(12) **BẢN MÔ TẢ SÁNG CHẾ THUỘC BẰNG ĐỘC QUYỀN SÁNG CHẾ**

(19) **Cộng hòa xã hội chủ nghĩa Việt Nam (VN)**
CỤC SỞ HỮU TRÍ TUỆ

(11) **1-0021744**

(51)[7] **C07C 237/42**, A01N 37/46, 43/40, A01P 7/04, C07C 255/57, 255/60, 271/28, C07D 213/81, 213/82, 277/20, 277/56

(13) **B**

(21) 1-2011-00622
(22) 30.06.2009
(86) PCT/JP2009/061914 30.06.2009
(87) WO2010/018714 18.02.2010
(30) 2008-208714 13.08.2008 JP
(45) 25.09.2019 378
(43) 25.09.2011 282
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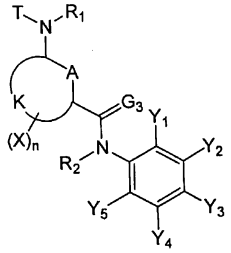
(54) DẪN XUẤT AMIT VÀ CHẤT DIỆT TRỪ LOÀI GÂY HẠI CHỨA DẪN XUẤT AMIT NÀY

(57) Sáng chế đề xuất dẫn xuất amit được thể hiện bằng Công thức (1) để làm dẫn xuất amit thể hiện tác dụng diệt trừ loài gây hại tốt hơn một cách đáng kể.

Trong Công thức (1), A là nguyên tử cacbon, nguyên tử nitơ, hoặc các nguyên tử tương tự, và K là nhóm nguyên tử phi kim cần thiết để tạo thành nhóm liên kết vòng có nguồn gốc từ benzen hoặc dị vòng. X là nguyên tử halogen hoặc các nguyên tử tương tự; n là số nguyên nằm trong khoảng từ 0 đến 4. R_1 và R_2 là các nguyên tử hydro, nhóm alkyl, hoặc nhóm tương tự. T là $-C(=G_1)-Q_1$ hoặc $-C(=G_1)-G_2Q_2$, và mỗi G_1 đến G_3 là các nguyên tử oxy hoặc các nguyên tử tương tự. Mỗi Q_1 và Q_2 là nguyên tử hyđro, nhóm alkyl, nhóm aryl, hoặc các nhóm tương tự. Mỗi Y_1 và Y_5 là nguyên tử halogen hoặc các nguyên tử tương tự, mỗi Y_2 và Y_4 là nguyên tử hyđro hoặc các nguyên tử tương tự, và Y_3 là nhóm C_2-C_5 haloalkyl.



Sáng chế cũng đề cập đến chất diệt trừ loài gây hại bao gồm dẫn xuất amit làm hoạt chất và phương pháp diệt trừ loài gây hại sử dụng chất diệt trừ loài gây hại này.

Lĩnh vực kỹ thuật được đề cập

Sáng chế đề cập đến chất diệt trừ loài gây hại, dẫn xuất amit chứa trong chất diệt trừ loài gây hại này, và phương pháp diệt trừ loài gây hại bằng cách sử dụng chất diệt trừ loài gây hại này.

Tình trạng kỹ thuật của sáng chế

Nhiều dẫn xuất amit khác nhau được mô tả trong Công bố đơn quốc tế số WO 2005/21488, Công bố đơn quốc tế số WO 2005/73165, Công bố đơn quốc tế số WO 2006/137376, và Công bố đơn quốc tế số WO 2006/137395.

Bản chất kỹ thuật của sáng chế

Các vấn đề cần giải quyết bởi sáng chế

Trong quá trình sản xuất, ví dụ, cây nông nghiệp và cây ăn quả, do các nguyên nhân như sự thiệt hại quy mô lớn xảy ra gần đây do các loài gây hại hoặc các loài tương tự và sự sinh sôi của các loài gây hại có khả năng kháng các hóa chất hiện có, nên có nhu cầu đối với chất diệt trừ loài gây hại mới trong nông nghiệp/làm vườn.

Mục đích của sáng chế là đề xuất dẫn xuất amit thể hiện tác dụng diệt loài gây hại chống lại nhiều loài gây hại khác nhau trong nông nghiệp/làm vườn, chất diệt trừ loài gây hại chứa dẫn xuất amit này để làm hoạt chất, và phương pháp diệt trừ loài gây hại.

Cách thức giải quyết vấn đề

Các tác giả sáng chế đã tiến hành nhiều nghiên cứu chuyên sâu để phát triển chất diệt trừ loài gây hại mới, và kết quả là, họ đã phát hiện thấy rằng dẫn xuất carboxamit thơm được thể hiện bằng Công thức (1) theo sáng chế là hợp chất mới chưa được biết trong tài liệu chuyên ngành, và hợp chất này cũng là chất diệt trừ loài gây hại, cụ thể là chất diệt trừ loài gây hại trong nông nghiệp/làm vườn, thể hiện hiệu quả đặc biệt cao, nhờ đó hoàn thành sáng chế này.

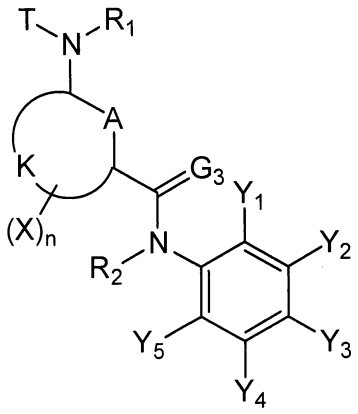
Ngoài ra, các tác giả sáng chế cũng đã phát hiện ra phương pháp điều chế mới và hợp chất trung gian hữu ích để điều chế hợp chất theo sáng chế. Kết quả là, các tác

giả sáng chế đã hoàn thành sáng chế này.

Tức là, sáng chế này là như sau.

<1> Dẫn xuất amit được thể hiện bằng Công thức (1):

1. Dẫn xuất amit được thể hiện bằng Công thức (1):



Công thức (1)

Trong đó, trong Công thức (1), A là nguyên tử cacbon, nguyên tử oxy, nguyên tử nitơ, nguyên tử nitơ được oxy hóa, hoặc nguyên tử lưu huỳnh. K là nhóm nguyên tử phi kim cần thiết để tạo thành nhóm liên kết vòng có nguồn gốc từ benzen, pyriđin, pyriđin-N-oxit, pyrimiđin, pyrazin, pyriđazin, triazin, pyrol, pyrazol, imiđazol, oxazol, isoxazol, thiazol, isothiazol, furan, thiophen, oxađiazol, thiođiazol, hoặc triazol, kết hợp với A và hai nguyên tử cacbon mà A liên kết với.

X là nguyên tử hyđro, nguyên tử halogen, nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_3-C_9 xycloalkyl, nhóm C_3-C_9 haloxycloalkyl, nhóm C_2-C_6 alkenyl, nhóm C_2-C_6 haloalkenyl, nhóm C_2-C_6 alkynyl, nhóm C_2-C_6 haloalkynyl, nhóm C_1-C_6 alkoxy, nhóm C_1-C_6 haloalkoxy, nhóm C_2-C_6 alkenyloxy, nhóm C_2-C_6 haloalkenyloxy, nhóm C_2-C_6 alkynyloxy, nhóm C_2-C_6 haloalkynyloxy, nhóm C_3-C_9 xycloalkoxy, nhóm C_3-C_9 haloxycloalkoxy, nhóm C_1-C_6 alkylthio, nhóm C_1-C_6 haloalkylthio, nhóm C_1-C_6 alkylsulfinyl, nhóm C_1-C_6 haloalkylsulfinyl, nhóm C_1-C_6 alkylsulfonyl, nhóm C_1-C_6 haloalkylsulfonyl, nhóm C_1-C_6 alkylsulfonyloxy, nhóm C_1-C_6 haloalkylsulfonyloxy, nhóm C_2-C_7 alkylcacbonyl, nhóm C_2-C_7 haloalkylcacbonyl, nhóm C_3-C_7 alkenylcacbonyl, nhóm C_3-C_7 haloalkenylcacbonyl, nhóm C_3-C_7 alkynylcacbonyl, nhóm C_3-C_7 haloalkynylcacbonyl, nhóm C_4-C_{10} xycloalkylcacbonyl, nhóm C_4-C_{10} haloxycloalkylcacbonyl, nhóm C_2-C_7 alkylcacbonyloxy, nhóm C_2-C_7 haloalkylcacbonyloxy, nhóm arylcacbonyloxy, nhóm C_2-C_7 alkoxycacbonyl, nhóm C_2-

C_7 haloalkoxycacbonyl, nhóm C_3-C_7 alkenyloxycacbonyl, nhóm C_3-C_7 haloalkenyloxycacbonyl, nhóm C_3-C_7 alkynyloxycacbonyl, nhóm C_3-C_7 haloalkynyloxycacbonyl, nhóm C_4-C_{10} xycloalkyloxycacbonyl, nhóm C_4-C_{10} haloxycloalkyloxycacbonyl, nhóm C_2-C_7 alkylcacbonylamino, nhóm C_2-C_7 haloalkylcacbonylamino, nhóm C_2-C_7 alkoxycacbonylamino, nhóm C_2-C_7 haloalkoxycacbonylamino, nhóm C_2-C_7 alkoxycacbonyloxy, nhóm C_2-C_7 haloalkoxycacbonyloxy, nhóm arylcacbonylamino, nhóm amino, nhóm carbamoyl, nhóm xyano, nhóm hyđroxy, nhóm pentaflosulfanyl, nhóm C_1-C_6 alkylamino, nhóm C_1-C_6 haloalkylamino, nhóm C_2-C_6 alkenylamino, nhóm C_2-C_6 haloalkenylamino, nhóm C_2-C_6 alkynylamino, nhóm C_2-C_6 haloalkynylamino, nhóm C_3-C_9 xycloalkylamino, nhóm C_3-C_9 haloxycloalkylamino, nhóm C_2-C_7 alkylaminocacbonyl, nhóm C_2-C_7 haloalkylaminocacbonyl, nhóm C_3-C_7 alkenylaminocacbonyl, nhóm C_3-C_7 haloalkenylaminocacbonyl, nhóm C_3-C_7 alkynylaminocacbonyl, nhóm C_3-C_7 haloalkynylaminocacbonyl, nhóm C_4-C_{10} xycloalkylaminocacbonyl, nhóm C_4-C_{10} haloxycloalkylaminocacbonyl, nhóm phenyl, hoặc nhóm dị vòng, và khi có nhiều X, mỗi X có thể giống nhau hoặc khác nhau.

n là số nguyên nằm trong khoảng từ 0 đến 4.

T là -C(=G_1)-Q_1 hoặc -C(=G1)-G_2Q_2.

Mỗi G_1 và G_2 độc lập là nguyên tử oxy hoặc nguyên tử lưu huỳnh,

Mỗi Q_1 và Q_2 là nguyên tử hyđro, nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_2-C_6 alkenyl, nhóm C_2-C_6 haloalkenyl, nhóm C_2-C_6 alkynyl, nhóm C_2-C_6 haloalkynyl, nhóm C_3-C_9 xycloalkyl, nhóm C_3-C_9 haloxycloalkyl, nhóm benzyl, nhóm phenyl mà có thể có phần tử thế, nhóm naphtyl, hoặc nhóm dị vòng mà có thể có phần tử thế.

Mỗi Y_1 và Y_5 độc lập là nguyên tử halogen, nhóm C_1-C_6 haloalkoxy, hoặc nhóm C_1-C_3 haloalkyl, mỗi Y2 và Y4 độc lập là nguyên tử hyđro, nguyên tử halogen, hoặc nhóm C_1-C_4 alkyl, Y_3 là nhóm C_2-C_5 haloalkyl.

Trong đó trong Q_1 và Q_2, phần tử thế của nhóm phenyl mà có thể có phần tử thế và nhóm dị vòng mà có thể có phần tử thế là một hoặc nhiều phần tử thế được chọn từ nhóm bao gồm nguyên tử halogen, nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_3-C_9 xycloalkyl, nhóm C_3-C_9 haloxycloalkyl, nhóm C_2-C_6 alkenyl, nhóm C_2-C_6

haloalkenyl, nhóm C_2-C_6 alkynyl, nhóm C_2-C_6 haloalkynyl, nhóm C_1-C_6 alkoxy, nhóm C_1-C_6 haloalkoxy, nhóm C_2-C_6 alkenyloxy, nhóm C_2-C_6 haloalkenyloxy, nhóm C_2-C_6 alkynyloxy, nhóm C_2-C_6 haloalkynyloxy, nhóm C_3-C_9 xycloalkoxy, nhóm C_3-C_9 haloxycloalkoxy, nhóm C_1-C_6 alkylthio, nhóm C_1-C_6 haloalkylthio, nhóm C_1-C_6 alkylsulfinyl, nhóm C_1-C_6 haloalkylsulfinyl, nhóm C_1-C_6 alkylsulfonyl, nhóm C_1-C_6 haloalkylsulfonyl, nhóm C_2-C_7 alkylcacbonyl, nhóm C_2-C_7 haloalkylcacbonyl, nhóm C_3-C_7 alkenylcacbonyl, nhóm C_3-C_7 haloalkenylcacbonyl, nhóm C_3-C_7 alkynylcacbonyl, nhóm C_3-C_7 haloalkynylcacbonyl, nhóm C_4-C_{10} xycloalkylcacbonyl, nhóm C_4-C_{10} haloxycloalkylcacbonyl, nhóm C_2-C_7 alkylcacbonyloxy, nhóm C_2-C_7 haloalkylcacbonyloxy, nhóm C_1-C_6 alkylsulfonyloxy, nhóm C_1-C_6 haloalkylsulfonyloxy, nhóm C_2-C_7 alkoxycacbonyl, nhóm C_2-C_7 haloalkoxycacbonyl, nhóm C_3-C_7 alkenyloxycacbonyl, nhóm C_3-C_7 haloalkenyloxycacbonyl, nhóm C_3-C_7 alkynyloxycacbonyl, nhóm C_3-C_7 haloalkynyloxycacbonyl, nhóm C_4-C_{10} xycloalkyloxycacbonyl, nhóm C_4-C_{10} haloxycloalkyloxycacbonyl, nhóm C_2-C_7 alkylcacbonylamino, nhóm C_2-C_7 haloalkylcacbonylamino, nhóm C_2-C_7 alkoxycacbonylamino, nhóm C_2-C_7 haloalkoxycacbonylamino, nhóm C_1-C_6 alkylamino, nhóm C_1-C_6 haloalkylamino, nhóm C_2-C_6 alkenylamino, nhóm C_2-C_6 haloalkenylamino, nhóm C_2-C_6 alkynylamino, nhóm C_2-C_6 haloalkynylamino, nhóm C_3-C_9 xycloalkylamino, nhóm C_3-C_9 haloxycloalkylamino, nhóm C_2-C_7 alkylaminocacbonyl, nhóm C_2-C_7 haloalkylaminocacbonyl, nhóm C_3-C_7 alkenylaminocacbonyl, nhóm C_3-C_7 haloalkenylaminocacbonyl, nhóm C_3-C_7 alkynylaminocacbonyl, nhóm C_3-C_7 haloalkynylaminocacbonyl, nhóm C_4-C_{10} xycloalkylaminocacbonyl, nhóm C_4-C_{10} haloxycloalkylaminocacbonyl, nhóm amino, nhóm carbamoyl, nhóm xyano, nhóm nitro, nhóm hyđroxy, nhóm pentaflosulfanyl, nhóm phenyl mà có thể có phần tử thế, và nhóm dị vòng mà có thể có phần tử thế, và khi có hai hoặc nhiều phần tử thế, các phần tử thế này có thể giống nhau hoặc khác nhau.

Trong đó nhóm dị vòng trong X, Q_1, và Q_2 là nhóm pyriđyl, nhóm pyriđin-N-oxit, nhóm pyrimiđinyl, nhóm pyrazinyl, nhóm pyriđazyl, nhóm furyl, nhóm thienyl, nhóm oxazolyl, nhóm isoxazolyl, nhóm oxađiazolyl, nhóm thiazolyl, nhóm isothiazolyl, nhóm thiađiazolyl, nhóm pyrolyl, nhóm imiđazolyl, nhóm triazolyl, nhóm pyrazolyl, hoặc nhóm tetrazolyl.

G_3 là nguyên tử oxy hoặc nguyên tử lưu huỳnh.

Mỗi R_1 và R_2 độc lập là nguyên tử hyđro, nguyên tử oxy, nguyên tử halogen, nhóm hyđroxy, nhóm nitro, nhóm nitroso, nhóm trimetylsilyl, nhóm t-butylđimetylsilyl, nhóm xyano, nhóm amino, nhóm C_1-C_6 alkyl mà có thể có phần tử thế, nhóm C_1-C_6 haloalkyl mà có thể có phần tử thế, nhóm C_2-C_7 alkylcacbonyl, nhóm C_2-C_7 haloalkylcacbonyl, nhóm C_2-C_6 alkenyl mà có thể có phần tử thế, nhóm C_2-C_6 haloalkenyl mà có thể có phần tử thế, nhóm C_2-C_6 alkynyl mà có thể có phần tử thế, nhóm C_2-C_6 haloalkynyl mà có thể có phần tử thế, nhóm C_2-C_7 alkoxycacbonyl, nhóm C_2-C_7 haloalkoxycacbonyl, nhóm C_3-C_7 alkenyloxycacbonyl, nhóm C_3-C_7 haloalkenyloxycacbonyl, nhóm C_3-C_7 alkynyloxycacbonyl, nhóm C_3-C_7 haloalkynyloxycacbonyl, nhóm phenoxycacbonyl, nhóm C_2-C_7 alkylaminocacbonyl, nhóm C_2-C_7 haloalkylaminocacbonyl, nhóm C_2-C_7 alkylcacbonyloxy, nhóm C_2-C_7 haloalkylcacbonyloxy, nhóm benzoyl, nhóm C_1-C_6 alkoxy, nhóm C_1-C_6 haloalkoxy, nhóm C_1-C_6 alkylthio, nhóm C_1-C_6 haloalkylthio, nhóm C_1-C_6 alkylsulfinyl, nhóm C_1-C_6 haloalkylsulfinyl, nhóm C_1-C_6 alkylsulfonyl, nhóm C_1-C_6 haloalkylsulfonyl, nhóm benzensulfonyl, nhóm benzylsulfonyl, nhóm benzyl, hoặc -C(=O)C(=O)R_7, trong đó R_7 là nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_1-C_6 alkoxy, hoặc nhóm C_1-C_6 haloalkoxy.

Tuy nhiên, dẫn xuất amit được thể hiện bằng Công thức (1) không phải là một trong số các trường hợp từ (A) đến (I) sau.

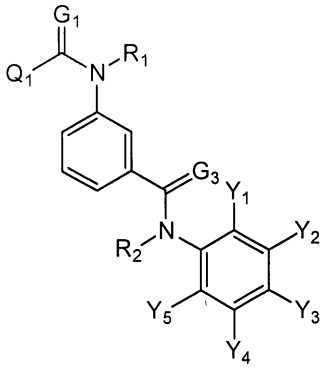
(A) Trường hợp trong đó, trong Công thức (1), K là nhóm nguyên tử phi kim cần thiết để tạo thành nhóm liên kết vòng có nguồn gốc từ pyriđin kết hợp với A và hai nguyên tử cacbon mà A liên kết với, Y_1 là nguyên tử halogen, và Y_5 là nhóm C_1-C_6 haloalkoxy, và T là -C(=G_1)-Q_1.

(B) Trường hợp trong đó, trong Công thức (1), K là nhóm nguyên tử phi kim cần thiết để tạo thành nhóm liên kết vòng có nguồn gốc từ pyrol, pyrazol, imiđazol, oxazol, isoxazol, thiazol, isothiazol, furan, thiophen, oxađiazol, thiođiazol, hoặc triazol, kết hợp với A và hai nguyên tử cacbon mà A liên kết với, mỗi Y_1 và Y_5 độc lập là nguyên tử halogen, và T là -C(=G_1)-G_2Q_2.

(C) Trường hợp trong đó, trong Công thức (1), K là nhóm nguyên tử phi kim cần thiết để tạo thành nhóm liên kết vòng có nguồn gốc từ pyrol, pyrazol, imiđazol,

oxazol, isoxazol, thiazol, isothiazol, furan, thiophen, oxađiazol, thiođiazol, hoặc triazol, kết hợp với A và hai nguyên tử cacbon mà A liên kết với, T là $-C(=G_1)-Q_1$, Y_1 là nguyên tử halogen, và Y_5 là nguyên tử halogen hoặc nhóm haloalkoxy.

(D) Trường hợp trong đó, dẫn xuất amit là hợp chất amit được thể hiện bằng Công thức (2):

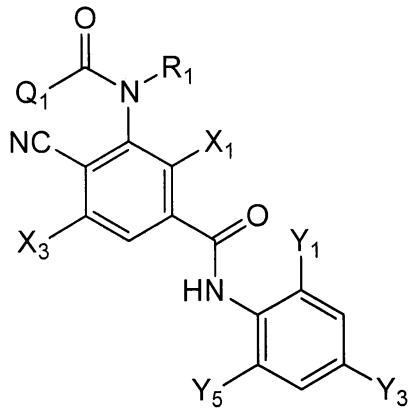


Công thức (2)

Trong đó trong Công thức (2), Y_2 đến Y_4, Q_1, G_1, G_3, R_1, và R_2 lần lượt có các định nghĩa giống như Y_2 đến Y_4, Q_1, G_1, G_3, R_1, và R_2 trong Công thức (1), Y_1 là nguyên tử halogen, và Y_5 là nhóm C_1-C_2 haloalkoxy.

(E) Trường hợp trong đó, trong Công thức (2), mỗi Y_1 và Y_5 độc lập là nguyên tử halogen, tất cả các X là các nguyên tử hyđro, và Y_3 là nhóm C_2-C_3 haloalkyl.

(F) Trường hợp trong đó, dẫn xuất amit là dẫn xuất amit được thể hiện bằng Công thức (3)

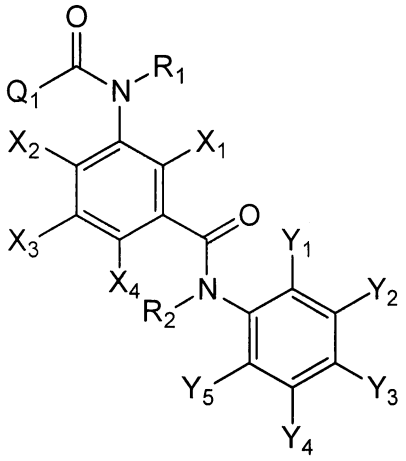


Công thức (3)

Trong đó, trong Công thức (3), mỗi Y_1 và Y_5 độc lập là nguyên tử halogen, mỗi X_1 và X_3 độc lập là nguyên tử hyđro hoặc nguyên tử flo, Q_1 có định nghĩa giống như Q_1 trong Công thức (1), R_1 là nguyên tử hyđro hoặc nhóm metyl, và Y_3 là nhóm

C_3-C_4 perfloalkyl.

(G) Trường hợp trong đó, dẫn xuất amit là dẫn xuất amit được thể hiện bằng Công thức (4):

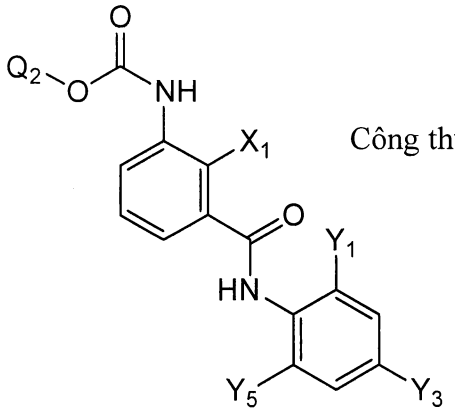


Công thức (4)

Trong đó, trong Công thức (4), X_1 là nguyên tử flo, X_2, X_3, và X_4 là các nguyên tử hyđro, Y_1 và Y_5 là khác nhau và là nguyên tử brom hoặc nhóm triflometoxy, Y_2 và Y_4 là các nguyên tử hyđro, Y_3 là nhóm heptafloisopropyl, Q_1 là nhóm phenyl hoặc nhóm 2-clopyriđin-3-yl, và R_1 và R_2 là khác nhau, và mỗi gốc này là nguyên tử hyđro hoặc nhóm metyl.

Theo cách khác, X_1 là nguyên tử flo, X_2, X_3, và X_4 là các nguyên tử hyđro, Y_1 và Y_5 là các nguyên tử brom, Y_2 và Y_4 là các nguyên tử hyđro, Y_3 là nhóm pentafloetyl, Q_1 là nhóm 2-flophenyl, và mỗi R_1 và R_2 độc lập là nguyên tử hyđro hoặc nhóm metyl.

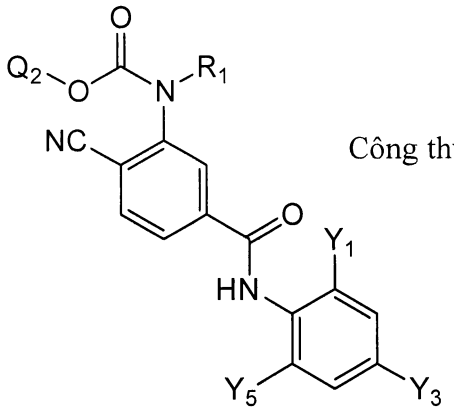
(H) Trường hợp trong đó, dẫn xuất amit là dẫn xuất amit được thể hiện bằng Công thức (5):



Công thức (5)

Trong đó, trong Công thức (5), mỗi Y_1 và Y_5 độc lập là nguyên tử halogen, X_1 là nguyên tử hyđro hoặc nguyên tử flo, Q_2 là nhóm 2,2,2-tricloetyl hoặc nhóm 3,3,3-triflo-n-propyl, và Y_3 là nhóm C_2-C_4 haloalkyl.

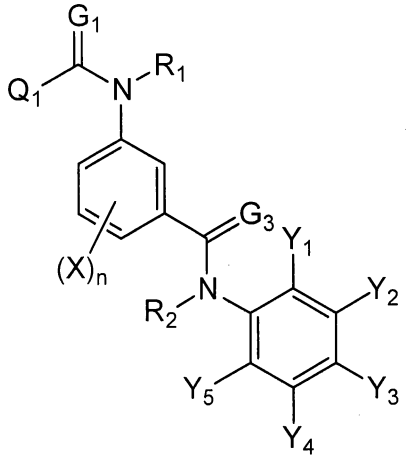
(I) Trường hợp trong đó dẫn xuất amit là dẫn xuất amit được thể hiện bằng Công thức (6):



Công thức (6)

Trong đó, trong Công thức (6), mỗi Y_1 và Y_5 độc lập là nguyên tử halogen, Q_2 có định nghĩa giống như Q_2 trong Công thức (1), R_1 là nguyên tử hyđro hoặc nhóm metyl, và Y_3 là nhóm C_3-C_4 haloalkyl.

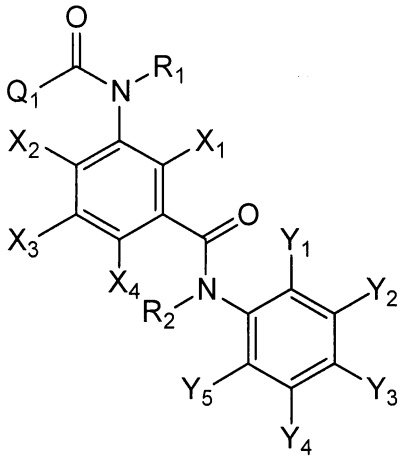
<2> Hợp chất amit theo mục <1>, được thể hiện bằng Công thức (7):



Công thức (7)

Trong đó, trong Công thức (7), n bằng 4, và X, Y_1 đến Y_5, Q_1, G_1, G_3, R_1, và R_2 lần lượt có các định nghĩa giống như X, Y_1 đến Y_5, Q_1, G_1, G_3, R_1, và R_2 trong Công thức (1).

<3> Dẫn xuất amit theo mục <2>, được thể hiện bằng Công thức (8):



Công thức (8)

Trong đó, trong Công thức (8), Q_1 là nhóm phenyl mà có thể có phần tử thế hoặc nhóm pyriđyl mà có thể có phần tử thế.

Mỗi X_1, X_2, X_3, và X_4 độc lập là nguyên tử hyđro hoặc nguyên tử flo.

Mỗi R_1 và R_2 độc lập là nguyên tử hyđro hoặc nhóm C_1-C_3 alkyl.

Mỗi Y_1 và Y_5 độc lập là nguyên tử halogen, nhóm C_1-C_3 haloalkoxy, hoặc nhóm C_1-C_3 haloalkyl, mỗi Y_2 và Y_4 độc lập là nguyên tử hyđro, nguyên tử halogen, hoặc nhóm C_1-C_4 alkyl, và Y_3 là nhóm C_3-C_4 haloalkyl.

Trong trường hợp trong đó Y_1 và Y_5 đồng thời là nguyên tử halogen, ít nhất một trong số X_1 và X_2 là nguyên tử flo. Ngoài ra, trong trường hợp trong đó Y_1 hoặc Y_5 là nhóm C_1-C_3 haloalkoxy, X_2 là nguyên tử flo.

<4> Dẫn xuất amit theo mục <3>, trong đó trong Công thức (8), Y_3 là nhóm C_3-C_4 perfloalkyl.

<5> Dẫn xuất amit theo mục <4>, trong đó trong Công thức (8), mỗi Y_1 và Y_5 độc lập là nguyên tử clo, nguyên tử brom, nguyên tử iot, nhóm triflometoxy, nhóm triflometyl, hoặc nhóm pentafloetyl, và Y_2 và Y_4 là các nguyên tử hyđro.

<6> Dẫn xuất amit theo mục <5>, trong đó trong Công thức (8), mỗi X_1 và X_2 độc lập là nguyên tử hyđro hoặc nguyên tử flo, và X_3 và X_4 là các nguyên tử hyđro.

<7> Dẫn xuất amit theo mục <6>, trong đó trong Công thức (8), mỗi R_1 và R_2 độc lập là nguyên tử hyđro hoặc nhóm metyl.

<8> Dẫn xuất amit theo mục <7>, trong đó trong Công thức (8), Q_1 là nhóm

phenyl hoặc nhóm pyriđyl mà có thể có phần tử thế được chọn từ nhóm bao gồm nguyên tử halogen, nhóm C1 haloalkyl, nhóm nitro, và nhóm xyano.

<9> Dẫn xuất amit theo mục < 8>, trong đó trong Công thức (8), số lượng phần tử thế trong Q_1 là 1 hoặc 2.

<10> Dẫn xuất amit theo mục <9>, trong đó trong Công thức (8), Q_1 là nhóm phenyl, nhóm 2-flophenyl, nhóm 3-flophenyl, nhóm 4-flophenyl, nhóm 2-clophenyl, nhóm 3-clophenyl, nhóm 4-clophenyl, nhóm 2-bromphenyl, nhóm 3-bromphenyl, nhóm 4-bromphenyl, nhóm 2-iođophenyl, nhóm 3-iođophenyl, nhóm 4-iođophenyl, nhóm (2-trioflometyl)phenyl, nhóm (3-trioflometyl)phenyl, nhóm (4-trioflometyl)phenyl, nhóm 2-nitrophenyl, nhóm 3-nitrophenyl, nhóm 4-nitrophenyl, nhóm 2-xyanophenyl, nhóm 3-xyanophenyl, nhóm 4-xyanophenyl, nhóm 2,6-điflophenyl, nhóm 3,4-điclophenyl, nhóm 2,4-điclophenyl, nhóm 2-clo-4-flophenyl, nhóm 2-clo-4,5-điflophenyl, nhóm 4-brom-2-clophenyl, nhóm 2-brom-4-clophenyl, nhóm 2-brom-4-flophenyl, nhóm 2-clo-4-nitorophenyl, nhóm 3,5-đixyanophenyl, nhóm 4-xyano-2-flophenyl, nhóm 2-clo-4-xyanophenyl, nhóm pyriđin-3-yl, nhóm 2-flopyriđin-3-yl, nhóm 2-clopyriđin-3-yl, nhóm 2-brompyriđin-3-yl, nhóm 2-iođopyriđin-3-yl, nhóm 2-(triflometyl)pyriđin-3-yl, nhóm 2-nitoropyriđin-3-yl, nhóm 2-xyanopyriđin-3-yl, nhóm 6-flopyriđin-3-yl, nhóm 6-clopyriđin-3-yl, nhóm 6-brompyriđin-3-yl, nhóm 6-iođopyriđin-3-yl, nhóm 6-(triflometyl)pyriđin-3-yl, nhóm 6-nitoropyriđin-3-yl, nhóm 6-xyanopyriđin-3-yl, nhóm 5-flopyriđin-3-yl, nhóm 5-clopyriđin-3-yl, nhóm 5-brompyriđin-3-yl, nhóm 5-iođopyriđin-3-yl, nhóm 5-(triflometyl)pyriđin-3-yl, nhóm 5-nitoropyriđin-3-yl, nhóm 5-xyanopyriđin-3-yl, nhóm 4-flopyriđin-3-yl, nhóm 4-clopyriđin-3-yl, nhóm 4-brompyriđin-3-yl, nhóm 4-iođopyriđin-3-yl, nhóm 4-(triflometyl)pyriđin-3-yl, nhóm 4-nitoropyriđin-3-yl, nhóm 4-xyanopyriđin-3-yl, nhóm 2,6-điclopyriđin-3-yl, nhóm pyriđin-3-yl N-oxit, nhóm pyriđin-4-yl, nhóm 2-clopyriđin-4-yl, nhóm 3-brompyriđin-4-yl, nhóm 3,5-điclopyriđin-4-yl, nhóm 3-(triflometyl)pyriđin4-yl, nhóm 2,6-đixyanopyriđin-4-yl, nhóm pyriđin-4-yl N-oxit, nhóm pyriđin-2-yl, nhóm 3-clopyriđin-2-yl, nhóm 4-brompyriđin-2-yl, nhóm 5-iođopyriđin-2-yl, nhóm 6-clopyriđin-2-yl, hoặc nhóm 4-xyanopyriđin-2-yl,

<11> Dẫn xuất amit theo mục <10>, trong đó hợp chất được thể hiện bằng Công thức (8) là 3-benzamiđo-N-(2-brom-6-clo-4-(perflopropan-2-yl)phenyl)-2-

flobenzamit, 2-clo-N-(3-(2,6-đibrom-4-(perflopropan-2-yl)phenylcarbamoyl)-2-flophenyl)nicotinamit, 3-(4-xyano-N-metylbenzamiđo)-N-(2,6-đibrom-4-(perflopropan-2-yl)phenyl)-2-flobenzamit, 2-clo-N-(3-(2,6-đibrom-4-(perflopropan-2-yl)phenylcarbamoyl)-2-flophenyl)-N-metylnicotinamit, 3-benzamiđo-N-(2,6-điiođo-4-(perflopropan-2-yl)phenyl)-2-flobenzamit, 3-benzamiđo-N-(2,6-đibrom-4-(perflopropan-2-yl)phenyl)-2-flobenzamit, N-(2,6-đibrom-4-(perflopropan-2-yl)phenyl)-2-flo-3-(N-metylbenzamiđo)benzamit, 6-clo-N-(3-(2,6-đibrom-4-(perflopropan-2-yl)phenylcarbamoyl)-2-flophenyl)-N-metylnicotinamit, 3-(3-xyano-N-metylbenzamiđo)-N-(2,6-đibrom-4-(perflopropan-2-yl)phenyl)-2-flobenzamit, N-(2,6-điclo-4-(perflopropan-2-yl)phenyl)-2-flo-3-(N-metylbenzamiđo)benzamit, 3-(4-xyano-N-metylbenzamiđo)-N-(2,6-điclo-4-(perflopropan-2-yl)phenyl)-2-flobenzamit, 2-clo-N-(3-(2,6-điclo-4-(perflopropan-2-yl)phenylcarbamoyl)-2-flophenyl)-N-metylnicotinamit, N-(2,6-điiođo-4-(perflopropan-2-yl)phenyl)-2-flo-3-(N-metylbenzamiđo)benzamit, 3-(4-xyano-N-metylbenzamiđo)-N-(2,6-điiođo-4-(perflopropan-2-yl)phenyl)-2-flobenzamit, 3-benzamiđo-N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)-2-flobenzamit, N-(2,6-điiođo-4-(perflopropan-2-yl)phenyl)-2-flo-3-(2-flobenzamiđo)benzamit, N-(2,6-điiođo-4-(perflopropan-2-yl)phenyl)-2-flo-3-(4-flobenzamiđo)benzamit, 3-(2,6-điflobenzamiđo)-N-(2,6-điiođo-4-(perflopropan-2-yl)phenyl)-2-flobenzamit, N-(2-brom-6-iođo-4-(perflopropan-2-yl)phenyl)-2-flo-3-(N-metylbenzamiđo)benzamit, N-(3-(2-brom-6-iođo-4-(perflopropan-2-yl)phenylcarbamoyl)-2-flophenyl)-2-clo-N-metylnicotinamit,

3-(4-xyanobenzamiđo)-N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)-2-flobenzamit, 3-(3-xyanobenzamiđo)-N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)-2-flobenzamit, N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)-2-flo-3-(N-metylbenzamiđo)benzamit, 3-(4-xyano-N-metylbenzamiđo)-N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)-2-flobenzamit, 3-(3-xyano-N-metylbenzamiđo)-N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)-2-flobenzamit, 6-clo-N-(3-(2,6-đibrom-4-(perflobutan-2-yl)phenylcarbamoyl)-2-flophenyl)-N-metylnicotinamit, 3-benzamiđo-N-(2,6-điiođo-4-(perflobutan-2-yl)phenyl)-2-flobenzamit, 3-(3-xyanobenzamiđo)-N-(2,6-điiođo-4-(perflobutan-2-yl)phenyl)-2-flobenzamit, 3-(4-xyanobenzamiđo)-N-(2,6-điiođo-4-(perflobutan-2-yl)phenyl)-2-flobenzamit, N-(2,6-điiođo-4-(perflobutan-2-yl)phenyl)-2-flo-3-(N-metylbenzamiđo)benzamit, 3-(3-xyano-N-metylbenzamiđo)-N-

(2,6-điiođo-4-(perflobutan-2-yl)phenyl)-2-flobenzamit, 3-(4-xyano-N-metylbenzamiđo)-N-(2,6-điiođo-4-(perflobutan-2-yl)phenyl)-2-flobenzamit, 3-benzamiđo-N-(2,6-điiođo-4-(perflobutan-2-yl)phenyl)benzamit, 2-clo-N-(3-(2,6-điiođo-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)nicotinamit, 6-clo-N-(3-(2,6-điiođo-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)nicotinamit, 3-xyano-N-(3-(2,6-điiođo-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)benzamit, 3-(4-xyanobenzamiđo)-N-(2,6-điiođo-4-(perflobutan-2-yl)phenyl)benzamit, N-(3-(2,6-điiođo-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)-2-flobenzamit, N-(2,6-điiođo-4-(perflobutan-2-yl)phenyl)-3-(3-flobenzamiđo)benzamit, N-(2,6-điiođo-4-(perflobutan-2-yl)phenyl)-3-(4-flobenzamiđo)benzamit,

N-(3-(2,6-điiođo-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)-2,6-điflobenzamit, N-(3-(2,6-điiođo-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)-N-metylbenzamit, 2-clo-N-(3-(2,6-điiođo-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)-N-metylnicotinamit, 6-clo-N-(3-(2,6-điiođo-4-(perflobutan-2-yl)phenylcarbamoyl) phenyl)-N-metylnicotinamit, 3-xyano-N-(3-(2,6-điiođo-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)-N-metylbenzamit, 4-xyano-N-(3-(2,6-điiođo-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)-N-metylbenzamit, N-(3-(2,6-điiođo-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)-2-flo-N-metylbenzamit, N-(3-(2,6-điiođo-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)-3-flo-N-metylbenzamit, N-(3-(2,6-điiođo-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)-4-flo-N-metylbenzamit, N-(3-(2,6-điiođo-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)-2,6-điflo-N-metylbenzamit, 2-clo-N-(3-(2,6-điiođo-4-(perflobutan-2-yl)phenylcarbamoyl)-2-flophenyl)nicotinamit, 6-clo-N-(3-(2,6-điiođo-4-(perflobutan-2-yl)phenylcarbamoyl)-2-flophenyl)nicotinamit, N-(2,6-điiođo-4-(perflobutan-2-yl)phenyl)-2-flo-3-(2-flobenzamiđo)benzamit, N-(2,6-điiođo-4-(perflobutan-2-yl)phenyl)-2-flo-3-(3-flobenzamiđo)benzamit, N-(2,6-điiođo-4-(perflobutan-2-yl)phenyl)-2-flo-3-(4-flobenzamiđo)benzamit, 3-(2,6-điflobenzamiđo)-N-(2,6-điiođo-4-(perflobutan-2-yl)phenyl)-2-flobenzamit, 3-benzamiđo-N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)benzamit, 6-clo-N-(3-(2,6-đibrom-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)nicotinamit, N-(3-(2,6-đibrom-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)-2-flobenzamit, 2-clo-N-(3-(2,6-đibrom-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)nicotinamit,

N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)-3-(3-flobenzamiđo)benzamit, N-

(2,6-đibrom-4-(perflobutan-2-yl)phenyl)-3-(4-flobenzamiđo)benzamit, N-(3-(2,6-đibrom-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)-2,6-điflobenzamit, 3-xyano-N-(3-(2,6-đibrom-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)benzamit, 3-(4-xyanobenzamiđo)-N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)benzamit, 2-clo-N-(3-(2,6-điiođo-4-(perflobutan-2-yl)phenylcarbamoyl)-2-flophenyl)-N-metylnicotinamit, 6-clo-N-(3-(2,6-điiođo-4-(perflobutan-2-yl)phenylcarbamoyl)-2-flophenyl)-N-metylnicotinamit, N-(3-(2,6-điiođo-4-(perflobutan-2-yl)phenylcarbamoyl)-2-flophenyl)-2-flo-N-metylbenzamit, N-(2,6-điiođo-4-(perflobutan-2-yl)phenyl)-2-flo-3-(3-flo-N-metylbenzamiđo)benzamit, N-(2,6-điiođo-4-(perflobutan-2-yl)phenyl)-2-flo-3-(4-flo-N-metylbenzamiđo)benzamit, N-(3-(2,6-điiođo-4-(perflobutan-2-yl)phenylcarbamoyl)-2-flophenyl)-2,6-điflo-N-metylbenzamit, N-(3-(2,6-đibrom-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)-N-metylbenzamit, 2-clo-N-(3-(2,6-đibrom-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)-N-metylnicotinamit, 6-clo-N-(3-(2,6-đibrom-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)-N-metylnicotinamit, 3-xyano-N-(3-(2,6-đibrom-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)-N-metylbenzamit, 4-xyano-N-(3-(2,6-đibrom-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)-N-metylbenzamit, N-(3-(2,6-đibrom-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)-2-flo-N-metylbenzamit, N-(3-(2,6-đibrom-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)-3-flo-N-metylbenzamit, N-(3-(2,6-đibrom-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)-4-flo-N-metylbenzamit, N-(3-(2,6-đibrom-4-(perflobutan-2-yl)phenylcarbamoyl)phenyl)-2,6-điflo-N-metylbenzamit,

2-clo-N-(3-(2,6-đibrom-4-(perflobutan-2-yl)phenylcarbamoyl)-2-flophenyl)nicotinamit, 6-clo-N-(3-(2,6-đibrom-4-(perflobutan-2-yl)phenylcarbamoyl)-2-flophenyl)nicotinamit, N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)-2-flo-3-(2-flobenzamiđo)benzamit, N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)-2-flo-3-(3-flobenzamiđo)benzamit, N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)-2-flo-3-(4-flobenzamiđo)benzamit, N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)-3-(2,6-điflobenzamiđo)-2-flobenzamit, 2-clo-N-(3-(2,6-điiođo-4-(perflopropan-2-yl)phenylcarbamoyl)-2-flophenyl)nicotinamit, 6-clo-N-(3-(2,6-điiođo-4-(perflopropan-2-yl)phenylcarbamoyl)-2-flophenyl)nicotinamit, 3-(3-xyanobenzamiđo)-N-(2,6-điiođo-4-(perflopropan-2-yl)phenyl)-2-flobenzamit, 3-(4-xyanobenzamiđo)-N-(2,6-điiođo-4-(perflopropan-2-yl)phenyl)-2-flobenzamit, N-(2,6-điiođo-4-(perflopropan-2-

yl)phenyl)-2-flo-3-(3-flobenzamiđo)benzamit, 2-clo-N-(3-(2,6-đibrom-4-(perflobutan-2-yl)phenylcarbamoyl)-2-flophenyl)-N-metylnicotinamit, N-(3-(2,6-đibrom-4-(perflobutan-2-yl)phenylcarbamoyl)-2-flophenyl)-2-flo-N-metylbenzamit, N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)-2-flo-3-(3-flo-N-metylbenzamiđo)benzamit, N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)-2-flo-3-(4-flo-N-metylbenzamiđo)benzamit,

N-(3-(2,6-đibrom-4-(perflobutan-2-yl)phenylcarbamoyl)-2-flophenyl)-2,6-điflo-N-metylbenzamit, 3-(3-xyano-N-metylbenzamiđo)-N-(2,6-điiođo-4-(perflopropan-2-yl)phenyl)-2-flobenzamit, N-(3-(2,6-điiođo-4-(perflopropan-2-yl)phenylcarbamoyl)-2-flophenyl)-2-flo-N-metylbenzamit, N-(2,6-điiođo-4-(perflopropan-2-yl)phenyl)-2-flo-3-(3-flo-N-metylbenzamiđo)benzamit, 6-clo-N-(3-(2,6-điiođo-4-(perflopropan-2-yl)phenylcarbamoyl)-2-flophenyl)-N-metylnicotinamit,

N-(2,6-điiođo-4-(perflopropan-2-yl)phenyl)-2-flo-3-(4-flo-N-metylbenzamiđo)benzamit, N-(3-(2,6-điiođo-4-(perflopropan-2-yl)phenylcarbamoyl)-2-flophenyl)-2,6-điflo-N-metylbenzamit, N-(2,6-đibrom-4-(perflopropan-2-yl)phenyl)-2-flo-3-(2-flobenzamiđo)benzamit, N-(2,6-đibrom-4-(perflopropan-2-yl)phenyl)-2-flo-3-(3-flobenzamiđo)benzamit, N-(2,6-đibrom-4-(perflopropan-2-yl)phenyl)-2-flo-3-(4-flobenzamiđo)benzamit, N-(2,6-đibrom-4-(perflopropan-2-yl)phenyl)-3-(2,6-điflobenzamiđo)-2-flobenzamit, 6-clo-N-(3-(2,6-đibrom-4-(perflopropan-2-yl)phenylcarbamoyl)-2-flophenyl)nicotinamit, 3-(3-xyanobenzamiđo)-N-(2,6-đibrom-4-(perflopropan-2-yl)phenyl)-2-flobenzamit, 3-(4-xyanobenzamiđo)-N-(2,6-đibrom-4-(perflopropan-2-yl)phenyl)-2-flobenzamit, 2-clo-N-(3-(2,6-điiođo-4-(perflopropan-2-yl)phenylcarbamoyl)-2-flophenyl)-N-metylnicotinamit, N-(3-(2,6-đibrom-4-(perflopropan-2-yl)phenylcarbamoyl)-2-flophenyl)-2-flo-N-metylbenzamit, N-(2,6-đibrom-4-(perflopropan-2-yl)phenyl)-2-flo-3-(3-flo-N-metylbenzamiđo)benzamit, N-(2,6-đibrom-4-(perflopropan-2-yl)phenyl)-2-flo-3-(4-flo-N-metylbenzamiđo)benzamit, N-(3-(2,6-đibrom-4-(perflopropan-2-yl)phenylcarbamoyl)-2-flophenyl)-2,6-điflo-N-metylbenzamit, 3-benzamiđo-N-(2-brom-4-(perflopropan-2-yl)-6-(triflometoxy)phenyl)-2-flobenzamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometoxy)phenylcarbamoyl)-2-flophenyl)-2-clonicotinamit, N-(2-brom-4-(perflopropan-2-yl)-6-(triflometoxy)phenyl)-3-(4-xyanobenzamiđo)-2-flobenzamit, 3-benzamiđo-N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)benzamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-2-clonicotinamit,

N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-N-metylbenzamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-2-clo-N-metylnicotinamit, 3-benzamiđo-N-(2-clo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)benzamit, 2-clo-N-(3-(2-clo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)nicotinamit, N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-(3-xyanobenzamiđo)benzamit,

N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-(4-xyanobenzamiđo)benzamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl) phenylcarbamoyl)phenyl)-3-xyano-N-metylbenzamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-4-xyano-N-metylbenzamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl) phenyl)-2-flo-N-metylnicotinamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl) phenylcarbamoyl)phenyl)-N-metyl-4-nitrobenzamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-6-clo-N-metylnicotinamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-6-xyano-N-metylnicotinamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl) phenylcarbamoyl)phenyl)-N-metyl-3-nitrobenzamit, N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-N-metyl-3-(N-metylbenzamiđo)benzamit, N-(3-((2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)(metyl)carbamoyl)phenyl)-2-clo-N-metylnicotinamit, 2-brom-N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl) phenylcarbamoyl)phenyl)nicotinamit, 2-clo-N-(3-(2-clo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-N-metylnicotinamit, N-(3-(2-clo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-4-xyano-N-metylbenzamit, 3-benzamiđo-N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-flobenzamit, N-(5-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)-2-flophenyl)-2-clonicotinamit, N-(3-((2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)(metyl)carbamoyl)phenyl)-2-clonicotinamit, N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-flo-3-(N-metylbenzamiđo)benzamit, N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-(4-xyano-N-metylbenzamiđo)-4-flobenzamit, N-(5-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)-2-flophenyl)-2-clo-N-metylnicotinamit, 3-benzamiđo-N-(4-(perflopropan-2-yl)-2,6-bis(triflometyl)phenyl)benzamit,

2-clo-N-(3-(4-(perflopropan-2-yl)-2,6-bis(triflometyl)phenylcarbamoyl) phenyl)nicotinamit, N-metyl-N-(3-(4-(perflopropan-2-yl)-2,6-bis(triflometyl) phenylcarbamoyl)phenyl)benzamit, 2-clo-N-metyl-N-(3-(4-(perflopropan-2-yl)-2,6-bis(triflometyl)phenylcarbamoyl)phenyl)nicotinamit, 3-benzamiđo-N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-N-metylbenzamit, N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-(3-xyanobenzamiđo)-N-metylbenzamit, N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-(4-xyanobenzamiđo)-N-metylbenzamit, N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-(3-xyano-N-metylbenzamiđo)-N-metylbenzamit, N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-(4-xyano-N-metylbenzamiđo)-N-metylbenzamit, 2-brom-N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-N-metylnicotinamit, 3-benzamiđo-N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-flobenzamit, 2-brom-N-(3-((2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)(metyl)carbamoyl)phenyl)nicotinamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)-2-flophenyl)-2-clonicotinamit, 3-benzamiđo-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)benzamit, 2-clo-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)nicotinamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-4-xyano-2-flo-N-metylbenzamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl) phenylcarbamoyl)phenyl)-4-xyano-2-flobenzamit, 3-xyano-N-(3-(4-(perflopropan-2-yl)-2,6-bis(triflometyl)phenylcarbamoyl)phenyl)benzamit, 3-(4-xyanobenzamiđo)-N-(4-(perflopropan-2-yl)-2,6-bis(triflometyl)phenyl)benzamit, 3-xyano-N-metyl-N-(3-(4-(perflopropan-2-yl)-2,6-bis(triflometyl)phenylcarbamoyl)phenyl)benzamit, 4-xyano-N-metyl-N-(3-(4-(perflopropan-2-yl)-2,6-bis(triflometyl)phenylcarbamoyl) phenyl)benzamit,

N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-(4-xyanobenzamiđo)-2-flobenzamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl) phenylcarbamoyl)-2-flophenyl)-2-clo-N-metylnicotinamit, N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-(4-xyano-N-metylbenzamiđo)-2-flobenzamit, N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-flo-3-(N-metylbenzamiđo)benzamit, N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-(3-xyano-N-metylbenzamiđo)-2-flobenzamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-

(triflometyl)phenylcarbamoyl)phenyl)-2-clo-4-xyano-N-metylbenzamit, 3-benzamiđo-N-metyl-N-(4-(perflopropan-2-yl)-2,6-bis(triflometyl)phenyl)benzamit,

2-clo-N-(3-(metyl(4-(perflopropan-2-yl)-2,6-bis(triflometyl)phenyl) carbamoyl)phenyl)nicotinamit, 3-(3-xyanobenzamiđo)-N-metyl-N-(4-(perflopropan-2-yl)-2,6-bis(triflometyl)phenyl)benzamit, 2-brom-N-(3-(metyl(4-(perflopropan-2-yl)-2,6-bis(triflometyl)phenyl)carbamoyl)phenyl)nicotinamit, 2-brom-N-(3-(4-(perflopropan-2-yl)-2,6-bis(triflometyl)phenylcarbamoyl)phenyl)nicotinamit, 2-brom-N-metyl-N-(3-(4-(perflopropan-2-yl)-2,6-bis(triflometyl)phenylcarbamoyl) phenyl)nicotinamit, 3-(4-xyanobenzamiđo)-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)benzamit, 3-xyano-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)benzamit, 2-brom-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)nicotinamit, 4-xyano-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-N-metylbenzamit, 2-clo-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-N-metylnicotinamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl) phenylcarbamoyl)phenyl)-2-iođonicotinamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)-2-flophenyl)-N-metylnicotinamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)-2-flophenyl)-6-flo-N-metylnicotinamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl) phenylcarbamoyl)-2-flophenyl)-4-xyano-2-flo-N-metylbenzamit,

N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)-2-flophenyl)-6-clo-N-metylnicotinamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)-2-flophenyl)-3,5-dixyano-N-metylbenzamit, 3-benzamiđo-2-flo-N-(4-(perflopropan-2-yl)-2,6-bis(triflometyl)phenyl)benzamit,

N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-3,5-dixyano-N-metylbenzamit, 3-benzamiđo-2-flo-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)benzamit, 2-clo-N-(2-flo-3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)nicotinamit, 3-benzamiđo-N-(2-brom-6-(perfloetyl)-4-(perflopropan-2-yl)phenyl)-2-flobenzamit, 3-benzamiđo-N-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)-2-flobenzamit, N-(3-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl)-2-flophenyl)-2-clonicotinamit, N-(2-brom-6-(perfloetyl)-4-(perflopropan-2-yl)phenyl)-3-(4-xyanobenzamiđo)-2-flobenzamit, N-(2-

brom-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)-2-flo-3-(N-metylbenzamiđo) benzamit, N-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)-3-(3-xyano-N-metylbenzamiđo)-2-flobenzamit, N-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl) phenyl)-3-(4-xyano-N-metylbenzamiđo)-2-flobenzamit, 2-flo-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-(N-metylbenzamiđo)benzamit, 3-(4-xyano-N-metylbenzamiđo)-2-flo-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl) phenyl)benzamit, N-(3-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl) phenyl)-N-metylbenzamit, 3-benzamiđo-N-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)benzamit, 3-benzamiđo-2-flo-N-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)benzamit, 2-flo-N-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl) phenyl)-3-(N-metylbenzamiđo)benzamit, 3-(4-xyano-N-metylbenzamiđo)-2-flo-N-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)benzamit,

3-(3-xyano-N-metylbenzamiđo)-2-flo-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)benzamit, 2-flo-N-(2-flo-3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-N-metylbenzamit, 2-flo-3-(3-flo-N-metylbenzamiđo)-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)benzamit, 2-flo-3-(4-flo-N-metylbenzamiđo)-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl) phenyl)benzamit, 2,6-điflo-N-(2-flo-3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-N-metylbenzamit, 6-clo-N-(2-flo-3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)nicotinamit, 3-(3-xyanobenzamiđo)-2-flo-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl) benzamit, 3-(4-xyanobenzamiđo)-2-flo-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)benzamit, 2-flo-3-(2-flobenzamiđo)-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)benzamit, 2-flo-3-(3-flobenzamiđo)-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)benzamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)-2-flophenyl)-2-flo-N-metylbenzamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)-2-flophenyl)-2,6-điflo-N-metylbenzamit, N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-flo-3-(3-flo-N-metylbenzamiđo)benzamit, N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-flo-3-(4-flo-N-metylbenzamiđo)benzamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)-2-flophenyl)-2-clonicotinamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)-2-flophenyl)-6-

clonicotinamit, N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-(3-xyanobenzamiđo)-2-flobenzamit, N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-flo-3-(2-flobenzamiđo)benzamit, N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-flo-3-(3-flobenzamiđo)benzamit, N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-flo-3-(4-flobenzamiđo)benzamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)-2-flophenyl)-N-metylnicotinamit, 2-clo-N-(2-flo-3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-N-metylnicotinamit,

2-flo-3-(4-flobenzamiđo)-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl) phenyl)benzamit, 3-(2,6-điflobenzamiđo)-2-flo-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)benzamit, 6-clo-N-(2-flo-3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-N-metylnicotinamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-6-clonicotinamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-2-flobenzamit, N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-(3-flobenzamiđo)benzamit, N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-(4-flobenzamiđo)benzamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-2,6-điflobenzamit, N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-(2,6-điflobenzamiđo)-2-flobenzamit, 3-flo-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)benzamit, 3-(4-flobenzamiđo)-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)benzamit, 2-flo-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)benzamit, 2,6-điflo-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)benzamit, 6-clo-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl) nicotinamit, 6-clo-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl) phenylcarbamoyl)phenyl)-N-metylnicotinamit, 3-xyano-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-N-metylbenzamit, 2-flo-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-N-metylbenzamit, 3-flo-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-N-metylbenzamit, 4-flo-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl) phenylcarbamoyl)phenyl)-N-metylbenzamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-2-flo-N-metylbenzamit,

N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-3-flo-N-metylbenzamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl) phenylcarbamoyl)phenyl)-4-flo-N-metylbenzamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-2,6-điflo-N-metylbenzamit, 2,4-điclo-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)benzamit, 3-(2,4-điclobenzamiđo)-2-flo-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl) phenyl)benzamit, 2,6-điflo-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl) phenylcarbamoyl)phenyl)-N-metylbenzamit, 3-(2-clo-4-flobenzamiđo)-2-flo-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)benzamit, N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-N-metylbenzamit, 3-benzamiđo-N-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)benzamit, 2-clo-N-(3-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)nicotinamit, 6-clo-N-(3-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl) phenyl)nicotinamit, 3-xyano-N-(3-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl) phenylcarbamoyl)phenyl)benzamit, 3-(4-xyanobenzamiđo)-N-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)benzamit, 2-flo-N-(3-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)benzamit, 3-flo-N-(3-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)benzamit, 3-(4-flobenzamiđo)-N-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)benzamit, 2,6-điflo-N-(3-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)benzamit, N-(3-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-N-metylbenzamit, 2-clo-N-(3-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-N-metylnicotinamit, 3-xyano-N-(3-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl) phenylcarbamoyl)phenyl)-N-metylbenzamit, 4-xyano-N-(3-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-N-metylbenzamit,

3-flo-N-(3-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl) phenyl)-N-metylbenzamit, 4-flo-N-(3-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl) phenylcarbamoyl)phenyl)-N-metylbenzamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)-2-flophenyl)-N-metylisonicotinamit, 3-((3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)-2-flophenyl)(metyl)carbamoyl) pyriđin 1-oxit, 4-((3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)-2-flophenyl)(metyl)carbamoyl)pyriđin 1-oxit, 2-clo-4-flo-N-(3-(2-iođo-4-

(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)benzamit, N-(3-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-2-clonicotinamit, N-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)-3-(3-xyanobenzamiđo)benzamit, N-(3-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-2-flobenzamit, N-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)-3-(3-flobenzamiđo)benzamit, N-(3-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl) phenylcarbamoyl)phenyl)-6-clonicotinamit, N-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)-3-(4-xyanobenzamiđo)benzamit, N-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)-3-(4-flobenzamiđo)benzamit, N-(3-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-2,6-điflobenzamit, N-(3-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-2-clo-N-metylnicotinamit, N-(3-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-3-xyano-N-metylbenzamit, N-(3-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl) phenylcarbamoyl)phenyl)-2-flo-N-metylbenzamit, N-(3-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-3-flo-N-metylbenzamit, N-(3-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-6-clo-N-metylnicotinamit, N-(3-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-4-xyano-N-metylbenzamit,

N-(3-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-4-flo-N-metylbenzamit, N-(3-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl) phenylcarbamoyl)phenyl)-2,6-điflo-N-metylbenzamit, 6-clo-N-(2-flo-3-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)nicotinamit, 3-(3-xyanobenzamiđo)-2-flo-N-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)benzamit, 3-(4-xyanobenzamiđo)-2-flo-N-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)benzamit, 2-flo-3-(2-flobenzamiđo)-N-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)benzamit, 2-flo-3-(3-flobenzamiđo)-N-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)benzamit, 2-flo-3-(4-flobenzamiđo)-N-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)benzamit, 3-(2,6-điflobenzamiđo)-2-flo-N-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)benzamit, N-(3-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl)-2-flophenyl)-6-clonicotinamit, N-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)-3-(3-xyanobenzamiđo)-2-flobenzamit, N-(2-brom-4-(perflobutan-2-yl)-6-

(triflometyl)phenyl)-3-(4-xyanobenzamiđo)-2-flobenzamit, N-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)-2-flo-3-(2-flobenzamiđo)benzamit, N-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)-2-flo-3-(3-flobenzamiđo)benzamit, N-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)-2-flo-3-(4-flobenzamiđo)benzamit, N-(2-brom-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)-3-(2,6-điflobenzamiđo)-2-flobenzamit, 2-clo-N-(2-flo-3-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-N-metylnicotinamit, 6-clo-N-(2-flo-3-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-N-metylnicotinamit, 3-(3-xyano-N-metylbenzamiđo)-2-flo-N-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)benzamit, 2-flo-N-(2-flo-3-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-N-metylbenzamit,

2-flo-3-(3-flo-N-metylbenzamiđo)-N-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)benzamit, 2-flo-3-(4-flo-N-metylbenzamiđo)-N-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)benzamit, 2-clo-4,5-điflo-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)benzamit, 2-clo-4-flo-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-N-metylbenzamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-2-clo-4-flobenzamit, 2-clo-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)benzamit, 3-(2-clobenzamiđo)-2-flo-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)benzamit, 2-clo-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-N-metylbenzamit, N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-2-clobenzamit, 2-clo-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-4-nitrobenzamit, N-(2-flo-3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)-N-metylnicotinamit, 3-((2-flo-3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)(metyl)carbamoyl)pyriđin 1-oxit, 4-brom-2-clo-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)benzamit, 2-brom-4-clo-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)phenyl)benzamit, 2-brom-4-flo-N-(3-(2-iođo-4-(perflopropan-2-yl)-

6-(triflometyl)phenylcarbamoyl)phenyl)benzamit, 2-flo-3-(3-flo-N-metylbenzamiđo)-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-N-metylbenzamit, N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-flo-N-metyl-3-(N-metylbenzamiđo) benzamit, hoặc N-(2-clo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-flo-3-(N-metylbenzamiđo)benzamit.

<12> Dẫn xuất amit theo mục <2>, trong đó trong Công thức (7), ít nhất một trong số X là nguyên tử clo, nguyên tử brom, nguyên tử iot, nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_3-C_9 xycloalkyl, nhóm C_3-C_9 haloxycloalkyl, nhóm C_2-C_6 alkenyl, nhóm C_2-C_6 haloalkenyl, nhóm C_2-C_6 alkynyl, nhóm C_2-C_6 haloalkynyl, nhóm C_1-C_6 alkoxy, nhóm C_1-C_6 haloalkoxy, nhóm C_2-C_6 alkenyloxy, nhóm C_2-C_6 haloalkenyloxy, nhóm C_2-C_6 alkynyloxy, nhóm C_2-C_6 haloalkynyloxy, nhóm C_3-C_9 xycloalkoxy, nhóm C_3-C_9 haloxycloalkoxy, nhóm C_1-C_6 alkylthio, nhóm C_1-C_6 haloalkylthio, nhóm C_1-C_6 alkylsulfinyl, nhóm C_1-C_6 haloalkylsulfinyl, nhóm C_1-C_6 alkylsulfonyl, nhóm C_1-C_6 haloalkylsulfonyl, nhóm C_1-C_6 alkylsulfonyloxy, nhóm C_1-C_6 haloalkylsulfonyloxy, nhóm C_2-C_7 alkylcacbonyl, nhóm C_2-C_7 haloalkylcacbonyl, nhóm C_3-C_7 alkenylcacbonyl, nhóm C_3-C_7 haloalkenylcacbonyl, nhóm C_3-C_7 alkynylcacbonyl, nhóm C_3-C_7 haloalkynylcacbonyl, nhóm C_4-C_{10} xycloalkylcacbonyl, nhóm C_4-C_{10} haloxycloalkylcacbonyl, nhóm C_2-C_7 alkylcacbonyloxy, nhóm C_2-C_7 haloalkylcacbonyloxy, nhóm arylcacbonyloxy, nhóm C_2-C_7 alkoxycacbonyl, nhóm C_2-C_7 haloalkoxycacbonyl, nhóm C_3-C_7 alkenyloxycacbonyl, nhóm C_3-C_7 haloalkenyloxycacbonyl, nhóm C_3-C_7 alkynyloxycacbonyl, nhóm C_3-C_7 haloalkynyloxycacbonyl, nhóm C_4-C_{10} xycloalkyloxycacbonyl, nhóm C_4-C_{10} haloxycloalkyloxycacbonyl, nhóm C_2-C_7 alkylcacbonylamino, nhóm C_2-C_7 haloalkylcacbonylamino, nhóm C_2-C_7 alkoxycacbonylamino, nhóm C_2-C_7 haloalkoxycacbonylamino, nhóm C_2-C_7 alkoxycacbonyloxy, nhóm C_2-C_7 haloalkoxycacbonyloxy, nhóm arylcacbonylamino, nhóm amino, nhóm carbamoyl, nhóm xyano, nhóm hyđroxy, nhóm pentaflosulfanyl, nhóm C_1-C_6 alkylamino, nhóm C_1-C_6 haloalkylamino, nhóm C_2-C_6 alkenylamino, nhóm C_2-C_6 haloalkenylamino, nhóm C_2-C_6 alkynylamino, nhóm C_2-C_6 haloalkynylamino, nhóm C_3-C_9 xycloalkylamino, nhóm C_3-C_9 haloxycloalkylamino, nhóm C_2-C_7 alkylaminocacbonyl, nhóm C_2-C_7 haloalkylaminocacbonyl, nhóm C_3-C_7 alkenylaminocacbonyl, nhóm C_3-C_7 haloalkenylaminocacbonyl, nhóm C_3-C_7 alkynylaminocacbonyl, nhóm C_3-C_7

haloalkynylaminocacbonyl, nhóm C_4-C_{10} xycloalkylaminocacbonyl, nhóm C_4-C_{10} haloxycloalkylaminocacbonyl, nhóm phenyl, hoặc nhóm dị vòng, và khi có nhiều X, mỗi X có thể giống nhau hoặc khác nhau. Y_1 là nguyên tử halogen, nhóm C_1-C_6 haloalkoxy, hoặc nhóm C_1-C_3 haloalkyl. Y_5 là nhóm C_1-C_6 haloalkoxy, hoặc nhóm C_1-C_3 haloalkyl.

<13> Dẫn xuất amit theo mục <12>, trong đó trong Công thức (7), Y_3 là nhóm C_2-C_4 perfloalkyl.

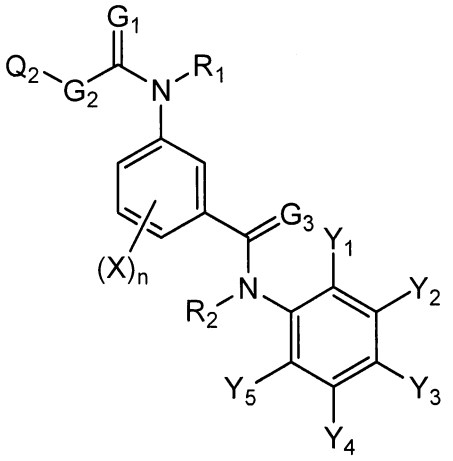
<14> Dẫn xuất amit theo mục <13>, trong đó trong Công thức (7), Y_1 là nguyên tử halogen hoặc nhóm C_1-C_3 haloalkyl, và Y_5 là nhóm C_1-C_3 haloalkyl.

<15> Dẫn xuất amit theo mục <14>, trong đó trong Công thức (7), Y_2 và Y_4 là nguyên tử hyđro.

[0052] <16> Dẫn xuất amit theo mục <15>, trong đó trong Công thức (7), X_1 đến X_4 mỗi nhóm độc lập là nguyên tử hyđro, nguyên tử halogen, hoặc nhóm xyano.

<17> Dẫn xuất amit theo mục <1>, được thể hiện bằng Công thức (9):

[0053]



Công thức (9)

Trong đó, trong Công thức (9), n bằng 4, và X, Y_1 đến Y_5, Q_2, G_1 đến G_3, R_1, và R_2 lần lượt có các định nghĩa giống như X, Y_1 đến Y_5, Q_2, G_1 đến G_3, R_1, và R_2 trong Công thức (1).

<18> Dẫn xuất amit theo mục <17>, trong đó trong Công thức (9), Y_1 là nguyên tử halogen, nhóm C_1-C_6 haloalkoxy, hoặc nhóm C_1-C_3 haloalkyl, và Y_5 là nhóm C_1-C_6 haloalkoxy hoặc nhóm C_1-C_3 haloalkyl.

<19> Dẫn xuất amit theo mục <18>, trong đó trong Công thức (9), Y_3 là nhóm C_2-C_4 perfloalkyl.

<20> Dẫn xuất amit theo mục <19>, trong đó trong Công thức (9), Y_1 và Y_5 là nguyên tử halogen hoặc nhóm C_1-C_3 haloalkyl, và Y_1 hoặc Y_5 là nhóm C_1-C_3 haloalkyl.

<21> Dẫn xuất amit theo mục <20>, trong đó trong Công thức (9), Y_2 và Y_4 là các nguyên tử hyđro.

<22> Dẫn xuất amit theo mục <21>, trong đó trong Công thức (9), mỗi X_1 đến X_4 độc lập là nguyên tử hyđro, nguyên tử halogen, hoặc nhóm xyano.

<23> Dẫn xuất amit theo mục <1>, trong đó trong Công thức (1), K là nhóm nguyên tử phi kim cần thiết để tạo thành nhóm liên kết vòng có nguồn gốc từ pyriđin, pyriđin-N-oxit, pyrimiđin, pyrazin, pyriđazin, triazin, pyrol, pyrazol, imiđazol, oxazol, isoxazol, thiazol, isothiazol, furan, thiophen, oxađiazol, thiođiazol, hoặc triazol, kết hợp với A và hai nguyên tử cacbon mà A liên kết với.

<24> Dẫn xuất amit theo mục <23>, trong đó trong Công thức (1), K là nhóm nguyên tử phi kim cần thiết để tạo thành nhóm liên kết vòng có nguồn gốc từ pyriđin, kết hợp với A và hai nguyên tử cacbon mà A liên kết với, và khi T là -C(=G_1)-Q_1, mỗi Y1 và Y5 độc lập là nguyên tử halogen hoặc nhóm C_1-C_3 haloalkyl.

<25> Dẫn xuất amit theo mục <23>, trong đó trong Công thức (1), K là nhóm nguyên tử phi kim cần thiết để tạo thành nhóm liên kết vòng có nguồn gốc từ pyrol, pyrazol, imiđazol, oxazol, isoxazol, thiazol, isothiazol, furan, thiophen, oxađiazol, thiođiazol, hoặc trizol, kết hợp với A và hai nguyên tử cacbon mà A liên kết với, và trong trường hợp trong đó T là -C(=G_1)-Q_1, R_1 là nguyên tử oxy, nguyên tử halogen, nhóm hyđroxy, nhóm nitro, nhóm nitroso, nhóm trimetylsilyl, nhóm t-butylđimetylsilyl, nhóm xyano, nhóm amino, nhóm C_1-C_6 alkyl mà có thể có phần tử thế, nhóm C_1-C_6 haloalkyl mà có thể có phần tử thế, nhóm C_2-C_7 alkylcacbonyl, nhóm C_2-C_7 haloalkylcacbonyl, nhóm C_2-C_6 alkenyl mà có thể có phần tử thế, nhóm C_2-C_6 haloalkenyl mà có thể có phần tử thế, nhóm C_2-C_6 alkynyl mà có thể có phần tử thế, nhóm C_2-C_6 haloalkynyl mà có thể có phần tử thế, nhóm C_2-C_7 alkoxycacbonyl, nhóm C_2-C_7 haloalkoxycacbonyl, nhóm C_3-C_7 alkenyloxycacbonyl, nhóm C_3-C_7 haloalkenyloxycacbonyl, nhóm C_3-C_7 alkynyloxycacbonyl, nhóm C_3-C_7 haloalkynyloxycacbonyl, nhóm phenoxycacbonyl, nhóm C_2-C_7 alkylaminocacbonyl,

nhóm C_2-C_7 haloalkylaminocacbonyl, nhóm C_2-C_7 alkylcacbonyloxy, nhóm C_2-C_7 haloalkylcacbonyloxy, nhóm benzoyl, nhóm C_1-C_6 alkoxy, nhóm C_1-C_6 haloalkoxy, nhóm C_1-C_6 alkylthio, nhóm C_1-C_6 haloalkylthio, nhóm C_1-C_6 alkylsulfinyl, nhóm C_1-C_6 haloalkylsulfinyl, nhóm C_1-C_6 alkylsulfonyl, nhóm C_1-C_6 haloalkylsulfonyl, nhóm benzensulfonyl, nhóm benzylsulfonyl, nhóm benzyl, hoặc -C(=O)C(=O)R_7 (trong đó R_7 là nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_1-C_6 alkoxy, hoặc nhóm C_1-C_6 haloalkoxy).

<26> Dẫn xuất amit theo mục <23>, trong đó trong Công thức (1), K là nhóm nguyên tử phi kim cần thiết để tạo thành nhóm liên kết vòng có nguồn gốc từ pyrol, pyrazol, imiđazol, oxazol, isoxazol, thiazol, isothiazol, furan, thiophen, oxađiazol, thiođiazol, hoặc trizol, kết hợp với A và hai nguyên tử cacbon mà A liên kết với, và trong trường hợp trong đó T là -C(=G_1)-Q_1, R_2 là nguyên tử oxy, nguyên tử halogen, nhóm hyđroxy, nhóm nitro, nhóm nitroso, nhóm trimetylsilyl, nhóm t-butylđimetylsilyl, nhóm xyano, nhóm amino, nhóm C_1-C_6 alkyl mà có thể có phần tử thế, nhóm C_1-C_6 haloalkyl mà có thể có phần tử thế, nhóm C_2-C_7 alkylcacbonyl, nhóm C_2-C_7 haloalkylcacbonyl, nhóm C_2-C_6 alkenyl mà có thể có phần tử thế, nhóm C_2-C_6 haloalkenyl mà có thể có phần tử thế, nhóm C_2-C_6 alkynyl mà có thể có phần tử thế, nhóm C_2-C_6 haloalkynyl mà có thể có phần tử thế, nhóm C_2-C_7 alkoxycacbonyl, nhóm C_2-C_7 haloalkoxycacbonyl, nhóm C_3-C_7 alkenyloxycacbonyl, nhóm C_3-C_7 haloalkenyloxycacbonyl, nhóm C_3-C_7 alkynyloxycacbonyl, nhóm C_3-C_7 haloalkynyloxycacbonyl, nhóm phenoxycacbonyl, nhóm C_2-C_7 alkylaminocacbonyl, nhóm C_2-C_7 haloalkylaminocacbonyl, nhóm C_2-C_7 alkylcacbonyloxy, nhóm C_2-C_7 haloalkylcacbonyloxy, nhóm benzoyl, nhóm C_1-C_6 alkoxy, nhóm C_1-C_6 haloalkoxy, nhóm C_1-C_6 alkylthio, nhóm C_1-C_6 haloalkylthio, nhóm C_1-C_6 alkylsulfinyl, nhóm C_1-C_6 haloalkylsulfinyl, nhóm C_1-C_6 alkylsulfonyl, nhóm C_1-C_6 haloalkylsulfonyl, nhóm benzensulfonyl, nhóm benzylsulfonyl, nhóm benzyl, hoặc -C(=O)C(=O)R_7 (trong đó R_7 là nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_1-C_6 alkoxy, hoặc nhóm C_1-C_6 haloalkoxy).

<27> Dẫn xuất amit theo mục bất kỳ trong số các mục từ <23> đến <26>, trong đó trong Công thức (1), Y_3 là nhóm C_2-C_4 perfloalkyl.

<28> Dẫn xuất amit theo mục <27>, trong đó trong Công thức (1), mỗi Y1 và Y5 độc lập là nguyên tử halogen hoặc nhóm C_1-C_3 haloalkyl, và Y_1 hoặc Y_5 là nhóm

C_1-C_3 haloalkyl.

<29> Dẫn xuất amit theo mục <28>, trong đó trong Công thức (1), Y_2 và Y_4 là các nguyên tử hyđro.

<30> Dẫn xuất amit theo mục <29>, trong đó trong Công thức (1), K là nhóm nguyên tử phi kim cần thiết để tạo thành nhóm liên kết vòng có nguồn gốc từ pyriđin, pyriđin-N-oxit, pyrol, thiazol, furan, hoặc thiophen, kết hợp với A và hai nguyên tử cacbon mà A liên kết với.

<31> Dẫn xuất amit theo mục <29>, trong đó trong Công thức (1), K là nhóm nguyên tử phi kim cần thiết để tạo thành nhóm liên kết vòng có nguồn gốc từ pyriđin, pyriđin-N-oxit, hoặc thiazol, kết hợp với A và hai nguyên tử cacbon mà A liên kết với.

<32> Dẫn xuất amit theo mục <16>, trong đó trong Công thức (7), G_1 và G_3 là các nguyên tử oxy.

<33> Dẫn xuất amit theo mục <22>, trong đó trong Công thức (9), G_1, G_2, và G_3 là các nguyên tử oxy.

<34> Dẫn xuất amit theo mục <31>, trong đó trong Công thức (1), G_1, G_2, và G_3 là các nguyên tử oxy.

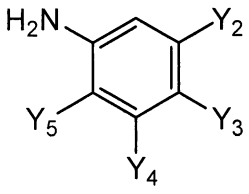
<35> Chất diệt trừ loài gây hại bao gồm ít nhất một dẫn xuất amit theo mục bất kỳ trong số các mục từ <1> đến <34> làm hoạt chất.

<36> Hợp chất hóa nông bao gồm ít nhất một dẫn xuất amit theo mục bất kỳ trong số các mục từ <1> đến <34> làm hoạt chất.

<37> Thuốc diệt loài gây hại bao gồm ít nhất một dẫn xuất amit theo mục bất kỳ trong số các mục từ <1> đến <34> làm hoạt chất.

<38> Phương pháp diệt trừ loài gây hại, bao gồm việc sử dụng chất hóa học theo mục bất kỳ trong số các mục từ <35> đến <37>.

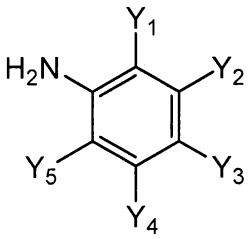
<39> Hợp chất được thể hiện bằng Công thức (56):



Công thức (56)

Trong đó, Y_5 là nhóm C_1-C_3 haloalkyl, và Y_2, Y_3, và Y_4 lần lượt có các định nghĩa giống như Y_2, Y_3, và Y_4 trong mục <1>.

<40> Hợp chất được thể hiện bằng Công thức (57) sau:

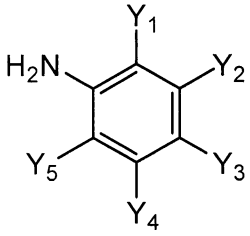


Công thức (57)

Trong đó Y_5 là nhóm C_1-C_3 haloalkyl, và Y_1, Y_2, Y_3, và Y_4 lần lượt có các định nghĩa giống như Y_1, Y_2, Y_3, và Y_4 trong mục <1>.

<41> Hợp chất theo mục <40>, trong đó trong Công thức (57), Y_1 là nguyên tử halogen.

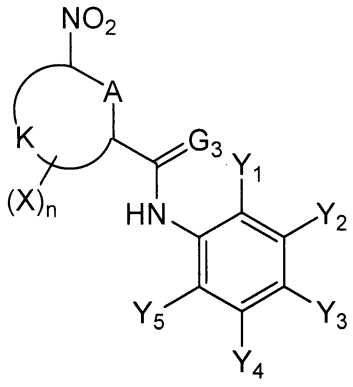
<42> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (57a) theo mục <41>, bao gồm việc cho hợp chất được thể hiện bằng Công thức (56) theo mục <39> phản ứng với chất halogen hóa:



Công thức (57a)

Trong đó Y_5 là nhóm C_1-C_3 haloalkyl, Y_2, Y_3, và Y_4 lần lượt có các định nghĩa giống như Y_2, Y_3, và Y_4 trong mục <1>, và Y_1 là nguyên tử halogen.

<43> Hợp chất được thể hiện bằng Công thức (60a):

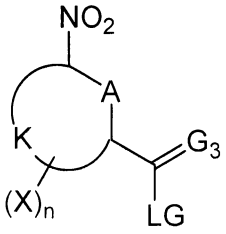


Công thức (60a)

Trong đó A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống

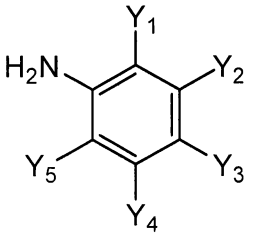
như A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>. Trong trường hợp trong đó K tạo thành vòng benzen cùng với A và hai nguyên tử cacbon mà A liên kết với và tất cả các X là các nguyên tử hyđro, Y_5 là nhóm C_1-C_3 haloalkyl. Ngoài ra, khi K tạo thành vòng benzen cùng với A và hai nguyên tử cacbon mà A liên kết với và X là nhóm xyano, Y_5 là nhóm C_1-C_6 haloalkoxy hoặc nhóm C_1-C_3 haloalkyl.

<44> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (60a) theo mục <43>, bao gồm việc cho hợp chất được thể hiện bằng Công thức (59) phản ứng với hợp chất được thể hiện bằng Công thức (57b):



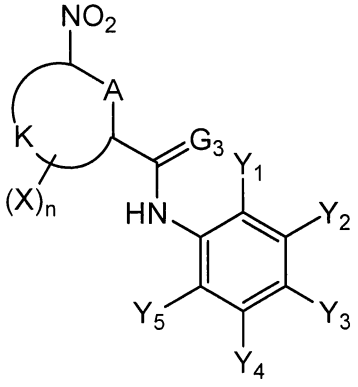
Công thức (59)

Trong đó LG là nhóm chức có khả năng rời chuyển, như nguyên tử halogen, nhóm hyđroxy, hoặc nhóm tương tự, và A, K, X, n, và G_3 lần lượt có các định nghĩa giống như A, K, X, n, và G_3 trong mục <1>.



Công thức (57b)

Trong đó Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>.

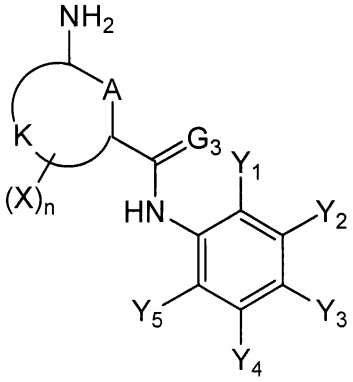


Công thức (60a)

Trong đó A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống

như A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>. Trong trường hợp trong đó K tạo thành vòng benzen cùng với A và hai nguyên tử cacbon mà A liên kết với và tất cả các X là các nguyên tử hyđro, Y_5 là nhóm C_1-C_3 haloalkyl. Ngoài ra, trong trường hợp trong đó K tạo thành vòng benzen cùng với A và hai nguyên tử cacbon mà A liên kết với và X là nhóm xyano, Y_5 là nhóm C_1-C_6 haloalkoxy hoặc nhóm C_1-C_3 haloalkyl.

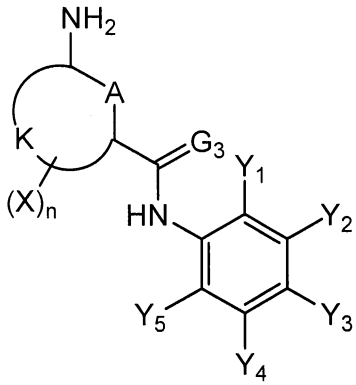
<45> Hợp chất được thể hiện bằng Công thức (61a):



Công thức (61a)

Trong đó A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong <1>. Trong trường hợp trong đó K tạo thành vòng benzen cùng với A và hai nguyên tử cacbon mà A liên kết với và tất cả các X là các nguyên tử hyđro, Y_5 là nhóm C_1-C_3 haloalkyl. Ngoài ra, khi K tạo thành vòng benzen cùng với A và hai nguyên tử cacbon mà A liên kết với và X là nhóm xyano, Y_5 là nhóm C_1-C_6 haloalkoxy hoặc nhóm C_1-C_3 haloalkyl.

<46> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (61a) theo mục <45>, bao gồm bước cho hợp chất được thể hiện bằng Công thức (60a) theo mục <43> phản ứng với tác nhân khử:

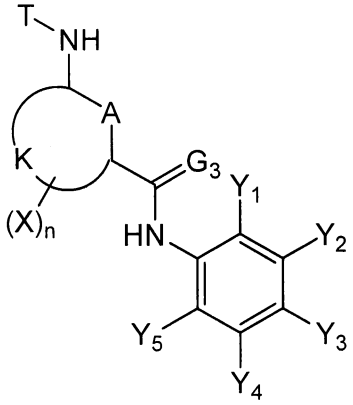


Công thức (61a)

Trong đó A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống

như A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>. Trong trường hợp trong đó K tạo thành vòng benzen cùng với A và hai nguyên tử cacbon mà A liên kết với và tất cả các X là các nguyên tử hyđro, Y_5 là nhóm C_1-C_3 haloalkyl. Ngoài ra, khi K tạo thành vòng benzen cùng với A và hai nguyên tử cacbon mà A liên kết với và X là nhóm xyano, Y_5 là nhóm C_1-C_6 haloalkoxy hoặc nhóm C_1-C_3 haloalkyl.

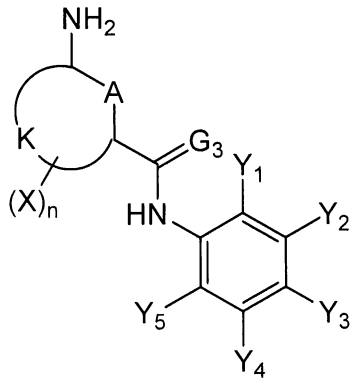
<47> Hợp chất được thể hiện bằng Công thức (69):



Công thức (69)

Trong đó T, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như T, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>.

Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (69) theo mục <47>, bao gồm bước cho hợp chất được thể hiện bằng Công thức (61b) phản ứng với hợp chất được thể hiện bằng Công thức (62):

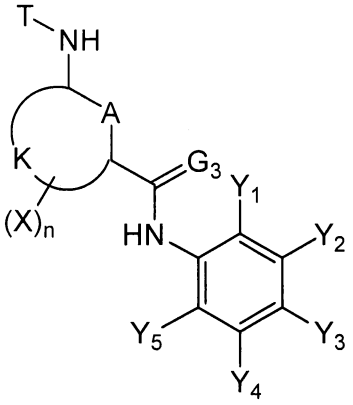


Công thức (61b)

Trong đó A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>.

T-LG Công thức (62)

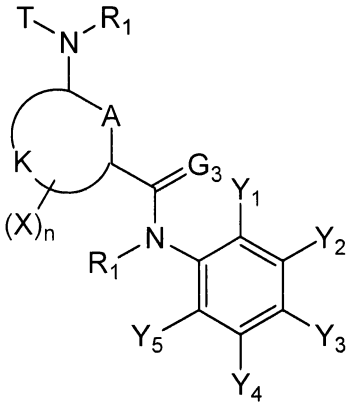
Trong đó LG là nhóm chức có khả năng rời chuyển, như nguyên tử halogen, nhóm hyđroxy, và dạng tương tự, và T có định nghĩa giống như T trong mục <1>.



Công thức (69)

Trong đó T, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như T, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>.

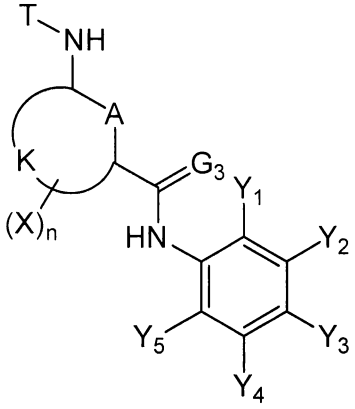
<49> Hợp chất được thể hiện bằng Công thức (51a):



Công thức (51a)

Trong đó T, R_1, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như T, R_1, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>.

<50> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (51b), bao gồm bước cho hợp chất được thể hiện bằng Công thức (69) theo mục <47> phản ứng với hợp chất được thể hiện bằng Công thức (64):

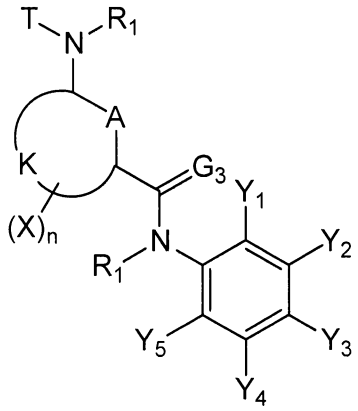


Công thức (69)

Trong đó T, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như T, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>.

R_1—LG Công thức (64)

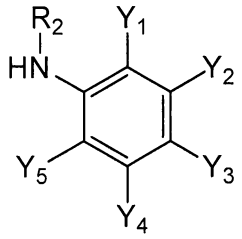
Trong đó LG là nhóm chức có khả năng rời chuyển, như nguyên tử halogen, nhóm hyđroxy, hoặc nhóm tương tự, R_1 là nhóm trimetylsilyl, nhóm t-butylđimetylsilyl, nhóm xyano, nhóm C_1-C_6 alkyl mà có thể có phần tử thế, nhóm C_1-C_6 haloalkyl mà có thể có phần tử thế, nhóm C_2-C_7 alkylcacbonyl, nhóm C_2-C_7 haloalkylcacbonyl, nhóm C_2-C_6 alkenyl mà có thể có phần tử thế, nhóm C_2-C_6 haloalkenyl mà có thể có phần tử thế, nhóm C_2-C_6 alkynyl mà có thể có phần tử thế, nhóm C_2-C_6 haloalkynyl mà có thể có phần tử thế, nhóm C_2-C_7 alkoxycacbonyl, nhóm C_2-C_7 haloalkoxycacbonyl, nhóm C_3-C_7 alkenyloxycacbonyl, nhóm C_3-C_7 haloalkenyloxycacbonyl, nhóm C_3-C_7 alkynyloxycacbonyl, nhóm C_3-C_7 haloalkynyloxycacbonyl, nhóm phenoxycacbonyl, nhóm C_2-C_7 alkylaminocacbonyl, nhóm C_2-C_7 haloalkylaminocacbonyl, nhóm C_2-C_7 alkylcacbonyloxy, nhóm C_2-C_7 haloalkylcacbonyloxy, nhóm benzoyl, nhóm C_1-C_6 alkylsulfinyl, nhóm C_1-C_6 haloalkylsulfinyl, nhóm C_1-C_6 alkylsulfonyl, nhóm C_1-C_6 haloalkylsulfonyl, nhóm benzensulfonyl, nhóm benzylsulfonyl, nhóm benzyl, hoặc -C(=O)C(=O)R_7 (trong đó R_7 là nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_1-C_6 alkoxy, hoặc nhóm C_1-C_6 haloalkoxy.



Công thức (51b)

Trong đó R_1 có định nghĩa giống như R_1 trong Công thức (64), và T, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như T, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>.

<51> Hợp chất được thể hiện bằng Công thức (57c):

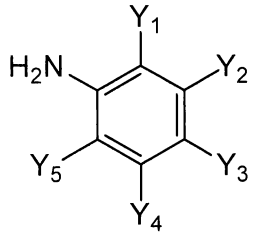


Công thức (57c)

Trong đó Y_5 là nhóm C_1-C_6 haloalkoxy hoặc nhóm C_1-C_3 haloalkyl, R_2 là nguyên tử oxy, nguyên tử halogen, nhóm hyđroxy, nhóm nitro, nhóm nitroso, nhóm trimetylsilyl, nhóm t-butylđimetylsilyl, nhóm xyano, nhóm amino, nhóm C_1-C_6 alkyl mà có thể có phần tử thế, nhóm C_1-C_6 haloalkyl mà có thể có phần tử thế, nhóm C_2-C_7 alkylcacbonyl, nhóm C_2-C_7 haloalkylcacbonyl, nhóm C_2-C_6 alkenyl mà có thể có phần tử thế, nhóm C_2-C_6 haloalkenyl mà có thể có phần tử thế, nhóm C_2-C_6 alkynyl mà có thể có phần tử thế, nhóm C_2-C_6 haloalkynyl mà có thể có phần tử thế, nhóm C_2-C_7 alkoxycacbonyl, nhóm C_2-C_7 haloalkoxycacbonyl, nhóm C_3-C_7 alkenyloxycacbonyl, nhóm C_3-C_7 haloalkenyloxycacbonyl, nhóm C_3-C_7 alkynyloxycacbonyl, nhóm C_3-C_7 haloalkynyloxycacbonyl, nhóm phenoxycacbonyl, nhóm C_2-C_7 alkylaminocacbonyl, nhóm C_2-C_7 haloalkylaminocacbonyl, nhóm C_2-C_7 alkylcacbonyloxy, nhóm C_2-C_7 haloalkylcacbonyloxy, nhóm benzoyl, nhóm C_1-C_6 alkoxy, nhóm C_1-C_6 haloalkoxy, nhóm C_1-C_6 alkylthio, nhóm C_1-C_6 haloalkylthio, nhóm C_1-C_6 alkylsulfinyl, nhóm C_1-C_6 haloalkylsulfinyl, nhóm C_1-C_6 alkylsulfonyl, nhóm C_1-C_6 haloalkylsulfonyl, nhóm benzensulfonyl, nhóm benzylsulfonyl, nhóm benzyl, hoặc -C(=O)C(=O)R_7 (trong đó

R_7 là nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_1-C_6 alkoxy, hoặc nhóm C_1-C_6 haloalkoxy), và Y_1, Y_2, Y_3, và Y_4 lần lượt có các định nghĩa giống như Y_1, Y_2, Y_3, và Y_4 trong mục <1>.

<52> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (57m), bao gồm bước cho hợp chất được thể hiện bằng Công thức (57k) phản ứng với hợp chất được thể hiện bằng Công thức (66):

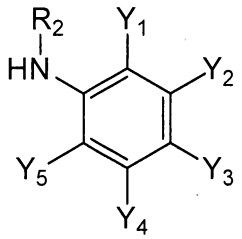


Công thức (57k)

Trong đó Y_5 là nhóm C_1-C_6 haloalkoxy hoặc nhóm C_1-C_3 haloalkyl, và Y_1, Y_2, Y_3, và Y_4 lần lượt có các định nghĩa giống như Y_1, Y_2, Y_3, và Y_4 trong mục <1>.

R_2—LG Công thức (66)

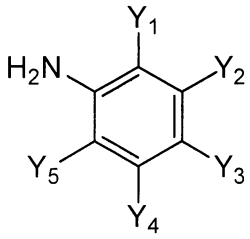
Trong đó, LG là nhóm chức có khả năng rời chuyển, như nguyên tử halogen, nhóm hyđroxy, hoặc nhóm tương tự, R_2 là nhóm trimetylsilyl, nhóm t-butylđimetylsilyl, nhóm xyano, nhóm C_1-C_6 alkyl mà có thể có phần tử thế, nhóm C_1-C_6 haloalkyl mà có thể có phần tử thế, nhóm C_2-C_7 alkylcacbonyl, nhóm C_2-C_7 haloalkylcacbonyl, nhóm C_2-C_6 alkenyl mà có thể có phần tử thế, nhóm C_2-C_6 haloalkenyl mà có thể có phần tử thế, nhóm C_2-C_6 alkynyl mà có thể có phần tử thế, nhóm C_2-C_6 haloalkynyl mà có thể có phần tử thế, nhóm C_2-C_7 alkoxycacbonyl, nhóm C_2-C_7 haloalkoxycacbonyl, nhóm C_3-C_7 alkenyloxycacbonyl, nhóm C_3-C_7 haloalkenyloxycacbonyl, nhóm C_3-C_7 alkynyloxycacbonyl, nhóm C_3-C_7 haloalkynyloxycacbonyl, nhóm phenoxycacbonyl, nhóm C_2-C_7 alkylaminocacbonyl, nhóm C_2-C_7 haloalkylaminocacbonyl, nhóm C_2-C_7 alkylcacbonyloxy, nhóm C_2-C_7 haloalkylcacbonyloxy, nhóm benzoyl, nhóm C_1-C_6 alkylsulfinyl, nhóm C_1-C_6 haloalkylsulfinyl, nhóm C_1-C_6 alkylsulfonyl, nhóm C_1-C_6 haloalkylsulfonyl, nhóm benzensulfonyl, nhóm benzylsulfonyl, nhóm benzyl, hoặc -C(=O)C(=O)R_7, trong đó R_7 là nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_1-C_6 alkoxy, hoặc nhóm C_1-C_6 haloalkoxy.



Công thức (57m)

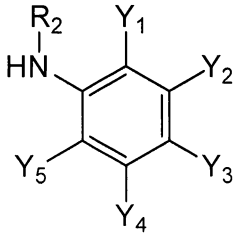
Trong đó Y_5 là nhóm C_1-C_6 haloalkoxy hoặc nhóm C_1-C_3 haloalkyl, R_2 có định nghĩa giống như R_2 trong Công thức (66), và Y_1, Y_2, Y_3, và Y_4 lần lượt có các định nghĩa giống như Y_1, Y_2, Y_3, và Y_4 trong mục <1>.

<53> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (57n), bao gồm bước cho hợp chất được thể hiện bằng Công thức (57k) theo mục <52> phản ứng với alđehyt:



Công thức (57k)

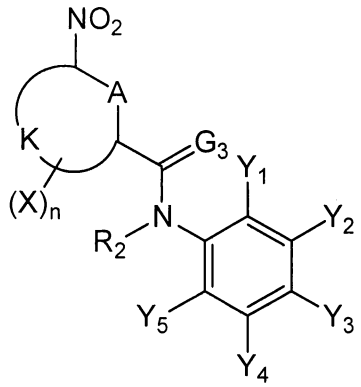
Trong đó Y_5 là nhóm C_1-C_6 haloalkoxy hoặc nhóm C_1-C_3 haloalkyl, và Y_1, Y_2, Y_3, và Y_4 lần lượt có các định nghĩa giống như Y_1, Y_2, Y_3, và Y_4 trong mục <1>.



Công thức (57n)

Trong đó Y_5 là nhóm C_1-C_6 haloalkoxy hoặc nhóm C_1-C_3 haloalkyl, R_2 là nhóm C_1-C_6 alkyl mà có thể có phần tử thế, nhóm C_1-C_6 haloalkyl mà có thể có phần tử thế, hoặc nhóm benzyl, và Y_1, Y_2, Y_3, và Y_4 lần lượt có các định nghĩa giống như Y_1, Y_2, Y_3, và Y_4 trong mục <1>.

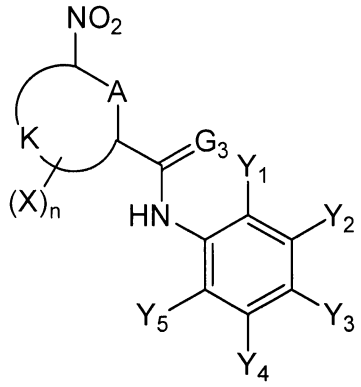
<54> Hợp chất được thể hiện bằng Công thức (60):



Công thức (60)

Trong đó R_2 có định nghĩa giông như R_2 trong mục <51>, và A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>.

<55> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (60e), bao gồm việc cho hợp chất được thể hiện bằng Công thức (60f) phản ứng với hợp chất được thể hiện bằng Công thức (66) theo mục <52>:



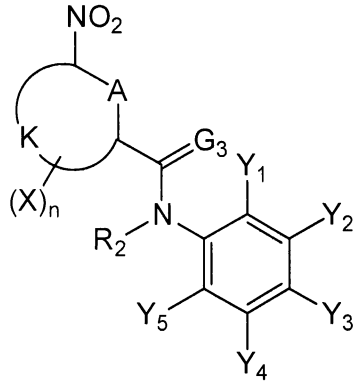
Công thức (60f)

Trong đó A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>.

R_2—LG Công thức (66)

Trong đó LG là nhóm chức có khả năng rời chuyển, như nguyên tử halogen, nhóm hyđroxy, hoặc nhóm tương tự, R_2 là nhóm trimetylsilyl, nhóm t-butylđimetylsilyl, nhóm xyano, nhóm C_1-C_6 alkyl mà có thể có phần tử thế, nhóm C_1-C_6 haloalkyl mà có thể có phần tử thế, nhóm C_2-C_7 alkylcacbonyl, nhóm C_2-C_7 haloalkylcacbonyl, nhóm C_2-C_6 alkenyl mà có thể có phần tử thế, nhóm C_2-C_6 haloalkenyl mà có thể có phần tử thế, nhóm C_2-C_6 alkynyl mà có thể có phần tử thế, nhóm C_2-C_6 haloalkynyl mà có thể có phần tử thế, nhóm C_2-C_7 alkoxycacbonyl, nhóm

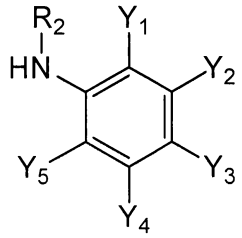
C_2-C_7 haloalkoxycacbonyl, nhóm C_3-C_7 alkenyloxycacbonyl, nhóm C_3-C_7 haloalkenyloxycacbonyl, nhóm C_3-C_7 alkynyloxycacbonyl, nhóm C_3-C_7 haloalkynyloxycacbonyl, nhóm phenoxycacbonyl, nhóm C_2-C_7 alkylaminocacbonyl, nhóm C_2-C_7 haloalkylaminocacbonyl, nhóm C_2-C_7 alkylcacbonyloxy, nhóm C_2-C_7 haloalkylcacbonyloxy, nhóm benzoyl, nhóm C_1-C_6 alkylsulfinyl, nhóm C_1-C_6 haloalkylsulfinyl, nhóm C_1-C_6 alkylsulfonyl, nhóm C_1-C_6 haloalkylsulfonyl, nhóm benzensulfonyl, nhóm benzylsulfonyl, nhóm benzyl, hoặc -C(=O)C(=O)R_7 (trong đó R_7 là nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_1-C_6 alkoxy, hoặc nhóm C_1-C_6 haloalkoxy).



Công thức (60e)

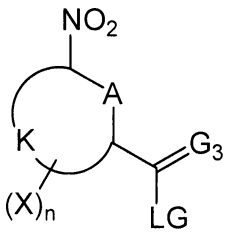
Trong đó R_2 có định nghĩa giống như R_2 trong Công thức (66), và A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>.

<56> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (60) theo mục <54>, gồm bước cho hợp chất được thể hiện bằng Công thức (57d) phản ứng với hợp chất được thể hiện bằng Công thức (59) theo mục <44>:



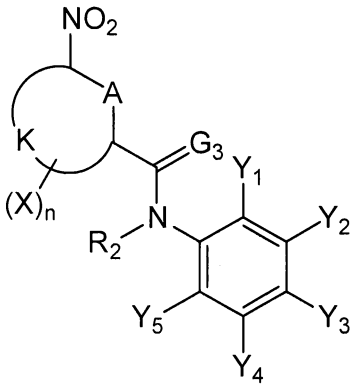
Công thức (57d)

Trong đó R_2 có định nghĩa giống như R_2 trong mục <51>, và Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>



Công thức (59)

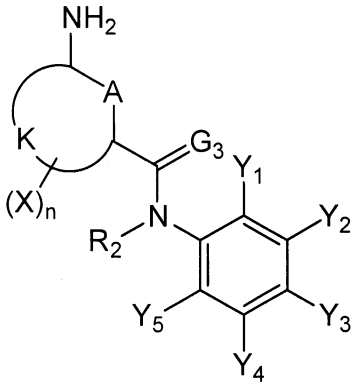
Trong đó LG là nhóm chức có khả năng rời chuyển, như nguyên tử halogen, nhóm hyđroxy, hoặc nhóm tương tự, và A, K, X, n, và G_3 lần lượt có các định nghĩa giống như A, K, X, n, và G_3 trong mục <1>.



Công thức (60)

Trong đó R_2 có định nghĩa giống như R_2 trong mục <51>, và A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>.

<57> Hợp chất được thể hiện bằng Công thức (61):

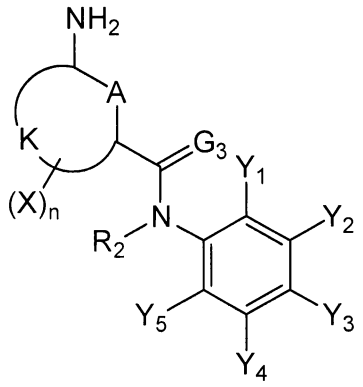


Công thức (61)

Trong đó R_2 có định nghĩa giống như R_2 trong mục <51>, và A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>.

<58> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (61) theo

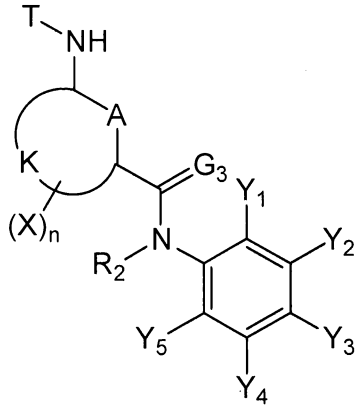
mục <57>, bao gồm hợp chất được thể hiện bằng Công thức (60) theo mục <54> trong sự có mặt của tác nhân khử:



Công thức (61)

Trong đó R_2 có định nghĩa giống như R_2 trong mục <51>, và A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>.

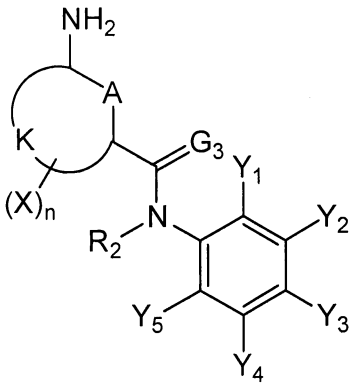
<59> Hợp chất được thể hiện bằng Công thức (63):



Công thức (63)

Trong đó T, R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như T, R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>.

<60> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (63) theo mục <59>, bao gồm bước cho hợp chất được thể hiện bằng Công thức (61e) phản ứng với hợp chất được thể hiện bằng Công thức (62) theo mục <48>:

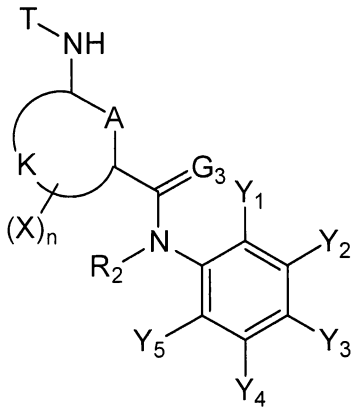


Công thức (61e)

Trong đó R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>.

T—LG Công thức (62)

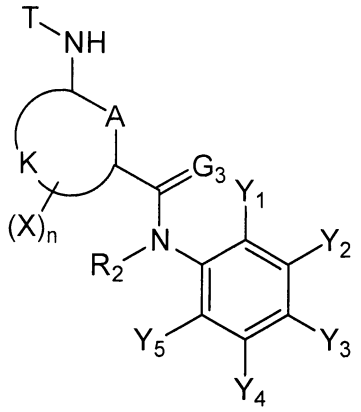
(trong đó LG là nhóm chức có khả năng rời chuyển, như nguyên tử halogen, nhóm hyđroxy, hoặc nhóm tương tự, và T có định nghĩa giống như T trong mục <1>).



Công thức (63)

Trong đó T, R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như T, R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>.

<61> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (1b), gồm bước cho hợp chất được thể hiện bằng Công thức (63) theo mục <59> phản ứng với hợp chất được thể hiện bằng Công thức (64) theo mục <50>:

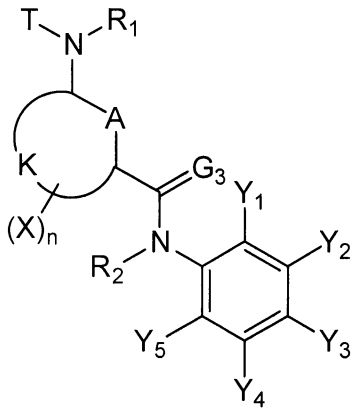


Công thức (63)

Trong đó T, R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như T, R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>.

R_1—LG Công thức (64)

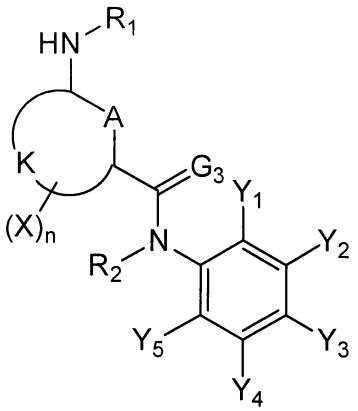
Trong đó, LG là nhóm chức có khả năng rời chuyển, như nguyên tử halogen, nhóm hyđroxy, hoặc nhóm tương tự, R_1 là nhóm trimetylsilyl, nhóm t-butylđimetylsilyl, nhóm xyano, nhóm C_1-C_6 alkyl mà có thể có phần tử thế, nhóm C_1-C_6 haloalkyl mà có thể có phần tử thế, nhóm C_2-C_7 alkylcacbonyl, nhóm C_2-C_7 haloalkylcacbonyl, nhóm C_2-C_6 alkenyl mà có thể có phần tử thế, nhóm C_2-C_6 haloalkenyl mà có thể có phần tử thế, nhóm C_2-C_6 alkynyl mà có thể có phần tử thế, nhóm C_2-C_6 haloalkynyl mà có thể có phần tử thế, nhóm C_2-C_7 alkoxycacbonyl, nhóm C_2-C_7 haloalkoxycacbonyl, nhóm C_3-C_7 alkenyloxycacbonyl, nhóm C_3-C_7 haloalkenyloxycacbonyl, nhóm C_3-C_7 alkynyloxycacbonyl, nhóm C_3-C_7 haloalkynyloxycacbonyl, nhóm phenoxycacbonyl, nhóm C_2-C_7 alkylaminocacbonyl, nhóm C_2-C_7 haloalkylaminocacbonyl, nhóm C_2-C_7 alkylcacbonyloxy, nhóm C_2-C_7 haloalkylcacbonyloxy, nhóm benzoyl, nhóm C_1-C_6 alkylsulfinyl, nhóm C_1-C_6 haloalkylsulfinyl, nhóm C_1-C_6 alkylsulfonyl, nhóm C_1-C_6 haloalkylsulfonyl, nhóm benzensulfonyl, nhóm benzylsulfonyl, nhóm benzyl, hoặc -C(=O)C(=O)R_7, trong đó R_7 là nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_1-C_6 alkoxy, hoặc nhóm C_1-C_6 haloalkoxy.



Công thức (1b)

Trong đó R_1 có định nghĩa giống như R_1 trong Công thức (64), và R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>.

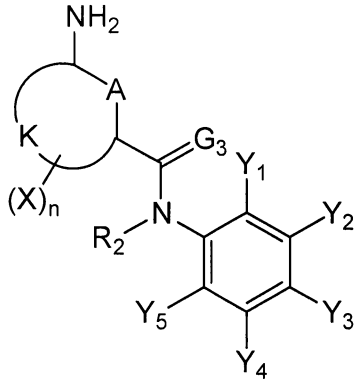
<62> Hợp chất được thể hiện bằng Công thức (65a):



Công thức (65a)

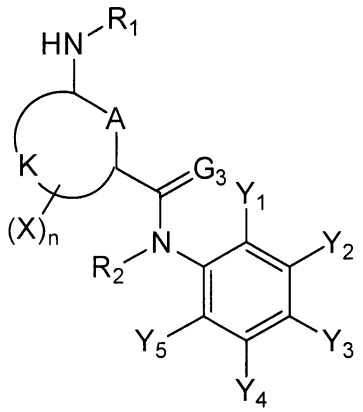
Trong đó R_1, R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như R_1, R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>. Trong trường hợp trong đó K tạo thành vòng benzen cùng với A và hai nguyên tử cacbon mà A liên kết với, tất cả các X là các nguyên tử hyđro, và R_2 là nguyên tử hyđro, Y_5 là nhóm C_1-C_3 haloalkyl. Ngoài ra, trong trường hợp trong đó K tạo thành vòng benzen cùng với A và hai nguyên tử cacbon mà A liên kết với, X là nhóm xyano, và R_1 và R_2 là các nguyên tử hyđro, và Y_5 là nhóm C_1-C_6 haloalkoxy hoặc nhóm C_1-C_3 haloalkyl.

<63> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (65c), bao gồm bước cho hợp chất được thể hiện bằng Công thức (61e) theo mục <60> phản ứng với alđehyt:



Công thức (61e)

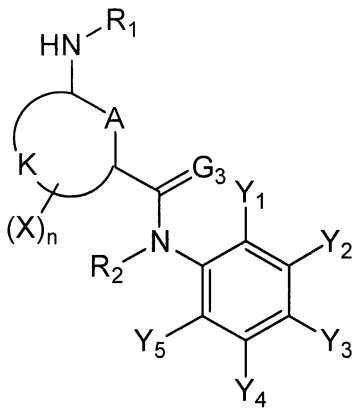
Trong đó R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>.



Công thức (65c)

Trong đó R_1 là nhóm C_1-C_6 alkyl mà có thể có phần tử thế, nhóm C_1-C_6 haloalkyl mà có thể có phần tử thế, hoặc nhóm benzyl, và R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong <1>. Trong trường hợp trong đó K tạo thành vòng benzen cùng với A và hai nguyên tử cacbon mà A liên kết với, tất cả các X là các nguyên tử hyđro, và R_2 là nguyên tử hyđro, Y_5 là nhóm C_1-C_3 haloalkyl.

<64> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (1), bao gồm bước cho hợp chất được thể hiện bằng Công thức (65b) phản ứng với hợp chất được thể hiện bằng Công thức (62) theo mục <48>:

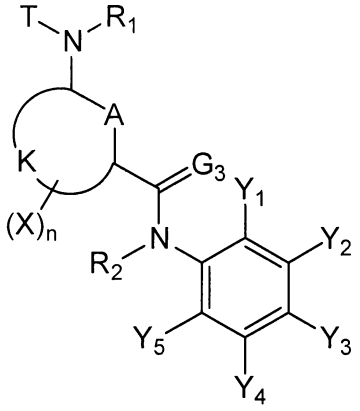


Công thức (65b)

Trong đó R_1, R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như R_1, R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>.

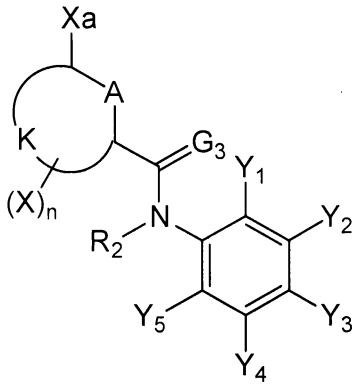
T—LG Công thức (62)

Trong đó LG là nhóm chức có khả năng rời chuyển, như nguyên tử halogen, nhóm hyđroxy, hoặc nhóm tương tự, và T có định nghĩa giống như T trong mục <1>.



Công thức (1)

<65> Hợp chất được thể hiện bằng Công thức (68):

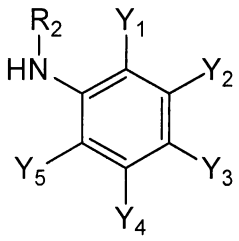


Công thức (68)

Trong đó Xa là nguyên tử clo, nguyên tử brom, hoặc nguyên tử iot, và R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như R_2, A, K, X, n,

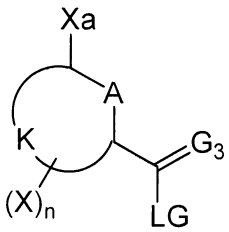
G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <23>.

<66> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (68) theo mục <65>, bao gồm bước cho hợp chất được thể hiện bằng Công thức (57j) phản ứng với hợp chất được thể hiện bằng Công thức (67):



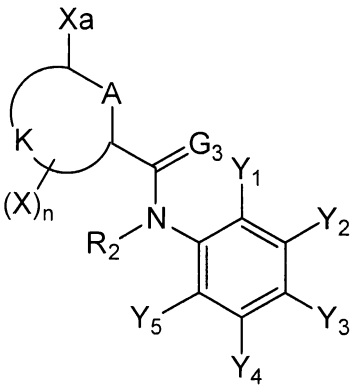
Công thức (57j)

Trong đó R_2, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như R_2, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>.



Công thức (67)

Trong đó LG là nhóm chức có khả năng rời chuyển, như nguyên tử halogen, nhóm hyđroxy, hoặc nhóm tương tự, Xa là nguyên tử clo, nguyên tử brom, hoặc nguyên tử iot, và A, K, X, n, và G_3 lần lượt có các định nghĩa giống như A, K, X, n, và G_3 trong mục <23>.

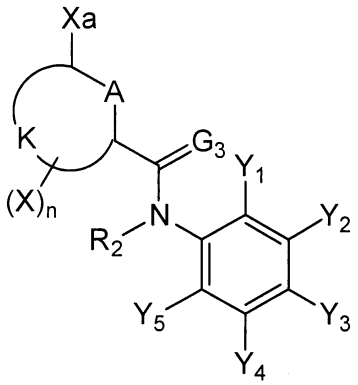


Công thức (68)

Trong đó Xa là nguyên tử clo, nguyên tử brom, hoặc nguyên tử iot, và R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <23>.

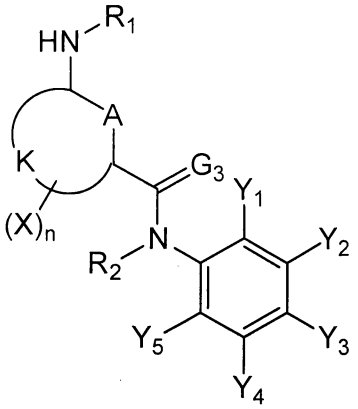
<67> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (65d), bao

gồm bước cho hợp chất được thể hiện bằng Công thức (68) theo mục <65> phản ứng với tác nhân amin hóa:



Công thức (68)

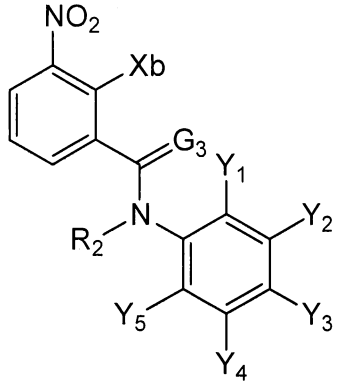
Trong đó Xa là nguyên tử clo, nguyên tử brom, hoặc nguyên tử iot, và R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <23>.



Công thức (65d)

Trong đó R_1, R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như R_1, R_2, A, K, X, n, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <23>.

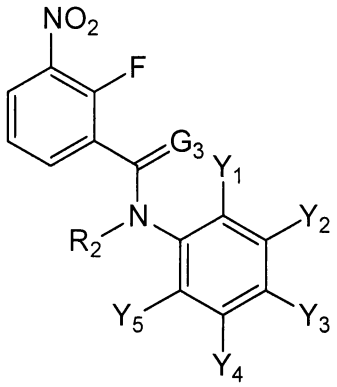
<68> Hợp chất được thể hiện bằng Công thức (70):



Công thức (70)

Trong đó Xb là nguyên tử clo, nguyên tử brom, hoặc nguyên tử iot, và R_2, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 có định nghĩa giống như trong mục <1>.

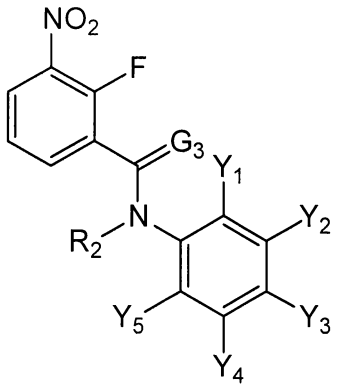
<69> Hợp chất được thể hiện bằng Công thức (72):



Công thức (72)

Trong đó R_2, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như R_2, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>.

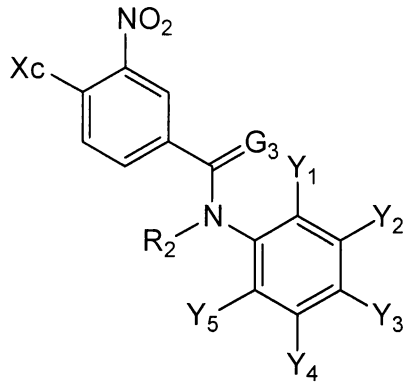
<70> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (72) theo mục <69>, bao gồm bước cho hợp chất được thể hiện bằng Công thức (70) theo mục <68> phản ứng với chất tạo flo:



Công thức (72)

Trong đó R_2, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như R_2, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>.

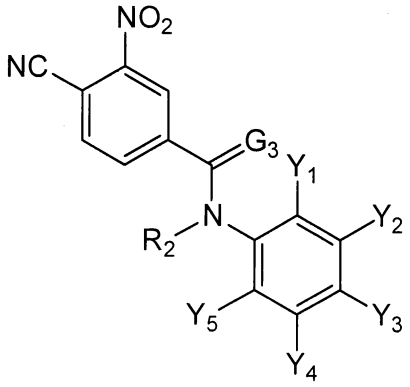
<71> Hợp chất được thể hiện bằng Công thức (73):



Công thức (73)

Trong đó Xc là nguyên tử halogen, và R_2, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như R_2, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <1>.

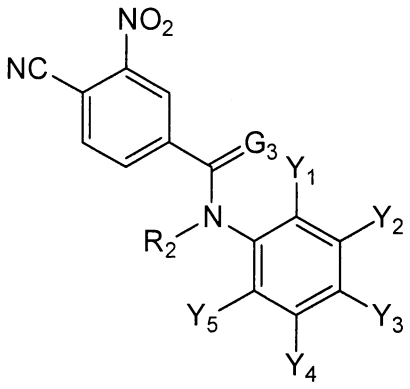
<72> Hợp chất được thể hiện bằng Công thức (75):



Công thức (75)

Trong đó Y_5 là nhóm C_1-C_6 haloalkoxy hoặc nhóm C_1-C_3 haloalkyl, và R_2, G_3, Y_1, Y_2, Y_3, và Y_4 lần lượt có các định nghĩa giống như R_2, G_3, Y_1, Y_2, Y_3, và Y_4 trong mục <1>.

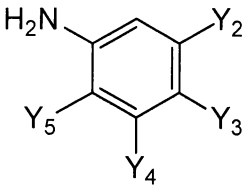
<73> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (75) theo mục <72>, bao gồm bước cho hợp chất được thể hiện bằng Công thức (73) theo mục <71>, trong đó Y_5 là nhóm C_1-C_6 haloalkoxy hoặc nhóm C_1-C_3 haloalkyl, phản ứng với tác nhân xyanat hóa:



Công thức (75)

Trong đó Y_5 là nhóm C_1-C_6 haloalkoxy hoặc nhóm C_1-C_3 haloalkyl, R_2, G_3, Y_1, Y_2, Y_3, và Y_4 lần lượt có các định nghĩa giống như R_2, G_3, Y_1, Y_2, Y_3, và Y_4 trong mục <1>.

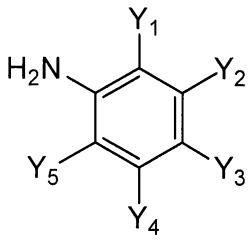
<74> Hợp chất được thể hiện bằng Công thức (56a):



Công thức (56a)

Trong đó Y_5 là nhóm C_1-C_3 haloalkyl, và Y_2, Y_3, và Y_4 lần lượt có các định nghĩa giống như Y_2, Y_3, và Y_4 trong mục <3>.

<75> Hợp chất được thể hiện bằng Công thức (57e):

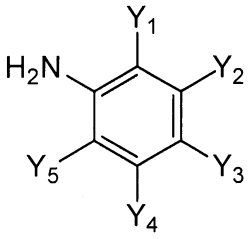


Công thức (57e)

Trong đó Y_5 là nhóm C_1-C_3 haloalkyl, và Y_1, Y_2, Y_3, và Y_4 lần lượt có các định nghĩa giống như Y_1, Y_2, Y_3, và Y_4 theo mục <3>.

<76> Hợp chất theo mục <75>, trong đó trong Công thức (57e), Y_1 là nguyên tử halogen.

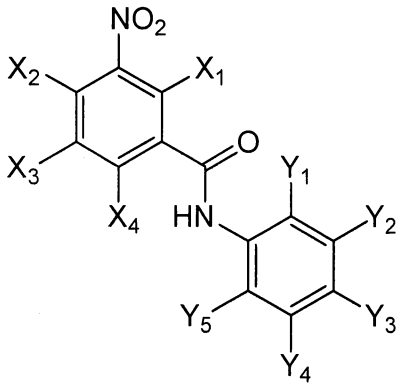
<77> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (57f) theo mục <76>, bao gồm bước cho hợp chất được thể hiện bằng Công thức (56a) theo mục <74> phản ứng với chất halogen hóa:



Công thức (57f)

Trong đó Y_5 là nhóm C_1-C_3 haloalkyl, Y_2, Y_3, và Y_4 lần lượt có các định nghĩa giống như Y_2, Y_3, và Y_4 trong mục <3>, và Y_1 là nguyên tử halogen.

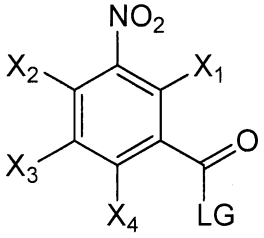
<78> Hợp chất được thể hiện bằng Công thức (60b):



Công thức (60b)

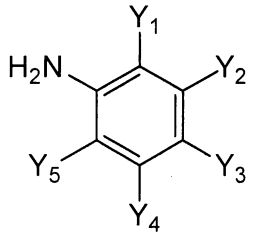
Trong đó X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>. Trong trường hợp trong đó X_1, X_2, X_3, và X_4 tất cả là các nguyên tử hyđro, Y_5 là nhóm C_1-C_3 haloalkyl, và trong trường hợp trong đó X_2 là nhóm xyano, và X_1, X_3, và X_4 là các nguyên tử hyđro, Y_5 là nhóm C_1-C_3 haloalkoxy hoặc nhóm C_1-C_3 haloalkyl.

<79> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (60b) theo mục <78>, bao gồm bước cho hợp chất được thể hiện bằng Công thức (59a) phản ứng với hợp chất được thể hiện bằng Công thức (57g):



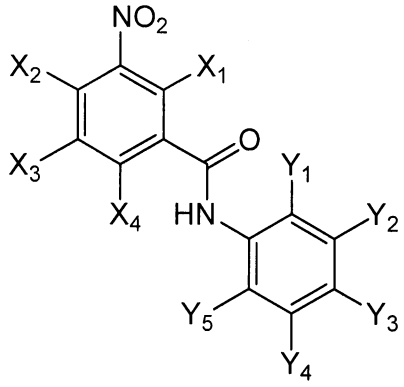
Công thức (59a)

Trong đó LG là nhóm chức có khả năng rời chuyển, như nguyên tử halogen, nhóm hyđroxy, hoặc nhóm tương tự, và X_1, X_2, X_3, và X_4 lần lượt có các định nghĩa giống như X_1, X_2, X_3, và X_4 trong mục <3>.



Công thức (57g)

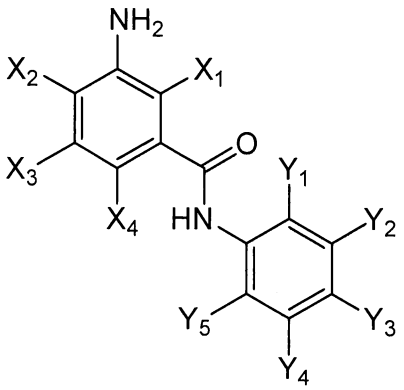
Trong đó Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>.



Công thức (60b)

Trong đó X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>. Trong trường hợp trong đó X_1, X_2, X_3, và X_4 tất cả là các nguyên tử hyđro, Y_5 là nhóm C_1-C_3 haloalkyl, và trong trường hợp trong đó X_2 là nhóm xyano, và X_1, X_3, và X_4 là các nguyên tử hyđro, Y_5 là nhóm C_1-C_3 haloalkoxy hoặc nhóm C_1-C_3 haloalkyl.

<80> Hợp chất được thể hiện bằng Công thức (61f):

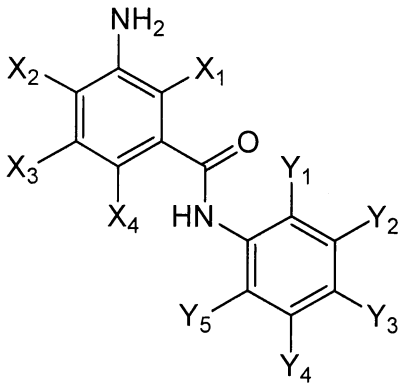


Công thức (61f)

Trong đó X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>. Trong trường hợp trong đó X_1, X_2, X_3, và X_4 tất cả là các nguyên tử hyđro, Y_5 là nhóm C_1-C_3 haloalkyl, và trong

trường hợp trong đó X_2 là nhóm xyano, và X_1, X_3, và X_4 là các nguyên tử hyđro, Y_5 là nhóm C_1-C_3 haloalkoxy hoặc nhóm C_1-C_3 haloalkyl.

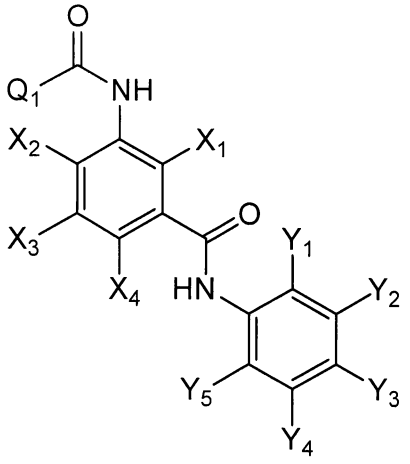
<81> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (61f) theo mục <80>, bao gồm bước cho hợp chất được thể hiện bằng Công thức (60b) theo mục <78> phản ứng với sự có mặt của tác nhân khử:



Công thức (61f)

Trong đó X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>. Trong trường hợp trong đó X_1, X_2, X_3, và X_4 tất cả là các nguyên tử hyđro, Y_5 là nhóm C_1-C_3 haloalkyl, và trong trường hợp trong đó X_2 là nhóm xyano, và X_1, X_3, và X_4 là các nguyên tử hyđro, Y_5 là nhóm C_1-C_3 haloalkoxy hoặc nhóm C_1-C_3 haloalkyl.

<82> Hợp chất được thể hiện bằng Công thức (69a):

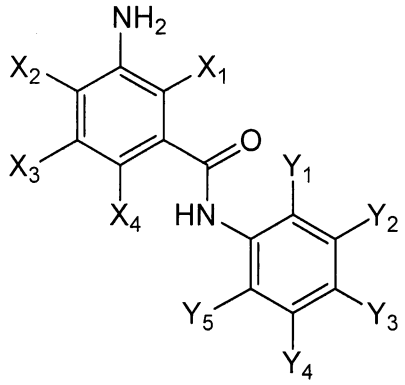


Công thức (69a)

Trong đó Q_1, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như Q_1, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>.

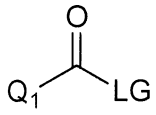
<83> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (69a) theo mục <82>, bao gồm bước cho hợp chất được thể hiện bằng Công thức (61c) phản ứng

với hợp chất được thể hiện bằng Công thức (62a):



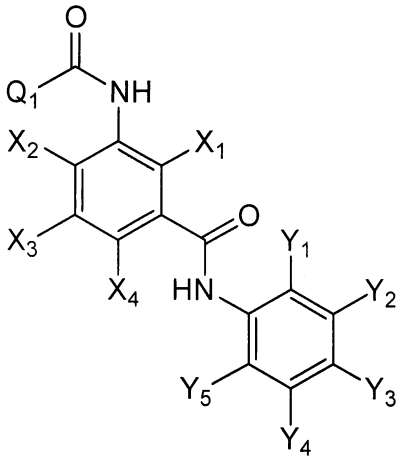
Công thức (61c)

Trong đó X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>.



Công thức (62a)

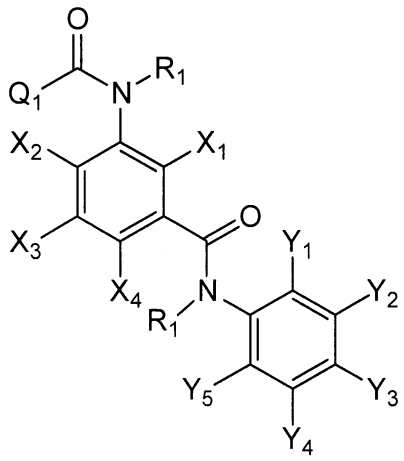
Trong đó LG là nhóm chức có khả năng rời chuyển, như nguyên tử halogen, nhóm hyđroxy, hoặc nhóm tương tự, và Q_1 có định nghĩa giống như Q_1 trong mục <3>.



Công thức (69a)

Trong đó Q_1, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như Q_1, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>.

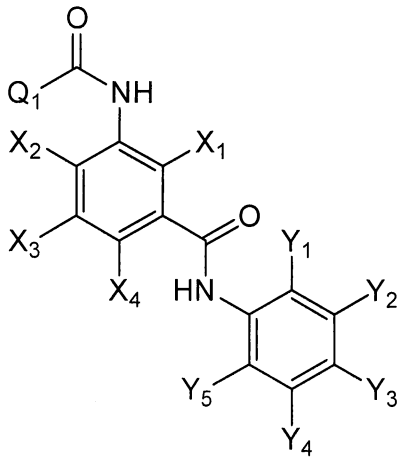
<84> Hợp chất được thể hiện bằng Công thức (53a):



Công thức (53a)

Trong đó Q_1, R_1, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như Q_1, R_1, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>.

<85> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (53b), bao gồm bước cho hợp chất được thể hiện bằng Công thức (69a) theo mục <82> phản ứng với hợp chất được thể hiện bằng Công thức (64a):

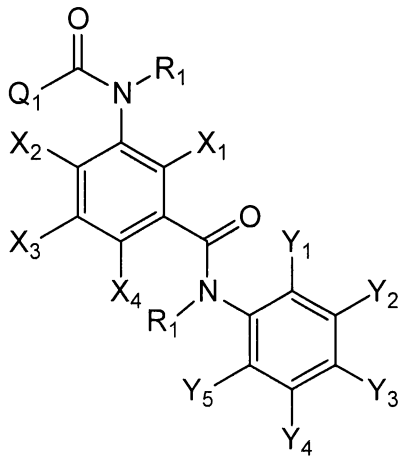


Công thức (69a)

Trong đó Q_1, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như Q_1, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>.

R_1—LG Công thức (64a)

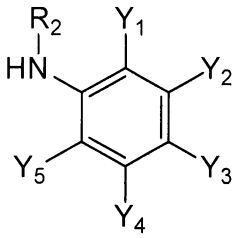
Trong đó LG là nhóm chức có khả năng rời chuyển, như nguyên tử halogen, nhóm hyđroxy, hoặc nhóm tương tự, và R_1 là nhóm C_1-C_3 alkyl.



Công thức (53b)

Trong đó R_1 có định nghĩa giống như R_1 trong Công thức (64a), và Q_1, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như Q_1, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>.

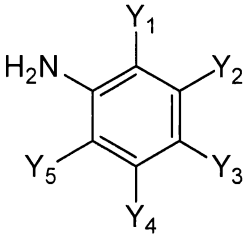
<86> Hợp chất được thể hiện bằng Công thức (57h):



Công thức (57h)

Trong đó Y_5 là nhóm C_1-C_3 haloalkoxy hoặc nhóm C_1-C_3 haloalkyl, R_2 là nhóm C_1-C_3 alkyl, và Y_1, Y_2, Y_3, và Y_4 lần lượt có các định nghĩa giống như Y_1, Y_2, Y_3, và Y_4 trong mục <3>.

<87> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (57h) theo mục <86>, bao gồm bước cho hợp chất được thể hiện bằng Công thức (57l) phản ứng với hợp chất được thể hiện bằng Công thức (66a):

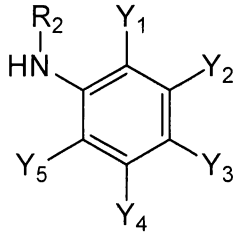


Công thức (57l)

Trong đó Y_5 là nhóm C_1-C_3 haloalkoxy hoặc nhóm C_1-C_3 haloalkyl, và Y_1, Y_2, Y_3, và Y_4 lần lượt có các định nghĩa giống như Y_1, Y_2, Y_3, và Y_4 trong mục <3>.

R_2—LG Công thức (66a)

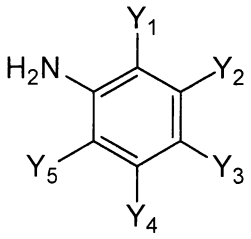
Trong đó LG là nhóm chức có khả năng rời chuyển, như nguyên tử halogen, nhóm hyđroxy, hoặc nhóm tương tự, và R_2 là nhóm C_1-C_3 alkyl.



Công thức (57h)

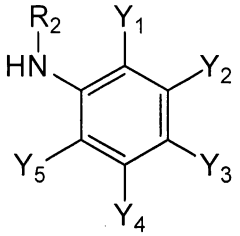
Trong đó Y_5 là nhóm C_1-C_3 haloalkoxy hoặc nhóm C_1-C_3 haloalkyl, R_2 là nhóm C_1-C_3 alkyl, và Y_1, Y_2, Y_3, và Y_4 lần lượt có các định nghĩa giống như Y_1, Y_2, Y_3, và Y_4 trong mục <3>.

<88> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (57h) theo mục <86>, bao gồm bước cho hợp chất được thể hiện bằng Công thức (57l) theo mục <87> phản ứng với alđehyt:



Công thức (57l)

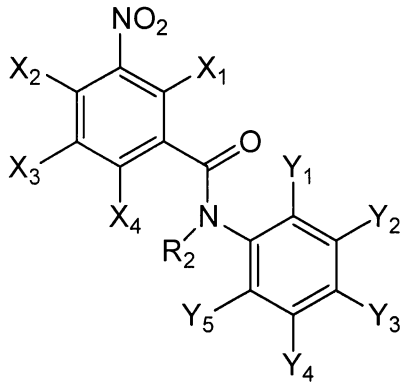
Trong đó Y_5 là nhóm C_1-C_3 haloalkoxy hoặc nhóm C_1-C_3 haloalkyl, và Y_1, Y_2, Y_3, và Y_4 lần lượt có các định nghĩa giống như Y_1, Y_2, Y_3, và Y_4 trong mục <3>.



Công thức (57h)

Trong đó Y_5 là nhóm C_1-C_3 haloalkoxy hoặc nhóm C_1-C_3 haloalkyl, R_2 là nhóm C_1-C_3 alkyl, và Y_1, Y_2, Y_3, và Y_4 lần lượt có các định nghĩa giống như Y_1, Y_2, Y_3, và Y_4 trong mục <3>.

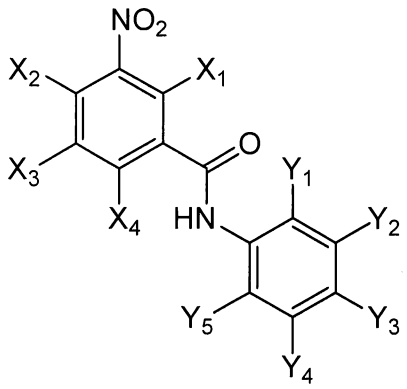
<89> Hợp chất được thể hiện bằng Công thức (60c):



Công thức (60c)

Trong đó R_2 là nhóm C_1-C_3 alkyl, và X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>.

<90> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (60c) theo mục <89>, bao gồm bước cho hợp chất được thể hiện bằng Công thức (60d) phản ứng với hợp chất được thể hiện bằng Công thức (66a) theo mục <87>:

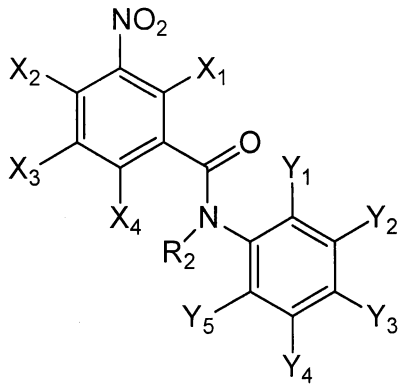


Công thức (60d)

Trong đó X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>.

R_2—LG Công thức (66a)

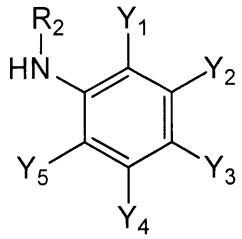
Trong đó LG là nhóm chức có khả năng rời chuyển, như nguyên tử halogen, nhóm hyđroxy, hoặc nhóm tương tự, và R_2 là nhóm C_1-C_3 alkyl.



Công thức (60c)

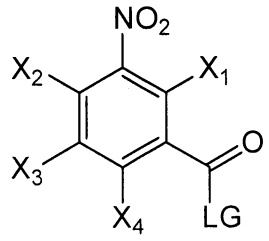
(Trong đó R_2 là nhóm C_1-C_3 alkyl, và X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>.

<91> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (60c) theo mục <89>, bao gồm bước cho hợp chất được thể hiện bằng Công thức (57i) phản ứng với hợp chất được thể hiện bằng Công thức (59a) theo mục <79>:



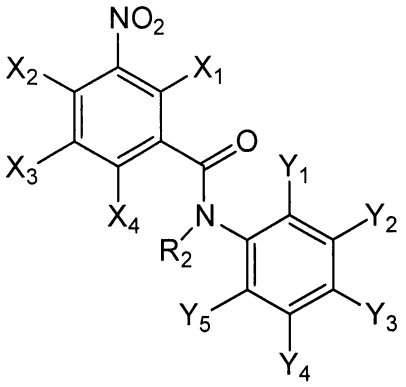
Công thức (57i)

Trong đó R_2 là nhóm C_1-C_3 alkyl, và Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>.



Công thức (59a)

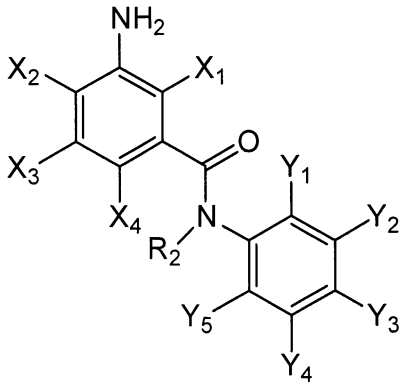
Trong đó LG là nhóm chức có khả năng rời chuyển, như nguyên tử halogen, nhóm hyđroxy, hoặc nhóm tương tự, X_1, X_2, X_3, và X_4 lần lượt có các định nghĩa giống như X_1, X_2, X_3, và X_4 trong mục <3>.



Công thức (60c)

Trong đó R_2 là nhóm C_1-C_3 alkyl, và X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>.

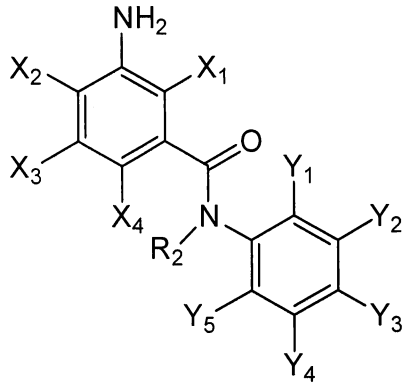
<92> Hợp chất được thể hiện bằng Công thức (61g):



Công thức (61g)

Trong đó R_2 là nhóm C_1-C_3 alkyl, và X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>.

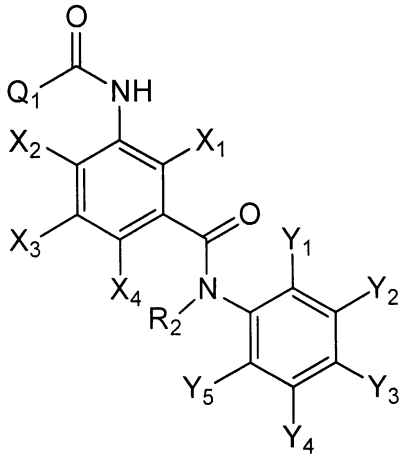
<93> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (61g) theo mục <92>, bao gồm bước cho hợp chất được thể hiện bằng Công thức (60c) theo mục <89> phản ứng với sự có mặt của tác nhân khử:



Công thức (61g)

Trong đó R_2 là nhóm C_1-C_3 alkyl, và X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>.

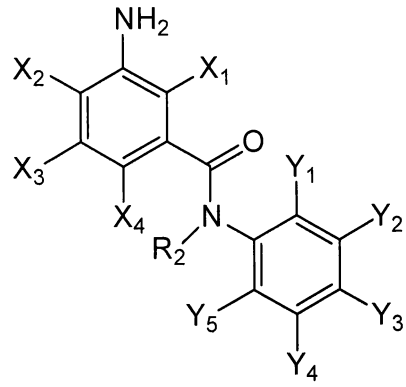
<94> Hợp chất được thể hiện bằng Công thức (63c):



Công thức (63c)

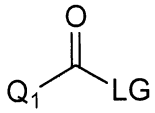
Trong đó Q_1, R_2, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như Q_1, R_2, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>.

<95> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (63c) theo mục <94>, bao gồm bước cho hợp chất được thể hiện bằng Công thức (61d) phản ứng với hợp chất được thể hiện bằng Công thức (62a) theo mục <83>:



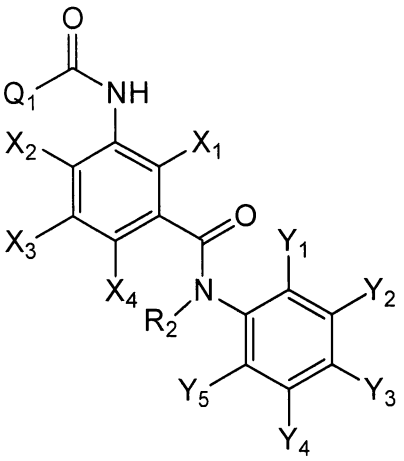
Công thức (61d)

Trong đó R_2, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như R_2, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>.



Công thức (62a)

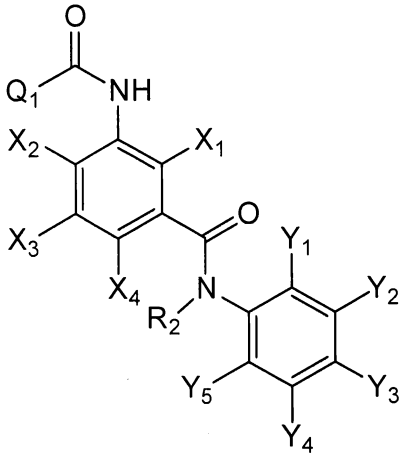
Trong đó LG là nhóm chức có khả năng rời chuyển, như nguyên tử halogen, nhóm hyđroxy, hoặc nhóm tương tự, và Q_1 có định nghĩa giống như Q1 trong mục <3>.



Công thức (63c)

Trong đó Q_1, R_2, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như Q_1, R_2, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>.

<96> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (3a), bao gồm bước cho hợp chất được thể hiện bằng Công thức (63c) theo mục <94> phản ứng với hợp chất được thể hiện bằng Công thức (64a) theo mục <85>:

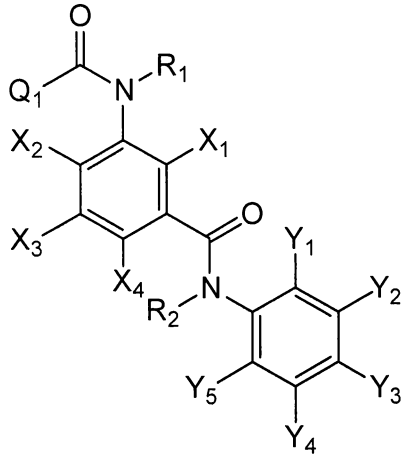


Công thức (63c)

Trong đó Q_1, R_2, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như Q_1, R_2, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>.

R_1—LG Công thức (64a)

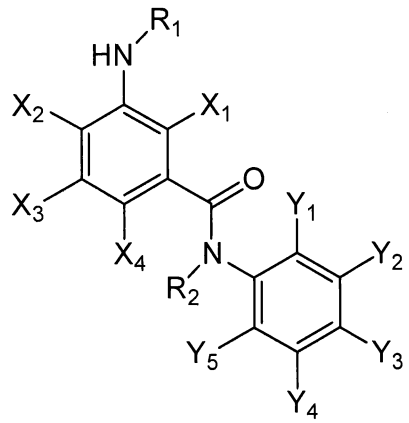
Trong đó LG là nhóm chức có khả năng rời chuyển, như nguyên tử halogen, nhóm hyđroxy, hoặc nhóm tương tự, và R_1 là nhóm C_1-C_3 alkyl.



Công thức (3a)

Trong đó R_1 có định nghĩa giống như R_1 trong Công thức (64a), và Q_1, R_2, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như Q_1, R_2, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>.

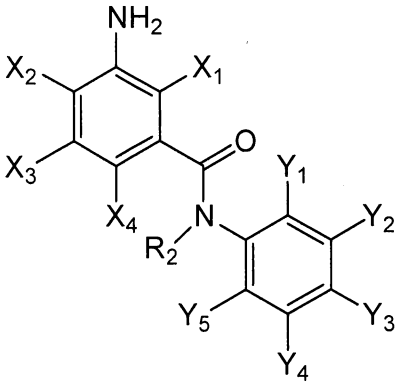
<97> Hợp chất được thể hiện bằng Công thức (65e):



Công thức (65e)

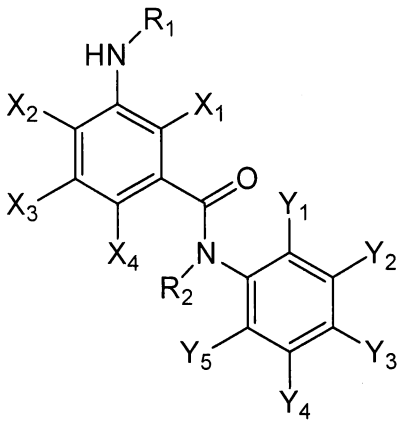
Trong đó R_1, R_2, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như R_1, R_2, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>. Trong trường hợp trong đó X_1, X_2, X_3, và X_4, tất cả là các nguyên tử hyđro, và R_2 là nguyên tử hyđro, Y_5 là nhóm C_1-C_3 haloalkyl, và trong trường hợp trong đó X_2 là nhóm xyano, X_1, X_3, và X_4 là các nguyên tử hyđro, và R_1 và R_2 là các nguyên tử hyđro, Y_5 là nhóm C_1-C_3 haloalkoxy hoặc nhóm C_1-C_3 haloalkyl.

<98> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (65f), bao gồm bước cho hợp chất được thể hiện bằng Công thức (61d) phản ứng với aldehyt:



Công thức (61d)

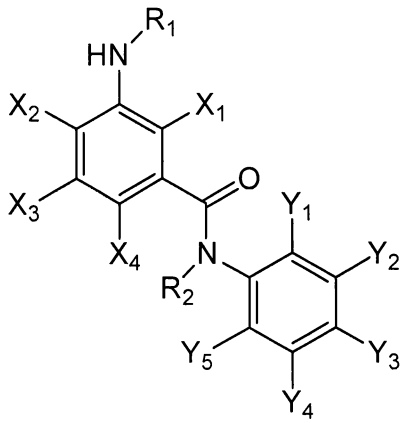
Trong đó R_2, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như R_2, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>.



Công thức (65f)

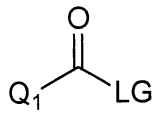
Trong đó R_1 là nhóm C_1-C_3 alkyl, và R_2, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như R_2, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>. Trong trường hợp trong đó X_1, X_2, X_3, và X_4 tất cả là các nguyên tử hyđro, và R_2 là nguyên tử hyđro, Y_5 là nhóm C_1-C_3 haloalkyl.

<99> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (3) theo mục <3>, bao gồm bước cho hợp chất được thể hiện bằng Công thức (65g) phản ứng với hợp chất được thể hiện bằng Công thức (62a) theo mục <83>:



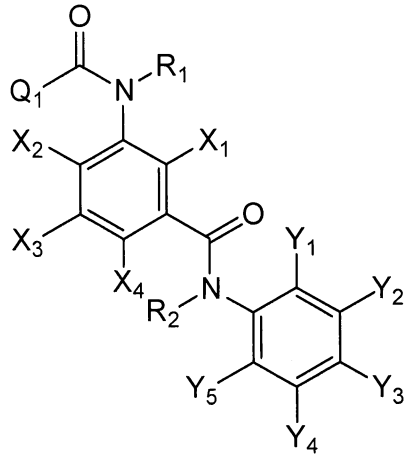
Công thức (65g)

Trong đó R_1, R_2, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như R_1, R_2, X_1, X_2, X_3, X_4, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>.



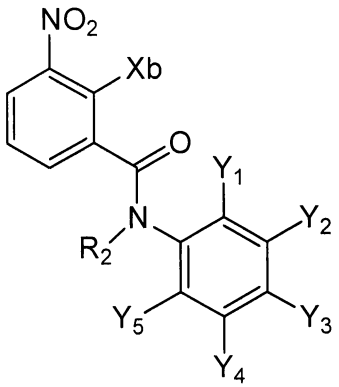
Công thức (62a)

Trong đó LG là nhóm chức có khả năng rời chuyển, như nguyên tử halogen, nhóm hyđroxy, hoặc nhóm tương tự, và Q_1 có định nghĩa giống như Q_1 trong mục <3>.



Công thức (3)

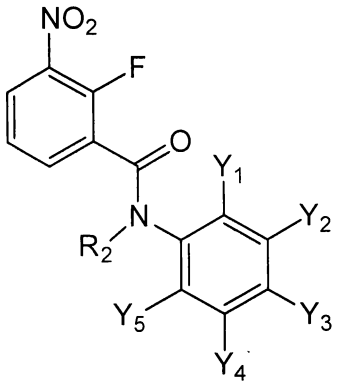
<100> Hợp chất được thể hiện bằng Công thức (70a):



Công thức (70a)

Trong đó Xb là nguyên tử clo, nguyên tử brom, hoặc nguyên tử iot, và R_2, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như R_2, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>.

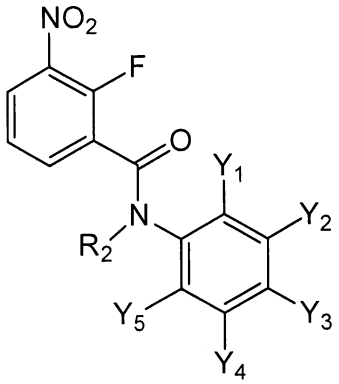
<101> Hợp chất được thể hiện bằng Công thức (72a):



Công thức (72a)

Trong đó R_2, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như R_2, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>.

<102> Phương pháp sản xuất hợp chất được thể hiện bằng Công thức (72a) theo mục <101>, bao gồm bước cho hợp chất được thể hiện bằng Công thức (70a) theo mục <100> phản ứng với chất tạo flo:



Công thức (72a)

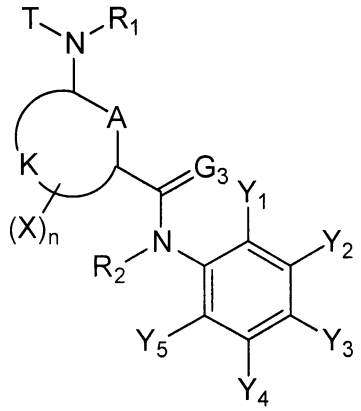
Trong đó R_2, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như R_2, Y_1, Y_2, Y_3, Y_4, và Y_5 trong mục <3>.

Hiệu quả của sáng chế

Theo sáng chế, dẫn xuất amit thể hiện tác dụng diệt loài gây hại chống lại các loài gây hại khác nhau trong nông nghiệp/làm vườn, chất diệt trừ loài gây hại chứa dẫn xuất amit làm hoạt chất, và phương pháp diệt trừ loài gây hại được đề xuất.

Mô tả chi tiết sáng chế

Hợp chất amit theo sáng chế được thể hiện bằng Công thức (1).



Công thức (1)

Trong Công thức (1), A là nguyên tử cacbon, nguyên tử oxy, nguyên tử nitơ, nguyên tử nitơ được oxy hóa, hoặc nguyên tử lưu huỳnh. K là nhóm nguyên tử phi kim cần thiết để tạo thành nhóm liên kết vòng có nguồn gốc từ benzen, pyriđin, pyriđin-N-oxit, pyrimiđin, pyrazin, pyriđazin, triazin, pyrol, pyrazol, imiđazol, oxazol, isoxazol, thiazol, isothiazol, furan, thiophen, oxađiazol, thiođiazol, hoặc triazol, kết hợp với A và hai nguyên tử cacbon mà A liên kết với.

X là nguyên tử hyđro, nguyên tử halogen, nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_3-C_9 xycloalkyl, nhóm C_3-C_9 haloxycloalkyl, nhóm C_2-C_6 alkenyl, nhóm C_2-C_6 haloalkenyl, nhóm C_2-C_6 alkynyl, nhóm C_2-C_6 haloalkynyl, nhóm C_1-C_6 alkoxy, nhóm C_1-C_6 haloalkoxy, nhóm C_1-C_6 alkylthio, nhóm C_1-C_6 haloalkylthio, nhóm C_1-C_6 alkylsulfinyl, nhóm C_1-C_6 haloalkylsulfinyl, nhóm C_1-C_6 alkylsulfonyl, nhóm C_1-C_6 haloalkylsulfonyl, nhóm C_1-C_6 alkylsulfonyloxy, nhóm C_1-C_6 haloalkylsulfonyloxy, nhóm C_2-C_7 alkylcacbonyl, nhóm C_2-C_7 haloalkylcacbonyl, nhóm C_2-C_7 alkylcacbonyloxy, nhóm C_2-C_7 haloalkylcacbonyloxy, nhóm arylcacbonyloxy, nhóm C_2-C_7 alkoxycacbonyl, nhóm C_2-C_7 haloalkoxycacbonyl, nhóm C_2-C_7 alkylcacbonylamino, nhóm C_2-C_7 haloalkylcacbonylamino, nhóm C_2-C_7 alkoxycacbonylamino, nhóm C_2-C_7 haloalkoxycacbonylamino, nhóm C_2-C_7 alkoxycacbonyloxy, nhóm C_2-C_7 haloalkoxycacbonyloxy, nhóm arylcacbonylamino, nhóm amino, nhóm carbamoyl, nhóm xyano, nhóm hyđroxy, nhóm pentaflosulfanyl, nhóm C_1-C_6 alkylamino, nhóm C_1-C_6 haloalkylamino, nhóm C_2-C_6 alkenylamino,

nhóm C_2-C_6 haloalkenylamino, nhóm C_2-C_6 alkynylamino, nhóm C_2-C_6 haloalkynylamino, nhóm C_3-C_9 xycloalkylamino, nhóm C_3-C_9 haloxycloalkylamino, nhóm C_2-C_7 alkylaminocacbonyl, nhóm C_2-C_7 haloalkylaminocacbonyl, nhóm C_3-C_7 alkenylaminocacbonyl, nhóm C_3-C_7 haloalkenylaminocacbonyl, nhóm C_3-C_7 alkynylaminocacbonyl, nhóm C_3-C_7 haloalkynylaminocacbonyl, nhóm C_4-C_{10} xycloalkylaminocacbonyl, nhóm C_4-C_{10} haloxycloalkylaminocacbonyl, nhóm phenyl, hoặc nhóm dị vòng, và khi có nhiều X, mỗi X có thể giống nhau hoặc khác nhau.

n là số nguyên nằm trong khoảng từ 0 đến 4. T là $-C(=G_1)-Q_1$ hoặc $-C(=G_1)-G_2Q_2$. Mỗi G_1 và G_2 độc lập là nguyên tử oxy hoặc nguyên tử lưu huỳnh, và Q_1 và Q_2 là nguyên tử hyđro, nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_2-C_6 alkenyl, nhóm C_2-C_6 haloalkenyl, nhóm C_2-C_6 alkynyl, nhóm C_2-C_6 haloalkynyl, nhóm C_3-C_9 xycloalkyl, nhóm C_3-C_9 haloxycloalkyl, nhóm benzyl, nhóm phenyl mà có thể có phần tử thế, nhóm naphtyl, hoặc nhóm dị vòng mà có thể có phần tử thế.

mỗi Y1 và Y5 độc lập là nguyên tử halogen, nhóm C_1-C_6 haloalkoxy, hoặc nhóm C_1-C_3 haloalkyl, mỗi Y_2 và Y_4 độc lập là nguyên tử hyđro, nguyên tử halogen, hoặc nhóm C_1-C_4 alkyl, Y_3 là nhóm C_2-C_5 haloalkyl.

Ngoài ra, trong Q_1 và Q_2, phần tử thế của nhóm phenyl mà có thể có phần tử thế và nhóm dị vòng mà có thể có phần tử thế là một hoặc nhiều phần tử thế được chọn từ nhóm bao gồm nguyên tử halogen, nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_3-C_9 xycloalkyl, nhóm C_3-C_9 haloxycloalkyl, nhóm C_2-C_6 alkenyl, nhóm C_2-C_6 haloalkenyl, nhóm C_2-C_6 alkynyl, nhóm C_2-C_6 haloalkynyl, nhóm C_1-C_6 alkoxy, nhóm C_1-C_6 haloalkoxy, nhóm C_1-C_6 alkylthio, nhóm C_1-C_6 haloalkylthio, nhóm C_1-C_6 alkylsulfinyl, nhóm C_1-C_6 haloalkylsulfinyl, nhóm C_1-C_6 alkylsulfonyl, nhóm C_1-C_6 haloalkylsulfonyl, nhóm C_2-C_7 alkylcacbonyl, nhóm C_2-C_7 haloalkylcacbonyl, nhóm C_2-C_7 alkylcacbonyloxy, nhóm C_2-C_7 haloalkylcacbonyloxy, nhóm C_1-C_6 alkylsulfonyloxy, nhóm C_1-C_6 haloalkylsulfonyloxy, nhóm C_2-C_7 alkoxycacbonyl, nhóm C_2-C_7 haloalkoxycacbonyl, nhóm C_2-C_7 alkylcacbonylamino, nhóm C_2-C_7 haloalkylcacbonylamino, nhóm C_2-C_7 alkoxycacbonylamino, nhóm C_2-C_7 haloalkoxycacbonylamino, nhóm C_1-C_6 alkylamino, nhóm C_1-C_6 haloalkylamino, nhóm C_2-C_6 alkenylamino, nhóm C_2-C_6 haloalkenylamino, nhóm C_2-C_6 alkynylamino, nhóm C_2-C_6 haloalkynylamino, nhóm C_3-C_9 xycloalkylamino, nhóm C_3-C_9 haloxycloalkylamino, nhóm C_2-C_7 alkylaminocacbonyl, nhóm C_2-C_7

haloalkylaminocacbonyl, nhóm C_3-C_7 alkenylaminocacbonyl, nhóm C_3-C_7 haloalkenylaminocacbonyl, nhóm C_3-C_7 alkynylaminocacbonyl, nhóm C_3-C_7 haloalkynylaminocacbonyl, nhóm C_4-C_{10} xycloalkylaminocacbonyl, nhóm C_4-C_{10} haloxycloalkylaminocacbonyl, nhóm amino, nhóm carbamoyl, nhóm xyano, nhóm nitro, nhóm hyđroxy, nhóm pentaflosulfanyl, nhóm phenyl mà có thể có phần tử thế, và nhóm dị vòng mà có thể có phần tử thế, và khi có hai hoặc nhiều phần tử thế, mỗi phần tử thế có thể giống nhau hoặc khác nhau.

Ngoài ra, nhóm dị vòng trong X, Q_1, và Q_2 là nhóm pyriđyl, nhóm pyriđin-N-oxit, nhóm pyrimiđinyl, nhóm pyrazinyl, nhóm pyriđazyl, nhóm furyl, nhóm thienyl, nhóm oxazolyl, nhóm isoxazolyl, nhóm oxađiazolyl, nhóm thiazolyl, nhóm isothiazolyl, nhóm thiađiazolyl, nhóm pyrolyl, nhóm imiđazolyl, nhóm triazolyl, nhóm pyrazolyl, hoặc nhóm tetrazolyl.

G_3 là nguyên tử oxy hoặc nguyên tử lưu huỳnh.

Mỗi R_1 và R_2 độc lập là nguyên tử hyđro, nguyên tử oxy, nguyên tử halogen, nhóm hyđroxy, nhóm nitro, nhóm nitroso, nhóm trimetylsilyl, nhóm t-butylđimetylsilyl, nhóm xyano, nhóm amino, nhóm C_1-C_6 alkyl mà có thể có phần tử thế, nhóm C_1-C_6 haloalkyl mà có thể có phần tử thế, nhóm C_2-C_7 alkylcacbonyl, nhóm C_2-C_7 haloalkylcacbonyl, nhóm C_2-C_6 alkenyl mà có thể có phần tử thế, nhóm C_2-C_6 haloalkenyl mà có thể có phần tử thế, nhóm C_2-C_6 alkynyl mà có thể có phần tử thế, nhóm C_2-C_6 haloalkynyl mà có thể có phần tử thế, nhóm C_2-C_7 alkoxycacbonyl, nhóm C_2-C_7 haloalkoxycacbonyl, nhóm C_3-C_7 alkenyloxycacbonyl, nhóm C_3-C_7 haloalkenyloxycacbonyl, nhóm C_3-C_7 alkynyloxycacbonyl, nhóm C_3-C_7 haloalkynyloxycacbonyl, nhóm phenoxycacbonyl, nhóm C_2-C_7 alkylaminocacbonyl, nhóm C_2-C_7 haloalkylaminocacbonyl, nhóm C_2-C_7 alkylcacbonyloxy, nhóm C_2-C_7 haloalkylcacbonyloxy, nhóm benzoyl, nhóm C_1-C_6 alkoxy, nhóm C_1-C_6 haloalkoxy, nhóm C_1-C_6 alkylthio, nhóm C_1-C_6 haloalkylthio, nhóm C_1-C_6 alkylsulfinyl, nhóm C_1-C_6 haloalkylsulfinyl, nhóm C_1-C_6 alkylsulfonyl, nhóm C_1-C_6 haloalkylsulfonyl, nhóm benzensulfonyl, nhóm benzylsulfonyl, nhóm benzyl, hoặc -C(=O)C(=O)R_7 (trong đó R_7 là nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_1-C_6 alkoxy, hoặc nhóm C_1-C_6 haloalkoxy).

Tuy nhiên, dẫn xuất amit được thể hiện bằng Công thức (1) không phải là một

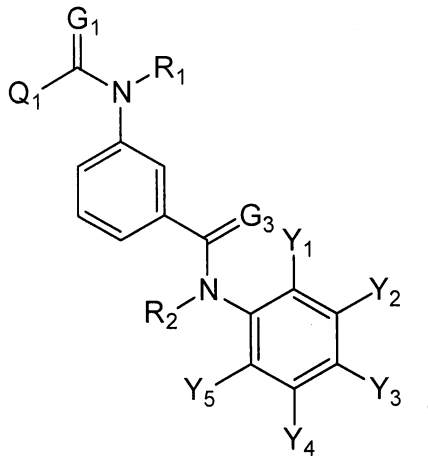
trong số các dẫn xuất từ (A) đến (I) sau:

(A) Trường hợp trong đó trong Công thức (1), K là nhóm nguyên tử phi kim cần thiết để tạo thành nhóm liên kết vòng có nguồn gốc từ pyriđin kết hợp với A và hai nguyên tử cacbon mà A liên kết với, Y_1 là nguyên tử halogen, và Y_5 là nhóm C_1-C_6 haloalkoxy, và T là -C(=G_1)-Q_1.

(B) Trường hợp trong đó trong Công thức (1), K là nhóm nguyên tử phi kim cần thiết để tạo thành nhóm liên kết vòng có nguồn gốc từ pyrol, pyrazol, imiđazol, oxazol, isoxazol, thiazol, isothiazol, furan, thiophen, oxađiazol, thiođiazol, hoặc triazol, kết hợp với A và hai nguyên tử cacbon mà A liên kết với, mỗi Y_1 và Y_5 độc lập là nguyên tử halogen, và T là -C(=G_1)-G_2Q_2.

(C) Trường hợp trong đó trong Công thức (1), K là nhóm nguyên tử phi kim cần thiết để tạo thành nhóm liên kết vòng có nguồn gốc từ pyrol, pyrazol, imiđazol, oxazol, isoxazol, thiazol, isothiazol, furan, thiophen, oxađiazol, thiođiazol, hoặc triazol, kết hợp với A và hai nguyên tử cacbon mà A liên kết với, T là -C(=G_1)-Q_1, Y_1 là nguyên tử halogen, và Y_5 là nguyên tử halogen hoặc nhóm haloalkoxy.

(D) Trường hợp trong đó dẫn xuất amit là hợp chất amit được thể hiện bằng Công thức (2):

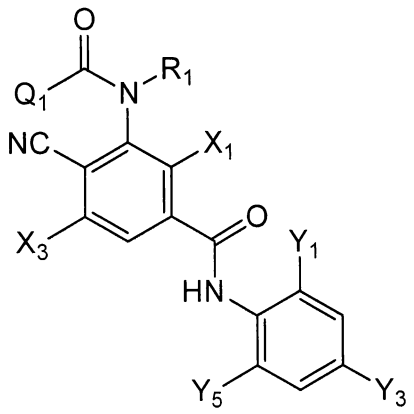


Công thức (2)

Trong Công thức (2), Y_2 đến Y_4, Q_1, G_1, G_3, R_1, và R_2 lần lượt có các định nghĩa giống như Y_2 đến Y_4, Q_1, G_1, G_3, R_1, và R_2 trong Công thức (1), Y_1 là nguyên tử halogen, và Y_5 là nhóm C_1-C_2 haloalkoxy.

(E) Trường hợp trong đó trong Công thức (2), Y_1 và Y_5 là nguyên tử halogen, tất cả các X là các nguyên tử hyđro, và Y_3 là nhóm C_2-C_3 haloalkyl.

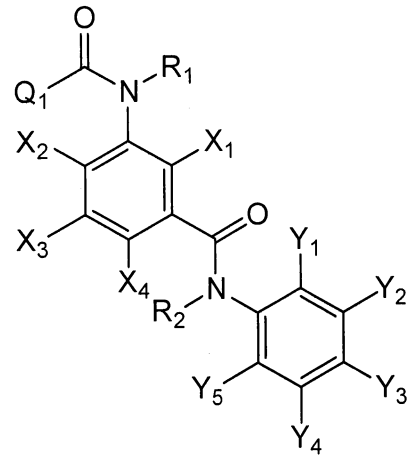
(F) Trường hợp trong đó dẫn xuất amit là dẫn xuất amit được thể hiện bằng Công thức (3)



Công thức (3)

Trong Công thức (3), mỗi Y1 và Y5 độc lập là nguyên tử halogen, mỗi X_1 và X_3 độc lập là nguyên tử hyđro hoặc nguyên tử flo, Q_1 có định nghĩa giống như Q_1 trong Công thức (1), R_1 là nguyên tử hyđro hoặc nhóm metyl, và Y_3 là nhóm C_3-C_4 perfloalkyl.

(G) Trường hợp trong đó dẫn xuất amit là dẫn xuất amit được thể hiện bằng Công thức (4):



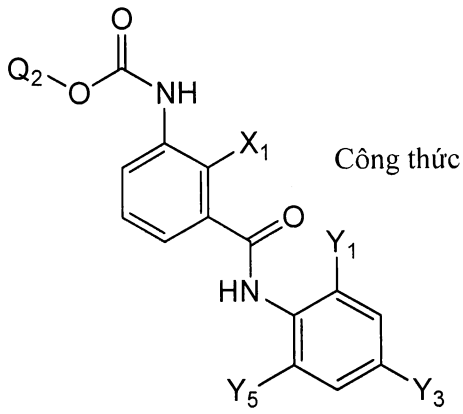
Công thức (4)

Trong Công thức (4), X_1 là nguyên tử flo, X_2, X_3, và X_4 là các nguyên tử hyđro, Y_1 và Y_5 là khác nhau và là nguyên tử brom hoặc nhóm triflometoxy, Y_2 và Y_4 là các nguyên tử hyđro, Y_3 là nhóm heptafloisopropyl, Q_1 là nhóm phenyl hoặc nhóm 2-clopyriđin-3-yl, và R_1 và R_2 là khác nhau, và là nguyên tử hyđro hoặc nhóm metyl.

Theo cách khác, X_1 là nguyên tử flo, X_2, X_3, và X_4 là các nguyên tử hyđro, Y_1

và Y_5 là các nguyên tử brom, Y_2 và Y_4 là các nguyên tử hyđro, Y_3 là nhóm pentafloetyl, Q_1 là nhóm 2-flophenyl, và mỗi R_1 và R_2 độc lập là nguyên tử hyđro hoặc nhóm metyl.

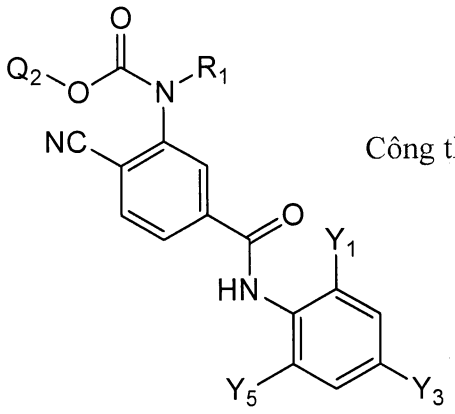
(H) Trường hợp trong đó dẫn xuất amit là dẫn xuất amit được thể hiện bằng Công thức (5):



Công thức (5)

Trong Công thức (5), mỗi Y_1 và Y_5 độc lập là nguyên tử halogen, X_1 là nguyên tử hyđro hoặc nguyên tử flo, Q_2 là nhóm 2,2,2-tricloetyl hoặc nhóm 3,3,3-triflo-n-propyl, và Y_3 là nhóm C_2-C_4 haloalkyl.

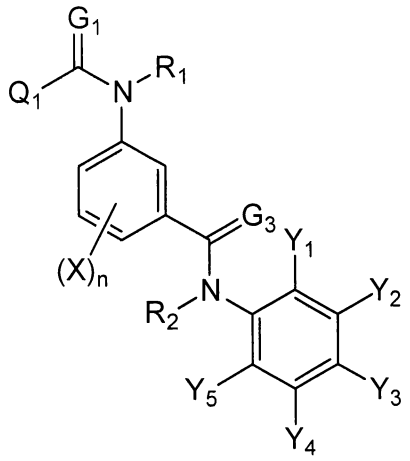
(I) Trường hợp trong đó dẫn xuất amit là dẫn xuất amit được thể hiện bằng Công thức (6)



Công thức (6)

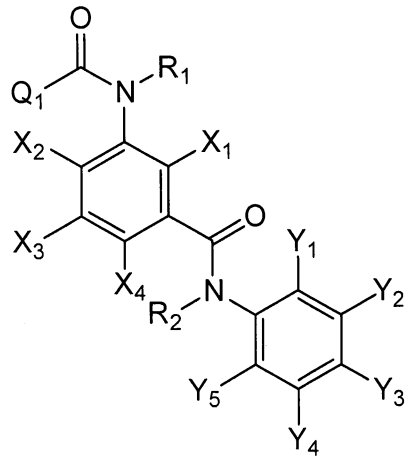
Trong Công thức (6), mỗi Y_1 và Y_5 độc lập là nguyên tử halogen, Q_2 có định nghĩa giống như Q_2 trong Công thức (1), R_1 là nguyên tử hyđro hoặc nhóm metyl, và Y_3 là nhóm C_3-C_4 haloalkyl.

Theo khía cạnh về hoạt tính diệt trừ loài gây hại, dẫn xuất amit tốt hơn được thể hiện bằng Công thức (7), và tốt hơn nữa nếu được thể hiện bằng Công thức (8).



Công thức (7)

Trong Công thức (7), X, n là 4, Y_1 đến Y_5, Q_1, G_1, G_3, R_1, và R_2 lần lượt có các định nghĩa giống như X, Y_1 đến Y_5, Q_1, G_1, G_3, R_1, và R_2 trong Công thức (1).



Công thức (8)

Trong Công thức (8), Q_1 là nhóm phenyl mà có thể có phần tử thế hoặc nhóm pyriđyl mà có thể có phần tử thế. Mỗi X_1, X_2, X_3 và X_4 độc lập là các nguyên tử hyđro hoặc các nguyên tử flo. Mỗi R_1 và R_2 độc lập là các nguyên tử hyđro hoặc nhóm C_1-C_3 alkyl.

Mỗi Y_1 và Y_5 độc lập là nguyên tử halogen, các nhóm C_1-C_3 haloalkoxyl, hoặc nhóm C_1-C_3 haloalkyl, mỗi Y_2 và Y_4 độc lập là các nguyên tử hyđro, nguyên tử halogen, các nhóm C_1-C_4 alkyl, và Y_3 là nhóm C_3-C_4 haloalkyl.

Trong trường hợp trong đó Y_1 và Y_5 đồng thời là nguyên tử halogen, ít nhất một trong số X_1 và X_2 là nguyên tử flo. Ngoài ra, trong trường hợp trong đó Y_1 hoặc Y_5 là nhóm C_1-C_3 haloalkoxy, X_2 là nguyên tử flo.

Các thuật ngữ được sử dụng trong các công thức gồm Công thức (1) và dạng tương tự theo sáng chế, có các nghĩa giống như được mô tả dưới đây trong các định nghĩa.

Thuật ngữ "nguyên tử halogen" là nguyên tử flo, nguyên tử clo, nguyên tử brom, hoặc nguyên tử iot.

Cụm "Ca-Cb (trong đó a và b là số nguyên bằng 1 hoặc lớn hơn)", ví dụ, "C_1-C_3" có nghĩa là số nguyên tử cacbon từ 1 tới 3, "C_2-C_6" có nghĩa là số nguyên tử cacbon có từ 2 đến 6, và "C_1-C_4" có nghĩa là số nguyên tử cacbon có từ 1 đến 4.

"n-" có nghĩa là bình thường, "i-" có nghĩa là iso, "s-" có nghĩa là bậc hai, và "t-" có nghĩa là bậc ba.

Thuật ngữ "nhóm C_1-C_3 alkyl " theo sáng chế là, ví dụ, nhóm alkyl mạch thẳng hoặc mạch nhánh có từ 1 tới 3 nguyên tử cacbon như metyl, etyl, n-propyl, i-propyl, và dạng tương tự.

Thuật ngữ "nhóm C_1-C_3 haloalkyl" là, ví dụ, nhóm alkyl mạch thẳng hoặc mạch nhánh có từ 1 tới 3 nguyên tử cacbon, mà được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau, như triflometyl, pentafloetyl, heptaflo-n-propyl, heptaflo-i-propyl, 2,2-đifloetyl, 2,2-đicloetyl, 2,2,2-trifloetyl, 2-floetyl, 2-cloetyl, 2-brometyl, 2-iođoetyl, 2,2,2-tricloetyl, 2,2,2-tribrometyl, 1,3-điflo-2-propyl, 1,3-điclo-2-propyl, 1-clo-3-flo-2-propyl, 1,1,1-triflo-2-propyl, 2,3,3,3-triflo-n-propyl, 1,1,1,3,3,3-hexaflo-2-propyl, 1,1,1,3,3,3-hexaflo-2-clo-2-propyl, 1,1,1,3,3,3-hexaflo-2-brom-2-propyl, 1,1,2,3,3,3-hexaflo-2-clo-n-propyl, 1,1,2,3,3,3-hexaflo-2-brom-n-propyl, 1,1,2,3,3,3-hexaflo-1-brom-2-propyl, 2,2,3,3,3-pentaflo-n-propyl, 3-flo-n-propyl, 3-clo-n-propyl, 3-brom-n-propyl, và nhóm tương tự.

Thuật ngữ "nhóm C_1-C_4 alkyl" là, ví dụ, nhóm alkyl mạch thẳng hoặc mạch nhánh có từ 1 đến 4 nguyên tử cacbon như metyl, etyl, n-propyl, i-propyl, n-butyl, s-butyl, t-butyl, và nhóm tương tự.

Thuật ngữ "nhóm C_1-C_3 haloalkoxy" là, ví dụ, nhóm alkoxy mạch thẳng hoặc mạch nhánh có từ 1 tới 3 nguyên tử cacbon, mà được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau, như triflometoxy, pentafloetoxy, heptaflo-n-propyloxy, heptaflo-i-propyloxy, 2,2-đifloetoxy, 2,2-đicloetoxy, 2,2,2-

trifloetoxy, 2-floetoxy, 2-cloetoxy, 2-brometoxy, 2-iođoetoxy, 2,2,2-tricloetoxy, 2,2,2-tribrometoxy, 1,3-điflo-2-propyloxy, 1,3-điclo-2-propyloxy, 1-clo-3-flo-2-propyloxy, 1,1,1-triflo-2-propyloxy, 2,3,3,3-triflo-n-propyloxy, 1,1,1,3,3,3-hexaflo-2-propyloxy, 1,1,1,3,3,3-hexaflo-2-clo-2-propyloxy, 1,1,1,3,3,3-hexaflo-2-brom-2-propyloxy, 1,1,2,3,3,3-hexaflo-2-clo-n-propyloxy, 1,1,2,3,3,3-hexaflo-2-brom-n-propyloxy, 1,1,2,3,3,3-hexaflo-1-brom-2-propyloxy, 2,2,3,3,3-pentaflo-n-propyloxy, 3-flo-n-propyloxy, 3-clo-n-propyloxy, 3-brom-n-propyloxy, và nhóm tương tự.

Thuật ngữ "nhóm C_3-C_4 perfloalkyl" là, ví dụ, nhóm alkyl mạch thẳng hoặc mạch nhánh có từ 3 đến 4 nguyên tử cacbon, mà tất cả các nguyên tử hyđro được thế bằng các nguyên tử flo như perflo-n-propyl, perflo-i-propyl, perflo-n-butyl, perflo-i-butyl, perflo-s-butyl, perflo-t-butyl, và nhóm tương tự.

Thuật ngữ "nhóm C1 haloalkyl" là, ví dụ, nhóm metyl mà được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau, như triflometyl, 1,1-điflo-1-brommetyl, và nhóm tương tự.

Thuật ngữ "nhóm C_1-C_6 alkyl" theo sáng chế là, ví dụ, nhóm alkyl mạch thẳng hoặc mạch nhánh có từ 1 đến 6 nguyên tử cacbon như metyl, etyl, n-propyl, i-propyl, n-butyl, s-butyl, t-butyl, n-pentyl, 2-pentyl, neopentyl, 4-metyl-2-pentyl, n-hexyl, 3-metyl-n-pentyl, và nhóm tương tự.

Thuật ngữ "nhóm C_1-C_6 haloalkyl" là, ví dụ, nhóm alkyl mạch thẳng hoặc mạch nhánh có từ 1 đến 6 nguyên tử cacbon, mà được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau, như triflometyl, pentafloetyl, heptaflo-n-propyl, heptaflo-i-propyl, 2,2-đifloetyl, 2,2-đicloetyl, 2,2,2-trifloetyl, 2-floetyl, 2-cloetyl, 2-brometyl, 2-iođoetyl, 2,2,2-tricloetyl, 2,2,2-tribrometyl, 1,3-điflo-2-propyl, 1,3-điclo-2-propyl, 1-clo-3-flo-2-propyl, 1,1,1-triflo-2-propyl, 2,3,3,3-triflo-n-propyl, 4,4,4-triflo-n-butyl, 1,1,1,3,3,3-hexaflo-2-propyl, 1,1,1,3,3,3-hexaflo-2-clo-2-propyl, 1,1,1,3,3,3-hexaflo-2-brom-2-propyl, 1,1,2,3,3,3-hexaflo-2-clo-n-propyl, 1,1,2,3,3,3-hexaflo-2-brom-n-propyl, 1,1,2,3,3,3-hexaflo-1-brom-2-propyl, 2,2,3,3,3-pentaflo-n-propyl, 3-flo-n-propyl, 3-clo-n-propyl, 3-brom-n-propyl, 3,3,4,4,4-pentaflo-2-butyl, nonaflo-n-butyl, nonaflo-2-butyl, 5,5,5-triflo-n-pentyl, 4,4,5,5,5-pentaflo-2-pentyl, 3-clo-n-pentyl, 4-brom-2-pentyl, và nhóm tương tự.

Thuật ngữ "nhóm C_3-C_9 xycloalkyl" là, ví dụ, nhóm xycloalkyl có từ 3 đến 9 nguyên tử cacbon, mà có cấu trúc vòng, như xyclopropyl, xyclobutyl, xyclopentyl, 2-metylxyclopentyl, 3-metylxyclopentyl, xyclohexyl, 2-metylxyclohexyl, 3-metylxyclohexyl, 4-metylxyclohexyl, và nhóm tương tự.

Thuật ngữ "nhóm C_3-C_9 haloxycloalkyl" là, ví dụ, nhóm xycloalkyl có 3 đến 9 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau và có cấu trúc vòng, như, 2,2,3,3-tetrafloxyclobutyl, 2-cloxyclohexyl, 4-cloxyclohexyl, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_6 alkenyl" là, ví dụ, nhóm alkenyl có từ 2 đến 6 nguyên tử cacbon, có liên kết đôi trong mạch cacbon, như vinyl, alyl, 2-butenyl, 3-butenyl, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_6 haloalkenyl" là, ví dụ, nhóm alkenyl mạch thẳng hoặc mạch nhánh có từ 2 đến 6 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau và có liên kết đôi trong mạch cacbon, như 3,3-điflo-2-propenyl, 3,3-điclo-2-propenyl, 3,3-đibrom-2-propenyl, 2,3-đibrom-2-propenyl, 4,4-điflo-3-butenyl, 3,4,4-tribrom-3-butenyl, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_6 alkynyl" là, ví dụ, nhóm alkynyl có từ 2 đến 6 nguyên tử cacbon, mà có liên kết ba trong mạch cacbon, như propargyl, 1-butyn-3-yl, 1-butyn-3-metyl-3-yl, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_6 haloalkynyl" là, ví dụ, nhóm alkynyl mạch thẳng hoặc mạch nhánh có từ 2 đến 6 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau và có liên kết ba trong mạch cacbon, như floetynyl, cloetynyl, brometynyl, 3,3,3-triflo-1-propynyl, 3,3,3-triclo-1-propynyl, 3,3,3-tribrom-1-propynyl, 4,4,4-triflo-1-butynyl, 4,4,4-triclo-1-butynyl, 4,4,4-tribrom-1-butynyl, và nhóm tương tự.

Thuật ngữ "nhóm C_1-C_6 alkoxy" là ,ví dụ, nhóm alkoxy mạch thẳng, mạch nhánh hoặc mạch vòng có từ 1 đến 6 nguyên tử cacbon, như metoxy, etoxy, n-propyloxy, i-propyloxy, xyclopropoxy, n-butoxy, s-butoxy, i-butoxy, t-butoxy, n-pentyloxy, i-pentyloxy, n-hexyloxy, xyclohexyloxy, và nhóm tương tự.

Thuật ngữ "nhóm C_1-C_6 haloalkoxy" là, ví dụ, nhóm alkoxy mạch thẳng, mạch

nhánh hoặc mạch vòng có từ 1 đến 6 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau, như triflometoxy, pentafloetoxy, 2-cloetoxy, 2,2,2-trifloetoxy, heptaflo-n-propoxy, heptaflo-i-propoxy, 1,1,1,3,3,3-hexaflo-2-propoxy, 3-flo-n-propoxy, 1-cloxyclopropoxy, 2-bromxyclopropoxy, 3,3,4,4,4-pentaflo-2-butoxy, nonaflo-n-butoxy, nonaflo-2-butoxy, 5,5,5-triflo-n-pentyloxy, 4,4,5,5,5-pentaflo-2-pentyloxy, 3-clo-n-pentyloxy, 4-brom-2-pentyloxy, 4-clobutyloxy, 2-iođo-n-propyloxy, và nhóm tương tự.

Thuật ngữ "nhóm C_1-C_6 alkylthio" là, ví dụ, nhóm alkylthio mạch thẳng, mạch nhánh hoặc mạch vòng có từ 1 đến 6 nguyên tử cacbon, như metylthio, etylthio, n-propylthio, i-propylthio, xyclopropylthio, n-butylthio, s-butylthio, i-butylthio, t-butylthio, n-pentylthio, i-pentylthio, n-hexylthio, xyclohexylthio, và nhóm tương tự.

Thuật ngữ "nhóm C_1-C_6 haloalkylthio" là, ví dụ, nhóm alkylthio mạch thẳng, mạch nhánh hoặc mạch vòng có từ 1 đến 6 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau, như triflometylthio, pentafloetylthio, 2-cloetylthio, 2,2,2-trifloetylthio, heptaflo-n-propylthio, heptaflo-i-propylthio, 1,1,1,3,3,3-hexaflo-2-propylthio, 3-flo-n-propylthio, 1-cloxyclopropylthio, 2-bromxyclopropylthio, 3,3,4,4,4-pentaflo-2-butylthio, nonaflo-n-butylthio, nonaflo-2-butylthio, 5,5,5-triflo-n-pentylthio, 4,4,5,5,5-pentaflo-2-pentylthio, 3-clo-n-pentylthio, 4-brom-2-pentylthio, 4-clobutylthio, 2-iođo-n-propylthio, và nhóm tương tự.

Thuật ngữ "nhóm C_1-C_6 alkylsulfinyl" là, ví dụ, nhóm alkylsulfinyl mạch thẳng, mạch nhánh hoặc mạch vòng có từ 1 đến 6 nguyên tử cacbon, như metylsulfinyl, etylsulfinyl, n-propylsulfinyl, i-propylsulfinyl, xyclopropylsulfinyl, n-butylsulfinyl, s-butylsulfinyl, i-butylsulfinyl, t-butylsulfinyl, n-pentylsulfinyl, i-pentylsulfinyl, n-hexylsulfinyl, xyclohexylsulfinyl, và nhóm tương tự.

Thuật ngữ "nhóm C_1-C_6 haloalkylsulfinyl" là, ví dụ, nhóm alkylsulfinyl mạch thẳng, mạch nhánh hoặc mạch vòng có từ 1 đến 6 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau, như triflometylsulfinyl, pentafloetylsulfinyl, 2-cloetylsulfinyl, 2,2,2-trifloetylsulfinyl, heptaflo-n-propylsulfinyl, heptaflo-i-propylsulfinyl, 1,1,1,3,3,3-hexaflo-2-propylsulfinyl, 3-flo-n-propylsulfinyl, 1-cloxyclopropylsulfinyl, 2-

bromxyclopropylsulfinyl, 3,3,4,4,4-pentaflo-2-butylsulfinyl, nonaflo-n-butylsulfinyl, nonaflo-2-butylsulfinyl, 5,5,5-triflo-n-pentylsulfinyl, 4,4,5,5,5-pentaflo-2-pentylsulfinyl, 3-clo-n-pentylsulfinyl, 4-brom-2-pentylsulfinyl, 4-clobutylsulfinyl, 2-iođo-n-propylsulfinyl, và nhóm tương tự.

Thuật ngữ "nhóm C_1-C_6 alkylsulfonyl" là, ví dụ, nhóm alkylsulfonyl mạch thẳng, mạch nhánh hoặc mạch vòng có từ 1 đến 6 nguyên tử cacbon, như metylsulfonyl, etylsulfonyl, n-propylsulfonyl, i-propylsulfonyl, xyclopropylsulfonyl, n-butylsulfonyl, s-butylsulfonyl, i-butylsulfonyl, t-butylsulfonyl, n-pentylsulfonyl, i-pentylsulfonyl, n-hexylsulfonyl, xyclohexylsulfonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_1-C_6 haloalkylsulfonyl" là, ví dụ, nhóm alkylsulfonyl mạch thẳng, mạch nhánh hoặc mạch vòng có từ 1 đến 6 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau, như triflometylsulfonyl, pentafloetylsulfonyl, 2-cloetylsulfonyl, 2,2,2-trifloetylsulfonyl, heptaflo-n-propylsulfonyl, heptaflo-i-propylsulfonyl, 1,1,1,3,3,3-hexaflo-2-propylsulfonyl, 3-flo-n-propylsulfonyl, 1-cloxyclopropylsulfonyl, 2-bromxyclopropylsulfonyl, 3,3,4,4,4-pentaflo-2-butylsulfonyl, nonaflo-n-butylsulfonyl, nonaflo-2-butylsulfonyl, 5,5,5-triflo-n-pentylsulfonyl, 4,4,5,5,5-pentaflo-2-pentylsulfonyl, 3-clo-n-pentylsulfonyl, 4-brom-2-pentylsulfonyl, 4-clobutylsulfonyl, 2-iođo-n-propylsulfonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_1-C_6 alkylsulfonyloxy" là, ví dụ, nhóm alkylsulfonyloxy mạch thẳng, mạch nhánh hoặc mạch vòng có từ 1 đến 6 nguyên tử cacbon, như metansulfonyloxy, etansulfonyloxy, n-propansulfonyloxy, i-propansulfonyloxy, xyclopropansulfonyloxy, n-butansulfonyloxy, s-butansulfonyloxy, i-butansulfonyloxy, t-butansulfonyloxy, n-pentansulfonyloxy, i-pentansulfonyloxy, n-hexansulfonyloxy, xyclohexansulfonyloxy, và nhóm tương tự.

Thuật ngữ "nhóm C_1-C_6 haloalkylsulfonyloxy" là, ví dụ, nhóm alkylsulfonyloxy mạch thẳng, mạch nhánh hoặc mạch vòng có từ 1 đến 6 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau, như triflometansulfonyloxy, pentaflopropansulfonyloxy, 2-clopropansulfonyloxy, 2,2,2-triflopropansulfonyloxy, heptaflo-n-propansulfonyloxy, heptaflo-i-propansulfonyloxy, 1,1,1,3,3,3-hexaflo-2-propansulfonyloxy, 3-flo-n-

propansulfonyloxy, 1-cloxyclopropansulfonyloxy, 2-bromxyclopropansulfonyloxy, 3,3,4,4,4-pentaflo-2-butansulfonyloxy, nonaflo-n-butansulfonyloxy, nonaflo-2-butansulfonyloxy, 5,5,5-triflo-n-pentansulfonyloxy, 4,4,5,5,5-pentaflo-2-pentansulfonyloxy, 3-clo-n-pentansulfonyloxy, 4-brom-2-pentansulfonyloxy, 4-clobutansulfonyloxy, 2-iođo-n-propansulfonyloxy, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_7 alkylcacbonyl" là, ví dụ, nhóm alkylcacbonyl mạch thẳng, mạch nhánh hoặc mạch vòng có từ 2 đến 7 nguyên tử cacbon, như axetyl, propionyl, i-propylcacbonyl, xyclopropylcacbonyl, n-butylcacbonyl, s-butylcacbonyl, t-butylcacbonyl, n-pentylcacbonyl, 2-pentylcacbonyl, neopentylcacbonyl, xyclopentylcacbonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_7 haloalkylcacbonyl" là, ví dụ, nhóm alkylcacbonyl mạch thẳng, mạch nhánh hoặc mạch vòng có từ 2 đến 7 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau, như trifloaxetyl, pentaflopropionyl, 2-clopropionyl, 2,2,2-triflopropionyl, heptaflo-n-propylcacbonyl, heptaflo-i-propylcacbonyl, 1,1,1,3,3,3-hexaflo-2-propylcacbonyl, 3-flo-n-propylcacbonyl, 1-cloxyclopropylcacbonyl, 2-bromxyclopropylcacbonyl, 3,3,4,4,4-pentaflo-2-butylcacbonyl, nonaflo-n-butylcacbonyl, nonaflo-2-butylcacbonyl, 5,5,5-triflo-n-pentylcacbonyl, 4,4,5,5,5-pentaflo-2-pentylcacbonyl, 3-clo-n-pentylcacbonyl, 4-brom-2-pentylcacbonyl, 4-clobutylcacbonyl, 2-iođo-n-propylcacbonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_7 alkylcacbonyloxy" là, ví dụ, nhóm alkylcacbonyloxy mạch thẳng, mạch nhánh hoặc mạch vòng có từ 2 đến 7 nguyên tử cacbon, như axetyloxy, propionyloxy, i-propylcacbonyloxy, xyclopropylcacbonyloxy, n-butylcacbonyloxy, s-butylcacbonyloxy, t-butylcacbonyloxy, n-pentylcacbonyloxy, 2-pentylcacbonyloxy, neopentylcacbonyloxy, xyclopentylcacbonyloxy, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_7 haloalkylcacbonyloxy" là, ví dụ, nhóm alkylcacbonyloxy mạch thẳng, mạch nhánh hoặc mạch vòng có từ 2 đến 7 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau, như trifloaxetyloxy, pentaflopropionyloxy, 2-clopropionyloxy, 2,2,2-triflopropionyloxy, heptaflo-n-propylcacbonyloxy, heptaflo-i-propylcacbonyloxy,

1,1,1,3,3,3-hexaflo-2-propylcacbonyloxy, 3-flo-n-propylcacbonyloxy, 1-cloxyclopropylcacbonyloxy, 2-bromxyclopropylcacbonyloxy, 3,3,4,4,4-pentaflo-2-butylcacbonyloxy, nonaflo-n-butylcacbonyloxy, nonaflo-2-butylcacbonyloxy, 5,5,5-triflo-n-pentylcacbonyloxy, 4,4,5,5,5-pentaflo-2-pentylcacbonyloxy, 3-clo-n-pentylcacbonyloxy, 4-brom-2-pentylcacbonyloxy, 4-clobutylcacbonyloxy, 2-iođo-n-propylcacbonyloxy, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_7 alkoxycacbonyl" là, ví dụ, nhóm alkoxycacbonyl mạch thẳng, mạch nhánh hoặc mạch vòng có từ 2 đến 7 nguyên tử cacbon, như metoxycacbonyl, etoxycacbonyl, isopropoxycacbonyl, xyclopropoxycacbonyl, n-butoxycacbonyl, s-butoxycacbonyl, t-butoxycacbonyl, n-pentyloxycacbonyl, 2-pentyloxycacbonyl, neopentyloxycacbonyl, xyclopentyloxycacbonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_7 haloalkoxycacbonyl" là, ví dụ, nhóm alkoxycacbonyl mạch thẳng, mạch nhánh hoặc mạch vòng có từ 2 đến 7 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau, như triflometoxycacbonyl, pentafloetoxycacbonyl, 2-cloetoxycacbonyl, 2,2,2-trifloetoxycacbonyl, heptaflo-n-propoxycacbonyl, heptaflo-i-propoxycacbonyl, 1,1,1,3,3,3-hexaflo-2-propoxycacbonyl, 3-flo-n-propoxycacbonyl, 1-cloxyclopropoxycacbonyl, 2-bromxyclopropoxycacbonyl, 3,3,4,4,4-pentaflo-2-butoxycacbonyl, nonaflo-n-butoxycacbonyl, nonaflo-2-butoxycacbonyl, 5,5,5-triflo-n-pentyloxycacbonyl, 4,4,5,5,5-pentaflo-2-pentyloxycacbonyl, 3-clo-n-pentyloxycacbonyl, 4-brom-2-pentyloxycacbonyl, 4-clobutyloxycacbonyl, 2-iođo-n-propyloxycacbonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_7 alkylcacbonylamino" là, ví dụ, nhóm alkylcacbonylamino mạch thẳng, mạch nhánh hoặc mạch vòng có từ 2 đến 7 nguyên tử cacbon, như axetylamino, propionylamino, n-propylcacbonylamino, i-propylcacbonylamino, xyclopropylcacbonylamino, n-butylcacbonylamino, s-butylcacbonylamino, i-butylcacbonylamino, t-butylcacbonylamino, n-pentylcacbonylamino, i-pentylcacbonylamino, n-hexylcacbonylamino, xyclohexylcacbonylamino, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_7 haloalkylcacbonylamino" là, ví dụ, nhóm

alkylcacbonylamino mạch thẳng, mạch nhánh hoặc mạch vòng có từ 2 đến 7 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau, như trifloaxetylamino, pentaflopropionylamino, 2-clopropionylamino, 2,2,2-triflopropionylamino, heptaflo-n-propylcacbonylamino, heptaflo-i-propylcacbonylamino, 1,1,1,3,3,3-hexaflo-2-propylcacbonylamino, 3-flo-n-propylcacbonylamino, 1-cloxyclopropylcacbonylamino, 2-bromxyclopropylcacbonylamino, 3,3,4,4,4-pentaflo-2-butylcacbonylamino, nonaflo-n-butylcacbonylamino, nonaflo-2-butylcacbonylamino, 5,5,5-triflo-n-pentylcacbonylamino, 4,4,5,5,5-pentaflo-2-pentylcacbonylamino, 3-clo-n-pentylcacbonylamino, 4-brom-2-pentylcacbonylamino, 4-clobutylcacbonylamino, 2-iođo-n-propylcacbonylamino, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_7 alkoxycacbonylamino" là, ví dụ, nhóm alkoxycacbonylamino mạch thẳng, mạch nhánh hoặc mạch vòng có từ 2 đến 7 nguyên tử cacbon, như metoxycacbonylamino, etoxycacbonylamino, n-propyloxycacbonylamino, i-propyloxycacbonylamino, xyclopropoxycacbonylamino, n-butoxycacbonylamino, s-butoxycacbonylamino, i-butoxycacbonylamino, t-butoxycacbonylamino, n-pentyloxycacbonylamino, i-pentyloxycacbonylamino, n-hexyloxycacbonylamino, xyclohexyloxycacbonylamino, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_7 haloalkoxycacbonylamino" là, ví dụ, nhóm alkoxycacbonylamino mạch thẳng, mạch nhánh hoặc mạch vòng có từ 2 đến 7 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau, như triflometoxycacbonylamino, pentafloetoxycacbonylamino, 2-cloetoxycacbonylamino, 2,2,2-trifloetoxycacbonylamino, heptaflo-n-propoxycacbonylamino, heptaflo-i-propoxycacbonylamino, 1,1,1,3,3,3-hexaflo-2-propoxycacbonylamino, 3-flo-n-propoxycacbonylamino, 1-cloxyclopropoxycacbonylamino, 2-bromxyclopropoxycacbonylamino, 3,3,4,4,4-pentaflo-2-butoxycacbonylamino, nonaflo-n-butoxycacbonylamino, nonaflo-2-butoxycacbonylamino, 5,5,5-triflo-n-pentyloxycacbonylamino, 4,4,5,5,5-pentaflo-2-pentyloxycacbonylamino, 3-clo-n-pentyloxycacbonylamino, 4-brom-2-pentyloxycacbonylamino, 4-clobutyloxycacbonylamino, 2-iođo-n-propyloxycacbonylamino, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_7 alkoxycacbonyloxy" là, ví dụ, nhóm alkoxycacbonyloxy mạch thẳng, mạch nhánh hoặc mạch vòng có từ 2 đến 7 nguyên tử cacbon, như metoxycacbonyloxy, etoxycacbonyloxy, n-propyloxycacbonyloxy, i-propyloxycacbonyloxy, xyclopropoxycacbonyloxy, n-butoxycacbonyloxy, s-butoxycacbonyloxy, i-butoxycacbonyloxy, t-butoxycacbonyloxy, n-pentyloxycacbonyloxy, i-pentyloxycacbonyloxy, n-hexyloxycacbonyloxy, xyclohexyloxycacbonyloxy, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_7 haloalkoxycacbonyloxy" là, ví dụ, nhóm alkoxycacbonyloxy mạch thẳng, mạch nhánh hoặc mạch vòng có từ 2 đến 7 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau, như triflometoxycacbonyloxy, pentafloetoxycacbonyloxy, 2-cloetoxycacbonyloxy, 2,2,2-trifloetoxycacbonyloxy, heptaflo-n-propoxycacbonyloxy, heptaflo-i-propoxycacbonyloxy, 1,1,1,3,3,3-hexaflo-2-propoxycacbonyloxy, 3-flo-n-propoxycacbonyloxy, 1-cloxyclopropoxycacbonyloxy, 2-bromxyclopropoxycacbonyloxy, 3,3,4,4,4-pentaflo-2-butoxycacbonyloxy, nonaflo-n-butoxycacbonyloxy, nonaflo-2-butoxycacbonyloxy, 5,5,5-triflo-n-pentyloxycacbonyloxy, 4,4,5,5,5-pentaflo-2-pentyloxycacbonyloxy, 3-clo-n-pentyloxycacbonyloxy, 4-brom-2-pentyloxycacbonyloxy, 4-clobutyloxycacbonyloxy, 2-iođo-n-propyloxycacbonyloxy, và nhóm tương tự.

Thuật ngữ "nhóm C_1-C_6 alkylamino" là, ví dụ, nhóm alkylamino mạch thẳng, mạch nhánh hoặc mạch vòng có từ 1 đến 6 nguyên tử cacbon, như metylamino, đimetylamino, etylamino, đietylamino, n-propylamino, i-propylamino, xyclopropylamino, n-butylamino, s-butylamino, i-butylamino, t-butylamino, n-pentylamino, i-pentylamino, n-hexylamino, xyclohexylamino, và nhóm tương tự.

Thuật ngữ "nhóm C_1-C_6 haloalkylamino" là, ví dụ, nhóm alkylamino mạch thẳng, mạch nhánh hoặc mạch vòng có từ 1 đến 6 nguyên tử cacbon được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau, như triflometylamino, ditriflometylamino, pentafloetylamino, dipentafloetylamino, 2-cloetylamino, 2,2,2-trifloetylamino, heptaflo-n-propylamino, heptaflo-i-propylamino, 1,1,1,3,3,3-hexaflo-2-propylamino, 3-flo-n-propylamino, 1-cloxyclopropylamino, 2-bromxyclopropylamino, 3,3,4,4,4-pentaflo-2-butylamino, nonaflo-n-butylamino, nonaflo-2-butylamino, 5,5,5-triflo-n-pentylamino, 4,4,5,5,5-pentaflo-2-pentylamino, 3-

clo-n-pentylamino, 4-brom-2-pentylamino, 4-clobutylamino, 2-iođo-n-propylamino, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_6 alkenyloxy" là, ví dụ, nhóm alkenyloxy có từ 2 đến 6 nguyên tử cacbon, mà có liên kết đôi trong mạch cacbon, như vinyloxy, alyloxy, 2-butenyloxy, 3-butenyloxy, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_6 haloalkenyloxy" là, ví dụ, nhóm alkenyloxy mạch thẳng hoặc mạch nhánh có từ 2 đến 6 nguyên tử cacbon, mà được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau và có liên kết đôi trong mạch cacbon, như 3,3-điflo-2-propenyloxy, 3,3-điclo-2-propenyloxy, 3,3-đibrom-2-propenyloxy, 2,3-đibrom-2-propenyloxy, 4,4-điflo-3-butenyloxy, 3,4,4-tribrom-3-butenyloxy, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_6 alkynyloxy" là, ví dụ, nhóm alkynyloxy có từ 2 đến 6 nguyên tử cacbon, có liên kết ba trong mạch cacbon, như propargyloxy, 1-butyn-3-yloxy, 1-butyn-3-metyl-3-yloxy, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_6 haloalkynyloxy" là, ví dụ, nhóm alkynyloxy mạch thẳng hoặc mạch nhánh có từ 2 đến 6 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau và có liên kết ba trong mạch cacbon, như floetynyloxy, cloetynyloxy, brometynyloxy, 3,3,3-triflo-1-propynyloxy, 3,3,3-triclo-1-propynyloxy, 3,3,3-tribrom-1-propynyloxy, 4,4,4-triflo-1-butynyloxy, 4,4,4-triclo-1-butynyloxy, 4,4,4-tribrom-1-butynyloxy, và nhóm tương tự.

Thuật ngữ "nhóm C_3-C_9 xycloalkoxy" là, ví dụ, nhóm xycloalkyloxy có từ 3 đến 9 nguyên tử cacbon, nhóm này có cấu trúc vòng, như xyclopropyloxy, xyclobutyloxy, xyclopentyloxy, 2-metylxyclopentyloxy, 3-metylxyclopentyloxy, xyclohexyloxy, 2-metylxyclohexyloxy, 3-metylxyclohexyloxy, 4-metylxyclohexyloxy, và nhóm tương tự.

Thuật ngữ "nhóm C_3-C_9 haloxycloalkoxy" là, ví dụ, nhóm xycloalkyloxy có từ 3 đến 9 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau và có cấu trúc vòng, như 2,2,3,3-tetrafloxyclobutyloxy, 2-cloxyclohexyloxy, 4-cloxyclohexyloxy, và nhóm tương tự.

Thuật ngữ "nhóm C_3-C_7 alkenylcacbonyl" là, ví dụ, nhóm alkenylcacbonyl có từ 3 đến 7 nguyên tử cacbon, có liên kết đôi trong mạch cacbon, như vinylcacbonyl, alylcacbonyl, 2-butenylcacbonyl, 3-butenylcacbonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_3-C_7 haloalkenylcacbonyl" là nhóm alkenylcacbonyl có từ 3 đến 7 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau và có liên kết đôi trong mạch cacbon, như 3,3-điflo-2-propenylcacbonyl, 3,3-điclo-2-propenylcacbonyl, 3,3-đibrom-2-propenylcacbonyl, 2,3-đibrom-2-propenylcacbonyl, 4,4-điflo-3-butenylcacbonyl, 3,4,4-tribrom-3-butenylcacbonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_3-C_7 alkynylcacbonyl" là nhóm alkynylcacbonyl có từ 3 đến 7 nguyên tử cacbon và có liên kết ba trong mạch cacbon, như propargylcacbonyl, 1-butyn-3-ylcacbonyl, 1-butyn-3-metyl-3-ylcacbonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_3-C_7 haloalkynylcacbonyl" là, ví dụ, nhóm alkynylcacbonyl mạch thẳng hoặc mạch nhánh có từ 3 đến 7 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau và có liên kết ba trong mạch cacbon, như floetynylcacbonyl, cloetynylcacbonyl, brometynylcacbonyl, 3,3,3-triflo-1-propynylcacbonyl, 3,3,3-triclo-1-propynylcacbonyl, 3,3,3-tribrom-1-propynylcacbonyl, 4,4,4-triflo-1-butynylcacbonyl, 4,4,4-triclo-1-butynylcacbonyl, 4,4,4-tribrom-1-butynylcacbonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_4-C_{10} xycloalkylcacbonyl" là, ví dụ, nhóm xycloalkylcacbonyl có từ 4 đến 10 nguyên tử cacbon, nhóm này có cấu trúc vòng, như xyclopropylcacbonyl, xyclobutylcacbonyl, xyclopentylcacbonyl, 2-metylxyclopentylcacbonyl, 3-metylxyclopentylcacbonyl, xyclohexylcacbonyl, 2-metylxyclohexylcacbonyl, 3-metylxyclohexylcacbonyl, 4-metylxyclohexylcacbonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_4-C_{10} haloxycloalkylcacbonyl" là, ví dụ, nhóm xycloalkylcacbonyl có từ 4 đến 10 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau và có cấu trúc vòng, như 2,2,3,3-tetrafloxyclobutylcacbonyl, 2-cloxyclohexylcacbonyl, 4-cloxyclohexylcacbonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_3-C_7 alkenyloxycacbonyl" là nhóm alkenyloxycacbonyl có từ 3 đến 7 nguyên tử cacbon, mà có liên kết đôi trong mạch cacbon, như vinyloxycacbonyl, alyloxycacbonyl, 2-butenyloxycacbonyl, 3-butenyloxycacbonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_3-C_7 haloalkenyloxycacbonyl" là, ví dụ, nhóm alkenyloxycacbonyl mạch thẳng hoặc mạch nhánh có từ 3 đến 7 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau và có liên kết đôi trong mạch cacbon, như 3,3-điflo-2-propenyloxycacbonyl, 3,3-điclo-2-propenyloxycacbonyl, 3,3-đibrom-2-propenyloxycacbonyl, 2,3-đibrom-2-propenyloxycacbonyl, 4,4-điflo-3-butenyloxycacbonyl, 3,4,4-tribrom-3-butenyloxycacbonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_3-C_7 alkynyloxycacbonyl" là, ví dụ, nhóm alkynyloxycacbonyl có từ 3 đến 7 nguyên tử cacbon, nhóm này có liên kết ba trong mạch cacbon, như propargyloxycacbonyl, 1-butyn-3-yloxycacbonyl, 1-butyn-3-metyl-3-yloxycacbonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_3-C_7 haloalkynyloxycacbonyl" là, ví dụ, nhóm alkynyloxycacbonyl mạch thẳng hoặc mạch nhánh có từ 3 đến 7 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau và có liên kết ba trong mạch cacbon, như floetynyloxycacbonyl, cloetynyloxycacbonyl, brometynyloxycacbonyl, 3,3,3-triflo-1-propynyloxycacbonyl, 3,3,3-triclo-1-propynyloxycacbonyl, 3,3,3-tribrom-1-propynyloxycacbonyl, 4,4,4-triflo-1-butynyloxycacbonyl, 4,4,4-triclo-1-butynyloxycacbonyl, 4,4,4-tribrom-1-butynyloxycacbonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_4-C_{10} xycloalkyloxycacbonyl" là, ví dụ, nhóm xycloalkyloxycacbonyl có từ 4 đến 10 nguyên tử cacbon, mà có cấu trúc vòng, như xyclopropyloxycacbonyl, xyclobutyloxycacbonyl, xyclopentyloxycacbonyl, 2-metylxyclopentyloxycacbonyl, 3-metylxyclopentyloxycacbonyl, xyclohexyloxycacbonyl, 2-metylxyclohexyloxycacbonyl, 3-metylxyclohexyloxycacbonyl, 4-metylxyclohexyloxycacbonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_4-C_{10} haloxycloalkyloxycacbonyl" là, ví dụ, nhóm xycloalkyloxycacbonyl có từ 4 đến 10 nguyên tử cacbon, nhóm này được thế bằng một

hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau và có cấu trúc vòng, như 2,2,3,3-tetrafloxyclobutyloxycacbonyl, 2-cloxyclohexyloxycacbonyl, 4-cloxyclohexyloxycacbonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_6 alkenylamino" là, ví dụ, nhóm alkenylamino có từ 2 đến 6 nguyên tử cacbon, mà có liên kết đôi trong mạch cacbon, như vinylamino, alylamino, 2-butenylamino, 3-butenylamino, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_6 haloalkenylamino" là nhóm alkenylamino mạch thẳng hoặc mạch nhánh có từ 2 đến 6 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau và có liên kết đôi trong mạch cacbon, như 3,3-điflo-2-propenylamino, 3,3-điclo-2-propenylamino, 3,3-đibrom-2-propenylamino, 2,3-đibrom-2-propenylamino, 4,4-điflo-3-butenylamino, 3,4,4-tribrom-3-butenylamino, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_6 alkynylamino" là, ví dụ, nhóm alkynylamino có từ 2 đến 6 nguyên tử cacbon, mà có liên kết ba trong mạch cacbon, như propargylamino, 1-butyn-3-ylamino, 1-butyn-3-metyl-3-ylamino, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_6 haloalkynylamino" là, ví dụ, nhóm alkynylamino mạch thẳng hoặc mạch nhánh có từ 2 đến 6 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau và có liên kết ba trong mạch cacbon, như floetynylamino, cloetynylamino, brometynylamino, 3,3,3-triflo-1-propynylamino, 3,3,3-triclo-1-propynylamino, 3,3,3-tribrom-1-propynylamino, 4,4,4-triflo-1-butynylamino, 4,4,4-triclo-1-butynylamino, 4,4,4-tribrom-1-butynylamino, và nhóm tương tự.

Thuật ngữ "nhóm C_3-C_9 xycloalkylamino" là, ví dụ, nhóm xycloalkyl amino có từ 3 đến 9 nguyên tử cacbon, mà có cấu trúc vòng, như xyclopropylamino, xyclobutylamino, xyclopentylamino, 2-metylxyclopentylamino, 3-metylxyclopentylamino, xyclohexylamino, 2-metylxyclohexylamino, 3-metylxyclohexylamino, 4-metylxyclohexylamino, và nhóm tương tự.

Thuật ngữ "nhóm C_3-C_9 haloxycloalkylamino" là, ví dụ, nhóm xycloalkylamino có từ 3 đến 9 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau và có cấu trúc vòng,

như 2,2,3,3-tetrafloxyclobutylamino, 2-cloxyclohexylamino, 4-cloxyclohexylamino, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_7 alkylaminocacbonyl" là, ví dụ, nhóm alkylaminocacbonyl mạch thẳng hoặc mạch nhánh có từ 2 đến 7 nguyên tử cacbon, như metylaminocacbonyl, etylaminocacbonyl, n-propylaminocacbonyl, i-propylaminocacbonyl, n-butylaminocacbonyl, s-butylaminocacbonyl, t-butylaminocacbonyl, n-pentylaminocacbonyl, 2-pentylaminocacbonyl, neopentylaminocacbonyl, 4-metyl-2-pentylaminocacbonyl, n-hexylaminocacbonyl, 3-metyl-n-pentylaminocacbonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_2-C_7 haloalkylaminocacbonyl" là, ví dụ, nhóm alkylaminocacbonyl mạch thẳng hoặc mạch nhánh có từ 2 đến 7 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau, như triflometylaminocacbonyl, pentafloetylaminocacbonyl, heptaflo-n-propylaminocacbonyl, heptaflo-i-propylaminocacbonyl, 2,2-đifloetylaminocacbonyl, 2,2-đicloetylaminocacbonyl, 2,2,2-trifloetylaminocacbonyl, 2-floetylaminocacbonyl, 2-cloetylaminocacbonyl, 2-brometylaminocacbonyl, 2-iođoetylaminocacbonyl, 2,2,2-tricloetylaminocacbonyl, 2,2,2-tribrometylaminocacbonyl, 1,3-điflo-2-propylaminocacbonyl, 1,3-điclo-2-propylaminocacbonyl, 1-clo-3-flo-2-propylaminocacbonyl, 1,1,1-triflo-2-propylaminocacbonyl, 2,3,3,3-triflo-n-propylaminocacbonyl, 4,4,4-triflo-n-butylaminocacbonyl, 1,1,1,3,3,3-hexaflo-2-propylaminocacbonyl, 1,1,1,3,3,3-hexaflo-2-clo-2-propylaminocacbonyl, 1,1,1,3,3,3-hexaflo-2-brom-2-propylaminocacbonyl, 1,1,2,3,3,3-hexaflo-2-clo-n-propylaminocacbonyl, 1,1,2,3,3,3-hexaflo-2-brom-n-propylaminocacbonyl, 1,1,2,3,3,3-hexaflo-1-brom-2-propylaminocacbonyl, 2,2,3,3,3-pentaflo-n-propylaminocacbonyl, 3-flo-n-propylaminocacbonyl, 3-clo-n-propylaminocacbonyl, 3-brom-n-propylaminocacbonyl, 3,3,4,4,4-pentaflo-2-butylaminocacbonyl, nonaflo-n-butylaminocacbonyl, nonaflo-2-butylaminocacbonyl, 5,5,5-triflo-n-pentylaminocacbonyl, 4,4,5,5,5-pentaflo-2-pentylaminocacbonyl, 3-clo-n-pentylaminocacbonyl, 4-brom-2-pentylaminocacbonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_3-C_7 alkenylaminocacbonyl" là, ví dụ, alkenylaminocacbonyl nhóm có từ 3 đến 7 nguyên tử cacbon, mà có liên kết đôi trong

mạch cacbon, như vinylaminocacbonyl, alylaminocacbonyl, 2-butenylaminocacbonyl, 3-butenylaminocacbonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_3-C_7 haloalkenylaminocacbonyl" là, ví dụ, nhóm alkenylaminocacbonyl mạch thẳng hoặc mạch nhánh có từ 3 đến 7 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau và có liên kết đôi trong mạch cacbon, như 3,3-điflo-2-propenylaminocacbonyl, 3,3-điclo-2-propenylaminocacbonyl, 3,3-đibrom-2-propenylaminocacbonyl, 2,3-đibrom-2-propenylaminocacbonyl, 4,4-điflo-3-butenylaminocacbonyl, 3,4,4-tribrom-3-butenylaminocacbonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_3-C_7 alkynylaminocacbonyl" là, ví dụ, nhóm alkynylaminocacbonyl có từ 3 đến 7 nguyên tử cacbon, mà có liên kết ba trong mạch cacbon, như propargylaminocacbonyl, 1-butyn-3-ylaminocacbonyl, 1-butyn-3-metyl-3-ylaminocacbonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_3-C_7 haloalkynylaminocacbonyl" là, ví dụ, nhóm alkynylaminocacbonyl mạch thẳng hoặc mạch nhánh có từ 3 đến 7 nguyên tử cacbon, mà được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau và có liên kết ba trong mạch cacbon, như floetynylaminocacbonyl, cloetynylaminocacbonyl, brometynylaminocacbonyl, 3,3,3-triflo-1-propynylaminocacbonyl, 3,3,3-triclo-1-propynylaminocacbonyl, 3,3,3-tribrom-1-propynylaminocacbonyl, 4,4,4-triflo-1-butynylaminocacbonyl, 4,4,4-triclo-1-butynylaminocacbonyl, 4,4,4-tribrom-1-butynylaminocacbonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_4-C_{10} xycloalkylaminocacbonyl" là, ví dụ, nhóm xycloalkylaminocacbonyl có từ 4 đến 10 nguyên tử cacbon, mà có cấu trúc vòng, như xyclopropylaminocacbonyl, xyclobutylaminocacbonyl, xyclopentylaminocacbonyl, 2-metylxyclopentylaminocacbonyl, 3-metylxyclopentylaminocacbonyl, xyclohexylaminocacbonyl, 2-metylxyclohexylaminocacbonyl, 3-metylxyclohexylaminocacbonyl, 4-metylxyclohexylaminocacbonyl, và nhóm tương tự.

Thuật ngữ "nhóm C_4-C_{10} haloxycloalkylaminocacbonyl" là, ví dụ, nhóm xycloalkylaminocacbonyl có từ 4 đến 10 nguyên tử cacbon, nhóm này được thế bằng một hoặc nhiều nguyên tử halogen mà có thể giống nhau hoặc khác nhau và có cấu trúc vòng, như 2,3,3-tetrafloxyclobutylaminocacbonyl, 2-cloxyclohexylaminocacbonyl,

4-cloxyclohexylaminocacbonyl, và nhóm tương tự.

Thuật ngữ "nhóm aryl" là, ví dụ, hyđrocarbon thơm đơn vòng và đa vòng, như nhóm phenyl, nhóm naphtyl, và nhóm tương tự.

Thuật ngữ "nhóm arylcacbonyloxy" là, ví dụ, nhóm arylcacbonyloxy, như nhóm phenylcacbonyloxy, nhóm naphtylcacbonyloxy, và nhóm tương tự.

Thuật ngữ "nhóm arylcacbonylamino" là, ví dụ, nhóm arylcacbonylamino, như nhóm phenylcacbonylamino, nhóm naphtylcacbonylamino, và nhóm tương tự.

Thuật ngữ "nhóm C_1-C_6 alkyl mà có thể có phần tử thế" trong R_1 và R_2 là nhóm alkyl không được thế mạch thẳng, mạch nhánh hoặc mạch vòng có từ 1 đến 6 nguyên tử cacbon, hoặc nhóm alkyl mạch thẳng, mạch nhánh hoặc mạch vòng có từ 2 đến 6 nguyên tử cacbon, được thế chỉ với ít nhất một trong số nhóm nitro, nhóm phenyl mà có thể có phần tử thế, và nhóm dị vòng chưa no mà có thể có phần tử thế. Ngoài ra, khi có hai hoặc nhiều phần tử thế, các phần tử thế này có thể giống nhau hoặc khác nhau.

Thuật ngữ "nhóm C_1-C_6 haloalkyl mà có thể có phần tử thế" trong R_1 và R_2 là nhóm alkyl mạch thẳng, mạch nhánh hoặc mạch vòng có từ 1 đến 6 nguyên tử cacbon, được thế bằng một hoặc nhiều nguyên tử halogen, hoặc nhóm alkyl mạch thẳng, mạch nhánh hoặc mạch vòng có từ 1 đến 6 nguyên tử cacbon, được thế bằng ít nhất một trong số nhóm nitro, nhóm phenyl mà có thể có phần tử thế, và nhóm dị vòng chưa no mà có thể có phần tử thế, ngoài một hoặc nhiều nguyên tử halogen.

Thuật ngữ "nhóm C_2-C_6 alkenyl mà có thể có phần tử thế" trong R_1 và R_2 là nhóm alkenyl không được thế mạch thẳng, mạch nhánh, hoặc mạch vòng có từ 2 đến 6 nguyên tử cacbon, hoặc nhóm alkenyl mạch thẳng, mạch nhánh, hoặc mạch vòng có từ 2 đến 6 nguyên tử cacbon, được thế bằng ít nhất một trong số nhóm nitro, nhóm phenyl mà có thể có phần tử thế, và nhóm dị vòng chưa no mà có thể có phần tử thế. Ngoài ra, khi có hai hoặc nhiều phần tử thế, các phần tử thế này có thể giống nhau hoặc khác nhau.

Thuật ngữ "nhóm C_2-C_6 haloalkenyl mà có thể có phần tử thế" trong R_1 và R_2 là nhóm alkenyl mạch thẳng, mạch nhánh, hoặc mạch vòng có từ 2 đến 6 nguyên tử cacbon, được thế chỉ bằng một hoặc nhiều nguyên tử halogen, hoặc nhóm alkenyl

mạch thẳng, mạch nhánh, hoặc mạch vòng có từ 2 đến 6 nguyên tử cacbon, được thế bằng ít nhất một trong số nhóm nitro, nhóm phenyl mà có thể có phần tử thế, và nhóm dị vòng chưa no mà có thể có phần tử thế, ngoài một hoặc nhiều nguyên tử halogen.

Thuật ngữ "nhóm C_2-C_6 alkynyl mà có thể có phần tử thế" trong R_1 và R_2 là nhóm alkynyl không được thế mạch thẳng, mạch nhánh, hoặc mạch vòng có từ 2 đến 6 nguyên tử cacbon, hoặc nhóm alkynyl mạch thẳng, mạch nhánh, hoặc mạch vòng có từ 2 đến 6 nguyên tử cacbon, được thế bằng ít nhất một trong số nhóm nitro, nhóm phenyl mà có thể có phần tử thế, và nhóm dị vòng chưa no mà có thể có phần tử thế. Ngoài ra, khi có hai hoặc nhiều phần tử thế, các phần tử thế này có thể giống nhau hoặc khác nhau.

Thuật ngữ "nhóm C_2-C_6 haloalkynyl mà có thể có phần tử thế" trong R_1 và R_2 là nhóm alkynyl mạch thẳng, mạch nhánh, hoặc mạch vòng có từ 2 đến 6 nguyên tử cacbon, được thế chỉ bằng một hoặc nhiều nguyên tử halogen, hoặc nhóm alkynyl mạch thẳng, mạch nhánh, hoặc mạch vòng có từ 2 đến 6 nguyên tử cacbon, được thế bằng ít nhất một trong số nhóm nitro, nhóm phenyl mà có thể có phần tử thế, và nhóm dị vòng chưa no mà có thể có phần tử thế, ngoài một hoặc nhiều nguyên tử halogen.

Ngoài ra, mỗi trong số phần tử thế theo sáng chế còn có thể có phần tử thế, và ví dụ về các phần tử thế bao gồm các phần tử thế sau:

Một hoặc nhiều phần tử thế được chọn từ nhóm bao gồm nguyên tử halogen, nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_3-C_9 xycloalkyl, nhóm C_3-C_9 haloxycloalkyl, nhóm C_2-C_6 alkenyl, nhóm C_2-C_6 haloalkenyl, nhóm C_2-C_6 alkynyl, nhóm C_2-C_6 haloalkynyl, nhóm C_1-C_6 alkoxy, nhóm C_1-C_6 haloalkoxy, nhóm C_1-C_6 alkylthio, nhóm C_1-C_6 haloalkylthio, nhóm C_1-C_6 alkylsulfinyl, nhóm C_1-C_6 haloalkylsulfinyl, nhóm C_1-C_6 alkylsulfonyl, nhóm C_1-C_6 haloalkylsulfonyl, nhóm C_2-C_7 alkylcacbonyl, nhóm C_2-C_7 haloalkylcacbonyl, nhóm C_2-C_7 alkylcacbonyloxy, nhóm C_2-C_7 haloalkylcacbonyloxy, nhóm C_1-C_6 alkylsulfonyloxy, nhóm C_1-C_6 haloalkylsulfonyloxy, nhóm C_2-C_7 alkoxycacbonyl, nhóm C_2-C_7 haloalkoxycacbonyl, nhóm C_2-C_7 alkylcacbonylamino, nhóm C_2-C_7 haloalkylcacbonylamino, nhóm C_2-C_7 alkoxycacbonylamino, nhóm C_2-C_7 haloalkoxycacbonylamino, nhóm C_2-C_7 alkylaminocacbonyl, nhóm C_2-C_7 haloalkylaminocacbonyl, nhóm C_1-C_6 alkylamino, nhóm C_1-C_6 haloalkylamino, nhóm C_2-C_6 alkenylamino, nhóm C_2-C_6

haloalkenylamino, nhóm C_2-C_6 alkynylamino, nhóm C_2-C_6 haloalkynylamino, nhóm C_3-C_9 xycloalkylamino, nhóm C_3-C_9 haloxycloalkylamino, nhóm C_3-C_7 alkenylaminocacbonyl, nhóm C_3-C_7 haloalkenylaminocacbonyl, nhóm C_3-C_7 alkynylaminocacbonyl, nhóm C_3-C_7 haloalkynylaminocacbonyl, nhóm C_4-C_{10} xycloalkylaminocacbonyl, nhóm C_4-C_{10} haloxycloalkylaminocacbonyl, nhóm amino, nhóm carbamoyl, nhóm sulfamoyl, nhóm xyano, nhóm nitro, nhóm hyđroxyl, nhóm carboxylic, nhóm pentaflosulfanyl, nhóm phenyl mà có thể có phần tử thế, nhóm dị vòng mà có thể có phần tử thế, nhóm benzyl mà có thể có phần tử thế, nhóm phenylcacbonyl mà có thể có phần tử thế, và nhóm phenylamino mà có thể có phần tử thế, và khi có hai hoặc nhiều phần tử thế, mỗi phần tử thế có thể giống nhau hoặc khác nhau.

Các hợp chất được thể hiện bằng Công thức (1), Công thức (7), Công thức (8), và các công thức tương tự theo sáng chế có thể bao gồm một hoặc nhiều nguyên tử cacbon không đối xứng hoặc các tâm không đối xứng trong các công thức cấu trúc của chúng, và như vậy hai hoặc nhiều chất đồng phân quang học có thể tồn tại. Tuy nhiên, sáng chế bao gồm mỗi trong số các chất đồng phân quang học này và hỗn hợp của nó theo bất kỳ tỷ lệ nào. Ngoài ra, các hợp chất được thể hiện bằng Công thức (1), Công thức (7), Công thức (8), và các công thức tương tự theo sáng chế có thể bao gồm hai hoặc nhiều loại chất đồng phân dị hình có nguồn gốc từ liên kết đôi cacbon-cacbon trong các Công thức cấu trúc. Tuy nhiên, sáng chế bao gồm mỗi trong số các chất đồng phân dị hình này và hỗn hợp của nó theo bất kỳ tỷ lệ nào.

Hỗn hợp của các phần tử thế hoặc nguyên tử được ưu tiên làm phần tử thế hoặc dạng tương tự cho dẫn xuất amit được thể hiện bằng Công thức (1) theo sáng chế là như sau.

T tốt hơn là $-C(=G_1)-Q_1$, G_1 tốt hơn là nguyên tử oxy, Q_1 tốt hơn là nhóm phenyl mà có thể có phần tử thế, hoặc nhóm pyriđyl mà có thể có phần tử thế, và Q_1 tốt hơn nữa nếu là nhóm phenyl hoặc nhóm pyriđyl mà có một hoặc nhiều phần tử thế được chọn từ nhóm bao gồm nguyên tử halogen, nhóm C1 haloalkyl, nhóm nitro, và nhóm xyano, và khi có hai hoặc nhiều phần tử thế, mỗi phần tử thế có thể giống nhau hoặc khác nhau.

G_3 tốt hơn là nguyên tử oxy.

R_1 tốt hơn là nguyên tử hyđro hoặc nhóm C_1-C_3 alkyl.

R_2 tốt hơn là nguyên tử hyđro.

A tốt hơn là nguyên tử cacbon, và K tốt hơn là nhóm nguyên tử phi kim mà được kết hợp với A và hai nguyên tử cacbon mà A liên kết với để tạo ra vòng benzen.

X tốt hơn là nguyên tử hyđro, nguyên tử halogen, hoặc nhóm xyano, và tốt hơn nữa nếu là nguyên tử hyđro, nguyên tử flo, hoặc nhóm xyano.

Khi X là phần tử thế không phải là nguyên tử hyđro, n tốt hơn là 0, 1, hoặc 2.

Y_1 tốt hơn là nguyên tử halogen hoặc nhóm C_1-C_3 haloalkyl.

Y_5 tốt hơn là nhóm C_1-C_3 haloalkyl.

Y_2 và Y_4 tốt hơn là các nguyên tử hyđro, nguyên tử halogen, hoặc các nhóm C_1-C_4 alkyl, và tốt hơn nữa nếu là các nguyên tử hyđro.

Y_3 tốt hơn là nhóm C_2-C_5 haloalkyl, và tốt hơn nữa nếu là nhóm C_2-C_4 perfloalkyl.

Hơn nữa, hỗn hợp của các phần tử thế hoặc các nguyên tử được ưu tiên là phần tử thế và dạng tương tự cho dẫn xuất amit được thể hiện bằng Công thức (8) là như sau.

Q_1 tốt hơn là nhóm phenyl hoặc nhóm pyriđyl mà có một hoặc nhiều phần tử thế được chọn từ nhóm bao gồm nguyên tử halogen, nhóm C1 haloalkyl, nhóm nitro, và nhóm xyano, và khi có hai hoặc nhiều phần tử thế, mỗi phần tử thế có thể giống nhau hoặc khác nhau.

R_1 tốt hơn là nguyên tử hyđro hoặc nhóm C_1-C_3 alkyl.

R_2 tốt hơn là nguyên tử hyđro.

X_1 và X_2 tốt hơn là các nguyên tử hyđro hoặc các nguyên tử flo, và X3 và X4 tốt hơn là các nguyên tử hyđro.

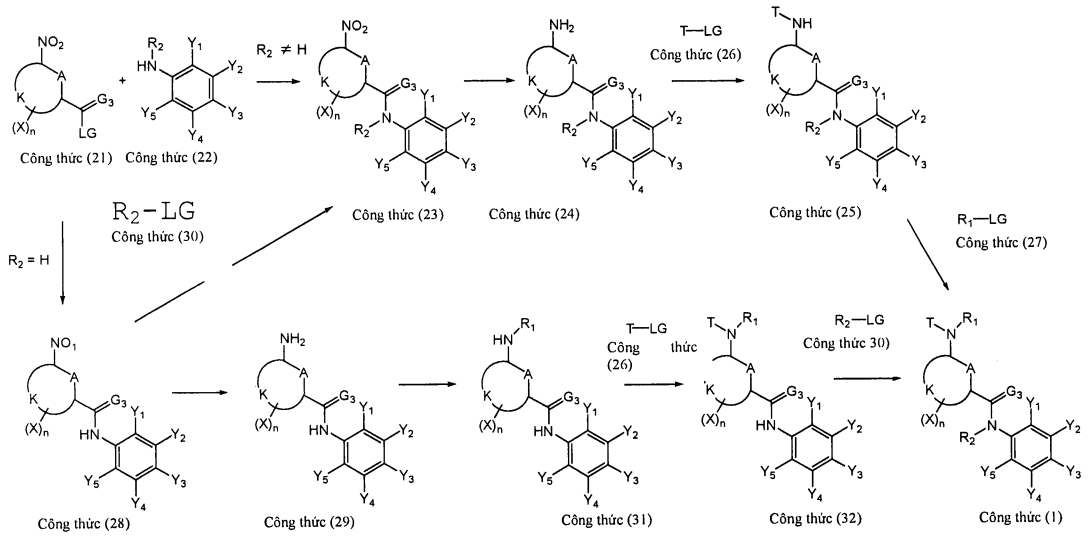
Y_1 và Y_5 tốt hơn là nguyên tử halogen hoặc nhóm C_1-C_3 haloalkyl. Y_2 và Y_4 tốt hơn là các nguyên tử hyđro. Y_3 tốt hơn là nhóm C_3-C_4 perfloalkyl.

Các phương pháp minh họa để sản xuất hợp chất theo sáng chế được chỉ ra dưới đây, và phương pháp để sản xuất dẫn xuất amit theo sáng chế không bị giới hạn ở

các phương pháp điều chế dưới đây.

Trong Công thức được thể hiện trong các phương pháp điều chế sau đây, A, K, X, n, R_1, R_2, T, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 lần lượt có các định nghĩa giống như A, K, X, n, R_1, R_2, T, G_3, Y_1, Y_2, Y_3, Y_4, và Y_5 trong Công thức (1). LG là nhóm chức có khả năng rời chuyển, như nguyên tử halogen, nhóm hyđroxy, hoặc nhóm tương tự, Hal là nguyên tử clo hoặc nguyên tử brom, và Xa, Xb, và Xc là nguyên tử clo, nguyên tử brom, hoặc nguyên tử iot.

<Phương pháp điều chế 1>



1-(i): Công thức (21) + Công thức (22) → Công thức (23)

Công thức (21) + Công thức (22) → Công thức (28)

Dẫn xuất carboxamit thơm có nitro được thể hiện bằng Công thức (23) hoặc Công thức (28) có thể được điều chế bằng cách cho dẫn xuất axit cacboxylic thơm có nitro có nhóm rời chuyển được thể hiện bằng Công thức (21) phản ứng với dẫn xuất amin thơm được thể hiện bằng Công thức (22) trong dung môi thích hợp hoặc không cần dung môi. Trong bước này, bazơ thích hợp có thể được sử dụng.

Dung môi có thể là bất kỳ trong số dung môi mà không ức chế phản ứng này một cách đáng kể. Ví dụ về dung môi này có thể bao gồm nước và các hyđrocacbon thơm như benzen, toluen, xylen, và các hyđrocacbon thơm tương tự, các hyđrocacbon được halogen hóa như điclometan, clorofom, cacbon tetraclorua, và các hyđrocacbon

được halogen hóa tương tự, các mạch ete hoặc ete vòng như đietyl ete, đioxan, tetrahyđrofuran, 1,2-đimetoxy etan, và ete tương tự, các este như etyl axetat, butyl axetat, và este tương tự, các rượu như metanol, etanol, và rượu tương tự, các keton như axeton, metyl isobutyl keton, xyclohexanon, và các keton tương tự, các amit như đimetyl formamit, đimetylaxetamit, và các amit tương tự, nitril như axetonitril và các nitril tương tự, và các dung môi trơ như 1,3-đimetyl-2-imiđazoliđinon và các dung môi tương tự. Các dung môi này có thể được sử dụng một mình hoặc dưới dạng hỗn hợp của hai hoặc nhiều loại dung môi.

Ngoài ra, ví dụ về bazơ có thể bao gồm các bazơ hữu cơ như trietylamin, tri-n-butyl amin, pyriđin, 4-đimetylamino pyriđin, và các bazơ tương tự, hyđroxit kim loại kiềm như natri hyđroxit, kali hyđroxit, và các hyđroxit tương tự, các cacbonat như natri hyđro cacbonat, kali cacbonat, và các cacbonat tương tự, các phosphat như đikali monohyđro phosphat, trinatri phosphat, và các phosphat tương tự, các muối hyđrua kim loại kiềm như natri hyđrua và các muối tương tự, alkoxit kim loại kiềm như natri metoxit, natri etoxit, và các alkoxit tương tự, và các amit lithi như lithi điisopropyl amit, và các amit tương tự.

Các bazơ này có thể được sử dụng thích hợp với lượng nằm trong khoảng từ 0,01 lần đương lượng mol đến 5 lần đương lượng mol đối với hợp chất được thể hiện bằng Công thức (21).

Nhiệt độ phản ứng có thể được chọn thích hợp nằm trong khoảng từ -20° đến nhiệt độ hồi lưu của dung môi được sử dụng. Ngoài ra, thời gian phản ứng có thể được chọn thích hợp trong khoảng từ vài phút đến 96 giờ.

Trong số các hợp chất được thể hiện bằng Công thức (21), dẫn xuất cacbonyl halogenua thơm có thể được điều chế một cách dễ dàng bằng phương pháp chung sử dụng chất halogen hóa từ axit carboxylic thơm. Ví dụ về chất halogen hóa gồm thionyl clorua, thionyl bromua, phospho oxyclorua, oxalyl clorua, phospho triclorua, và các hợp chất tương tự.

Trong khi đó, có thể điều chế hợp chất được thể hiện bằng Công thức (23) hoặc Công thức (28) từ dẫn xuất axit cacboxylic thơm có nitro và hợp chất được thể hiện bằng Công thức (22) mà không sử dụng chất halogen hóa. Ví dụ về phương pháp này có thể bao gồm phương pháp được mô tả trong, ví dụ, Chem. Ber. trang 788

(1970), trong đó tác nhân làm ngưng tụ như N,N'-đixyclohexylcarbođiimit và tác nhân tương tự được sử dụng thích hợp, thích hợp với việc sử dụng chất phụ gia như 1-hyđroxybenzotriazol và chất tương tự. Các tác nhân làm ngưng tụ khác mà có thể được sử dụng trong trường hợp này có thể bao gồm 1-etyl-3-(3-đimetylaminopropyl)carbođiimit, 1,1'-cacbonylbis-1H-imiđazol, và các chất tương tự.

Ngoài ra, ví dụ về các phương pháp khác để sản xuất hợp chất được thể hiện bằng Công thức (23) hoặc Công thức (28) có thể bao gồm phương pháp anhyđrit hỗn hợp có sử dụng các este của axit clorofomic, và ví dụ về các phương pháp này bao gồm phương pháp được mô tả trong J. Am. Chem. Soc., trang 5012 (1967), nhờ đó có thể điều chế được hợp chất được thể hiện bằng Công thức (23) hoặc Công thức (28). Ví dụ về các este của axit clorofomic được sử dụng trong trường hợp này có thể gồm isobutyl clorofomat, isopropyl clorofomat và các este tương tự. Ngoài các este của axit clorofomic, đietylaxetyl clorua, trimetylaxetyl clorua và các hợp chất tương tự cũng có thể được bao gồm.

Cả phương pháp có sử dụng tác nhân làm ngưng tụ và phương pháp anhyđrit hỗn hợp đều không bị giới hạn bởi dung môi, nhiệt độ phản ứng, và thời gian phản ứng theo tài liệu ở trên. Dung môi trơ có thể được sử dụng mà không ức chế đáng kể sự tiến triển của phản ứng thích hợp, và nhiệt độ phản ứng và thời gian phản ứng cũng có thể được chọn thích hợp theo tiến trình của phản ứng.

1-(ii): Công thức (23) → Công thức (24)

Công thức (28) → Công thức (29)

Dẫn xuất carboxamit thơm có nhóm amino được thể hiện bằng Công thức (24) hoặc Công thức (29) có thể có nguồn gốc từ dẫn xuất carboxamit thơm có nhóm nitro được thể hiện bằng Công thức (23) hoặc Công thức (28) bằng phản ứng khử. Ví dụ về phản ứng khử này bao gồm phương pháp có sử dụng phản ứng hyđro hóa và phương pháp có sử dụng hợp chất kim loại (ví dụ, thiếc clorua (anhyđrit), bột sắt, bột kẽm, và các hợp chất tương tự).

Phản ứng của phương pháp có sử dụng phản ứng hyđro hóa có thể được tiến hành trong dung môi thích hợp trong sự có mặt của chất xúc tác ở áp suất bình thường hoặc áp suất cao hơn trong môi trường hyđro. Ví dụ về chất xúc tác này có thể bao gồm các chất xúc tác paladi như paladi-cacbon và chất xúc tác tương tự, các chất xúc

tác niken như Raney-niken và chất xúc tác tương tự, các chất xúc tác coban, các chất xúc tác ruteni, các chất xúc tác rođi, các chất xúc tác platin, và các chất xúc tác tương tự, và ví dụ về dung môi có thể bao gồm nước; các rượu như metanol, etanol, và các dung môi tương tự; các hyđrocacbon thơm như benzen, toluen, và các hyđrocacbon thơm tương tự; các mạch ete hoặc ete vòng như ete, đioxan, tetrahyđrofuran, và các ete tương tự; và các este như etyl axetat và các este tương tự. Áp suất có thể được chọn thích hợp nằm trong khoảng từ 0,1 MPa đến 10 MPa, nhiệt độ phản ứng có thể được chọn thích hợp nằm trong khoảng từ -20°C đến nhiệt độ hồi lưu của dung môi được sử dụng, và thời gian phản ứng có thể được chọn thích hợp nằm trong khoảng từ vài phút đến 96 giờ, nhờ đó hợp chất có công thức (24) hoặc Công thức (29) có thể được điều chế một cách hiệu quả.

Ví dụ về phương pháp có sử dụng hợp chất kim loại bao gồm phương pháp sử dụng thiếc clorua (anhyđrit) làm hợp chất kim loại trong các điều kiện được mô tả trong "Organic Syntheses" Coll. Vol. III, trang 453.

1-(iii): Công thức (24) + Công thức (26) → Công thức (25)

Dẫn xuất carboxamit hoặc carbamat thơm được thể hiện bằng Công thức (25) có thể được điều chế bằng cách cho dẫn xuất amin thơm được thể hiện bằng Công thức (24) phản ứng với dẫn xuất của axit carboxylic hoặc dẫn xuất cacbonat este có nhóm rời chuyển được thể hiện bằng Công thức (26) trong dung môi thích hợp. Trong bước này, bazơ hoặc dung môi thích hợp có thể được sử dụng, và để làm bazơ hoặc dung môi này, các bazơ hoặc dung môi được minh họa trong mục 1-(i) có thể được sử dụng. Ví dụ về nhiệt độ phản ứng, thời gian phản ứng, và các điều kiện tương tự có thể gồm các điều kiện được minh họa trong mục 1-(i).

Trong Công thức (26), dẫn xuất cacbonyl clorua có thể được điều chế một cách dễ dàng từ dẫn xuất của axit carboxylic bằng phương pháp chung có sử dụng chất halogen hóa. Chất halogen hóa có thể bao gồm các chất được minh họa trong mục 1-(i).

Có thể có phương pháp điều chế hợp chất được thể hiện bằng Công thức (25) từ dẫn xuất của axit carboxylic (26) và hợp chất được thể hiện bằng Công thức (24) mà không sử dụng chất halogen hóa, và việc điều chế có thể được tiến hành theo phương pháp được minh họa trong mục 1-(i).

1-(iv): Công thức (25) + Công thức (27) → Công thức (1)

Hợp chất được thể hiện bằng Công thức (1) theo sáng chế có thể được điều chế bằng cách cho hợp chất amit được thể hiện bằng Công thức (25) phản ứng với hợp chất có nhóm rời chuyển như halogen và nhóm tương tự, được thể hiện bằng Công thức (27) trong dung môi hoặc không cần dung môi. Trong bước này, bazơ hoặc dung môi thích hợp có thể được sử dụng, và để làm bazơ hoặc dung môi này, các bazơ hoặc dung môi được minh họa trong mục 1-(i) có thể được sử dụng. Ví dụ về nhiệt độ phản ứng, thời gian phản ứng, và các điều kiện tương tự có thể bao gồm các điều kiện được minh họa trong mục 1-(i).

1-(v): Công thức (28) + Công thức (30) → Công thức (23)

Hợp chất được thể hiện bằng Công thức (23) có thể được điều chế bằng cách cho hợp chất amit được thể hiện bằng Công thức (28) phản ứng với hợp chất có nhóm rời chuyển như halogen và nhóm tương tự, được thể hiện bằng Công thức (30) trong dung môi hoặc không cần dung môi. Trong bước này, bazơ hoặc dung môi thích hợp có thể được sử dụng, và để làm bazơ hoặc dung môi này, các bazơ hoặc dung môi được minh họa trong mục 1-(i) có thể được sử dụng. Ví dụ về nhiệt độ phản ứng, thời gian phản ứng, và các điều kiện tương tự có thể gồm các điều kiện được minh họa trong mục 1-(i).

1-(vi): Công thức (29) → Công thức (31)

(Phương pháp A)

Hợp chất được thể hiện bằng Công thức (31) có thể được điều chế bằng cách cho hợp chất được thể hiện bằng Công thức (29) phản ứng với alđehyt hoặc keton trong dung môi, và cho chúng phản ứng trong môi trường hyđro có bổ sung chất xúc tác.

Dung môi có thể là bất kỳ trong số các dung môi mà không ức chế đáng kể quá trình phản ứng, và các ví dụ về dung môi có thể bao gồm hyđrocacbon béo như hexan, xyclohexan, metylxyclohexan, và hyđrocacbon béo tương tự, các hyđrocacbon thơm như benzen, xylen, toluen, và các hyđrocacbon thơm tương tự, các hyđrocacbon được halogen hóa như điclometan, clorofom, cacbon tetraclorua, 1,2-đicloetan, và các hyđrocacbon được halogen hóa tương tự, các ete như đietyl ete, đioxan, tetrahyđrofuran, 1,2-đimetoxy etan, và các ete tương tự, các amit như đimetyl formamit, đimetylaxetamit, và các amit tương tự, nitril như axetonitril, propionitril, và

các nitril tương tự, các keton như axeton, metyl isobutyl keton, xyclohexanon, metyl etyl keton, và các keton tương tự, các este như etyl axetat, butyl axetat, và các este tương tự, các rượu như 1,3-đimetyl-2-imiđazoliđinon, sulfolan, đimetylsulfoxit, metanol, etanol, và các rượu tương tự, và nước. Các dung môi này có thể được sử dụng một mình hoặc dưới dạng hỗn hợp của hai hoặc nhiều loại dung môi.

Ví dụ về chất xúc tác có thể bao gồm các chất xúc tác paladi như paladi-cacbon, paladi hyđroxit-cacbon, và chất xúc tác tương tự, các chất xúc tác niken như Raney-niken và chất xúc tác tương tự, các chất xúc tác coban, các chất xúc tác platin, các chất xúc tác ruteni, các chất xúc tác rođi, và các chất xúc tác tương tự.

Ví dụ về các alđehyt có thể bao gồm formalđehyt, axetalđehyt, propionalđehyt, trifloaxetalđehyt, đifloaxetalđehyt, floaxetalđehyt, cloaxetalđehyt, đicloaxetalđehyt, tricloaxetalđehyt, bromaxetalđehyt, và các alđehyt tương tự.

Ví dụ về các keton có thể gồm axeton, perfloaxeton, metyl etyl keton, và các keton tương tự.

Áp suất phản ứng có thể được chọn thích hợp nằm trong khoảng từ 1 at (100 kPa) đến 100 atm (10000kPa). Nhiệt độ phản ứng có thể được chọn thích hợp trong khoảng từ -20°C đến nhiệt độ hồi lưu của dung môi được sử dụng. Ngoài ra, thời gian phản ứng có thể được chọn thích hợp trong khoảng từ vài phút đến 96 giờ.

(Phương pháp B)

Hợp chất được thể hiện bằng Công thức (31) có thể được điều chế bằng cách cho hợp chất được thể hiện bằng Công thức (29) phản ứng với alđehyt hoặc keton trong dung môi, và xử lý sản phẩm bằng tác nhân khử.

Dung môi có thể là bất kỳ trong số các dung môi mà không ức chế đáng kể quá trình phản ứng, và ví dụ về dung môi có thể bao gồm các hyđrocacbon béo như hexan, xyclohexan, metylxyclohexan, và các hyđrocacbon béo tương tự, các hyđrocacbon thơm như benzen, xylen, toluen, và các hyđrocacbon thơm tương tự, các hyđrocacbon được halogen hóa như điclometan, clorofom, cacbon tetraclorua, 1,2-đicloetan, và các hyđrocacbon được halogen hóa tương tự, các ete như đietyl ete, đioxan, tetrahyđrofuran, 1,2-đimetoxy etan, và các ete tương tự, các amit như đimetyl formamit, đimetylaxetamit, và các amit tương tự, nitril như axetonitril, propionitril, và

các nitril tương tự, các keton như axeton, metyl isobutyl keton, xyclohexanon, metyl etyl keton, và các keton tương tự, các este như etyl axetat, butyl axetat, và các este tương tự, các rượu như 1,3-đimetyl-2-imiđazoliđinon, sulfolan, đimetylsulfoxit, metanol, etanol, và các rượu tương tự, nước, và các dung môi tương tự. Các dung môi này có thể được sử dụng một mình hoặc dưới dạng hỗn hợp của hai hoặc nhiều loại dung môi.

Ví dụ về tác nhân khử có thể bao gồm, ví dụ, bohyđrua như natri bohyđrua, natri xyanobohyđrua, natri triaxetat bohyđrua, và các tác nhân khử tương tự.

Ví dụ về các alđehyt có thể bao gồm formalđehyt, axetalđehyt, propionalđehyt, trifloaxetalđehyt, đifloaxetalđehyt, floaxetalđehyt, cloaxetalđehyt, đicloaxetalđehyt, tricloaxetalđehyt, bromaxetalđehyt, và các alđehyt tương tự.

Ví dụ về keton có thể bao gồm axeton, perfloaxeton, metyl etyl keton, và các keton tương tự.

Nhiệt độ phản ứng có thể được chọn thích hợp nằm trong khoảng từ -20°C đến nhiệt độ hồi lưu của dung môi được sử dụng. Ngoài ra, thời gian phản ứng có thể được chọn thích hợp nằm trong khoảng từ vài phút đến 96 giờ.

(Phương pháp C)

Hợp chất có công thức (31) có thể được điều chế bằng cách cho hợp chất được thể hiện bằng Công thức (29) phản ứng với alđehyt trong dung môi hoặc không cần dung môi.

Dung môi có thể là bất kỳ trong số các dung môi mà không ức chế đáng kể quá trình phản ứng, và các ví dụ về dung môi có thể bao gồm các hyđrocacbon béo như hexan, xyclohexan, metylxyclohexan, và các hyđrocacbon béo tương tự, các hyđrocacbon thơm như benzen, xylen, toluen, và các hyđrocacbon thơm tương tự, các hyđrocacbon được halogen hóa như điclometan, clorofom, cacbon tetraclorua, 1,2-đicloetan, và các hyđrocacbon được halogen hóa tương tự, các ete như đietyl ete, đioxan, tetrahyđrofuran, 1,2-đimetoxy etan, và các ete tương tự, các amit như đimetyl formamit, đimetylaxetamit, và các amit tương tự, nitril như axetonitril, propionitril, và các nitril tương tự, các keton như axeton, metyl isobutyl keton, xyclohexanon, metyl etyl keton, và các keton tương tự, các este như etyl axetat, butyl axetat, và các este

tương tự, các rượu như 1,3-đimetyl-2-imiđazoliđinon, sulfolan, đimetylsulfoxit, metanol, etanol, và các rượu tương tự, các axit vô cơ như axit sulfuric, axit clohyđric, và các axit vô cơ tương tự, các axit hữu cơ như axit formic, axit axetic, và các axit hữu cơ tương tự, nước, và các dung môi tương tự. Các dung môi này có thể được sử dụng một mình hoặc dưới dạng hỗn hợp của hai hoặc nhiều loại của chúng.

Ví dụ về alđehyt có thể bao gồm formalđehyt, axetalđehyt, propionalđehyt, và các alđehyt tương tự.

Nhiệt độ phản ứng có thể được chọn thích hợp trong khoảng từ -20°C đến nhiệt độ hồi lưu của dung môi được sử dụng, và thời gian phản ứng có thể được chọn thích hợp trong khoảng từ vài phút đến 96 giờ.

1-(vii): Công thức (31) + Công thức (26) → Công thức chung (32)

Dẫn xuất carboxamit hoặc carbamat thơm được thể hiện bằng Công thức (32) có thể được điều chế bằng cách cho dẫn xuất amin thơm được thể hiện bằng Công thức (31) phản ứng với dẫn xuất của axit carboxylic hoặc dẫn xuất cacbonat este có nhóm rời chuyển được thể hiện bằng Công thức (26) trong dung môi thích hợp. Trong bước này, bazơ hoặc dung môi thích hợp có thể được sử dụng, và để làm bazơ hoặc dung môi này, các bazơ hoặc dung môi được minh họa trong mục 1-(i) có thể được sử dụng. Ví dụ về nhiệt độ phản ứng, thời gian phản ứng, và các điều kiện tương tự có thể bao gồm các điều kiện được minh họa trong mục 1-(i).

Trong Công thức (26), dẫn xuất cacbonyl clorua có thể được điều chế một cách dễ dàng từ dẫn xuất của axit carboxylic bằng phương pháp chung có sử dụng chất halogen hóa. Chất halogen hóa có thể bao gồm các hợp chất được minh họa trong mục 1-(i).

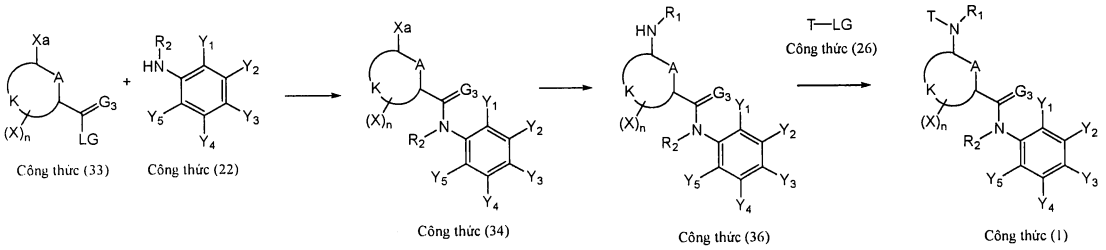
Có thể được lấy làm ví dụ là phương pháp sản xuất hợp chất được thể hiện bằng Công thức (32) từ dẫn xuất của axit carboxylic (26) và hợp chất được thể hiện bằng Công thức (31) mà không sử dụng chất halogen hóa, và việc điều chế có thể được tiến hành theo phương pháp được minh họa trong mục 1-(i).

1-(viii): Công thức (32) + Công thức (30) → Công thức (1)

Hợp chất được thể hiện bằng Công thức (1) theo sáng chế có thể được điều chế bằng cách cho hợp chất amit được thể hiện bằng Công thức (32) phản ứng với hợp

chất có nhóm rời chuyển như halogen và nhóm tương tự, được thể hiện bằng Công thức (30) trong dung môi hoặc không cần dung môi. Trong bước này, bazơ hoặc dung môi thích hợp có thể được sử dụng, và để làm bazơ hoặc dung môi này, các bazơ hoặc dung môi được minh họa trong mục 1-(i) có thể được sử dụng. Ví dụ về nhiệt độ phản ứng, thời gian phản ứng, và các điều kiện tương tự có thể gồm các điều kiện được minh họa trong mục 1-(i).

<Phương pháp điều chế 2>



2-(i): Công thức (33) + Công thức (22) → Công thức (34)

Hợp chất được thể hiện bằng Công thức (34) có thể được điều chế bằng cách cho hợp chất được thể hiện bằng Công thức (33) phản ứng với hợp chất được thể hiện bằng Công thức (22) trong điều kiện được mô tả trong mục 1-(i).

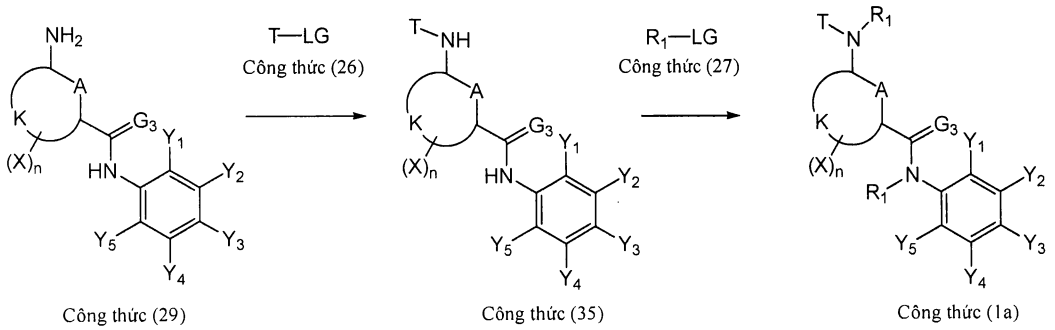
2-(ii): Công thức (34) → Công thức (36)

Hợp chất được thể hiện bằng Công thức (36) có thể được điều chế bằng cách tiến hành phản ứng amin hóa có sử dụng chất amin hóa như amoniac và chất tương tự theo các điều kiện được mô tả, ví dụ, trong J. Org. Chem. trang 280 (1958). Tuy nhiên, các điều kiện như dung môi phản ứng và các điều kiện tương tự không bị giới hạn ở các điều kiện được mô tả trong tài liệu, và dung môi trơ mà không ức chế một cách đáng kể sự tiến triển thích hợp của phản ứng có thể được sử dụng. Nhiệt độ phản ứng và thời gian phản ứng có thể được chọn thích hợp khi phản ứng diễn ra. Ngoài ra, ví dụ về chất amin hóa gồm metylamin, etylamin hoặc chất tương tự, ngoài amoniac.

2-(iii): Công thức (36) + Công thức (26) → Công thức (1)

Hợp chất được thể hiện bằng Công thức (1) có thể được điều chế bằng cách cho hợp chất được thể hiện bằng Công thức (36) phản ứng với hợp chất được thể hiện bằng Công thức (26) theo các điều kiện được mô tả trong mục 1-(i).

<Phương pháp điều chế 3>



3-(i): Công thức (29) + Công thức (26) → Công thức (35)

Dẫn xuất carboxamit hoặc carbamat thơm được thể hiện bằng Công thức (35) có thể được điều chế bằng cách cho dẫn xuất amin thơm được thể hiện bằng Công thức (29) phản ứng với dẫn xuất của axit carboxylic hoặc dẫn xuất cacbonat este có nhóm rời chuyển được thể hiện bằng Công thức (26) trong dung môi thích hợp. Trong bước này, bazơ hoặc dung môi thích hợp có thể được sử dụng, và để làm bazơ hoặc dung môi này, các bazơ hoặc dung môi được minh họa trong mục 1-(i) có thể được sử dụng. Ví dụ về nhiệt độ phản ứng, thời gian phản ứng, và điều kiện tương tự có thể bao gồm các điều kiện được minh họa trong mục 1-(i).

Trong Công thức (26), dẫn xuất cacbonyl clorua có thể được điều chế một cách dễ dàng từ dẫn xuất của axit carboxylic bằng phương pháp chung có sử dụng chất halogen hóa. Chất halogen hóa có thể bao gồm các hợp chất được minh họa trong mục 1-(i).

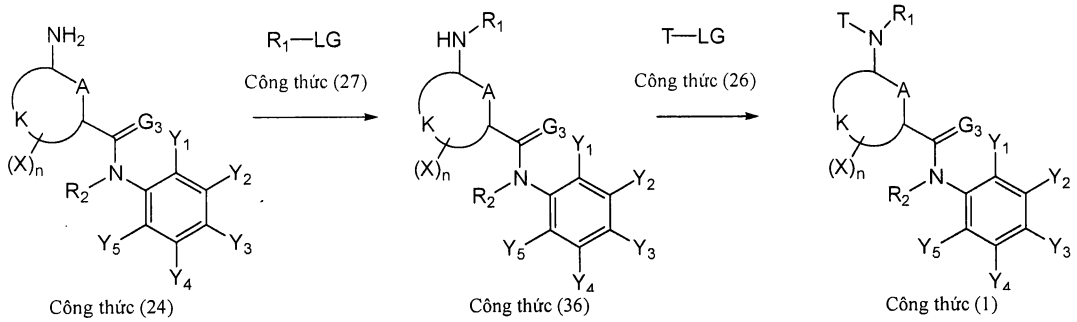
Có thể được lấy làm ví dụ là phương pháp sản xuất hợp chất được thể hiện bằng Công thức (35) từ dẫn xuất của axit carboxylic (26) và hợp chất được thể hiện bằng Công thức (29) mà không sử dụng chất halogen hóa, và việc điều chế có thể được tiến hành theo phương pháp được minh họa trong mục 1-(i).

3-(ii): Công thức (35) + Công thức (27) → Công thức (1a)

Hợp chất được thể hiện bằng Công thức (1a) theo sáng chế có thể được điều chế bằng cách cho hợp chất amit được thể hiện bằng Công thức (35) phản ứng với hợp chất có nhóm rời chuyển như halogen và các hợp chất tương tự, được thể hiện bằng Công thức (27) trong dung môi hoặc không cần dung môi. Trong bước này, bazơ hoặc dung môi thích hợp có thể được sử dụng, và để làm bazơ hoặc dung môi này, các bazơ

hoặc dung môi được minh họa trong mục 1-(i) có thể được sử dụng. Ví dụ về nhiệt độ phản ứng, thời gian phản ứng, và điều kiện tương tự có thể bao gồm các dạng được minh họa trong mục 1-(i).

<Phương pháp điều chế 4>



Công thức (24) Công thức (36) Công thức (1)

4-(i): Công thức (24) → Công thức (36)

Hợp chất được thể hiện bằng Công thức (36) có thể được điều chế bằng cách cho phản ứng hợp chất được thể hiện bằng Công thức (24) làm nguyên liệu ban đầu theo các điều kiện của (Phương pháp A), (Phương pháp B), hoặc (Phương pháp C) được mô tả trong mục 1-(vi).

4-(i'): Công thức (24) + Công thức (27) → Công thức (36)

Carboxamit thơm được thể hiện bằng Công thức (36) có thể được điều chế bằng cách cho dẫn xuất amin thơm được thể hiện bằng Công thức (24) phản ứng với dẫn xuất của axit carboxylic hoặc dẫn xuất este cacbonat có nhóm rời chuyển được thể hiện bằng Công thức (27) trong dung môi thích hợp. Trong bước này, bazơ hoặc dung môi thích hợp có thể được sử dụng, và để làm bazơ hoặc dung môi này, các bazơ hoặc dung môi được minh họa trong mục 1-(i) có thể được sử dụng. Ví dụ về nhiệt độ phản ứng, thời gian phản ứng, và điều kiện tương tự có thể bao gồm các điều kiện được minh họa trong mục 1-(i).

Trong Công thức (27), dẫn xuất cacbonyl clorua có thể được điều chế một cách dễ dàng từ dẫn xuất của axit carboxylic bằng phương pháp chung sử dụng chất halogen hóa. Chất halogen hóa có thể bao gồm các hợp chất được minh họa trong mục 1-(i).

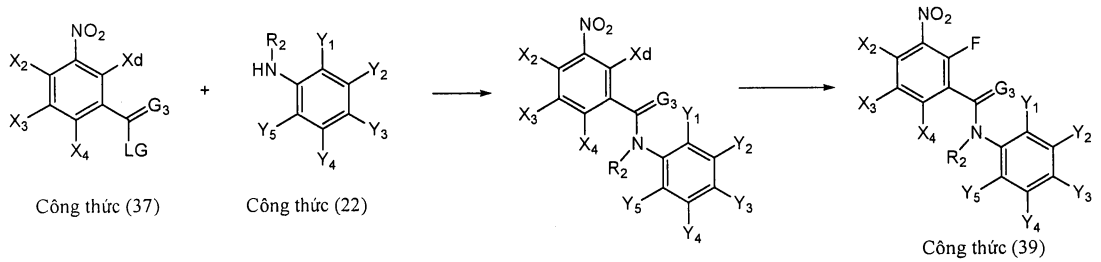
Có thể được lấy làm ví dụ là phương pháp sản xuất hợp chất được thể hiện bằng Công thức (36) từ dẫn xuất của axit carboxylic (27) và hợp chất được thể hiện

bằng Công thức (24) mà không sử dụng chất halogen hóa, và việc điều chế có thể được tiến hành theo phương pháp được minh họa trong mục 1-(i).

4-(ii): Công thức (36) + Công thức (26) → Công thức (1)

Hợp chất được thể hiện bằng Công thức (1) có thể được điều chế bằng cách cho hợp chất được thể hiện bằng Công thức (36) phản ứng với hợp chất được thể hiện bằng Công thức (26) làm nguyên liệu ban đầu theo các điều kiện được mô tả trong mục 1-(i).

<Phương pháp điều chế 5>



Công thức (37) Công thức (22) Công thức (38) Công thức (39)

5-(i): Công thức (37) + Công thức (22) → Công thức (38)

Hợp chất được thể hiện bằng Công thức (38) có thể được điều chế bằng cách cho hợp chất được thể hiện bằng Công thức (37) phản ứng với hợp chất được thể hiện bằng Công thức (22) theo các điều kiện được mô tả trong mục 1-(i).

5-(ii): Công thức (38) → Công thức (39)

Hợp chất được thể hiện bằng Công thức (39) có thể được điều chế bằng cách cho dẫn xuất carboxamit thơm có nitro được thể hiện bằng Công thức (38) phản ứng với chất tạo flo thích hợp trong dung môi thích hợp hoặc không cần dung môi.

Dung môi có thể là bất kỳ trong số các dung môi mà không ức chế đáng kể quá trình phản ứng, và ví dụ về dung môi có thể bao gồm các hyđrocacbon béo như hexan, xyclohexan, metylxyclohexan, và các hyđrocacbon béo tương tự, các hyđrocacbon thơm như benzen, toluen, xylen, và các hyđrocacbon thơm tương tự, các hyđrocacbon được halogen hóa như điclometan, clorofom, cacbon tetraclorua, 1,2-đicloetan, và các hyđrocacbon được halogen hóa tương tự, các mạch ete hoặc ete vòng như đietyl ete, đioxan, tetrahyđrofuran, 1,2-đimetoxy etan, và các ete tương tự, các este như etyl axetat, butyl axetat, và các este tương tự, các keton như axeton, metyl

isobutyl keton, xyclohexanon, metyl etyl keton, và các keton tương tự, các nitril như axetonitril, propionitril, và các nitril tương tự, và dung môi phân cực không proton như 1,3-đimetyl-2-imiđazoliđinon, sulfolan, đimetylsulfoxit, N,N-đimetyl formamit, N-metyl pyroliđon, N,N-đimetylaxetamit, và các dung môi tương tự. Các dung môi này có thể được sử dụng một mình hoặc dưới dạng hỗn hợp của hai hoặc nhiều loại dung môi.

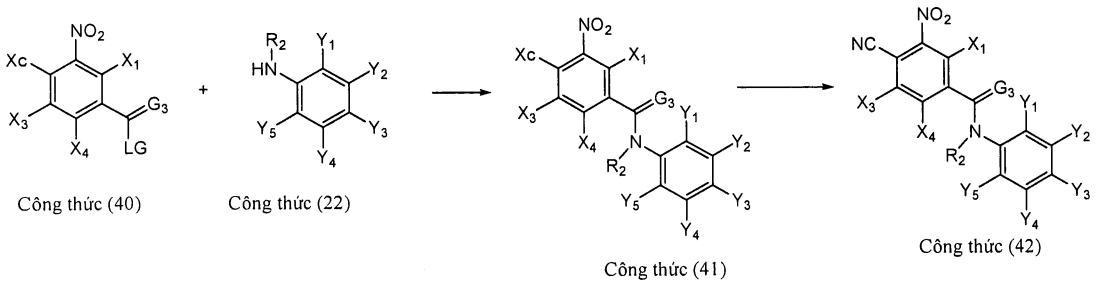
Ví dụ về tác nhân flo hóa có thể bao gồm 1,1,2,2-tetrafloetyl đietylamin, 2-clo-1,1,2-trifloetyl đietylamin, triflođiphenylphospholan, điflotriphenylphospholan, các este của axit floroformic, lưu huỳnh tetraflorua, kali florua, kali hyđro florua, xesi florua, rubiđi florua, natri florua, lithi florua, antimon (III) florua, antimon (V) florua, kẽm florua, coban florua, chì florua, đồng florua, thủy ngân (II) florua, bạc florua, bạc floborat, tali (I) florua, molypđen (VI) florua, arsen (III) florua, brom florua, selen tetraflorua, tris(đimetylamino)sulfoni điflotrimetylsilicat, natri hexaflosilicat, amoni florua bậc bốn, (2-cloetyl) đietylamin, đietylamino lưu huỳnh triflorua, morpholino lưu huỳnh triflorua, silic tetraflorua, hyđro florua, axit flohyđric, phức chất hyđro florua-pyriđin, phức chất hyđro florua-trietylamin, muối hyđro florua, bis(2-metoxyetyl)amino lưu huỳnh triflorua, 2,2-điflo-1,3-đimetyl-2-imiđazoliđinon, iot pentaflorua, tris(đietylamino)phosphoni 2,2,3,3,4,4-hexafloxyclobutanilit, trietylamoni hexafloxyclobutanilit, hexaflopropen, và các hợp chất tương tự. Các tác nhân flo hóa này có thể được sử dụng một mình hoặc dưới dạng hỗn hợp của hai hoặc nhiều loại của nó.

Tác nhân flo hóa có thể được chọn thích hợp và được sử dụng làm dung môi, nằm trong khoảng từ 1 lần đương lượng mol đến 10 lần đương lượng mol đối với dẫn xuất carboxamit thơm có nitro được thể hiện bằng Công thức (38).

Các chất phụ gia có thể được sử dụng, và ví dụ về chất phụ gia có thể bao gồm các ete crao như 18-crao -6 và các chất tương tự, các chất xúc tác chuyển pha như muối tetraphenylphosphoni và các muối tương tự, các muối vô cơ như canxi florua, canxi clorua, và các muối tương tự, các oxit kim loại như thủy ngân oxit và các oxit tương tự, nhựa trao đổi ion, và các chất tương tự. Các chất phụ gia này không chỉ có thể được bổ sung vào hệ phản ứng mà còn được dùng làm tác nhân tiền xử lý cho tác nhân flo hóa.

Nhiệt độ phản ứng có thể được chọn thích hợp nằm trong khoảng từ -80°C đến nhiệt độ hồi lưu của dung môi được sử dụng, và thời gian phản ứng có thể được chọn thích hợp nằm trong khoảng từ vài phút đến 96 giờ.

<Phương pháp điều chế 6>



Công thức (40) Công thức (22) Công thức (41) Công thức (42)

6-(i): Công thức (40) + Công thức (22) → Công thức (41)

Hợp chất được thể hiện bằng Công thức (41) có thể được điều chế bằng cách cho hợp chất được thể hiện bằng Công thức (40) phản ứng với hợp chất được thể hiện bằng Công thức (22) theo các điều kiện được mô tả trong mục 1-(i).

6-(ii): Công thức (41) → Công thức (42)

Hợp chất được thể hiện bằng Công thức (42) có thể được điều chế bằng cách cho dẫn xuất carboxamit thơm có halogen được thể hiện bằng Công thức (41) phản ứng với tác nhân xyanat hóa thích hợp trong dung môi thích hợp hoặc không cần dung môi.

Dung môi có thể là bất kỳ trong số các dung môi mà không ức chế một cách đáng kể sự tiến triển của phản ứng. Các ví dụ về dung môi có thể bao gồm các hyđrocacbon béo như hexan, xyclohexan, metylxyclohexan, và các hyđrocacbon béo tương tự, các hyđrocacbon thơm như benzen, toluen, xylen, và các hyđrocacbon thơm tương tự, các hyđrocacbon được halogen hóa như điclometan, clorofom, cacbon tetraclorua, 1,2-đicloetan, và các hyđrocacbon được halogen hóa tương tự, các mạch ete hoặc ete vòng như đietyl ete, đioxan, tetrahyđrofuran, 1,2-đimetoxy etan, và các ete tương tự, các este như etyl axetat, butyl axetat, và các este tương tự, các keton như axeton, metyl isobutyl keton, xyclohexanon, metyl etyl keton, và các keton tương tự, các nitril như axetonitril, propionitril, và các nitril tương tự, và dung môi phân cực không proton như 1,3-đimetyl-2-imiđazoliđinon, sulfolan, đimetylsulfoxit, N,N-

đimetyl formamit, N-metyl pyroliđon, N,N-đimetylaxetamit, và các dung môi tương tự. Các dung môi này có thể được sử dụng một mình hoặc dưới dạng hỗn hợp của hai hoặc nhiều loại dung môi.

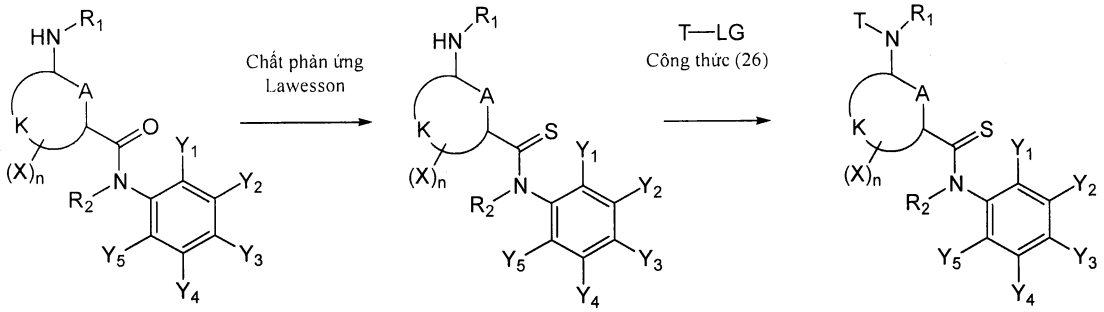
Ví dụ về tác nhân xyanat hóa bao gồm các muối xyanua như natri xyanua, kali xyanua, natri xyanobohyđrua, và các muối tương tự, xyanua kim loại như đồng xyanua, bạc xyanua, lithi xyanua, và các xyanua tương tự, hyđro xyanua, tetraetylamoni xyanua, và các xyanua tương tự.

Tác nhân xyanat hóa này có thể được chọn thích hợp và được sử dụng trong trong khoảng từ 1 lần đương lượng mol đến 10 lần đương lượng mol đối với dẫn xuất carboxamit thơm có halogen được thể hiện bằng Công thức (41).

Các chất phụ gia có thể được sử dụng, và ví dụ về chất phụ gia có thể bao gồm các ete crao như 18-crao-6 và các ete tương tự, các chất xúc tác chuyển pha như muối tetraphenylphosphoni và các chất xúc tác tương tự, các muối vô cơ như natri iođua và các muối vô cơ tương tự.

Nhiệt độ phản ứng có thể được chọn thích hợp nằm trong khoảng từ -20°C đến nhiệt độ hồi lưu của dung môi được sử dụng. Ngoài ra, thời gian phản ứng có thể được chọn thích hợp nằm trong khoảng từ vài phút đến 96 giờ.

<Phương pháp điều chế 7>



Công thức (43) Công thức (44) Công thức (45)

7-(i): Công thức (43) → Công thức (44)

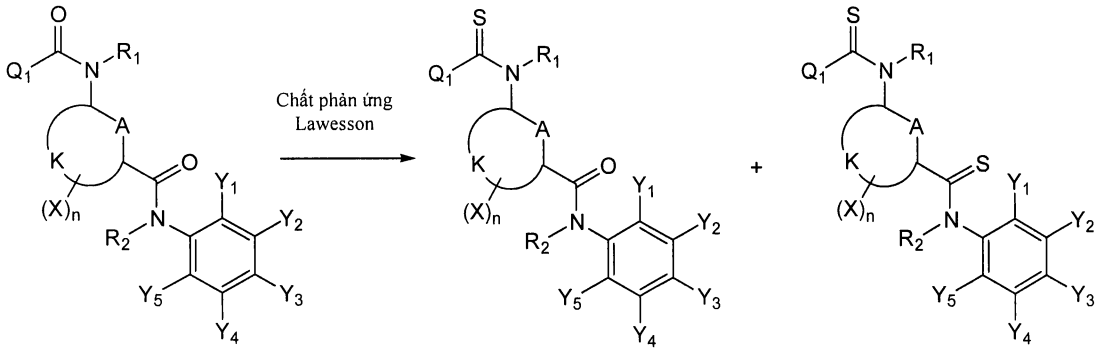
Hợp chất được thể hiện bằng Công thức (44) có thể được điều chế bằng cách cho hợp chất được thể hiện bằng Công thức (43) phản ứng với chất phản ứng Lawesson theo các điều kiện đã biết được mô tả trong Synthesis, trang 463 (1993), Synthesis, trang 829 (1984) và các chất tương tự. Các điều kiện như dung môi, nhiệt độ phản ứng và các điều kiện tương tự không bị giới hạn ở các điều kiện mô tả trong

tài liệu.

2-(ii): Công thức (44) + Công thức (26) → Công thức (45)

Hợp chất được thể hiện bằng Công thức (45) có thể được điều chế bằng cách cho hợp chất được thể hiện bằng Công thức (44) phản ứng với hợp chất được thể hiện bằng Công thức (26) theo các điều kiện được mô tả trong mục 1-(i).

<Phương pháp điều chế 8>

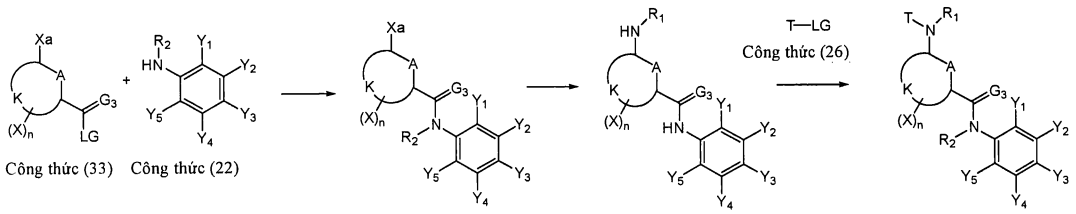


Công thức (46) Công thức (47) Công thức (48)

8: Công thức (46) → Công thức (47) + Công thức (48)

Các hợp chất được thể hiện bằng Công thức (47) và Công thức (48) có thể được điều chế từ hợp chất được thể hiện bằng Công thức (46) theo các điều kiện được mô tả trong mục 7-(i). Các điều kiện như dung môi, nhiệt độ phản ứng, và điều kiện tương tự không bị giới hạn ở các điều kiện được mô tả trong tài liệu. Hai hợp chất này có thể được tách ra một cách dễ dàng và được tinh chế bằng kỹ thuật tách và tinh chế đã biết như sắc ký cột silicagel và các phương pháp tương tự.

<Phương pháp điều chế 9>



Công thức (33) Công thức (22) Công thức (34) Công thức (31) Công thức (1)

9-(i): Công thức (49) + Công thức (26) → Công thức (50)

Axit carboxylic có nhóm axylamino được thể hiện bằng Công thức (50) có thể được điều chế bằng cách cho axit carboxylic có nhóm amino được thể hiện bằng Công

thức (49) làm nguyên liệu ban đầu phản ứng với hợp chất được thể hiện bằng Công thức (26) theo các điều kiện được mô tả trong mục 1-(i).

9-(ii): Công thức (50) → Công thức (51)

Hợp chất được thể hiện bằng Công thức (51) có thể được điều chế bằng phương pháp chung đã biết bao gồm cho hợp chất được thể hiện bằng Công thức (50) phản ứng với thionyl clorua, oxalyl clorua, phosgen, phospho oxyclorua, phospho pentaclorua, phospho triclorua, thionyl bromua, phospho tribromua, đietylamino lưu huỳnh triflorua, hoặc các hợp chất tương tự.

9-(iii): Công thức (51) + Công thức (22) → Công thức (1)

Hợp chất được thể hiện bằng Công thức (1) có thể được điều chế bằng cách cho hợp chất được thể hiện bằng Công thức (51) phản ứng với hợp chất được thể hiện bằng Công thức (22) theo các điều kiện được mô tả trong 1-(i).

9-(iv): Công thức (50) + Công thức (22) → Công thức (1)

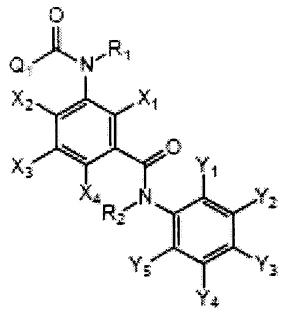
Hợp chất được thể hiện bằng Công thức (1) có thể được điều chế bằng cách cho hợp chất được thể hiện bằng Công thức (50) phản ứng với hợp chất được thể hiện bằng Công thức (22) theo điều kiện có sử dụng tác nhân làm ngưng tụ hoặc điều kiện có sử dụng phương pháp anhyđrit hỗn hợp theo mục 1-(i).

Trong tất cả phương pháp điều chế như được mô tả ở trên, sản phẩm mong muốn có thể được tách ra từ hệ phản ứng sau khi phản ứng hoàn thành theo phương pháp chung, nhưng nếu cần, có thể tiến hành tinh chế bằng các công đoạn như tái kết tinh, sắc ký cột, chưng cất, và các kỹ thuật tương tự. Ngoài ra, sản phẩm mong muốn cũng có thể được tạo ra theo quy trình phản ứng tiếp theo mà không cần phải tách ra khỏi hệ thống phản ứng.

Dưới đây, các ví dụ về các hợp chất minh họa của dẫn xuất amit được thể hiện bằng Công thức (1), Công thức (7), hoặc Công thức (8) dùng làm hoạt chất cho chất diệt trừ loài gây hại theo sáng chế sẽ được đưa ra trong bảng 1 đến bảng 51 dưới đây, nhưng sáng chế sẽ không bị giới hạn ở các hợp chất này.

Ngoài ra, trong các bảng, "n-" thể hiện là bình thường, "i-" là iso, "s-" là bậc hai, "t-" là bậc ba, "Me" là nhóm metyl, "Et" là nhóm etyl, "n-Pr" là nhóm propyl thông thường, "i-Pr" là nhóm isopropyl, "n-Bu" là nhóm butyl thông thường, "i-Bu" là

nhóm isobutyl, "s-Bu" là nhóm butyl bậc hai, "t-Bu" là nhóm butyl bậc ba, "CF3" là nhóm triflometyl, "C2F5" là nhóm pentafloetyl, "n-C3F7" là nhóm heptaflo propyl bình thường, "i-C3F7" là nhóm heptafloisopropyl, "OCF3" là nhóm triflometoxy, "OC2F5" là nhóm pentafloetoxy, "H" là nguyên tử hyđro, "F" là nguyên tử flo, "Cl" là nguyên tử clo, "Br" là nguyên tử brom, "I" là nguyên tử iot, "O" là nguyên tử oxy, "C(O)" là nhóm cacbonyl, "CN" là nhóm xyano, "Py" là nhóm pyriđyl, "Ph" là nhóm phenyl, và "$S(O)_2$" là nhóm sulfonyl.



Bảng 1(1)

Số hợp chất	Q_1	R_1	R_2	X_1	X_2	X_3	X_4	Y_1	Y_2	Y_3	Y_4	Y_5
1-1	phenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
1-13	4-iodophenyl	H	H	H	CN	H	H	Cl	H	pentafloetyl	H	OCF3
1-16	4-triflometyl)phenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	OC2F5
1-17	2-nitrophenyl	H	H	H	CN	H	H	F	H	heptafloisopropyl	H	OCF3
1-20	2-xyanophenyl	H	H	H	CN	H	H	Cl	H	pentafloetyl	H	OC2F5
1-21	3-xyanophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
1-22	4-xyanophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
1-28	4-brom-2-clophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	OC2F5
1-36	2-flopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	pentafloetyl	H	OCF3
1-37	2-clopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
1-44	6-clopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	OC2F5
1-50	5-flopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	OC2F5
1-55	5-nitropyriđin-3-yl	H	H	H	CN	H	H	Cl	H	pentafloetyl	H	OCF3
1-57	4-flopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	pentafloetyl	H	OCF3
1-59	4-brompyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	OC2F5
1-60	4-iođopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	OC2F5
1-79	phenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
1-95	2-nitrophenyl	H	H	H	CN	H	H	F	H	nonaflo-2-butyl	H	OCF3
1-99	3-xyanophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
1-100	4-xyanophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
1-105	2-clo-4,5-điflophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OC2F5
1-115	2-clopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
1-121	6-flopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OC2F5
1-130	5-brompyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OC2F5
1-131	5-iođopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OC2F5
1-139	4-triflometyl)pyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OC2F5
1-140	4-nitropyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OC2F5

1-157	phenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
1-177	3-xyanophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
1-178	4-xyanophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
1-193	2-clopyriđin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
1-200	6-clopyriđin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
1-222	pyriđin-4-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
1-235	phenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
1-255	3-xyanophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
1-256	4-xyanophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
1-271	2-clopyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
1-313	phenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	OCF3
1-314	2-flophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	OCF3
1-333	3-xyanophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	OCF3
1-334	4-xyanophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	OCF3
1-349	2-clopyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	OCF3
1-356	6-clopyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	OCF3
1-391	phenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
1-411	3-xyanophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
1-412	4-xyanophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
1-427	2-clopyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
1-434	6-clopyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
1-469	phenyl	H	H	H	CN	H	H	F	H	heptafloisopropyl	H	CF3
1-470	phenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-471	2-flophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-472	3-flophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-473	4-flophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-474	2-clophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-475	3-clophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-476	4-clophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-477	2-bromphenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3

Bảng 1(2)

Số hợp chất	Q_1	R_1	R_2	X_1	X_2	X_3	X_4	Y_1	Y_2	Y_3	Y_4	Y_5
1-478	3-bromphenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-479	4-bromphenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-480	2-iođophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-481	3-iođophenyl	H	H	H	CN	H	H	Cl	H	pentafloetyl	H	CF3
1-482	4-iođophenyl	H	H	H	CN	H	H	Cl	H	pentafloetyl	H	CF3
1-483	2-triflometyl)phenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-484	3-triflometyl)phenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-485	4-triflometyl)phenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-486	2-nitrophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-487	3-nitrophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-488	4-nitrophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-489	2-xyanophenyl	H	H	H	CN	H	H	Cl	H	pentafloetyl	H	C2F5
1-490	3-xyanophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-491	4-xyanophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-492	2,6-điflophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-493	3,4-điclophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-494	2,4-điclophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	C2F5
1-495	2-clo-4-flophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-496	2-clo-4,5-điflophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-497	4-brom-2-clophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-498	2-brom-4-clophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
1-499	2-brom-4-flophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-500	2-clo-4-nitrophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-501	3,5-đixyanophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-502	4-xyano-2-flophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-503	2-clo-4- xyanophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-504	pyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-505	2-flopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	pentafloetyl	H	CF3
1-506	2-clopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-507	2-brompyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-508	2-iođopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-509	2-triflometyl)pyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-510	2-nitropyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-511	2-xyanopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3

1-512	6-flopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-513	6-clopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-514	6-brompyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-515	6-iođopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-516	6-(triflometyl)pyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-517	6-nitropyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-518	6-xyanopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-519	5-flopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	C2F5
1-520	5-clopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-521	5-brompyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
1-522	5-iođopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	i-C3F7
1-523	5-(triflometyl)pyridin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-524	5-nitropyriđin-3-yl	H	H	H	CN	H	H	Cl	H	pentafloetyl	H	CF3
1-525	5-xyanopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-526	4-flopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	pentafloetyl	H	CF3
1-527	4-clopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-528	4-brompyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
1-529	4-iođopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	i-C3F7
1-530	4-(triflometyl)pyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-531	4-nitropyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-532	4-xyanopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-533	2,6-điclopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-534	pyriđin-3-yl N-oxit	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-535	pyriđin-4-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-536	2-clopyriđin-4-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-537	3-brompyriđin-4-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-538	3,5-điclopyriđin-4-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-539	3-triflometyl)pyriđin-4-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-540	2,6-đixyanopyriđin-4-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-541	pyriđin-4-yl N-oxit	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-542	pyriđin-2-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3

Bảng 1(3)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
1-543	3-clopyriđin-2-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-544	4-brompyriđin-2-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-545	5-iođopyriđin-2-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-546	6-clopyriđin-2-yl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-547	4-xyanopyriđin-2-yl	H	H	H	CN	H	H	Cl	H	pentafloetyl	H	CF3
1-548	phenyl	H	H	H	CN	H	H	F	H	nonaflo-2-butyl	H	CF3
1-549	phenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-550	2-flophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-551	3-flophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-552	4-flophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-553	2-clophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-554	3-clophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-555	4-clophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-556	2-bromphenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-557	3-bromphenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-558	4-bromphenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-559	2-iođophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-560	3-iođophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-561	4-iođophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-562	(2-triflometyl)phenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
1-563	(3-triflometyl)phenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-564	(4-triflometyl)phenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-565	2-nitrophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-566	3-nitrophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-567	4-nitrophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-568	2-xyanophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-569	3-xyanophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-570	4-xyanophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-571	2,6-điflophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-572	3,4-điclophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-573	2,4-điclophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-574	2-clo-4-flophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-575	2-clo-4,5-điflophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3

1-576	4-brom-2-clophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-577	2-brom-4-clophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-578	2-brom-4-flophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-579	2-clo-4-nitrophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
1-580	3,5-dixyanophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-581	4-xyano-2-flophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-582	2-clo-4-xyanophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-583	pyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-584	2-flopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-585	2-clopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-586	2-brompyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-587	2-iođopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-588	2-(triflometyl)pyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-589	2-nitropyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-590	2-xyanopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-591	6-flopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-592	6-clopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-593	6-brompyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-594	6-iođopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-595	6-(triflometyl)pyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-596	6-nitropyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-597	6-xyanopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-598	5-flopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
1-599	5-clopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-600	5-brompyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
1-601	5-iođopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
1-602	5-(triflometyl)pyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-603	5-nitropyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-604	5-xyanopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-605	4-flopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
1-606	4-clopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-607	4-brompyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3

Bảng 1(4)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
1-608	4-iođopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-609	4-(triflometyl)pyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
1-610	4-nitropyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
1-611	4-xyanopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-612	2,6-điclopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-613	pyriđin-3-yl N-oxit	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-614	pyriđin-4-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-615	2-clopyriđin-4-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-616	3-brompyriđin-4-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-617	3,5-điclopyriđin-4-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-618	3-(triflometyl)pyriđin-4-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-619	2,6-đixyanopyriđin-4-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-620	pyriđin-4-yl N-oxit	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-621	pyriđin-2-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-622	3-clopyriđin-2-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-623	4-brompyriđin-2-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-624	5-iođopyriđin-2-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-625	6-clopyriđin-2-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-626	4-xyanopyriđin-2-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
1-627	phenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-628	2-flophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-629	3-flophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-630	4-flophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-631	2-clophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-632	3-clophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-633	4-clophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-634	2-bromphenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-635	3-bromphenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-636	4-bromphenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-637	2-iođophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-638	3-iođophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-639	4-iođophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3

1-640	(2-triflometyl)phenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-641	(3-triflometyl)phenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-642	(4-triflometyl)phenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-643	2-nitrophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-644	3-nitrophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-645	4-nitrophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-646	2-xyanophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-647	3-xyanophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-648	4-xyanophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-649	2,6-diflophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-650	3,4-diclophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-651	2,4-diclophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-652	2-clo-4-flophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-653	2-clo-4,5-diflophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-654	4-brom-2-clophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-655	2-brom-4-clophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-656	2-brom-4-flophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-657	2-clo-4-nitrophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-658	3,5-dixyanophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-659	4-xyano-2-flophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-660	2-clo-4-xyanophenyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-661	pyridin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-662	2-flopyridin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-663	2-clopyridin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-664	2-brompyridin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-665	2-iodopyridin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-666	2-(triflometyl)pyridin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-667	2-nitropyridin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-668	2-xyanopyridin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-669	6-flopyridin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-670	6-clopyridin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-671	6-brompyridin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3

Bảng 1(5)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
1-672	6-iođopyriđin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-673	6-(triflometyl) pyriđin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-674	6-nitropyriđin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-675	6-xyanopyriđin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-676	5-flopyriđin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-677	5-clopyriđin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-678	5-brompyriđin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-679	5-iođopyriđin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-680	5-(triflometyl) pyriđin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-681	5-nitropyriđin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-682	5-xyanopyriđin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-683	4-flopyriđin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-684	4-clopyriđin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-685	4-brompyriđin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-686	4-iođopyriđin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-687	4-(triflometyl) pyriđin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-688	4-nitropyriđin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-689	4-xyanopyriđin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-690	2,6-điclopyriđin-3-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-691	pyriđin-3-yl N-oxit	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-692	pyriđin-4-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-693	2-clopyriđin-4-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-694	3-brompyriđin-4-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-695	3,5-điclopyriđin-4-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-696	3-triflometyl)pyriđin-4-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-697	2,6-đixyanopyriđin-4-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-698	pyriđin-4-yl N-oxit	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-699	pyriđin-2-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-700	3-clopyriđin-2-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-701	4-brompyriđin-2-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-702	5-iođopyriđin-2-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3

1-703	6-clopyriđin-2-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-704	4-xyanopyriđin-2-yl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-705	phenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-706	2-flophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-707	3-flophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-708	4-flophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-709	2-clophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-710	3-clophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-711	4-clophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-712	2-bromphenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-713	3-bromphenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-714	4-bromphenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-715	2-iođophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-716	3-iođophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-717	4-iođophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-718	(2-triflometyl)phenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-719	(3-triflometyl)phenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-720	(4-triflometyl)phenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-721	2-nitrophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-722	3-nitrophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-723	4-nitrophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-724	2-xyanophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-725	3-xyanophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-726	4-xyanophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-727	2,6-điflophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-728	3,4-điclophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-729	2,4-điclophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-730	2-clo-4-flophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-731	2-clo-4,5-điflophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-732	4-brom-2-clophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-733	2-brom-4-clophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-734	2-brom-4-flophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-735	2-clo-4-nitrophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3

Bảng 1(6)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
1-736	3,5-đixyanophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-737	4-xyano-2-flophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-738	2-clo-4-xyanophenyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-739	pyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-740	2-flopyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-741	2-clopyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-742	2-brompyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-743	2-iođopyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-744	2-triflometyl)pyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-745	2-nitropyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-746	2-xyanopyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-747	6-flopyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-748	6-clopyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-749	6-brompyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-750	6-iođopyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-751	6-(triflometyl) pyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-752	6-nitropyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-753	6-xyanopyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-754	5-flopyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-755	5-clopyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-756	5-brompyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-757	5-iođopyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-758	5-(triflometyl) pyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-759	5-nitropyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-760	5-xyanopyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-761	4-flopyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-762	4-clopyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-763	4-brompyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-764	4-iođopyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-765	4-(triflometyl) pyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-766	4-nitropyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-767	4-xyanopyriđin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3

1-768	2,6-diclopyridin-3-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-769	pyridin-3-yl N-oxit	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-770	pyridin-4-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-771	2-clopyridin-4-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-772	3-brompyridin-4-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-773	3,5-diclopyridin-4-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-774	3-(triflometyl) pyridin-4-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-775	2,6-dixyanopyridin-4-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-776	pyridin-4-yl N-oxit	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-777	pyridin-2-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-778	3-clopyridin-2-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-779	4-brompyridin-2-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-780	5-iodopyridin-2-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-781	6-clopyridin-2-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-782	4-xyanopyridin-2-yl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-783	phenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-784	2-flophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-785	3-flophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-786	4-flophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-787	2-clophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-788	3-clophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-789	4-clophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-790	2-bromphenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-791	3-bromphenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-792	4-bromphenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-793	2-iodophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-794	3-iodophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-795	4-iodophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-796	(2-triflometyl)phenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-797	(3-triflometyl)phenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-798	(4-triflometyl)phenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-799	2-nitrophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3

Bảng 1(7)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
1-800	3-nitrophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-801	4-nitrophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-802	2-xyanophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-803	3-xyanophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-804	4-xyanophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-805	2,6-điflophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-806	3,4-điclophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-807	2,4-điclophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-808	2-clo-4-flophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-809	2-clo-4,5-điflophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-810	4-brom-2-clophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-811	2-brom-4-clophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-812	2-brom-4-flophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-813	2-clo-4-nitrophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-814	3,5-đixyanophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-815	4-xyano-2-flophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-816	2-clo-4-xyanophenyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-817	pyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-818	2-flopyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-819	2-clopyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-820	2-brompyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-821	2-iođopyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-822	2-(triflometyl) pyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-823	2-nitropyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-824	2-xyanopyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-825	6-flopyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-826	6-clopyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-827	6-brompyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-828	6-iođopyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-829	6-(triflometyl) pyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-830	6-nitropyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-831	6-xyanopyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-832	5-flopyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-833	5-clopyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3

1-834	5-brompyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-835	5-iođopyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-836	5-(triflometyl)pyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-837	5-nitropyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-838	5-xyanopyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-839	4-flopyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-840	4-clopyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-841	4-brompyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-842	4-iođopyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-843	4-(triflometyl)pyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-844	4-nitropyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-845	4-xyanopyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-846	2,6-điclopyriđin-3-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-847	pyriđin-3-yl N-oxit	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-848	pyriđin-4-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-849	2-clopyriđin-4-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-850	3-brompyriđin-4-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-851	3,5-điclopyriđin-4-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-852	3-(triflometyl)pyriđin-4-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-853	2,6-đixyanopyriđin-4-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-854	pyriđin-4-yl N-oxit	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-855	pyriđin-2-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-856	3-clopyriđin-2-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-857	4-brompyriđin-2-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-858	5-iođopyriđin-2-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-859	6-clopyriđin-2-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-860	4-xyanopyriđin-2-yl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-861	phenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-862	2-flophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 1(8)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
1-863	3-flophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-864	4-flophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-865	2-clophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-866	3-clophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-867	4-clophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-868	2-bromphenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-869	3-bromphenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-870	4-bromphenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-871	2-iođophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-872	3-iođophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-873	4-iođophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-874	(2-triflometyl) phenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-875	(3-triflometyl) phenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-876	(4-triflometyl) phenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-877	2-nitrophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-878	3-nitrophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-879	4-nitrophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-880	2-xyanophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-881	3-xyanophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-882	4-xyanophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-883	2,6-điflophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-884	3,4-điclophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-885	2,4-điclophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-886	2-clo-4-flophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-887	2-clo-4,5-điflophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-888	4-brom-2-clophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-889	2-brom-4-clophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-890	2-brom-4-flophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-891	2-clo-4-nitrophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-892	3,5-đixyanophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-893	4-xyano-2-flophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-894	2-clo-4-xyanophenyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-895	pyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-896	2-flopyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3

1-897	2-clopyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-898	2-brompyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-899	2-iođopyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-900	2-(triflometyl) pyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-901	2-nitropyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-902	2-xyanopyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-903	6-flopyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-904	6-clopyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-905	6-brompyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-906	6-iođopyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-907	6-(triflometyl) pyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-908	6-nitropyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-909	6-xyanopyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-910	5-flopyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-911	5-clopyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-912	5-brompyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-913	5-iođopyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-914	5-(triflometyl) pyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-915	5-nitropyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-916	5-xyanopyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-917	4-flopyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-918	4-clopyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-919	4-brompyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-920	4-iođopyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-921	4-(triflometyl) pyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-922	4-nitropyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-923	4-xyanopyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-924	2,6-điclopyriđin-3-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-925	pyriđin-3-yl N-oxit	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-926	pyriđin-4-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 1(9)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
1-927	2-clopyriđin-4-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-928	3-brompyriđin-4-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-929	3,5-điclopyriđin-4-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-930	3-(triflometyl)pyriđin-4-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-931	2,6-đixyanopyriđin-4-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-932	pyriđin-4-yl N-oxit	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-933	pyriđin-2-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-934	3-clopyriđin-2-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-935	4-brompyriđin-2-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-936	5-iođopyriđin-2-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-937	6-clopyriđin-2-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-938	4-xyanopyriđin-2-yl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-939	phenyl	H	H	H	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
1-954	3-xyanophenyl	H	H	H	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
1-955	4-xyanophenyl	H	H	H	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
1-970	2-clopyriđin-3-yl	H	H	H	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
1-995	phenyl	H	H	H	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
1-1010	3-xyanophenyl	H	H	H	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
1-1011	4-xyanophenyl	H	H	H	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
1-1026	2-clopyriđin-3-yl	H	H	H	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
1-1051	phenyl	H	H	H	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
1-1066	3-xyanophenyl	H	H	H	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
1-1067	4-xyanophenyl	H	H	H	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
1-1082	2-clopyriđin-3-yl	H	H	H	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
1-1107	phenyl	H	H	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
1-1122	3-xyanophenyl	H	H	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
1-1123	4-xyanophenyl	H	H	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
1-1138	2-clopyriđin-3-yl	H	H	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
1-1163	phenyl	H	H	H	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
1-1175	4-iođophenyl	H	H	H	CN	H	H	CF3	H	pentafloetyl	H	CF3
1-1177	(3-triflometyl)phenyl	H	H	H	CN	H	H	C2F5	H	heptafloisopropyl	H	CF3
1-1183	3-xyanophenyl	H	H	H	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
1-1184	4-xyanophenyl	H	H	H	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
1-1190	4-brom-2-clophenyl	H	H	H	CN	H	H	n-C3F7	H	heptafloisopropyl	H	CF3
1-1195	4-xyano-2-flophenyl	H	H	H	CN	H	H	i-C3F7	H	heptafloisopropyl	H	CF3
1-1199	2-clopyriđin-3-yl	H	H	H	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
1-1200	2-brompyriđin-3-yl	H	H	H	CN	H	H	C2F5	H	heptafloisopropyl	H	C2F5
1-1211	6-xyanopyriđin-3-yl	H	H	H	CN	H	H	C2F5	H	heptafloisopropyl	H	n-C3F7
1-1215	4-xyanopyriđin-3-yl	H	H	H	CN	H	H	C2F5	H	heptafloisopropyl	H	i-C3F7

1-1231	phenyl	H	H	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
1-1243	4-iodophenyl	H	H	H	CN	H	H	C2F5	H	nonaflo-2-butyl	H	CF3
1-1251	3-xyanophenyl	H	H	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
1-1252	4-xyanophenyl	H	H	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
1-1258	4-brom-2-clophenyl	H	H	H	CN	H	H	n-C3F7	H	nonaflo-2-butyl	H	CF3
1-1263	4-xyano-2-flophenyl	H	H	H	CN	H	H	i-C3F7	H	nonaflo-2-butyl	H	CF3
1-1267	2-clopyridin-3-yl	H	H	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
1-1268	2-brompyridin-3-yl	H	H	H	CN	H	H	C2F5	H	nonaflo-2-butyl	H	C2F5
1-1279	6-xyanopyridin-3-yl	H	H	H	CN	H	H	C2F5	H	nonaflo-2-butyl	H	n-C3F7
1-1283	4-xyanopyridin-3-yl	H	H	H	CN	H	H	C2F5	H	nonaflo-2-butyl	H	i-C3F7
1-1299	phenyl	H	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
1-1319	3-xyanophenyl	H	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
1-1320	4-xyanophenyl	H	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
1-1335	2-clopyridin-3-yl	H	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
1-1377	phenyl	H	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
1-1384	2-bromphenyl	H	H	F	CN	H	H	F	H	nonaflo-2-butyl	H	OCF3
1-1397	3-xyanophenyl	H	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
1-1398	4-xyanophenyl	H	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
1-1413	2-clopyridin-3-yl	H	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
1-1455	phenyl	H	H	F	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
1-1475	3-xyanophenyl	H	H	F	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
1-1476	4-xyanophenyl	H	H	F	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
1-1491	2-clopyridin-3-yl	H	H	F	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
1-1533	phenyl	H	H	F	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
1-1553	3-xyanophenyl	H	H	F	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3

Bảng 1(10)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
1-1554	4-xyanophenyl	H	H	F	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
1-1569	2-clopyriđin-3-yl	H	H	F	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
1-1611	phenyl	H	H	F	CN	H	H	I	H	heptafloisopropyl	H	OCF3
1-1631	3-xyanophenyl	H	H	F	CN	H	H	I	H	heptafloisopropyl	H	OCF3
1-1632	4-xyanophenyl	H	H	F	CN	H	H	I	H	heptafloisopropyl	H	OCF3
1-1647	2-clopyriđin-3-yl	H	H	F	CN	H	H	I	H	heptafloisopropyl	H	OCF3
1-1689	phenyl	H	H	F	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
1-1709	3-xyanophenyl	H	H	F	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
1-1710	4-xyanophenyl	H	H	F	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
1-1725	2-clopyriđin-3-yl	H	H	F	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
1-1767	phenyl	H	H	F	CN	H	H	F	H	heptafloisopropyl	H	CF3
1-1768	phenyl	H	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-1788	3-xyanophenyl	H	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-1789	4-xyanophenyl	H	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-1804	2-clopyriđin-3-yl	H	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
1-1846	phenyl	H	H	F	CN	H	H	F	H	nonaflo-2-butyl	H	CF3
1-1847	phenyl	H	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-1867	3-xyanophenyl	H	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-1868	4-xyanophenyl	H	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-1883	2-clopyriđin-3-yl	H	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
1-1925	phenyl	H	H	F	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-1945	3-xyanophenyl	H	H	F	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-1946	4-xyanophenyl	H	H	F	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-1961	2-clopyriđin-3-yl	H	H	F	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-1968	6-clopyriđin-3-yl	H	H	F	CN	H	H	Br	H	heptafloisopropyl	H	CF3
1-2003	phenyl	H	H	F	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-2023	3-xyanophenyl	H	H	F	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-2024	4-xyanophenyl	H	H	F	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-2039	2-clopyriđin-3-yl	H	H	F	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
1-2081	phenyl	H	H	F	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-2101	3-xyanophenyl	H	H	F	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-2102	4-xyanophenyl	H	H	F	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-2117	2-clopyriđin-3-yl	H	H	F	CN	H	H	I	H	heptafloisopropyl	H	CF3
1-2159	phenyl	H	H	F	CN	H	H	I	H	nonaflo-2-butyl	H	CF3

1-2179	3-xyanophenyl	H	H	F	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-2180	4-xyanophenyl	H	H	F	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-2195	2-clopyriđin-3-yl	H	H	F	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
1-2237	phenyl	H	H	F	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
1-2252	3-xyanophenyl	H	H	F	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
1-2253	4-xyanophenyl	H	H	F	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
1-2268	2-clopyriđin-3-yl	H	H	F	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
1-2293	phenyl	H	H	F	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
1-2308	3-xyanophenyl	H	H	F	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
1-2309	4-xyanophenyl	H	H	F	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
1-2324	2-clopyriđin-3-yl	H	H	F	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
1-2325	2-brompyriđin-3-yl	H	H	F	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
1-2349	phenyl	H	H	F	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
1-2364	3-xyanophenyl	H	H	F	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
1-2365	4-xyanophenyl	H	H	F	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
1-2380	2-clopyriđin-3-yl	H	H	F	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
1-2405	phenyl	H	H	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
1-2420	3-xyanophenyl	H	H	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
1-2421	4-xyanophenyl	H	H	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
1-2436	2-clopyriđin-3-yl	H	H	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
1-2461	phenyl	H	H	F	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
1-2481	3-xyanophenyl	H	H	F	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
1-2482	4-xyanophenyl	H	H	F	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
1-2497	2-clopyriđin-3-yl	H	H	F	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
1-2529	phenyl	H	H	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
1-2549	3-xyanophenyl	H	H	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
1-2550	4-xyanophenyl	H	H	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
1-2565	2-clopyriđin-3-yl	H	H	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
1-2597	phenyl	H	H	F	CN	F	H	Cl	H	heptafloisopropyl	H	OCF3
1-2617	3-xyanophenyl	H	H	F	CN	F	H	Cl	H	heptafloisopropyl	H	OCF3

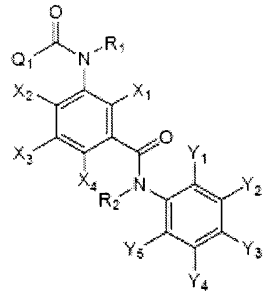
Bảng 1(11)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
1-2618	4-xyanophenyl	H	H	F	CN	F	H	Cl	H	heptafloisopropyl	H	OCF3
1-2633	2-clopyriđin-3-yl	H	H	F	CN	F	H	Cl	H	heptafloisopropyl	H	OCF3
1-2675	phenyl	H	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
1-2695	3-xyanophenyl	H	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
1-2696	4-xyanophenyl	H	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
1-2711	2-clopyriđin-3-yl	H	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
1-2753	phenyl	H	H	F	CN	F	H	Br	H	heptafloisopropyl	H	OCF3
1-2773	3-xyanophenyl	H	H	F	CN	F	H	Br	H	heptafloisopropyl	H	OCF3
1-2774	4-xyanophenyl	H	H	F	CN	F	H	Br	H	heptafloisopropyl	H	OCF3
1-2789	2-clopyriđin-3-yl	H	H	F	CN	F	H	Br	H	heptafloisopropyl	H	OCF3
1-2831	phenyl	H	H	F	CN	F	H	Br	H	nonaflo-2-butyl	H	OCF3
1-2851	3-xyanophenyl	H	H	F	CN	F	H	Br	H	nonaflo-2-butyl	H	OCF3
1-2852	4-xyanophenyl	H	H	F	CN	F	H	Br	H	nonaflo-2-butyl	H	OCF3
1-2867	2-clopyriđin-3-yl	H	H	F	CN	F	H	Br	H	nonaflo-2-butyl	H	OCF3
1-2909	phenyl	H	H	F	CN	F	H	I	H	heptafloisopropyl	H	OCF3
1-2929	3-xyanophenyl	H	H	F	CN	F	H	I	H	heptafloisopropyl	H	OCF3
1-2930	4-xyanophenyl	H	H	F	CN	F	H	I	H	heptafloisopropyl	H	OCF3
1-2945	2-clopyriđin-3-yl	H	H	F	CN	F	H	I	H	heptafloisopropyl	H	OCF3
1-2987	phenyl	H	H	F	CN	F	H	I	H	nonaflo-2-butyl	H	OCF3
1-3007	3-xyanophenyl	H	H	F	CN	F	H	I	H	nonaflo-2-butyl	H	OCF3
1-3008	4-xyanophenyl	H	H	F	CN	F	H	I	H	nonaflo-2-butyl	H	OCF3
1-3023	2-clopyriđin-3-yl	H	H	F	CN	F	H	I	H	nonaflo-2-butyl	H	OCF3
1-3065	phenyl	H	H	F	CN	F	H	F	H	heptafloisopropyl	H	CF3
1-3066	phenyl	H	H	F	CN	F	H	Cl	H	heptafloisopropyl	H	CF3
1-3086	3-xyanophenyl	H	H	F	CN	F	H	Cl	H	heptafloisopropyl	H	CF3
1-3087	4-xyanophenyl	H	H	F	CN	F	H	Cl	H	heptafloisopropyl	H	CF3
1-3102	2-clopyriđin-3-yl	H	H	F	CN	F	H	Cl	H	heptafloisopropyl	H	CF3
1-3144	phenyl	H	H	F	CN	F	H	F	H	nonaflo-2-butyl	H	CF3
1-3145	phenyl	H	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	CF3
1-3165	3-xyanophenyl	H	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	CF3
1-3166	4-xyanophenyl	H	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	CF3
1-3181	2-clopyriđin-3-yl	H	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	CF3
1-3223	phenyl	H	H	F	CN	F	H	Br	H	heptafloisopropyl	H	CF3
1-3243	3-xyanophenyl	H	H	F	CN	F	H	Br	H	heptafloisopropyl	H	CF3
1-3244	4-xyanophenyl	H	H	F	CN	F	H	Br	H	heptafloisopropyl	H	CF3
1-3259	2-clopyriđin-3-yl	H	H	F	CN	F	H	Br	H	heptafloisopropyl	H	CF3
1-3301	phenyl	H	H	F	CN	F	H	Br	H	nonaflo-2-butyl	H	CF3
1-3321	3-xyanophenyl	H	H	F	CN	F	H	Br	H	nonaflo-2-butyl	H	CF3
1-3322	4-xyanophenyl	H	H	F	CN	F	H	Br	H	nonaflo-2-butyl	H	CF3
1-3337	2-clopyriđin-3-yl	H	H	F	CN	F	H	Br	H	nonaflo-2-butyl	H	CF3

1-3379	phenyl	H	H	F	CN	F	H	I	H	heptafloisopropyl	H	CF3
1-3399	3-xyanophenyl	H	H	F	CN	F	H	I	H	heptafloisopropyl	H	CF3
1-3400	4-xyanophenyl	H	H	F	CN	F	H	I	H	heptafloisopropyl	H	CF3
1-3415	2-clopyriđin-3-yl	H	H	F	CN	F	H	I	H	heptafloisopropyl	H	CF3
1-3457	phenyl	H	H	F	CN	F	H	I	H	nonaflo-2-butyl	H	CF3
1-3477	3-xyanophenyl	H	H	F	CN	F	H	I	H	nonaflo-2-butyl	H	CF3
1-3478	4-xyanophenyl	H	H	F	CN	F	H	I	H	nonaflo-2-butyl	H	CF3
1-3493	2-clopyriđin-3-yl	H	H	F	CN	F	H	I	H	nonaflo-2-butyl	H	CF3
1-3535	phenyl	H	H	F	CN	F	H	OCF3	H	heptafloisopropyl	H	OCF3
1-3550	3-xyanophenyl	H	H	F	CN	F	H	OCF3	H	heptafloisopropyl	H	OCF3
1-3551	4-xyanophenyl	H	H	F	CN	F	H	OCF3	H	heptafloisopropyl	H	OCF3
1-3566	2-clopyriđin-3-yl	H	H	F	CN	F	H	OCF3	H	heptafloisopropyl	H	OCF3
1-3591	phenyl	H	H	F	CN	F	H	OCF3	H	nonaflo-2-butyl	H	OCF3
1-3606	3-xyanophenyl	H	H	F	CN	F	H	OCF3	H	nonaflo-2-butyl	H	OCF3
1-3607	4-xyanophenyl	H	H	F	CN	F	H	OCF3	H	nonaflo-2-butyl	H	OCF3
1-3622	2-clopyriđin-3-yl	H	H	F	CN	F	H	OCF3	H	nonaflo-2-butyl	H	OCF3
1-3647	phenyl	H	H	F	CN	F	H	CF3	H	heptafloisopropyl	H	OCF3
1-3662	3-xyanophenyl	H	H	F	CN	F	H	CF3	H	heptafloisopropyl	H	OCF3
1-3663	4-xyanophenyl	H	H	F	CN	F	H	CF3	H	heptafloisopropyl	H	OCF3
1-3678	2-clopyriđin-3-yl	H	H	F	CN	F	H	CF3	H	heptafloisopropyl	H	OCF3
1-3703	phenyl	H	H	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	OCF3
1-3718	3-xyanophenyl	H	H	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	OCF3
1-3719	4-xyanophenyl	H	H	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	OCF3
1-3734	2-clopyriđin-3-yl	H	H	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	OCF3

Bảng 1(12)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
1-3759	phenyl	H	H	F	CN	F	H	CF3	H	heptafloisopropyl	H	CF3
1-3779	3-xyanophenyl	H	H	F	CN	F	H	CF3	H	heptafloisopropyl	H	CF3
1-3780	4-xyanophenyl	H	H	F	CN	F	H	CF3	H	heptafloisopropyl	H	CF3
1-3795	2-clopyriđin-3-yl	H	H	F	CN	F	H	CF3	H	heptafloisopropyl	H	CF3
1-3827	phenyl	H	H	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	CF3
1-3847	3-xyanophenyl	H	H	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	CF3
1-3848	4-xyanophenyl	H	H	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	CF3
1-3863	2-clopyriđin-3-yl	H	H	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	CF3



Bảng 2(1)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
2-1	phenyl	Me	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
2-21	3-xyanophenyl	Me	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
2-22	4-xyanophenyl	Me	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
2-37	2-clopyriđin-3-yl	Me	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
2-79	phenyl	Me	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
2-99	3-xyanophenyl	Me	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
2-100	4-xyanophenyl	Me	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
2-115	2-clopyriđin-3-yl	Me	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
2-157	phenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
2-177	3-xyanophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
2-178	4-xyanophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
2-193	2-clopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
2-235	phenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
2-255	3-xyanophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
2-256	4-xyanophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
2-271	2-clopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
2-313	phenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	OCF3
2-333	3-xyanophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	OCF3
2-334	4-xyanophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	OCF3
2-349	2-clopyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	OCF3
2-391	phenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
2-411	3-xyanophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
2-412	4-xyanophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
2-427	2-clopyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
2-469	phenyl	Me	H	H	CN	H	H	F	H	heptafloisopropyl	H	CF3
2-470	phenyl	Me	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
2-481	3-iođophenyl	Me	H	H	CN	H	H	Cl	H	pentafloetyl	H	CF3
2-482	4-iođophenyl	Me	H	H	CN	H	H	Cl	H	pentafloetyl	H	CF3
2-484	(3-triflometyl) phenyl	Et	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
2-489	2-xyanophenyl	Me	H	H	CN	H	H	Cl	H	pentafloetyl	H	C2F5
2-490	3-xyanophenyl	Me	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
2-491	4-xyanophenyl	Me	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3

2-494	2,4-diclophenyl	Me	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	C2F5
2-495	2-clo-4-flophenyl	n-Pr	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
2-498	2-brom-4-clophenyl	Me	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
2-505	2-flopyriđin-3-yl	Me	H	H	CN	H	H	Cl	H	pentafloetyl	H	CF3
2-506	2-clopyriđin-3-yl	Me	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
2-512	6-flopyriđin-3-yl	i-Pr	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
2-513	6-clopyriđin-3-yl	Me	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
2-518	6-xyanopyriđin-3-yl	Me	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
2-519	5-flopyriđin-3-yl	Me	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	C2F5
2-521	5-brompyriđin-3-yl	Me	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
2-522	5-iođopyriđin-3-yl	Me	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	i-C3F7
2-524	5-nitropyriđin-3-yl	Me	H	H	CN	H	H	Cl	H	pentafloetyl	H	CF3
2-526	4-flopyriđin-3-yl	Me	H	H	CN	H	H	Cl	H	pentafloetyl	H	CF3
2-528	4-brompyriđin-3-yl	CH2CH = CH2	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
2-529	4-iođopyriđin-3-yl	Me	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	i-C3F7
2-535	pyriđin-4-yl	CN	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
2-547	4-xyanopyridin-2-yl	Me	H	H	CN	H	H	Cl	H	pentafloetyl	H	CF3
2-548	phenyl	Me	H	H	CN	H	H	F	H	nonaflo-2-butyl	H	CF3
2-549	phenyl	Me	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
2-556	2-bromphenyl	CH2C≡CH	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
2-562	(2-triflometyl) phenyl	Me	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
2-563	(3-triflometyl) phenyl	NH2	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
2-569	3-xyanophenyl	Me	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
2-570	4-xyanophenyl	Me	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3

Bảng 2(2)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
2-576	4-brom-2-clophenyl	C(O)OMe	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
2-579	2-clo-4-nitrophenyl	Me	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
2-585	2-clopyriđin-3-yl	Me	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
2-596	6-nitropyriđin-3-yl	C(O)OEt	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
2-598	5-flopyriđin-3-yl	Me	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
2-600	5-brompyriđin-3-yl	Me	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
2-601	5-iođopyriđin-3-yl	Me	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
2-605	4-flopyriđin-3-yl	Me	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
2-607	4-brompyriđin-3-yl	C(O)C(O)Me	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
2-609	4-(triflometyl) pyriđin-3-yl	Me	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
2-610	4-nitropyriđin-3-yl	C(O)C(O)Et	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
2-623	4-brompyriđin-2-yl	C(O)Me	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
2-625	6-clopyriđin-2-yl	C(O)Et	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
2-626	4-xyanopyriđin-2-yl	Me	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
2-627	phenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-628	2-flophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-629	3-flophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-630	4-flophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-631	2-clophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-632	3-clophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-633	4-clophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-634	2-bromphenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-635	3-bromphenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-636	4-bromphenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-637	2-iođophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-638	3-iođophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-639	4-iođophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-640	(2-triflometyl)phenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-641	(3-triflometyl)phenyl	S(O)2Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-642	(4-triflometyl)phenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-643	2-nitrophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-644	3-nitrophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-645	4-nitrophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-646	2-xyanophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-647	3-xyanophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-648	4-xyanophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-649	2,6-điflophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-650	3,4-điclophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-651	2,4-điclophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-652	2-clo-4-flophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-653	2-clo-4,5-điflophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-654	4-brom-2-clophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3

2-655	2-brom-4-clophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-656	2-brom-4-flophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-657	2-clo-4-nitrophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-658	3,5-đixyanophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-659	4-xyano-2-flophenyl	S(O)2Et	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-660	2-clo-4-xyanophenyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-661	pyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-662	2-flopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-663	2-clopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-664	2-brompyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-665	2-iođopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-666	2-(triflometyl) pyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-667	2-nitropyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-668	2-xyanopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-669	6-flopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-670	6-clopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-671	6-brompyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-672	6-iođopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-673	6-(triflometyl) pyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-674	6-nitropyriđin-3-yl	CH2Ph	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-675	6-xyanopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-676	5-flopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3

Bảng 2(3)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
2-677	5-clopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-678	5-brompyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-679	5-iođopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-680	5-(triflometyl)pyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-681	5-nitropyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-682	5-xyanopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-683	4-flopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-684	4-clopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-685	4-brompyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-686	4-iođopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-687	4-(triflometyl)pyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-688	4-nitropyriđin-3-yl	CH2(3-Py)	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-689	4-xyanopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-690	2,6-điclopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-691	pyriđin-3-yl N-oxit	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-692	pyriđin-4-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-693	2-clopyriđin-4-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-694	3-brompyriđin-4-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-695	3,5-điclopyriđin-4-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-696	3-(triflometyl)pyriđin-4-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-697	2,6-đixyanopyriđin-4-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-698	pyriđin-4-yl N-oxit	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-699	pyriđin-2-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-700	3-clopyriđin-2-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-701	4-brompyriđin-2-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-702	5-iođopyriđin-2-yl	CH2(3-Py-N-oxit)	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-703	6-clopyriđin-2-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-704	4-xyanopyriđin-2-yl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-705	phenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-706	2-flophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-707	3-flophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-708	4-flophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-709	2-clophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-710	3-clophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-711	4-clophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3

2-712	2-bromphenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-713	3-bromphenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-714	4-bromphenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-715	2-iodophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-716	3-iodophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-717	4-iodophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-718	(2-triflometyl)phenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-719	(3-triflometyl)phenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-720	(4-triflometyl)phenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-721	2-nitrophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-722	3-nitrophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-723	4-nitrophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-724	2-xyanophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-725	3-xyanophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-726	4-xyanophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-727	2,6-diflophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-728	3,4-diclophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-729	2,4-diclophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-730	2-clo-4-flophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-731	2-clo-4,5-diflophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-732	4-brom-2-clophenyl	Et	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-733	2-brom-4-clophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-734	2-brom-4-flophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-735	2-clo-4-nitrophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-736	3,5-dixyanophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-737	4-xyano-2-flophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-738	2-clo-4-xyanophenyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3

Bảng 2(4)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
2-739	pyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-740	2-flopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-741	2-clopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-742	2-brompyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-743	2-iođopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-744	2-(triflometyl)pyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-745	2-nitropyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-746	2-xyanopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-747	6-flopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-748	6-clopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-749	6-brompyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-750	6-iođopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-751	6-(triflometyl)pyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-752	6-nitropyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-753	6-xyanopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-754	5-flopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-755	5-clopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-756	5-brompyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-757	5-iođopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-758	5-(triflometyl)pyriđin-3-yl	CN	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-759	5-nitropyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-760	5-xyanopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-761	4-flopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-762	4-clopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-763	4-brompyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-764	4-iođopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-765	4-(triflometyl)pyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-766	4-nitropyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-767	4-xyanopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-768	2,6-điclopyriđin-3-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-769	pyriđin-3-yl N-oxit	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-770	pyriđin-4-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3

2-771	2-clopyriđin-4-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-772	3-brompyriđin-4-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-773	3,5-điclopyriđin-4-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-774	3-(triflometyl)pyriđin-4-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-775	2,6-đixyanopyriđin-4-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-776	pyriđin-4-yl N-oxit	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-777	pyriđin-2-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-778	3-clopyriđin-2-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-779	4-brompyriđin-2-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-780	5-iođopyriđin-2-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-781	6-clopyriđin-2-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-782	4-xyanopyriđin-2-yl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-783	phenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-784	2-flophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-785	3-flophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-786	4-flophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-787	2-clophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-788	3-clophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-789	4-clophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-790	2-bromphenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-791	3-bromphenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-792	4-bromphenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-793	2-iođophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-794	3-iođophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-795	4-iođophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-796	(2-triflometyl)phenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-797	(3-triflometyl)phenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-798	(4-triflometyl)phenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-799	2-nitrophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-800	3-nitrophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-801	4-nitrophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-802	2-xyanophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3

Bảng 2(5)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
2-803	3-xyanophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-804	4-xyanophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-805	2,6-điflophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-806	3,4-điclophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-807	2,4-điclophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-808	2-clo-4-flophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-809	2-clo-4,5-điflophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-810	4-brom-2-clophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-811	2-brom-4-clophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-812	2-brom-4-flophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-813	2-clo-4-nitrophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-814	3,5-đixyanophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-815	4-xyano-2-flophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-816	2-clo-4-xyanophenyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-817	pyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-818	2-flopyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-819	2-clopyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-820	2-brompyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-821	2-iođopyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-822	2-(triflometyl)pyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-823	2-nitropyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-824	2-xyanopyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-825	6-flopyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-826	6-clopyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-827	6-brompyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-828	6-iođopyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-829	6-(triflometyl)pyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-830	6-nitropyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-831	6-xyanopyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-832	5-flopyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-833	5-clopyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-834	5-brompyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-835	5-iođopyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-836	5-(triflometyl)pyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-837	5-nitropyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3

2-838	5-xyanopyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-839	4-flopyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-840	4-clopyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-841	4-brompyriđin-3-yl	C(O)Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-842	4-iođopyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-843	4-(triflometyl)pyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-844	4-nitropyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-845	4-xyanopyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-846	2,6-điclopyriđin-3-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-847	pyriđin-3-yl N-oxit	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-848	pyriđin-4-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-849	2-clopyriđin-4-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-850	3-brompyriđin-4-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-851	3,5-điclopyriđin-4-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-852	3-(triflometyl)pyriđin-4-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-853	2,6-đixyanopyriđin-4-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-854	pyriđin-4-yl N-oxit	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-855	pyriđin-2-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-856	3-clopyriđin-2-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-857	4-brompyriđin-2-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-858	5-iođopyriđin-2-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-859	6-clopyriđin-2-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-860	4-xyanopyriđin-2-yl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-861	phenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-862	2-flophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-863	3-flophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-864	4-flophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-865	2-clophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-866	3-clophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 2(6)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
2-867	4-clophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-868	2-bromphenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-869	3-bromphenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-870	4-bromphenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-871	2-iođophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-872	3-iođophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-873	4-iođophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-874	(2-triflometyl)phenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-875	(3-triflometyl)phenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-876	(4-triflometyl)phenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-877	2-nitrophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-878	3-nitrophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-879	4-nitrophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-880	2-xyanophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-881	3-xyanophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-882	4-xyanophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-883	2,6-điflophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-884	3,4-điclophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-885	2,4-điclophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-886	2-clo-4-flophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-887	2-clo-4,5-điflophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-888	4-brom-2-clophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-889	2-brom-4-clophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-890	2-brom-4-flophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-891	2-clo-4-nitrophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-892	3,5-đixyanophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-893	4-xyano-2-flophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-894	2-clo-4-xyanophenyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-895	pyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-896	2-flopyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-897	2-clopyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-898	2-brompyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-899	2-iođopyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-900	2-(triflometyl)pyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-901	2-nitropyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-902	2-xyanopyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3

2-903	6-flopyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-904	6-clopyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-905	6-brompyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-906	6-iođopyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-907	6-(triflometyl)pyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-908	6-nitropyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-909	6-xyanopyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-910	5-flopyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-911	5-clopyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-912	5-brompyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-913	5-iođopyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-914	5-(triflometyl)pyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-915	5-nitropyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-916	5-xyanopyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-917	4-flopyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-918	4-clopyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-919	4-brompyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-920	4-iođopyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-921	4-(triflometyl)pyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-922	4-nitropyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-923	4-xyanopyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-924	2,6-điclopyriđin-3-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-925	pyriđin-3-yl N-oxit	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-926	pyriđin-4-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-927	2-clopyriđin-4-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-928	3-brompyriđin-4-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-929	3,5-điclopyriđin-4-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-930	3-(triflometyl)pyriđin-4-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 2(7)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
2-931	2,6-đixyanopyriđin-4-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-932	pyriđin-4-yl N-oxit	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-933	pyriđin-2-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-934	3-clopyriđin-2-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-935	4-brompyriđin-2-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-936	5-iođopyriđin-2-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-937	6-clopyriđin-2-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-938	4-xyanopyriđin-2-yl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-939	phenyl	Me	H	H	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
2-970	2-clopyriđin-3-yl	Me	H	H	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
2-995	phenyl	Me	H	H	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
2-1026	2-clopyriđin-3-yl	Me	H	H	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
2-1051	phenyl	Me	H	H	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
2-1082	2-clopyriđin-3-yl	Me	H	H	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
2-1107	phenyl	Me	H	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
2-1138	2-clopyriđin-3-yl	Me	H	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
2-1163	phenyl	Me	H	H	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
2-1183	3-xyanophenyl	Me	H	H	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
2-1184	4-xyanophenyl	Me	H	H	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
2-1199	2-clopyriđin-3-yl	Me	H	H	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
2-1231	phenyl	Me	H	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
2-1251	3-xyanophenyl	Me	H	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
2-1252	4-xyanophenyl	Me	H	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
2-1267	2-clopyriđin-3-yl	Me	H	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
2-1299	phenyl	Me	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
2-1319	3-xyanophenyl	Me	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
2-1320	4-xyanophenyl	Me	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
2-1335	2-clopyriđin-3-yl	Me	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
2-1377	phenyl	Me	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
2-1397	3-xyanophenyl	Me	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
2-1398	4-xyanophenyl	Me	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
2-1413	2-clopyriđin-3-yl	Me	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
2-1455	phenyl	Me	H	F	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
2-1475	3-xyanophenyl	Me	H	F	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
2-1476	4-xyanophenyl	Me	H	F	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
2-1491	2-clopyriđin-3-yl	Me	H	F	CN	H	H	Br	H	heptafloisopropyl	H	OCF3

2-1533	phenyl	Me	H	F	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
2-1553	3-xyanophenyl	Me	H	F	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
2-1554	4-xyanophenyl	Me	H	F	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
2-1569	2-clopyriđin-3-yl	Me	H	F	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
2-1611	phenyl	Me	H	F	CN	H	H	I	H	heptafloisopropyl	H	OCF3
2-1631	3-xyanophenyl	Me	H	F	CN	H	H	I	H	heptafloisopropyl	H	OCF3
2-1632	4-xyanophenyl	Me	H	F	CN	H	H	I	H	heptafloisopropyl	H	OCF3
2-1647	2-clopyriđin-3-yl	Me	H	F	CN	H	H	I	H	heptafloisopropyl	H	OCF3
2-1689	phenyl	Me	H	F	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
2-1709	3-xyanophenyl	Me	H	F	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
2-1710	4-xyanophenyl	Me	H	F	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
2-1725	2-clopyriđin-3-yl	Me	H	F	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
2-1767	phenyl	Me	H	F	CN	H	H	F	H	heptafloisopropyl	H	CF3
2-1768	phenyl	Me	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
2-1788	3-xyanophenyl	Me	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
2-1789	4-xyanophenyl	Me	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
2-1804	2-clopyriđin-3-yl	Me	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
2-1846	phenyl	Me	H	F	CN	H	H	F	H	nonaflo-2-butyl	H	CF3
2-1847	phenyl	Me	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
2-1867	3-xyanophenyl	Me	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
2-1868	4-xyanophenyl	Me	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
2-1883	2-clopyriđin-3-yl	Me	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
2-1925	phenyl	Me	H	F	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-1945	3-xyanophenyl	Me	H	F	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-1946	4-xyanophenyl	Me	H	F	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-1961	2-clopyriđin-3-yl	Me	H	F	CN	H	H	Br	H	heptafloisopropyl	H	CF3
2-2003	phenyl	Me	H	F	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-2023	3-xyanophenyl	Me	H	F	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3

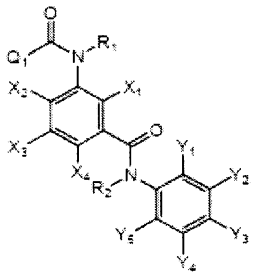
Bảng 2(8)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
2-2024	4-xyanophenyl	Me	H	F	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-2039	2-clopyriđin-3-yl	Me	H	F	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
2-2081	phenyl	Me	H	F	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-2101	3-xyanophenyl	Me	H	F	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-2102	4-xyanophenyl	Me	H	F	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-2117	2-clopyriđin-3-yl	Me	H	F	CN	H	H	I	H	heptafloisopropyl	H	CF3
2-2159	phenyl	Me	H	F	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-2179	3-xyanophenyl	Me	H	F	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-2180	4-xyanophenyl	Me	H	F	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-2195	2-clopyriđin-3-yl	Me	H	F	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
2-2237	phenyl	Me	H	F	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
2-2268	2-clopyriđin-3-yl	Me	H	F	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
2-2293	phenyl	Me	H	F	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
2-2324	2-clopyriđin-3-yl	Me	H	F	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
2-2349	phenyl	Me	H	F	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
2-2380	2-clopyriđin-3-yl	Me	H	F	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
2-2405	phenyl	Me	H	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
2-2436	2-clopyriđin-3-yl	Me	H	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
2-2461	phenyl	Me	H	F	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
2-2481	3-xyanophenyl	Me	H	F	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
2-2482	4-xyanophenyl	Me	H	F	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
2-2497	2-clopyriđin-3-yl	Me	H	F	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
2-2529	phenyl	Me	H	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
2-2549	3-xyanophenyl	Me	H	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
2-2550	4-xyanophenyl	Me	H	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
2-2565	2-clopyriđin-3-yl	Me	H	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
2-2597	phenyl	Me	H	F	CN	F	H	Cl	H	heptafloisopropyl	H	OCF3
2-2617	3-xyanophenyl	Me	H	F	CN	F	H	Cl	H	heptafloisopropyl	H	OCF3
2-2618	4-xyanophenyl	Me	H	F	CN	F	H	Cl	H	heptafloisopropyl	H	OCF3
2-2633	2-clopyriđin-3-yl	Me	H	F	CN	F	H	Cl	H	heptafloisopropyl	H	OCF3
2-2675	phenyl	Me	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
2-2695	3-xyanophenyl	Me	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
2-2696	4-xyanophenyl	Me	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
2-2711	2-clopyriđin-3-yl	Me	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
2-2753	phenyl	Me	H	F	CN	F	H	Br	H	heptafloisopropyl	H	OCF3
2-2773	3-xyanophenyl	Me	H	F	CN	F	H	Br	H	heptafloisopropyl	H	OCF3

2-2774	4-xyanophenyl	Me	H	F	CN	F	H	Br	H	heptafloisopropyl	H	OCF3
2-2789	2-clopyriđin-3-yl	Me	H	F	CN	F	H	Br	H	heptafloisopropyl	H	OCF3
2-2831	phenyl	Me	H	F	CN	F	H	Br	H	nonaflo-2-butyl	H	OCF3
2-2851	3-xyanophenyl	Me	H	F	CN	F	H	Br	H	nonaflo-2-butyl	H	OCF3
2-2852	4-xyanophenyl	Me	H	F	CN	F	H	Br	H	nonaflo-2-butyl	H	OCF3
2-2867	2-clopyriđin-3-yl	Me	H	F	CN	F	H	Br	H	nonaflo-2-butyl	H	OCF3
2-2909	phenyl	Me	H	F	CN	F	H	I	H	heptafloisopropyl	H	OCF3
2-2929	3-xyanophenyl	Me	H	F	CN	F	H	I	H	heptafloisopropyl	H	OCF3
2-2930	4-xyanophenyl	Me	H	F	CN	F	H	I	H	heptafloisopropyl	H	OCF3
2-2945	2-clopyriđin-3-yl	Me	H	F	CN	F	H	I	H	heptafloisopropyl	H	OCF3
2-2987	phenyl	Me	H	F	CN	F	H	I	H	nonaflo-2-butyl	H	OCF3
2-3007	3-xyanophenyl	Me	H	F	CN	F	H	I	H	nonaflo-2-butyl	H	OCF3
2-3008	4-xyanophenyl	Me	H	F	CN	F	H	I	H	nonaflo-2-butyl	H	OCF3
2-3023	2-clopyriđin-3-yl	Me	H	F	CN	F	H	I	H	nonaflo-2-butyl	H	OCF3
2-3065	phenyl	Me	H	F	CN	F	H	F	H	heptafloisopropyl	H	CF3
2-3066	phenyl	Me	H	F	CN	F	H	Cl	H	heptafloisopropyl	H	CF3
2-3086	3-xyanophenyl	Me	H	F	CN	F	H	Cl	H	heptafloisopropyl	H	CF3
2-3087	4-xyanophenyl	Me	H	F	CN	F	H	Cl	H	heptafloisopropyl	H	CF3
2-3102	2-clopyriđin-3-yl	Me	H	F	CN	F	H	Cl	H	heptafloisopropyl	H	CF3
2-3144	phenyl	Me	H	F	CN	F	H	F	H	nonaflo-2-butyl	H	CF3
2-3165	3-xyanophenyl	Me	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	CF3
2-3166	4-xyanophenyl	Me	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	CF3
2-3181	2-clopyriđin-3-yl	Me	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	CF3
2-3223	phenyl	Me	H	F	CN	F	H	Br	H	heptafloisopropyl	H	CF3
2-3243	3-xyanophenyl	Me	H	F	CN	F	H	Br	H	heptafloisopropyl	H	CF3
2-3244	4-xyanophenyl	Me	H	F	CN	F	H	Br	H	heptafloisopropyl	H	CF3
2-3259	2-clopyriđin-3-yl	Me	H	F	CN	F	H	Br	H	heptafloisopropyl	H	CF3
2-3301	phenyl	Me	H	F	CN	F	H	Br	H	nonaflo-2-butyl	H	CF3

Bảng 2(9)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
2-3321	3-xyanophenyl	Me	H	F	CN	F	H	Br	H	nonaflo-2-butyl	H	CF3
2-3322	4-xyanophenyl	Me	H	F	CN	F	H	Br	H	nonaflo-2-butyl	H	CF3
2-3337	2-clopyriđin-3-yl	Me	H	F	CN	F	H	Br	H	nonaflo-2-butyl	H	CF3
2-3379	phenyl	Me	H	F	CN	F	H	I	H	heptafloisopropyl	H	CF3
2-3399	3-xyanophenyl	Me	H	F	CN	F	H	I	H	heptafloisopropyl	H	CF3
2-3400	4-xyanophenyl	Me	H	F	CN	F	H	I	H	heptafloisopropyl	H	CF3
2-3415	2-clopyriđin-3-yl	Me	H	F	CN	F	H	I	H	heptafloisopropyl	H	CF3
2-3457	phenyl	Me	H	F	CN	F	H	I	H	nonaflo-2-butyl	H	CF3
2-3477	3-xyanophenyl	Me	H	F	CN	F	H	I	H	nonaflo-2-butyl	H	CF3
2-3478	4-xyanophenyl	Me	H	F	CN	F	H	I	H	nonaflo-2-butyl	H	CF3
2-3493	2-clopyriđin-3-yl	Me	H	F	CN	F	H	I	H	nonaflo-2-butyl	H	CF3
2-3494	2-brompyriđin-3-yl	Me	H	F	CN	F	H	I	H	nonaflo-2-butyl	H	CF3
2-3535	phenyl	Me	H	F	CN	F	H	OCF3	H	heptafloisopropyl	H	OCF3
2-3566	2-clopyriđin-3-yl	Me	H	F	CN	F	H	OCF3	H	heptafloisopropyl	H	OCF3
2-3591	phenyl	Me	H	F	CN	F	H	OCF3	H	nonaflo-2-butyl	H	OCF3
2-3622	2-clopyriđin-3-yl	Me	H	F	CN	F	H	OCF3	H	nonaflo-2-butyl	H	OCF3
2-3647	phenyl	Me	H	F	CN	F	H	CF3	H	heptafloisopropyl	H	OCF3
2-3678	2-clopyriđin-3-yl	Me	H	F	CN	F	H	CF3	H	heptafloisopropyl	H	OCF3
2-3703	phenyl	Me	H	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	OCF3
2-3734	2-clopyriđin-3-yl	Me	H	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	OCF3
2-3759	phenyl	Me	H	F	CN	F	H	CF3	H	heptafloisopropyl	H	CF3
2-3779	3-xyanophenyl	Me	H	F	CN	F	H	CF3	H	heptafloisopropyl	H	CF3
2-3780	4-xyanophenyl	Me	H	F	CN	F	H	CF3	H	heptafloisopropyl	H	CF3
2-3795	2-clopyriđin-3-yl	Me	H	F	CN	F	H	CF3	H	heptafloisopropyl	H	CF3
2-3827	phenyl	Me	H	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	CF3
2-3847	3-xyanophenyl	Me	H	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	CF3
2-3848	4-xyanophenyl	Me	H	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	CF3
2-3863	2-clopyriđin-3-yl	Me	H	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	CF3



Bảng 3(1)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
3-1	phenyl	H	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
3-21	3-xyanophenyl	H	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
3-22	4-xyanophenyl	H	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
3-37	2-clopyriđin-3-yl	H	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
3-79	phenyl	H	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
3-99	3-xyanophenyl	H	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
3-100	4-xyanophenyl	H	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
3-115	2-clopyriđin-3-yl	H	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
3-157	phenyl	H	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
3-177	3-xyanophenyl	H	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
3-178	4-xyanophenyl	H	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
3-193	2-clopyriđin-3-yl	H	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
3-235	phenyl	H	Me	H	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
3-255	3-xyanophenyl	H	Me	H	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
3-256	4-xyanophenyl	H	Me	H	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
3-271	2-clopyriđin-3-yl	H	Me	H	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
3-313	phenyl	H	Me	H	CN	H	H	I	H	heptafloisopropyl	H	OCF3
3-333	3-xyanophenyl	H	Me	H	CN	H	H	I	H	heptafloisopropyl	H	OCF3
3-334	4-xyanophenyl	H	Me	H	CN	H	H	I	H	heptafloisopropyl	H	OC2F5
3-349	2-clopyriđin-3-yl	H	Me	H	CN	H	H	I	H	heptafloisopropyl	H	OCF3
3-391	phenyl	H	Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
3-411	3-xyanophenyl	H	Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
3-412	4-xyanophenyl	H	Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
3-427	2-clopyriđin-3-yl	H	Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
3-469	phenyl	H	Me	H	CN	H	H	F	H	heptafloisopropyl	H	CF3
3-470	phenyl	H	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
3-484	(3-triflometyl) phenyl	H	Et	H	CN	H	H	Cl	H	pentafloetyl	H	CF3
3-490	3-xyanophenyl	H	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3

3-491	4-xyanophenyl	H	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
3-495	2-clo-4-flophenyl	H	n-Pr	H	CN	H	H	Cl	H	heptafloisopropyl	H	C2F5
3-506	2-clopyriđin-3-yl	H	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
3-512	6-flopyriđin-3-yl	H	i-Pr	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
3-528	4-brompyriđin-3-yl	H	CH2CH = CH2	H	CN	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
3-535	pyriđin-4-yl	H	CN	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
3-548	phenyl	H	Me	H	CN	H	H	F	H	nonaflo-2-butyl	H	CF3
3-549	phenyl	H	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
3-556	2-bromphenyl	H	CH2C≡CH	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
3-563	(3-triflometyl) phenyl	H	NH2	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
3-569	3-xyanophenyl	H	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
3-570	4-xyanophenyl	H	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
3-576	4-brom-2-clophenyl	H	C(O)OMe	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
3-585	2-clopyriđin-3-yl	H	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
3-596	6-nitropyriđin-3-yl	H	C(O)OEt	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
3-607	4-brompyriđin-3-yl	H	C(O)C(O)Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
3-610	4-nitropyriđin-3-yl	H	C(O)C(O)Et	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
3-623	4-brompyriđin-2-yl	H	C(O)Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
3-625	6-clopyriđin-2-yl	H	C(O)Et	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
3-627	phenyl	H	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
3-641	(3-triflometyl) phenyl	H	S(O)2Me	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
3-647	3-xyanophenyl	H	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
3-648	4-xyanophenyl	H	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
3-659	4-xyano-2-flophenyl	H	S(O)2Et	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
3-663	2-clopyriđin-3-yl	H	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
3-674	6-nitropyriđin-3-yl	H	CH2Ph	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
3-688	4-nitropyriđin-3-yl	H	CH2(3-Py)	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3

Bảng 3(2)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
3-702	5-iođopyriđin-2-yl	H	CH2(3-Py-N-oxit)	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
3-705	phenyl	H	Me	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
3-725	3-xyanophenyl	H	Me	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
3-726	4-xyanophenyl	H	Me	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
3-732	4-brom-2-clophenyl	H	Et	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
3-741	2-clopyriđin-3-yl	H	Me	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
3-758	5-(triflometyl)pyriđin-3-yl	H	CN	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
3-783	phenyl	H	Me	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
3-803	3-xyanophenyl	H	Me	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
3-804	4-xyanophenyl	H	Me	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
3-819	2-clopyriđin-3-yl	H	Me	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
3-841	4-brompyriđin-3-yl	H	C(O)Me	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
3-861	phenyl	H	Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
3-881	3-xyanophenyl	H	Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
3-882	4-xyanophenyl	H	Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
3-897	2-clopyriđin-3-yl	H	Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
3-939	phenyl	H	Me	H	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
3-970	2-clopyriđin-3-yl	H	Me	H	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
3-995	phenyl	H	Me	H	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
3-1026	2-clopyriđin-3-yl	H	Me	H	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
3-1051	phenyl	H	Me	H	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
3-1082	2-clopyriđin-3-yl	H	Me	H	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
3-1107	phenyl	H	Me	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
3-1138	2-clopyriđin-3-yl	H	Me	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
3-1163	phenyl	H	Me	H	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
3-1183	3-xyanophenyl	H	Me	H	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
3-1184	4-xyanophenyl	H	Me	H	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
3-1199	2-clopyriđin-3-yl	H	Me	H	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
3-1231	phenyl	H	Me	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
3-1251	3-xyanophenyl	H	Me	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	C2F5
3-1252	4-xyanophenyl	H	Me	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
3-1267	2-clopyriđin-3-yl	H	Me	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
3-1299	phenyl	H	Me	F	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
3-1319	3-xyanophenyl	H	Me	F	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3

3-1320	4-xyanophenyl	H	Me	F	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
3-1335	2-clopyriđin-3-yl	H	Me	F	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
3-1377	phenyl	H	Me	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
3-1397	3-xyanophenyl	H	Me	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
3-1398	4-xyanophenyl	H	Me	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
3-1413	2-clopyriđin-3-yl	H	Me	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
3-1455	phenyl	H	Me	F	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
3-1491	2-clopyriđin-3-yl	H	Me	F	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
3-1533	phenyl	H	Me	F	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
3-1553	3-xyanophenyl	H	Me	F	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
3-1554	4-xyanophenyl	H	Me	F	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
3-1569	2-clopyriđin-3-yl	H	Me	F	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
3-1611	phenyl	H	Me	F	CN	H	H	I	H	heptafloisopropyl	H	OCF3
3-1631	3-xyanophenyl	H	Me	F	CN	H	H	I	H	heptafloisopropyl	H	OCF3
3-1632	4-xyanophenyl	H	Me	F	CN	H	H	I	H	heptafloisopropyl	H	OCF3
3-1647	2-clopyriđin-3-yl	H	Me	F	CN	H	H	I	H	heptafloisopropyl	H	OCF3
3-1689	phenyl	H	Me	F	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
3-1709	3-xyanophenyl	H	Me	F	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
3-1710	4-xyanophenyl	H	Me	F	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
3-1725	2-clopyriđin-3-yl	H	Me	F	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
3-1767	phenyl	H	Me	F	CN	H	H	F	H	heptafloisopropyl	H	CF3
3-1768	phenyl	H	Me	F	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
3-1788	3-xyanophenyl	H	Me	F	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
3-1789	4-xyanophenyl	H	Me	F	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
3-1804	2-clopyriđin-3-yl	H	Me	F	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
3-1846	phenyl	H	Me	F	CN	H	H	F	H	nonaflo-2-butyl	H	CF3
3-1847	phenyl	H	Me	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
3-1867	3-xyanophenyl	H	Me	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
3-1868	4-xyanophenyl	H	Me	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
3-1883	2-clopyriđin-3-yl	H	Me	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3

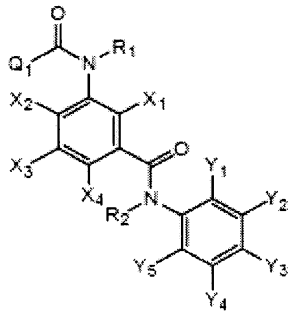
Bảng 3(3)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
3-1925	phenyl	H	Me	F	CN	H	H	Br	H	heptafloisopropyl	H	CF3
3-1945	3-xyanophenyl	H	Me	F	CN	H	H	Br	H	heptafloisopropyl	H	CF3
3-1946	4-xyanophenyl	H	Me	F	CN	H	H	Br	H	heptafloisopropyl	H	CF3
3-1961	2-clopyriđin-3-yl	H	Me	F	CN	H	H	Br	H	heptafloisopropyl	H	CF3
3-2003	phenyl	H	Me	F	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
3-2023	3-xyanophenyl	H	Me	F	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
3-2024	4-xyanophenyl	H	Me	F	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
3-2039	2-clopyriđin-3-yl	H	Me	F	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
3-2081	phenyl	H	Me	F	CN	H	H	I	H	heptafloisopropyl	H	CF3
3-2101	3-xyanophenyl	H	Me	F	CN	H	H	I	H	heptafloisopropyl	H	CF3
3-2102	4-xyanophenyl	H	Me	F	CN	H	H	I	H	heptafloisopropyl	H	CF3
3-2117	2-clopyriđin-3-yl	H	Me	F	CN	H	H	I	H	heptafloisopropyl	H	CF3
3-2159	phenyl	H	Me	F	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
3-2179	3-xyanophenyl	H	Me	F	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
3-2180	4-xyanophenyl	H	Me	F	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
3-2195	2-clopyriđin-3-yl	H	Me	F	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
3-2237	phenyl	H	Me	F	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
3-2268	2-clopyriđin-3-yl	H	Me	F	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
3-2293	phenyl	H	Me	F	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
3-2324	2-clopyriđin-3-yl	H	Me	F	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
3-2349	phenyl	H	Me	F	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
3-2380	2-clopyriđin-3-yl	H	Me	F	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
3-2405	phenyl	H	Me	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
3-2436	2-clopyriđin-3-yl	H	Me	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
3-2461	phenyl	H	Me	F	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
3-2481	3-xyanophenyl	H	Me	F	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
3-2482	4-xyanophenyl	H	Me	F	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
3-2497	2-clopyriđin-3-yl	H	Me	F	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
3-2529	phenyl	H	Me	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
3-2549	3-xyanophenyl	H	Me	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
3-2550	4-xyanophenyl	H	Me	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
3-2565	2-clopyriđin-3-yl	H	Me	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
3-2597	phenyl	H	Me	F	CN	F	H	Cl	H	heptafloisopropyl	H	OCF3
3-2617	3-xyanophenyl	H	Me	F	CN	F	H	Cl	H	heptafloisopropyl	H	OCF3
3-2618	4-xyanophenyl	H	Me	F	CN	F	H	Cl	H	heptafloisopropyl	H	OCF3
3-2633	2-clopyriđin-3-yl	H	Me	F	CN	F	H	Cl	H	heptafloisopropyl	H	OCF3

3-2675	phenyl	H	Me	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
3-2695	3-xyanophenyl	H	Me	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
3-2696	4-xyanophenyl	H	Me	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
3-2711	2-clopyriđin-3-yl	H	Me	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
3-2753	phenyl	H	Me	F	CN	F	H	Br	H	heptafloisopropyl	H	OCF3
3-2773	3-xyanophenyl	H	Me	F	CN	F	H	Br	H	heptafloisopropyl	H	OCF3
3-2774	4-xyanophenyl	H	Me	F	CN	F	H	Br	H	heptafloisopropyl	H	OCF3
3-2789	2-clopyriđin-3-yl	H	Me	F	CN	F	H	Br	H	heptafloisopropyl	H	OCF3
3-2831	phenyl	H	Me	F	CN	F	H	Br	H	nonaflo-2-butyl	H	OCF3
3-2851	3-xyanophenyl	H	Me	F	CN	F	H	Br	H	nonaflo-2-butyl	H	OCF3
3-2852	4-xyanophenyl	H	Me	F	CN	F	H	Br	H	nonaflo-2-butyl	H	OCF3
3-2867	2-clopyriđin-3-yl	H	Me	F	CN	F	H	Br	H	nonaflo-2-butyl	H	OCF3
3-2909	phenyl	H	Me	F	CN	F	H	I	H	heptafloisopropyl	H	OCF3
3-2929	3-xyanophenyl	H	Me	F	CN	F	H	I	H	heptafloisopropyl	H	OCF3
3-2930	4-xyanophenyl	H	Me	F	CN	F	H	I	H	heptafloisopropyl	H	OCF3
3-2945	2-clopyriđin-3-yl	H	Me	F	CN	F	H	I	H	heptafloisopropyl	H	OCF3
3-2987	phenyl	H	Me	F	CN	F	H	I	H	nonaflo-2-butyl	H	OCF3
3-2988	2-flophenyl	H	Me	F	CN	F	H	I	H	nonaflo-2-butyl	H	OCF3
3-3007	3-xyanophenyl	H	Me	F	CN	F	H	I	H	nonaflo-2-butyl	H	OCF3
3-3008	4-xyanophenyl	H	Me	F	CN	F	H	I	H	nonaflo-2-butyl	H	OCF3
3-3023	2-clopyriđin-3-yl	H	Me	F	CN	F	H	I	H	nonaflo-2-butyl	H	OCF3
3-3065	phenyl	H	Me	F	CN	F	H	F	H	heptafloisopropyl	H	CF3
3-3066	phenyl	H	Me	F	CN	F	H	Cl	H	heptafloisopropyl	H	CF3
3-3086	3-xyanophenyl	H	Me	F	CN	F	H	Cl	H	heptafloisopropyl	H	CF3
3-3087	4-xyanophenyl	H	Me	F	CN	F	H	Cl	H	heptafloisopropyl	H	CF3

Bảng 3(4)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
3-3102	2-clopyriđin-3-yl	H	Me	F	CN	F	H	Cl	H	heptafloisopropyl	H	CF3
3-3144	phenyl	H	Me	F	CN	F	H	F	H	nonaflo-2-butyl	H	CF3
3-3145	phenyl	H	Me	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	CF3
3-3165	3-xyanophenyl	H	Me	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	CF3
3-3166	4-xyanophenyl	H	Me	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	CF3
3-3181	2-clopyriđin-3-yl	H	Me	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	CF3
3-3223	phenyl	H	Me	F	CN	F	H	Br	H	heptafloisopropyl	H	CF3
3-3243	3-xyanophenyl	H	Me	F	CN	F	H	Br	H	heptafloisopropyl	H	CF3
3-3244	4-xyanophenyl	H	Me	F	CN	F	H	Br	H	heptafloisopropyl	H	CF3
3-3259	2-clopyriđin-3-yl	H	Me	F	CN	F	H	Br	H	heptafloisopropyl	H	CF3
3-3301	phenyl	H	Me	F	CN	F	H	Br	H	nonaflo-2-butyl	H	CF3
3-3321	3-xyanophenyl	H	Me	F	CN	F	H	Br	H	nonaflo-2-butyl	H	CF3
3-3322	4-xyanophenyl	H	Me	F	CN	F	H	Br	H	nonaflo-2-butyl	H	CF3
3-3337	2-clopyriđin-3-yl	H	Me	F	CN	F	H	Br	H	nonaflo-2-butyl	H	CF3
3-3379	phenyl	H	Me	F	CN	F	H	I	H	heptafloisopropyl	H	CF3
3-3399	3-xyanophenyl	H	Me	F	CN	F	H	I	H	heptafloisopropyl	H	CF3
3-3400	4-xyanophenyl	H	Me	F	CN	F	H	I	H	heptafloisopropyl	H	CF3
3-3415	2-clopyriđin-3-yl	H	Me	F	CN	F	H	I	H	heptafloisopropyl	H	CF3
3-3457	phenyl	H	Me	F	CN	F	H	I	H	nonaflo-2-butyl	H	CF3
3-3477	3-xyanophenyl	H	Me	F	CN	F	H	I	H	nonaflo-2-butyl	H	CF3
3-3478	4-xyanophenyl	H	Me	F	CN	F	H	I	H	nonaflo-2-butyl	H	CF3
3-3493	2-clopyriđin-3-yl	H	Me	F	CN	F	H	I	H	nonaflo-2-butyl	H	CF3
3-3535	phenyl	H	Me	F	CN	F	H	OCF3	H	heptafloisopropyl	H	OCF3
3-3566	2-clopyriđin-3-yl	H	Me	F	CN	F	H	OCF3	H	heptafloisopropyl	H	OCF3
3-3591	phenyl	H	Me	F	CN	F	H	OCF3	H	nonaflo-2-butyl	H	OCF3
3-3622	2-clopyriđin-3-yl	H	Me	F	CN	F	H	OCF3	H	nonaflo-2-butyl	H	OCF3
3-3647	phenyl	H	Me	F	CN	F	H	CF3	H	heptafloisopropyl	H	OCF3
3-3678	2-clopyriđin-3-yl	H	Me	F	CN	F	H	CF3	H	heptafloisopropyl	H	OCF3
3-3703	phenyl	H	Me	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	OCF3
3-3734	2-clopyriđin-3-yl	H	Me	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	OCF3
3-3759	phenyl	H	Me	F	CN	F	H	CF3	H	heptafloisopropyl	H	CF3
3-3779	3-xyanophenyl	H	Me	F	CN	F	H	CF3	H	heptafloisopropyl	H	CF3
3-3780	4-xyanophenyl	H	Me	F	CN	F	H	CF3	H	heptafloisopropyl	H	CF3
3-3795	2-clopyriđin-3-yl	H	Me	F	CN	F	H	CF3	H	heptafloisopropyl	H	CF3



Bảng 4(1)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
4-1	phenyl	Me	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
4-21	3-xyanophenyl	Me	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
4-22	4-xyanophenyl	Me	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
4-37	2-clopyriđin-3-yl	Me	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
4-79	phenyl	Me	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
4-99	3-xyanophenyl	Me	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
4-100	4-xyanophenyl	Me	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
4-115	2-clopyriđin-3-yl	Me	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
4-157	phenyl	Me	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
4-177	3-xyanophenyl	Me	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
4-178	4-xyanophenyl	Me	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
4-193	2-clopyriđin-3-yl	Me	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
4-235	phenyl	Me	Me	H	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
4-255	3-xyanophenyl	Me	Me	H	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
4-256	4-xyanophenyl	Me	Me	H	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
4-271	2-clopyriđin-3-yl	Me	Me	H	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
4-313	phenyl	Me	Me	H	CN	H	H	I	H	heptafloisopropyl	H	OCF3
4-314	2-flophenyl	Me	Me	H	CN	H	H	I	H	heptafloisopropyl	H	OCF3
4-333	3-xyanophenyl	Me	Me	H	CN	H	H	I	H	heptafloisopropyl	H	OCF3
4-334	4-xyanophenyl	Me	Me	H	CN	H	H	I	H	heptafloisopropyl	H	OCF3
4-349	2-clopyriđin-3-yl	Me	Me	H	CN	H	H	I	H	heptafloisopropyl	H	OCF3
4-391	phenyl	Me	Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
4-392	2-flophenyl	Me	Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
4-411	3-xyanophenyl	Me	Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
4-412	4-xyanophenyl	Me	Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
4-427	2-clopyriđin-3-yl	Me	Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
4-665	phenyl	Me	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
4-666	(3-triflometyl) phenyl	Et	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3

4-667	(4-triflometyl) phenyl	Me	Et	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
4-671	2-xyanophenyl	Me	Me	H	CN	H	H	Cl	H	pentafloetyl	H	C2F5
4-672	3-xyanophenyl	Me	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
4-673	4-xyanophenyl	Me	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
4-676	2,4-diclophenyl	Me	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	C2F5
4-677	2-clo-4-flophenyl	n-Pr	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
4-680	2-brom-4-clophenyl	Me	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
4-681	2-brom-4-flophenyl	Me	n-Pr	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
4-687	2-flopyridin-3-yl	Me	Me	H	CN	H	H	Cl	H	pentafloetyl	H	CF3
4-688	2-clopyridin-3-yl	Me	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
4-692	2-nitropyridin-3-yl	Me	i-Pr	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
4-694	6-flopyridin-3-yl	i-Pr	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
4-701	5-flopyridin-3-yl	Me	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	C2F5
4-703	5-brompyridin-3-yl	Me	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
4-704	5-iodopyridin-3-yl	Me	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	i-C3F7
4-706	5-nitropyridin-3-yl	Me	CH2CH = CH2	H	CN	H	H	Cl	H	pentaflooetyl	H	CF3
4-708	4-flopyridin-3-yl	Me	Me	H	CN	H	H	Cl	H	pentaflooetyl	H	CF3
4-710	4-brompyridin-3-yl	CH2CH = CH2	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
4-711	4-iodopyridin-3-yl	Me	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	i-C3F7
4-717	pyridin-4-yl	CN	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
4-724	pyridin-2-yl	Me	CN	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
4-729	4-xyanopyridin-2-yl	Me	Me	H	CN	H	H	Cl	H	pentaflooetyl	H	CF3
4-730	phenyl	Me	Me	H	CN	H	H	F	H	nonaflo-2-butyl	H	CF3
4-731	phenyl	Me	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
4-732	2-flophenyl	Me	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
4-739	3-bromphenyl	CH2C≡ CH	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
4-744	(2-triflometyl) phenyl	Me	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	C2F5

Bảng 4(2)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
4-745	(3-triflometyl) phenyl	Me	CH2C≡CH	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
4-746	(4-triflometyl)phenyl	NH2	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
4-750	2-xyanophenyl	Me	NH2	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
4-751	3-xyanophenyl	Me	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
4-752	4-xyanophenyl	Me	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
4-759	2-brom-4-clophenyl	C(O)OMe	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
4-761	2-clo-4-nitrophenyl	Me	C(O)OMe	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
4-767	2-clopyriđin-3-yl	Me	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
4-773	6-flopyriđin-3-yl	Me	C(O)OEt	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
4-780	5-flopyriđin-3-yl	C(O)OEt	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
4-781	5-clopyriđin-3-yl	Me	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
4-782	5-brompyriđin-3-yl	Me	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
4-783	5-iođopyriđin-3-yl	Me	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
4-785	5-nitropyriđin-3-yl	Me	C(O)C(O)Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
4-787	4-flopyriđin-3-yl	Me	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
4-789	4-brompyriđin-3-yl	C(O)C(O)Me	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
4-790	4-iođopyriđin-3-yl	Me	C(O)C(O)Et	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
4-791	4-(triflometyl) pyriđin-3-yl	Me	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
4-792	4-nitropyriđin-3-yl	C(O)C(O)Et	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
4-803	pyriđin-2-yl	Me	C(O)Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
4-805	4-brompyriđin-2-yl	Me	C(O)Et	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
4-806	5-iođopyriđin-2-yl	C(O)Me	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
4-808	4-xyanopyriđin-2-yl	C(O)Et	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
4-809	phenyl	Me	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
4-823	(3-triflometyl) phenyl	S(O)2Me	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
4-828	2-xyanophenyl	Me	S(O)2Me	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
4-829	3-xyanophenyl	Me	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3

4-830	4-xyanophenyl	Me	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
4-839	2-clo-4-nitrophenyl	Me	S(O)2Et	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
4-841	4-xyano-2-flophenyl	S(O)2Et	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
4-845	2-clopyriđin-3-yl	Me	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
4-853	6-brompyriđin-3-yl	Me	CH2Ph	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
4-855	6- (triflometyl) pyriđin-3-yl	Me	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
4-856	6-nitropyriđin-3-yl	CH2Ph	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
4-863	5-nitropyriđin-3-yl	Me	CH2(3-Py)	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
4-865	4-flopyriđin-3-yl	CH2(3-Py)	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
4-883	4-brompyriđin-2-yl	Me	CH2(3-Py-N-oxit)	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
4-886	4-xyanopyriđin-2-yl	CH2(3-Py-N-oxit)	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
4-887	phenyl	Me	Me	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
4-907	3-xyanophenyl	Me	Me	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
4-908	4-xyanophenyl	Me	Me	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
4-923	2-clopyriđin-3-yl	Me	Me	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
4-965	phenyl	Me	Me	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
4-985	3-xyanophenyl	Me	Me	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
4-986	4-xyanophenyl	Me	Me	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
4-1001	2-clopyriđin-3-yl	Me	Me	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
4-1043	phenyl	Me	Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1063	3-xyanophenyl	Me	Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1064	4-xyanophenyl	Me	Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1079	2-clopyriđin-3-yl	Me	Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1121	phenyl	Et	Et	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1122	phenyl	Et	n-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1123	phenyl	Et	i-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1124	phenyl	Et	CH2CH = CH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1125	phenyl	Et	CN	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1126	phenyl	Et	CH2C≡CH	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1127	phenyl	Et	NH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1128	phenyl	Et	C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3

4-1129	phenyl	Et	C(O)C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1130	phenyl	Et	C(O)Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1131	phenyl	Et	S(O)2Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1132	phenyl	Et	CH2Ph	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1133	phenyl	Et	CH2(3-Py)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1134	phenyl	Et	CH2(3-Py-N-oxit)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1135	phenyl	n-Pr	Et	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1136	phenyl	n-Pr	n-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 4(3)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
4-1137	phenyl	n-Pr	i-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1138	phenyl	n-Pr	CH2CH = CH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1139	phenyl	n-Pr	CN	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1140	phenyl	n-Pr	CH2C≡CH	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1141	phenyl	n-Pr	NH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1142	phenyl	n-Pr	C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1143	phenyl	n-Pr	C(O)C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1144	phenyl	n-Pr	C(O)Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1145	phenyl	n-Pr	S(O)2Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1146	phenyl	n-Pr	CH2Ph	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1147	phenyl	n-Pr	CH2(3-Py)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1148	phenyl	n-Pr	CH2(3-Py-N-oxit)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1149	phenyl	i-Pr	Et	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1150	phenyl	i-Pr	n-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1151	phenyl	i-Pr	i-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1152	phenyl	i-Pr	CH2CH = CH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1153	phenyl	i-Pr	CN	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1154	phenyl	i-Pr	CH2C≡CH	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1155	phenyl	i-Pr	NH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1156	phenyl	i-Pr	C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1157	phenyl	i-Pr	C(O)C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1158	phenyl	i-Pr	C(O)Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1159	phenyl	i-Pr	S(O)2Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1160	phenyl	i-Pr	CH2Ph	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1161	phenyl	i-Pr	CH2(3-Py)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1162	phenyl	i-Pr	CH2(3-Py-N-oxit)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1163	phenyl	CH2CH = CH2	Et	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1164	phenyl	CH2CH = CH2	n-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1165	phenyl	CH2CH = CH2	i-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1166	phenyl	CH2CH = CH2	CH2CH = CH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1167	phenyl	CH2CH = CH2	CN	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1168	phenyl	CH2CH = CH2	CH2C≡CH	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1169	phenyl	CH2CH = CH2	NH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1170	phenyl	CH2CH = CH2	C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1171	phenyl	CH2CH = CH2	C(O)C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1172	phenyl	CH2CH = CH2	C(O)Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1173	phenyl	CH2CH = CH2	S(O)2Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1174	phenyl	CH2CH = CH2	CH2Ph	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1175	phenyl	CH2CH = CH2	CH2(3-Py)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3

4-1176	phenyl	CH2CH = CH2	CH2(3-Py-N-oxit)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1177	phenyl	CN	Et	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1178	phenyl	CN	n-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1179	phenyl	CN	i-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1180	phenyl	CN	CH2CH = CH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1181	phenyl	CN	CN	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1182	phenyl	CN	CH2C≡CH	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1183	phenyl	CN	NH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1184	phenyl	CN	C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1185	phenyl	CN	C(O)C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1186	phenyl	CN	C(O)Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1187	phenyl	CN	S(O)2Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1188	phenyl	CN	CH2Ph	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1189	phenyl	CN	CH2(3-Py)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1190	phenyl	CN	CH2(3-Py-N-oxit)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1191	phenyl	CH2C≡CH	Et	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1192	phenyl	CH2C≡CH	n-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1193	phenyl	CH2C≡CH	i-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1194	phenyl	CH2C≡CH	CH2CH = CH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1195	phenyl	CH2C≡CH	CN	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1196	phenyl	CH2C≡CH	CH2C≡CH	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1197	phenyl	CH2C≡CH	NH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1198	phenyl	CH2C≡CH	C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1199	phenyl	CH2C≡CH	C(O)C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1200	phenyl	CH2C≡CH	C(O)Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1201	phenyl	CH2C≡CH	S(O)2Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1202	phenyl	CH2C≡CH	CH2Ph	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 4(4)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
4-1203	phenyl	CH2C≡CH	CH2(3-Py)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1204	phenyl	CH2C≡CH	CH2(3-Py-N-oxit)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1205	phenyl	NH2	Et	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1206	phenyl	NH2	n-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1207	phenyl	NH2	i-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1208	phenyl	NH2	CH2CH = CH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1209	phenyl	NH2	CN	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1210	phenyl	NH2	CH2C≡CH	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1211	phenyl	NH2	NH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1212	phenyl	NH2	C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1213	phenyl	NH2	C(O)C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1214	phenyl	NH2	C(O)Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1215	phenyl	NH2	S(O)2Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1216	phenyl	NH2	CH2Ph	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1217	phenyl	NH2	CH2(3-Py)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1218	phenyl	NH2	CH2(3-Py-N-oxit)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1219	phenyl	C(O)OMe	Et	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1220	phenyl	C(O)OMe	n-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1221	phenyl	C(O)OMe	i-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1222	phenyl	C(O)OMe	CH2CH = CH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1223	phenyl	C(O)OMe	CN	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1224	phenyl	C(O)OMe	CH2C≡CH	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1225	phenyl	C(O)OMe	NH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1226	phenyl	C(O)OMe	C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1227	phenyl	C(O)OMe	C(O)C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1228	phenyl	C(O)OMe	C(O)Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1229	phenyl	C(O)OMe	S(O)2Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1230	phenyl	C(O)OMe	CH2Ph	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1231	phenyl	C(O)OMe	CH2(3-Py)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1232	phenyl	C(O)OMe	CH2(3-Py-N-oxit)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1233	phenyl	C(O)C(O)OMe	Et	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1234	phenyl	C(O)C(O)OMe	n-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1235	phenyl	C(O)C(O)OMe	i-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1236	phenyl	C(O)C(O)OMe	CH2CH = CH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1237	phenyl	C(O)C(O)OMe	CN	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1238	phenyl	C(O)C(O)OMe	CH2C≡CH	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1239	phenyl	C(O)C(O)OMe	NH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1240	phenyl	C(O)C(O)OMe	C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1241	phenyl	C(O)C(O)OMe	C(O)C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3

4-1242	phenyl	C(O)C(O)OMe	C(O)Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1243	phenyl	C(O)C(O)OMe	S(O)2Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1244	phenyl	C(O)C(O)OMe	CH2Ph	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1245	phenyl	C(O)C(O)OMe	CH2(3-Py)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1246	phenyl	C(O)C(O)OMe	CH2(3-Py-N-oxit)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1247	phenyl	C(O)Me	Et	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1248	phenyl	C(O)Me	n-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1249	phenyl	C(O)Me	i-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1250	phenyl	C(O)Me	CH2CH = CH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1251	phenyl	C(O)Me	CN	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1252	phenyl	C(O)Me	CH2C≡CH	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1253	phenyl	C(O)Me	NH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1254	phenyl	C(O)Me	C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1255	phenyl	C(O)Me	C(O)C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1256	phenyl	C(O)Me	C(O)Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1257	phenyl	C(O)Me	S(O)2Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1258	phenyl	C(O)Me	CH2Ph	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1259	phenyl	C(O)Me	CH2(3-Py)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1260	phenyl	C(O)Me	CH2(3-Py-N-oxit)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1261	phenyl	S(O)2Me	Et	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1262	phenyl	S(O)2Me	n-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1263	phenyl	S(O)2Me	i-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1264	phenyl	S(O)2Me	CH2CH = CH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1265	phenyl	S(O)2Me	CN	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1266	phenyl	S(O)2Me	CH2C≡CH	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1267	phenyl	S(O)2Me	NH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1268	phenyl	S(O)2Me	C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 4(5)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
4-1269	phenyl	S(O)2Me	C(O)C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1270	phenyl	S(O)2Me	C(O)Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1271	phenyl	S(O)2Me	S(O)2Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1272	phenyl	S(O)2Me	CH2Ph	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1273	phenyl	S(O)2Me	CH2(3-Py)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1274	phenyl	S(O)2Me	CH2(3-Py-N-oxit)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1275	phenyl	CH2Ph	Et	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1276	phenyl	CH2Ph	n-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1277	phenyl	CH2Ph	i-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1278	phenyl	CH2Ph	CH2CH = CH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1279	phenyl	CH2Ph	CN	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1280	phenyl	CH2Ph	CH2C≡CH	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1281	phenyl	CH2Ph	NH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1282	phenyl	CH2Ph	C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1283	phenyl	CH2Ph	C(O)C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1284	phenyl	CH2Ph	C(O)Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1285	phenyl	CH2Ph	S(O)2Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1286	phenyl	CH2Ph	CH2Ph	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1287	phenyl	CH2Ph	CH2(3-Py)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1288	phenyl	CH2Ph	CH2(3-Py-N-oxit)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1289	phenyl	CH2(3-Py)	Et	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1290	phenyl	CH2(3-Py)	n-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1291	phenyl	CH2(3-Py)	i-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1292	phenyl	CH2(3-Py)	CH2CH = CH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1293	phenyl	CH2(3-Py)	CN	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1294	phenyl	CH2(3-Py)	CH2C≡CH	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1295	phenyl	CH2(3-Py)	NH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1296	phenyl	CH2(3-Py)	C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1297	phenyl	CH2(3-Py)	C(O)C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1298	phenyl	CH2(3-Py)	C(O)Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1299	phenyl	CH2(3-Py)	S(O)2Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1300	phenyl	CH2(3-Py)	CH2Ph	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1301	phenyl	CH2(3-Py)	CH2(3-Py)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1302	phenyl	CH2(3-Py)	CH2(3-Py-N-oxit)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1303	phenyl	CH2(3-Py-N-oxit)	Et	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1304	phenyl	CH2(3-Py-N-oxit)	n-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3

4-1305	phenyl	CH2(3-Py-N-oxit)	i-Pr	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1306	phenyl	CH2(3-Py-N-oxit)	CH2CH = CH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1307	phenyl	CH2(3-Py-N-oxit)	CN	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1308	phenyl	CH2(3-Py-N-oxit)	CH2C≡CH	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1309	phenyl	CH2(3-Py-N-oxit)	NH2	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1310	phenyl	CH2(3-Py-N-oxit)	C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1311	phenyl	CH2(3-Py-N-oxit)	C(O)C(O)OMe	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1312	phenyl	CH2(3-Py-N-oxit)	C(O)Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1313	phenyl	CH2(3-Py-N-oxit)	S(O)2Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1314	phenyl	CH2(3-Py-N-oxit)	CH2Ph	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1315	phenyl	CH2(3-Py-N-oxit)	CH2(3-Py)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1316	phenyl	CH2(3-Py-N-oxit)	CH2(3-Py-N-oxit)	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-1317	phenyl	Me	Me	H	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
4-1348	2-clopyriđin-3-yl	Me	Me	H	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
4-1373	phenyl	Me	Me	H	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
4-1404	2-clopyriđin-3-yl	Me	Me	H	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
4-1429	phenyl	Me	Me	H	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
4-1460	2-clopyriđin-3-yl	Me	Me	H	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
4-1485	phenyl	Me	Me	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
4-1516	2-clopyriđin-3-yl	Me	Me	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
4-1541	phenyl	Me	Me	H	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
4-1561	3-xyanophenyl	Me	Me	H	CN	H	H	CF3	H	heptafloisopropyl	H	CF3

Bảng 4(6)

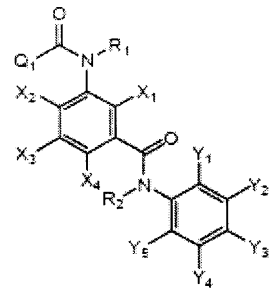
Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
4-1562	4-xyanophenyl	Me	Me	H	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
4-1577	2-clopyriđin-3-yl	Me	Me	H	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
4-1609	phenyl	Me	Me	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
4-1629	3-xyanophenyl	Me	Me	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
4-1630	4-xyanophenyl	Me	Me	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
4-1645	2-clopyriđin-3-yl	Me	Me	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
4-1873	phenyl	Me	Me	F	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
4-1893	3-xyanophenyl	Me	Me	F	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
4-1909	2-clopyriđin-3-yl	Me	Me	F	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
4-1951	phenyl	Me	Me	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
4-1971	3-xyanophenyl	Me	Me	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
4-1972	4-xyanophenyl	Me	Me	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
4-1987	2-clopyriđin-3-yl	Me	Me	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
4-2029	phenyl	Me	Me	F	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
4-2049	3-xyanophenyl	Me	Me	F	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
4-2050	4-xyanophenyl	Me	Me	F	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
4-2065	2-clopyriđin-3-yl	Me	Me	F	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
4-2107	phenyl	Me	Me	F	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
4-2127	3-xyanophenyl	Me	Me	F	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
4-2128	4-xyanophenyl	Me	Me	F	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
4-2143	2-clopyriđin-3-yl	Me	Me	F	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
4-2185	phenyl	Me	Me	F	CN	H	H	I	H	heptafloisopropyl	H	OCF3
4-2205	3-xyanophenyl	Me	Me	F	CN	H	H	I	H	heptafloisopropyl	H	OCF3
4-2206	4-xyanophenyl	Me	Me	F	CN	H	H	I	H	heptafloisopropyl	H	OCF3
4-2221	2-clopyriđin-3-yl	Me	Me	F	CN	H	H	I	H	heptafloisopropyl	H	OCF3
4-2263	phenyl	Me	Me	F	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
4-2283	3-xyanophenyl	Me	Me	F	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
4-2284	4-xyanophenyl	Me	Me	F	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
4-2299	2-clopyriđin-3-yl	Me	Me	F	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
4-2537	phenyl	Me	Me	F	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
4-2538	phenyl	Et	Me	F	CN	H	H	F	H	heptafloisopropyl	H	CF3
4-2544	3-xyanophenyl	Me	Me	F	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
4-2545	4-xyanophenyl	Me	Me	F	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
4-2560	2-clopyriđin-3-yl	Me	Me	F	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
4-2602	phenyl	Me	Me	F	CN	H	H	F	H	nonaflo-2-butyl	H	CF3
4-2603	phenyl	Me	Me	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
4-2623	3-xyanophenyl	Me	Me	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
4-2624	4-xyanophenyl	Me	Me	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
4-2639	2-clopyriđin-3-yl	Me	Me	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3

4-2681	phenyl	Me	Me	F	CN	H	H	Br	H	heptafloisopropyl	H	CF3
4-2701	3-xyanophenyl	Me	Me	F	CN	H	H	Br	H	heptafloisopropyl	H	CF3
4-2702	4-xyanophenyl	Me	Me	F	CN	H	H	Br	H	heptafloisopropyl	H	CF3
4-2717	2-clopyriđin-3-yl	Me	Me	F	CN	H	H	Br	H	heptafloisopropyl	H	CF3
4-2759	phenyl	Me	Me	F	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
4-2779	3-xyanophenyl	Me	Me	F	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
4-2780	4-xyanophenyl	Me	Me	F	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
4-2795	2-clopyriđin-3-yl	Me	Me	F	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
4-2837	phenyl	Me	Me	F	CN	H	H	I	H	heptafloisopropyl	H	CF3
4-2857	3-xyanophenyl	Me	Me	F	CN	H	H	I	H	heptafloisopropyl	H	CF3
4-2858	4-xyanophenyl	Me	Me	F	CN	H	H	I	H	heptafloisopropyl	H	CF3
4-2873	2-clopyriđin-3-yl	Me	Me	F	CN	H	H	I	H	heptafloisopropyl	H	CF3
4-2915	phenyl	Me	Me	F	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-2935	3-xyanophenyl	Me	Me	F	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-2936	4-xyanophenyl	Me	Me	F	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-2951	2-clopyriđin-3-yl	Me	Me	F	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
4-3189	phenyl	Me	Me	F	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
4-3220	2-clopyriđin-3-yl	Me	Me	F	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
4-3245	phenyl	Me	Me	F	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
4-3276	2-clopyriđin-3-yl	Me	Me	F	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
4-3301	phenyl	Me	Me	F	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
4-3332	2-clopyriđin-3-yl	Me	Me	F	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
4-3357	phenyl	Me	Me	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
4-3388	2-clopyriđin-3-yl	Me	Me	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
4-3413	phenyl	Me	Me	F	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
4-3433	3-xyanophenyl	Me	Me	F	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
4-3434	4-xyanophenyl	Me	Me	F	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
4-3449	2-clopyriđin-3-yl	Me	Me	F	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
4-3481	phenyl	Me	Me	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
4-3493	4-iođophenyl	Me	Me	F	CN	H	H	C2F5	H	nonaflo-2-butyl	H	CF3
4-3501	3-xyanophenyl	Me	Me	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
4-3502	4-xyanophenyl	Me	Me	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
4-3517	2-clopyriđin-3-yl	Me	Me	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3

Bảng 4(7)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
4-3745	phenyl	Me	Me	F	CN	F	H	Cl	H	heptafloisopropyl	H	OCF3
4-3765	3-xyanophenyl	Me	Me	F	CN	F	H	Cl	H	heptafloisopropyl	H	OCF3
4-3766	4-xyanophenyl	Me	Me	F	CN	F	H	Cl	H	heptafloisopropyl	H	OCF3
4-3781	2-clopyriđin-3-yl	Me	Me	F	CN	F	H	Cl	H	heptafloisopropyl	H	OCF3
4-3823	phenyl	Me	Me	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
4-3843	3-xyanophenyl	Me	Me	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
4-3844	4-xyanophenyl	Me	Me	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
4-3859	2-clopyriđin-3-yl	Me	Me	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
4-3901	phenyl	Me	Me	F	CN	F	H	Br	H	heptafloisopropyl	H	OCF3
4-3921	3-xyanophenyl	Me	Me	F	CN	F	H	Br	H	heptafloisopropyl	H	OCF3
4-3922	4-xyanophenyl	Me	Me	F	CN	F	H	Br	H	heptafloisopropyl	H	OCF3
4-3937	2-clopyriđin-3-yl	Me	Me	F	CN	F	H	Br	H	heptafloisopropyl	H	OCF3
4-3979	phenyl	Me	Me	F	CN	F	H	Br	H	nonaflo-2-butyl	H	OCF3
4-3999	3-xyanophenyl	Me	Me	F	CN	F	H	Br	H	nonaflo-2-butyl	H	OCF3
4-4000	4-xyanophenyl	Me	Me	F	CN	F	H	Br	H	nonaflo-2-butyl	H	OCF3
4-4015	2-clopyriđin-3-yl	Me	Me	F	CN	F	H	Br	H	nonaflo-2-butyl	H	OCF3
4-4057	phenyl	Me	Me	F	CN	F	H	I	H	heptafloisopropyl	H	OCF3
4-4077	3-xyanophenyl	Me	Me	F	CN	F	H	I	H	heptafloisopropyl	H	OCF3
4-4078	4-xyanophenyl	Me	Me	F	CN	F	H	I	H	heptafloisopropyl	H	OCF3
4-4093	2-clopyriđin-3-yl	Me	Me	F	CN	F	H	I	H	heptafloisopropyl	H	OCF3
4-4135	phenyl	Me	Me	F	CN	F	H	I	H	nonaflo-2-butyl	H	OCF3
4-4155	3-xyanophenyl	Me	Me	F	CN	F	H	I	H	nonaflo-2-butyl	H	OCF3
4-4156	4-xyanophenyl	Me	Me	F	CN	F	H	I	H	nonaflo-2-butyl	H	OCF3
4-4171	2-clopyriđin-3-yl	Me	Me	F	CN	F	H	I	H	nonaflo-2-butyl	H	OCF3
4-4409	phenyl	Me	Me	F	CN	F	H	Cl	H	heptafloisopropyl	H	CF3
4-4410	phenyl	Et	Me	F	CN	F	H	F	H	heptafloisopropyl	H	CF3
4-4416	3-xyanophenyl	Me	Me	F	CN	F	H	Cl	H	heptafloisopropyl	H	CF3
4-4417	4-xyanophenyl	Me	Me	F	CN	F	H	Cl	H	heptafloisopropyl	H	CF3
4-4432	2-clopyriđin-3-yl	Me	Me	F	CN	F	H	Cl	H	heptafloisopropyl	H	CF3
4-4474	phenyl	Me	Me	F	CN	F	H	F	H	nonaflo-2-butyl	H	CF3
4-4475	phenyl	Me	Me	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	CF3
4-4495	3-xyanophenyl	Me	Me	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	CF3
4-4496	4-xyanophenyl	Me	Me	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	CF3
4-4511	2-clopyriđin-3-yl	Me	Me	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	CF3
4-4553	phenyl	Me	Me	F	CN	F	H	Br	H	heptafloisopropyl	H	CF3
4-4573	3-xyanophenyl	Me	Me	F	CN	F	H	Br	H	heptafloisopropyl	H	CF3
4-4574	4-xyanophenyl	Me	Me	F	CN	F	H	Br	H	heptafloisopropyl	H	CF3
4-4589	2-clopyriđin-3-yl	Me	Me	F	CN	F	H	Br	H	heptafloisopropyl	H	CF3
4-4631	phenyl	Me	Me	F	CN	F	H	Br	H	nonaflo-2-butyl	H	CF3

4-4651	3-xyanophenyl	Me	Me	F	CN	F	H	Br	H	nonaflo-2-butyl	H	CF3
4-4652	4-xyanophenyl	Me	Me	F	CN	F	H	Br	H	nonaflo-2-butyl	H	CF3
4-4667	2-clopyriđin-3-yl	Me	Me	F	CN	F	H	Br	H	nonaflo-2-butyl	H	CF3
4-4709	phenyl	Me	Me	F	CN	F	H	I	H	heptafloisopropyl	H	CF3
4-4729	3-xyanophenyl	Me	Me	F	CN	F	H	I	H	heptafloisopropyl	H	CF3
4-4730	4-xyanophenyl	Me	Me	F	CN	F	H	I	H	heptafloisopropyl	H	CF3
4-4745	2-clopyriđin-3-yl	Me	Me	F	CN	F	H	I	H	heptafloisopropyl	H	CF3
4-4787	phenyl	Me	Me	F	CN	F	H	I	H	nonaflo-2-butyl	H	CF3
4-4807	3-xyanophenyl	Me	Me	F	CN	F	H	I	H	nonaflo-2-butyl	H	CF3
4-4808	4-xyanophenyl	Me	Me	F	CN	F	H	I	H	nonaflo-2-butyl	H	CF3
4-4823	2-clopyriđin-3-yl	Me	Me	F	CN	F	H	I	H	nonaflo-2-butyl	H	CF3
4-5061	phenyl	Me	Me	F	CN	F	H	OCF3	H	heptafloisopropyl	H	OCF3
4-5092	2-clopyriđin-3-yl	Me	Me	F	CN	F	H	OCF3	H	heptafloisopropyl	H	OCF3
4-5117	phenyl	Me	Me	F	CN	F	H	OCF3	H	nonaflo-2-butyl	H	OCF3
4-5148	2-clopyriđin-3-yl	Me	Me	F	CN	F	H	OCF3	H	nonaflo-2-butyl	H	OCF3
4-5173	phenyl	Me	Me	F	CN	F	H	CF3	H	heptafloisopropyl	H	OCF3
4-5204	2-clopyriđin-3-yl	Me	Me	F	CN	F	H	CF3	H	heptafloisopropyl	H	OCF3
4-5229	phenyl	Me	Me	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	OCF3
4-5260	2-clopyriđin-3-yl	Me	Me	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	OCF3
4-5285	phenyl	Me	Me	F	CN	F	H	CF3	H	heptafloisopropyl	H	CF3
4-5305	3-xyanophenyl	Me	Me	F	CN	F	H	CF3	H	heptafloisopropyl	H	CF3
4-5306	4-xyanophenyl	Me	Me	F	CN	F	H	CF3	H	heptafloisopropyl	H	CF3
4-5321	2-clopyriđin-3-yl	Me	Me	F	CN	F	H	CF3	H	heptafloisopropyl	H	CF3
4-5353	phenyl	Me	Me	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	CF3
4-5373	3-xyanophenyl	Me	Me	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	CF3
4-5374	4-xyanophenyl	Me	Me	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	CF3
4-5389	2-clopyriđin-3-yl	Me	Me	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	CF3



Bảng 5(1)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
5-9	3-bromphenyl	H	Et	H	CN	H	H	Cl	F	heptafloisopropyl	F	OCF3
5-39	2-iođopyriđin-3-yl	H	H	H	CN	H	H	Cl	Me	nonaflo-2-butyl	Me	OCF3
5-144	phenyl	H	H	H	CN	H	H	Cl	F	heptafloisopropyl	H	CF3
5-145	2-flophenyl	Me	H	H	CN	H	H	Cl	H	heptafloisopropyl	F	CF3
5-146	3-flophenyl	H	Me	H	CN	H	H	Cl	Cl	heptafloisopropyl	H	CF3
5-147	4-flophenyl	Me	Me	H	CN	H	H	Cl	H	heptafloisopropyl	Cl	CF3
5-148	2-clophenyl	H	H	H	CN	H	H	F	Br	heptafloisopropyl	H	CF3
5-149	3-clophenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	Br	CF3
5-150	4-clophenyl	Et	H	H	CN	H	H	Cl	I	heptafloisopropyl	H	C2F5
5-151	2-bromphenyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	I	CF3
5-152	3-bromphenyl	H	Et	H	CN	H	H	Cl	F	heptafloisopropyl	F	CF3
5-153	4-bromphenyl	H	H	H	CN	H	H	Cl	F	heptafloisopropyl	Cl	CF3
5-154	2-iođophenyl	H	H	H	CN	H	H	Cl	F	heptafloisopropyl	Br	CF3
5-155	3-iođophenyl	Et	Et	H	CN	H	H	Cl	F	pentafloetyl	I	C2F5
5-156	4-iođophenyl	H	H	H	CN	H	H	Cl	Cl	pentafloetyl	F	CF3
5-157	(2-triflometyl)phenyl	H	H	H	CN	H	H	Cl	Cl	heptafloisopropyl	Cl	CF3
5-158	(3-triflometyl)phenyl	n-Pr	H	H	CN	H	H	Cl	Cl	heptafloisopropyl	Br	CF3
5-159	(4-triflometyl)phenyl	H	H	H	CN	H	H	Cl	Cl	heptafloisopropyl	I	n-C3F7
5-160	2-nitrophenyl	H	n-Pr	H	CN	H	H	Cl	Br	heptafloisopropyl	F	CF3
5-161	3-nitrophenyl	H	H	H	CN	H	H	Cl	Br	heptafloisopropyl	Cl	CF3
5-162	4-nitrophenyl	H	H	H	CN	H	H	Cl	Br	heptafloisopropyl	Br	CF3
5-163	2-xyanophenyl	n-Pr	n-Pr	H	CN	H	H	Cl	Br	pentafloetyl	I	CF3
5-164	3-xyanophenyl	H	H	H	CN	H	H	F	I	nonaflo-2-butyl	F	CF3

5-165	4-xyanophenyl	H	H	H	CN	H	H	Cl	I	nonaflo-2-butyl	Cl	CF3
5-166	2,6-điflophenyl	H	H	H	CN	H	H	Cl	I	nonaflo-2-butyl	Br	CF3
5-167	3,4-điclophenyl	H	H	H	CN	H	H	Cl	I	nonaflo-2-butyl	I	CF3
5-168	2,4-điclophenyl	H	H	H	CN	H	H	Cl	Me	nonaflo-2-butyl	H	CF3
5-169	2-clo-4-flophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	Me	CF3
5-170	2-clo-4,5-điflophenyl	i-Pr	H	H	CN	H	H	Cl	Et	nonaflo-2-butyl	H	CF3
5-171	4-brom-2-clophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	Et	CF3
5-172	2-brom-4-clophenyl	H	H	H	CN	H	H	Cl	n-Pr	nonaflo-2-butyl	H	CF3
5-173	2-brom-4-flophenyl	H	i-Pr	H	CN	H	H	Cl	H	nonaflo-2-butyl	n-Pr	CF3
5-174	2-clo-4-nitrophenyl	i-Pr	i-Pr	H	CN	H	H	Cl	i-Pr	nonaflo-2-butyl	H	CF3
5-175	3,5-dixyanophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	i-Pr	CF3
5-176	4-xyano-2-flophenyl	H	H	H	CN	H	H	Cl	n-Bu	nonaflo-2-butyl	H	CF3
5-177	2-clo-4-xyanophenyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	n-Bu	CF3
5-178	pyriđin-3-yl	H	H	H	CN	H	H	Cl	i-Bu	nonaflo-2-butyl	H	CF3
5-179	2-flopyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	i-Bu	CF3
5-180	2-clopyriđin-3-yl	H	H	H	CN	H	H	Cl	s-Bu	nonaflo-2-butyl	H	C2F5
5-181	2-brompyriđin-3-yl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	s-Bu	CF3
5-182	2-iođopyriđin-3-yl	H	H	H	CN	H	H	Cl	Me	nonaflo-2-butyl	Me	n-C3F7
5-183	2-(triflometyl)pyriđin-3-yl	H	H	H	CN	H	H	Cl	Me	nonaflo-2-butyl	Et	i-C3F7
5-184	2-nitropyriđin-3-yl	C(O)Me	H	H	CN	H	H	Cl	Me	nonaflo-2-butyl	n-Pr	CF3
5-185	2-xyanopyriđin-3-yl	H	H	H	CN	H	H	Cl	Me	nonaflo-2-butyl	i-Pr	CF3
5-186	6-flopyriđin-3-yl	H	H	H	CN	H	H	Cl	Me	nonaflo-2-butyl	n-Bu	CF3
5-187	6-clopyriđin-3-yl	H	H	H	CN	H	H	Cl	Me	nonaflo-2-butyl	i-Bu	CF3
5-188	6-brompyriđin-3-yl	H	C(O)Me	H	CN	H	H	Cl	Me	nonaflo-2-butyl	s-Bu	CF3
5-189	6-iođopyriđin-3-yl	H	H	H	CN	H	H	Cl	Et	nonaflo-2-butyl	Me	n-C3F7
5-190	6-(triflometyl)pyriđin-3-yl	H	H	H	CN	H	H	Cl	Et	nonaflo-2-butyl	Et	i-C3F7
5-191	6-nitropyriđin-3-yl	C(O)Me	C(O)Me	H	CN	H	H	Cl	Et	nonaflo-2-butyl	n-Pr	CF3
5-192	6-xyanopyriđin-3-yl	H	H	H	CN	H	H	Cl	Et	nonaflo-2-butyl	i-Pr	CF3
5-193	phenyl	H	H	H	CN	H	H	Br	Et	heptafloisopropyl	n-Bu	CF3

5-194	5-flopyriđin-3-yl	H	H	H	CN	H	H	Br	Et	heptafloisopropyl	i-Bu	CF3
5-195	5-clopyriđin-3-yl	H	H	H	CN	H	H	Br	Et	heptafloisopropyl	s-Bu	CF3
5-196	5-brompyriđin-3-yl	H	H	H	CN	H	H	Br	n-Pr	heptafloisopropyl	Me	CF3

Bảng 5(2)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
5-197	5-iođopyriđin-3-yl	H	H	H	CN	H	H	Br	n-Pr	heptafloisopropyl	Et	CF3
5-198	5-(triflometyl)pyriđin-3-yl	Me	Et	H	CN	H	H	Br	n-Pr	pentafloetyl	n-Pr	CF3
5-199	5-nitropyriđin-3-yl	H	H	H	CN	H	H	Br	n-Pr	heptafloisopropyl	i-Pr	CF3
5-200	5-xyanopyriđin-3-yl	H	H	H	CN	H	H	Br	n-Pr	pentafloetyl	n-Bu	CF3
5-201	4-flopyriđin-3-yl	H	H	H	CN	H	H	Br	n-Pr	heptafloisopropyl	i-Bu	CF3
5-202	4-clopyriđin-3-yl	H	H	H	CN	H	H	Br	n-Pr	heptafloisopropyl	s-Bu	CF3
5-203	4-brompyriđin-3-yl	Me	n-Pr	H	CN	H	H	Br	i-Pr	heptafloisopropyl	Me	CF3
5-204	4-iođopyriđin-3-yl	H	H	H	CN	H	H	Br	i-Pr	heptafloisopropyl	Et	CF3
5-205	4-(triflometyl)pyriđin-3-yl	H	H	H	CN	H	H	Br	i-Pr	heptafloisopropyl	n-Pr	CF3
5-206	4-nitropyriđin-3-yl	H	H	H	CN	H	H	Br	i-Pr	heptafloisopropyl	i-Pr	CF3
5-207	4-xyanopyriđin-3-yl	H	H	H	CN	H	H	Br	i-Pr	heptafloisopropyl	n-Bu	CF3
5-208	2,6-điclopyriđin-3-yl	H	H	H	CN	H	H	Br	i-Pr	heptafloisopropyl	i-Bu	CF3
5-209	pyriđin-3-yl N-oxit	Me	i-Pr	H	CN	H	H	Br	i-Pr	heptafloisopropyl	s-Bu	CF3
5-210	pyriđin-4-yl	H	H	H	CN	H	H	Br	n-Bu	heptafloisopropyl	Me	CF3
5-211	2-clopyriđin-4-yl	H	H	H	CN	H	H	Br	n-Bu	heptafloisopropyl	Et	CF3
5-212	3-brompyriđin-4-yl	H	H	H	CN	H	H	Br	n-Bu	heptafloisopropyl	n-Pr	CF3
5-213	3,5-điclopyriđin-4-yl	H	H	H	CN	H	H	Br	n-Bu	nonaflo-2-butyl	i-Pr	CF3
5-214	3-(triflometyl)pyriđin-4-yl	H	H	H	CN	H	H	Br	n-Bu	nonaflo-2-butyl	n-Bu	CF3
5-215	2,6-đixyanopyriđin-4-yl	H	H	H	CN	H	H	Br	n-Bu	nonaflo-2-butyl	i-Bu	CF3
5-216	pyriđin-4-yl N-oxit	Me	C(O)Me	H	CN	H	H	Br	n-Bu	nonaflo-2-butyl	s-Bu	CF3
5-217	pyriđin-2-yl	H	H	H	CN	H	H	Br	i-Bu	nonaflo-2-butyl	Me	CF3

5-218	3-clopyriđin-2-yl	H	H	H	CN	H	H	Br	i-Bu	nonaflo-2-butyl	Et	CF3
5-219	4-brompyriđin-2-yl	H	H	H	CN	H	H	Br	i-Bu	nonaflo-2-butyl	n-Pr	CF3
5-220	5-iođopyriđin-2-yl	H	H	H	CN	H	H	Br	i-Bu	nonaflo-2-butyl	i-Pr	CF3
5-221	6-clopyriđin-2-yl	H	H	H	CN	H	H	Br	i-Bu	nonaflo-2-butyl	n-Bu	CF3
5-222	4-xyanopyriđin-2-yl	H	H	H	CN	H	H	Br	i-Bu	nonaflo-2-butyl	i-Bu	CF3
5-223	phenyl	H	H	H	CN	H	H	Br	i-Bu	nonaflo-2-butyl	s-Bu	C2F5
5-224	2-flophenyl	H	H	H	CN	H	H	Br	s-Bu	nonaflo-2-butyl	Me	CF3
5-225	3-flophenyl	H	H	H	CN	H	H	Br	s-Bu	nonaflo-2-butyl	Et	CF3
5-226	4-flophenyl	H	H	H	CN	H	H	Br	s-Bu	nonaflo-2-butyl	n-Pr	CF3
5-227	2-clophenyl	H	H	H	CN	H	H	Br	s-Bu	nonaflo-2-butyl	i-Pr	CF3
5-228	3-clophenyl	H	H	H	CN	H	H	Br	s-Bu	nonaflo-2-butyl	n-Bu	CF3
5-229	4-clophenyl	H	H	H	CN	H	H	Br	s-Bu	nonaflo-2-butyl	i-Bu	CF3
5-230	2-bromphenyl	Et	Me	H	CN	H	H	Br	s-Bu	nonaflo-2-butyl	s-Bu	CF3
5-231	3-bromphenyl	H	H	H	CN	H	H	Br	F	nonaflo-2-butyl	Me	CF3
5-232	4-bromphenyl	H	H	H	CN	H	H	Br	F	nonaflo-2-butyl	Et	CF3
5-233	2-iođophenyl	H	H	H	CN	H	H	Br	F	nonaflo-2-butyl	n-Pr	CF3
5-234	3-iođophenyl	H	H	H	CN	H	H	Br	F	nonaflo-2-butyl	i-Pr	CF3
5-235	4-iođophenyl	H	H	H	CN	H	H	Br	F	nonaflo-2-butyl	n-Bu	CF3
5-236	(2-triflometyl)phenyl	H	H	H	CN	H	H	Br	F	nonaflo-2-butyl	i-Bu	CF3
5-237	(3-triflometyl)phenyl	Et	n-Pr	H	CN	H	H	Br	F	nonaflo-2-butyl	s-Bu	CF3
5-238	(4-triflometyl)phenyl	Et	i-Pr	H	CN	H	H	Br	Cl	nonaflo-2-butyl	Me	CF3
5-239	2-nitrophenyl	H	H	H	CN	H	H	Br	Cl	nonaflo-2-butyl	Et	CF3
5-240	phenyl	H	H	H	CN	H	H	I	Cl	pentafloetyl	n-Pr	i-C3F7
5-241	3-nitrophenyl	H	H	H	CN	H	H	I	Cl	heptafloisopropyl	i-Pr	CF3
5-242	4-nitrophenyl	H	H	H	CN	H	H	I	Cl	heptafloisopropyl	n-Bu	CF3
5-243	2-xyanophenyl	Et	C(O)Me	H	CN	H	H	I	Cl	heptafloisopropyl	i-Bu	CF3
5-244	3-xyanophenyl	H	H	H	CN	H	H	I	Cl	heptafloisopropyl	s-Bu	CF3
5-245	4-xyanophenyl	H	H	H	CN	H	H	I	Br	heptafloisopropyl	Me	CF3
5-246	2,6-điflophenyl	H	H	H	CN	H	H	I	Br	heptafloisopropyl	Et	CF3
5-247	3,4-điclophenyl	H	H	H	CN	H	H	I	Br	pentafloetyl	n-Pr	CF3
5-248	2,4-điclophenyl	H	H	H	CN	H	H	I	Br	heptafloisopropyl	i-Pr	CF3

5-249	2-clo-4-flophenyl	H	H	H	CN	H	H	I	Br	heptafloisopropyl	n-Bu	CF3
5-250	2-clo-4,5-diflophenyl	H	H	H	CN	H	H	I	Br	heptafloisopropyl	i-Bu	CF3
5-251	4-brom-2-clophenyl	H	H	H	CN	H	H	I	Br	heptafloisopropyl	s-Bu	CF3
5-252	2-brom-4-clophenyl	n-Pr	Me	H	CN	H	H	I	I	heptafloisopropyl	Me	CF3
5-253	2-brom-4-flophenyl	H	H	H	CN	H	H	I	I	heptafloisopropyl	Et	CF3
5-254	2-clo-4-nitrophenyl	n-Pr	Et	H	CN	H	H	I	I	heptafloisopropyl	n-Pr	CF3
5-255	3,5-dixyanophenyl	H	H	H	CN	H	H	I	I	heptafloisopropyl	i-Pr	CF3
5-256	4-xyano-2-flophenyl	H	H	H	CN	H	H	I	I	heptafloisopropyl	n-Bu	CF3
5-257	2-clo-4-xyanophenyl	H	H	H	CN	H	H	I	I	heptafloisopropyl	i-Bu	CF3
5-258	pyridin-3-yl	H	H	H	CN	H	H	I	I	heptafloisopropyl	s-Bu	CF3
5-259	2-flopyridin-3-yl	H	H	H	CN	H	H	I	Me	heptafloisopropyl	F	C2F5
5-260	2-clopyridin-3-yl	H	H	H	CN	H	H	I	Me	nonaflo-2-butyl	Cl	CF3

Bảng 5(3)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
5-261	2-brompyriđin-3-yl	H	H	H	CN	H	H	I	Me	nonaflo-2-butyl	Br	n-C3F7
5-262	2-iođopyriđin-3-yl	H	H	H	CN	H	H	I	Me	nonaflo-2-butyl	I	i-C3F7
5-263	2-(triflometyl)pyriđin-3-yl	H	H	H	CN	H	H	I	Et	nonaflo-2-butyl	F	CF3
5-264	2-nitropyriđin-3-yl	H	H	H	CN	H	H	I	Et	nonaflo-2-butyl	Cl	CF3
5-265	2-xyanopyriđin-3-yl	H	H	H	CN	H	H	I	Et	nonaflo-2-butyl	Br	CF3
5-266	6-flopyriđin-3-yl	n-Pr	i-Pr	H	CN	H	H	I	Et	nonaflo-2-butyl	I	C2F5
5-267	6-clopyriđin-3-yl	H	H	H	CN	H	H	I	n-Pr	nonaflo-2-butyl	F	CF3
5-268	6-brompyriđin-3-yl	H	H	H	CN	H	H	I	n-Pr	nonaflo-2-butyl	Cl	CF3
5-269	6-iođopyriđin-3-yl	H	H	H	CN	H	H	I	n-Pr	nonaflo-2-butyl	Br	CF3
5-270	6-(triflometyl)pyriđin-3-yl	H	H	H	CN	H	H	I	n-Pr	nonaflo-2-butyl	I	n-C3F7
5-271	6-nitropyriđin-3-yl	H	H	H	CN	H	H	I	i-Pr	nonaflo-2-butyl	F	i-C3F7
5-272	6-xyanopyriđin-3-yl	H	H	H	CN	H	H	I	i-Pr	nonaflo-2-butyl	Cl	CF3
5-273	5-flopyriđin-3-yl	n-Pr	C(O)Me	H	CN	H	H	I	i-Pr	nonaflo-2-butyl	Br	CF3
5-274	5-clopyriđin-3-yl	H	H	H	CN	H	H	I	i-Pr	nonaflo-2-butyl	I	CF3
5-275	5-brompyriđin-3-yl	H	H	H	CN	H	H	I	n-Bu	nonaflo-2-butyl	F	CF3
5-276	5-iođopyriđin-3-yl	H	H	H	CN	H	H	I	n-Bu	nonaflo-2-butyl	Cl	CF3
5-277	5-(triflometyl)pyriđin-3-yl	H	H	H	CN	H	H	I	n-Bu	nonaflo-2-butyl	Br	CF3
5-278	5-nitropyriđin-3-yl	i-Pr	Me	H	CN	H	H	I	n-Bu	nonaflo-2-butyl	I	CF3
5-279	5-xyanopyriđin-3-yl	H	H	H	CN	H	H	I	i-Bu	nonaflo-2-butyl	F	CF3
5-280	4-flopyriđin-3-yl	H	H	H	CN	H	H	I	i-Bu	nonaflo-2-butyl	Cl	CF3
5-281	4-clopyriđin-3-yl	H	H	H	CN	H	H	I	i-Bu	nonaflo-2-butyl	Br	CF3
5-282	4-brompyriđin-3-yl	i-Pr	Et	H	CN	H	H	I	i-Bu	nonaflo-2-butyl	I	CF3
5-283	4-iođopyriđin-3-yl	i-Pr	n-Pr	H	CN	H	H	I	s-Bu	nonaflo-2-butyl	F	CF3
5-284	4-(triflometyl)pyriđin-3-yl	H	H	H	CN	H	H	I	s-Bu	nonaflo-2-butyl	Cl	CF3
5-285	4-nitropyriđin-3-yl	i-Pr	C(O)Me	H	CN	H	H	I	s-Bu	nonaflo-2-butyl	Br	CF3
5-286	4-xyanopyriđin-3-yl	H	H	H	CN	H	H	I	s-Bu	nonaflo-2-butyl	I	CF3

5-295	3-bromphenyl	H	Et	H	CN	H	H	OCF3	F	heptafloisopropyl	F	OCF3
5-325	2-iodopyridin-3-yl	H	H	H	CN	H	H	OCF3	Me	nonaflo-2-butyl	Me	OCF3
5-438	3-bromphenyl	H	Et	H	CN	H	H	OCF3	F	heptafloisopropyl	F	CF3
5-468	2-iodopyridin-3-yl	H	H	H	CN	H	H	OCF3	Me	nonaflo-2-butyl	Me	CF3
5-581	3-bromphenyl	H	Et	H	CN	H	H	CF3	F	heptafloisopropyl	F	CF3
5-611	2-iodopyridin-3-yl	H	H	H	CN	H	H	CF3	Me	nonaflo-2-butyl	Me	CF3
5-724	3-bromphenyl	H	Et	F	CN	H	H	Cl	F	heptafloisopropyl	F	OCF3
5-754	2-iodopyridin-3-yl	H	H	F	CN	H	H	Cl	Me	nonaflo-2-butyl	Me	OCF3
5-863	2-clophenyl	H	H	F	CN	H	H	F	Br	heptafloisopropyl	H	CF3
5-869	2-iodophenyl	H	H	F	CN	H	H	Cl	F	heptafloisopropyl	Br	CF3
5-876	3-nitrophenyl	H	H	F	CN	H	H	Cl	Br	heptafloisopropyl	Cl	CF3
5-883	2,4-diclophenyl	H	H	F	CN	H	H	Cl	Me	nonaflo-2-butyl	H	CF3
5-884	2-clo-4-flophenyl	H	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	Me	CF3
5-885	2-clo-4,5-diflophenyl	i-Pr	H	F	CN	H	H	Cl	Et	nonaflo-2-butyl	H	CF3
5-886	4-brom-2-clophenyl	H	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	Et	CF3
5-897	2-iodopyridin-3-yl	H	H	F	CN	H	H	Cl	Me	nonaflo-2-butyl	Me	n-C3F7
5-898	2-(triflometyl)pyridin-3-yl	H	H	F	CN	H	H	Cl	Me	nonaflo-2-butyl	Et	i-C3F7
5-904	6-iodopyridin-3-yl	H	H	F	CN	H	H	Cl	Et	nonaflo-2-butyl	Me	n-C3F7
5-905	6-(triflometyl)pyridin-3-yl	H	H	F	CN	H	H	Cl	Et	nonaflo-2-butyl	Et	i-C3F7
5-911	5-brompyridin-3-yl	H	H	F	CN	H	H	Br	n-Pr	heptafloisopropyl	Me	CF3
5-912	5-iodopyridin-3-yl	H	H	F	CN	H	H	Br	n-Pr	heptafloisopropyl	Et	CF3
5-918	4-brompyridin-3-yl	Me	n-Pr	F	CN	H	H	Br	i-Pr	heptafloisopropyl	Me	CF3
5-919	4-iodopyridin-3-yl	H	H	F	CN	H	H	Br	i-Pr	heptafloisopropyl	Et	CF3
5-925	pyridin-4-yl	H	H	F	CN	H	H	Br	n-Bu	heptafloisopropyl	Me	CF3
5-926	2-clopyridin-4-yl	H	H	F	CN	H	H	Br	n-Bu	heptafloisopropyl	Et	CF3
5-932	pyridin-2-yl	H	H	F	CN	H	H	Br	i-Bu	nonaflo-2-butyl	Me	CF3
5-933	3-clopyridin-2-yl	H	H	F	CN	H	H	Br	i-Bu	nonaflo-2-butyl	Et	CF3
5-939	2-flophenyl	H	H	F	CN	H	H	Br	s-Bu	nonaflo-2-butyl	Me	CF3

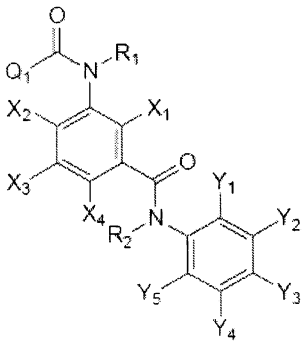
5-940	3-flophenyl	H	H	F	CN	H	H	Br	s-Bu	nonaflo-2-butyl	Et	CF3
5-946	3-bromphenyl	H	H	F	CN	H	H	Br	F	nonaflo-2-butyl	Me	CF3
5-947	4-bromphenyl	H	H	F	CN	H	H	Br	F	nonaflo-2-butyl	Et	CF3
5-953	(4-triflometyl)phenyl	Et	i-Pr	F	CN	H	H	Br	Cl	nonaflo-2-butyl	Me	CF3
5-954	2-nitrophenyl	H	H	F	CN	H	H	Br	Cl	nonaflo-2-butyl	Et	CF3
5-960	4-xyanophenyl	H	H	F	CN	H	H	I	Br	heptafloisopropyl	Me	CF3
5-961	2,6-diflophenyl	H	H	F	CN	H	H	I	Br	heptafloisopropyl	Et	CF3
5-967	2-brom-4-clophenyl	n-Pr	Me	F	CN	H	H	I	I	heptafloisopropyl	Me	CF3
5-968	2-brom-4-flophenyl	H	H	F	CN	H	H	I	I	heptafloisopropyl	Et	CF3
5-974	2-flopyridin-3-yl	H	H	F	CN	H	H	I	Me	heptafloisopropyl	F	C2F5

Bảng 5(4)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
5-975	2-clopyriđin-3-yl	H	H	F	CN	H	H	I	Me	nonaflo-2-butyl	Cl	CF3
5-978	2-(triflometyl) pyriđin-3-yl	H	H	F	CN	H	H	I	Et	nonaflo-2-butyl	F	CF3
5-979	2-nitropyriđin-3-yl	H	H	F	CN	H	H	I	Et	nonaflo-2-butyl	Cl	CF3
5-982	6-clopyriđin-3-yl	H	H	F	CN	H	H	I	n-Pr	nonaflo-2-butyl	F	CF3
5-983	6-brompyriđin-3-yl	H	H	F	CN	H	H	I	n-Pr	nonaflo-2-butyl	Cl	CF3
5-986	6-nitropyriđin-3-yl	H	H	F	CN	H	H	I	i-Pr	nonaflo-2-butyl	F	i-C3F7
5-987	6-xyanopyriđin-3-yl	H	H	F	CN	H	H	I	i-Pr	nonaflo-2-butyl	Cl	CF3
5-990	5-brompyriđin-3-yl	H	H	F	CN	H	H	I	n-Bu	nonaflo-2-butyl	F	CF3
5-991	5-iođopyriđin-3-yl	H	H	F	CN	H	H	I	n-Bu	nonaflo-2-butyl	Cl	CF3
5-994	5-xyanopyriđin-3-yl	H	H	F	CN	H	H	I	i-Bu	nonaflo-2-butyl	F	CF3
5-995	4-flopyriđin-3-yl	H	H	F	CN	H	H	I	i-Bu	nonaflo-2-butyl	Cl	CF3
5-998	4-iođopyriđin-3-yl	i-Pr	n-Pr	F	CN	H	H	I	s-Bu	nonaflo-2-butyl	F	CF3
5-999	4- (triflometyl) pyriđin-3-yl	H	H	F	CN	H	H	I	s-Bu	nonaflo-2-butyl	Cl	CF3
5-1010	3-bromphenyl	H	Et	F	CN	H	H	OCF3	F	heptafloisopropyl	F	OCF3
5-1040	2-iođopyriđin-3-yl	H	H	F	CN	H	H	OCF3	Me	nonaflo-2-butyl	Me	OCF3
5-1153	3-bromphenyl	H	Et	F	CN	H	H	OCF3	F	heptafloisopropyl	F	CF3
5-1183	2-iođopyriđin-3-yl	H	H	F	CN	H	H	OCF3	Me	nonaflo-2-butyl	Me	CF3
5-1296	3-bromphenyl	H	Et	F	CN	H	H	CF3	F	heptafloisopropyl	F	CF3
5-1326	2-iođopyriđin-3-yl	H	H	F	CN	H	H	CF3	Me	nonaflo-2-butyl	Me	CF3
5-1439	3-bromphenyl	H	Et	F	CN	F	H	Cl	F	heptafloisopropyl	F	OCF3
5-1469	2-iođopyriđin-3-yl	H	H	F	CN	F	H	Cl	Me	nonaflo-2-butyl	Me	OCF3
5-1576	3-flophenyl	H	Me	F	CN	F	H	Cl	Cl	heptafloisopropyl	H	CF3
5-1583	4-bromphenyl	H	H	F	CN	F	H	Cl	F	heptafloisopropyl	Cl	CF3
5-1591	3-nitrophenyl	H	H	F	CN	F	H	Cl	Br	heptafloisopropyl	Cl	CF3
5-1598	2,4-điclophenyl	H	H	F	CN	F	H	Cl	Me	nonaflo-2-butyl	H	CF3
5-1599	2-clo-4-flophenyl	H	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	Me	CF3
5-1600	2-clo-4,5-điflophenyl	i-Pr	H	F	CN	F	H	Cl	Et	nonaflo-2-butyl	H	CF3
5-1601	4-brom-2-clophenyl	H	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	Et	CF3
5-1612	2-iođopyriđin-3-yl	H	H	F	CN	F	H	Cl	Me	nonaflo-2-butyl	Me	n-C3F7
5-1613	2-(triflometyl) pyriđin-3-yl	H	H	F	CN	F	H	Cl	Me	nonaflo-2-butyl	Et	i-C3F7
5-1619	6-iođopyriđin-3-yl	H	H	F	CN	F	H	Cl	Et	nonaflo-2-butyl	Me	n-C3F7
5-1620	6-(triflometyl) pyriđin-3-yl	H	H	F	CN	F	H	Cl	Et	nonaflo-2-butyl	Et	i-C3F7

5-1626	5-brompyriđin-3-yl	H	H	F	CN	F	H	Br	n-Pr	heptafloisopropyl	Me	CF3
5-1627	5-iodopyriđin-3-yl	H	H	F	CN	F	H	Br	n-Pr	heptafloisopropyl	Et	CF3
5-1633	4-brompyriđin-3-yl	Me	n-Pr	F	CN	F	H	Br	i-Pr	heptafloisopropyl	Me	CF3
5-1634	4-iodopyriđin-3-yl	H	H	F	CN	F	H	Br	i-Pr	heptafloisopropyl	Et	CF3
5-1640	pyriđin-4-yl	H	H	F	CN	F	H	Br	n-Bu	heptafloisopropyl	Me	CF3
5-1641	2-clopyriđin-4-yl	H	H	F	CN	F	H	Br	n-Bu	heptafloisopropyl	Et	CF3
5-1647	pyriđin-2-yl	H	H	F	CN	F	H	Br	i-Bu	nonaflo-2-butyl	Me	CF3
5-1648	3-clopyriđin-2-yl	H	H	F	CN	F	H	Br	i-Bu	nonaflo-2-butyl	Et	CF3
5-1654	2-flophenyl	H	H	F	CN	F	H	Br	s-Bu	nonaflo-2-butyl	Me	CF3
5-1655	3-flophenyl	H	H	F	CN	F	H	Br	s-Bu	nonaflo-2-butyl	Et	CF3
5-1661	3-bromphenyl	H	H	F	CN	F	H	Br	F	nonaflo-2-butyl	Me	CF3
5-1662	4-bromphenyl	H	H	F	CN	F	H	Br	F	nonaflo-2-butyl	Et	CF3
5-1668	(4-triflometyl) phenyl	Et	i-Pr	F	CN	F	H	Br	Cl	nonaflo-2-butyl	Me	CF3
5-1669	2-nitrophenyl	H	H	F	CN	F	H	Br	Cl	nonaflo-2-butyl	Et	CF3
5-1675	4-xyanophenyl	H	H	F	CN	F	H	I	Br	heptafloisopropyl	Me	CF3
5-1676	2,6-diflophenyl	H	H	F	CN	F	H	I	Br	heptafloisopropyl	Et	CF3
5-1682	2-brom-4-clophenyl	n-Pr	Me	F	CN	F	H	I	I	heptafloisopropyl	Me	CF3
5-1683	2-brom-4-flophenyl	H	H	F	CN	F	H	I	I	heptafloisopropyl	Et	CF3
5-1689	2-flopyriđin-3-yl	H	H	F	CN	F	H	I	Me	heptafloisopropyl	F	C2F5
5-1690	2-clopyriđin-3-yl	H	H	F	CN	F	H	I	Me	nonaflo-2-butyl	Cl	CF3
5-1693	2-(triflometyl) pyriđin-3-yl	H	H	F	CN	F	H	I	Et	nonaflo-2-butyl	F	CF3
5-1694	2-nitropyriđin-3-yl	H	H	F	CN	F	H	I	Et	nonaflo-2-butyl	Cl	CF3
5-1697	6-clopyriđin-3-yl	H	H	F	CN	F	H	I	n-Pr	nonaflo-2-butyl	F	CF3
5-1698	6-brompyriđin-3-yl	H	H	F	CN	F	H	I	n-Pr	nonaflo-2-butyl	Cl	CF3
5-1701	6-nitropyriđin-3-yl	H	H	F	CN	F	H	I	i-Pr	nonaflo-2-butyl	F	i-C3F7
5-1702	6-xyanopyriđin-3-yl	H	H	F	CN	F	H	I	i-Pr	nonaflo-2-butyl	Cl	CF3
5-1705	5-brompyriđin-3-yl	H	H	F	CN	F	H	I	n-Bu	nonaflo-2-butyl	F	CF3
5-1706	5-iodopyriđin-3-yl	H	H	F	CN	F	H	I	n-Bu	nonaflo-2-butyl	Cl	CF3
5-1709	5-xyanopyriđin-3-yl	H	H	F	CN	F	H	I	i-Bu	nonaflo-2-butyl	F	CF3
5-1710	4-flopyriđin-3-yl	H	H	F	CN	F	H	I	i-Bu	nonaflo-2-butyl	Cl	CF3
5-1713	4-iodopyriđin-3-yl	i-Pr	n-Pr	F	CN	F	H	I	s-Bu	nonaflo-2-butyl	F	CF3
5-1714	4-(triflometyl) pyriđin-3-yl	H	H	F	CN	F	H	I	s-Bu	nonaflo-2-butyl	Cl	CF3
5-1725	3-bromphenyl	H	Et	F	CN	F	H	OCF3	F	heptafloisopropyl	F	OCF3
5-1755	2-iodopyriđin-3-yl	H	H	F	CN	F	H	OCF3	Me	nonaflo-2-butyl	Me	OCF3

5-1868	3-bromphenyl	H	Et	F	CN	F	H	OCF3	F	heptafloisopropyl	F	CF3
5-1898	2-iodopyridin-3-yl	H	H	F	CN	F	H	OCF3	Me	nonaflo-2-butyl	Me	CF3
5-2011	3-bromphenyl	H	Et	F	CN	F	H	CF3	F	heptafloisopropyl	F	CF3
5-2041	2-iodopyridin-3-yl	H	H	F	CN	F	H	CF3	Me	nonaflo-2-butyl	Me	CF3



Bảng 6(1)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
6-1	phenyl	H	H	H	H	H	H	F	H	nonaflo-2-butyl	H	F
6-2	3-xyanophenyl	H	H	H	H	H	H	F	H	nonaflo-2-butyl	H	F
6-3	4-xyanophenyl	H	H	H	H	H	H	F	H	nonaflo-2-butyl	H	F
6-4	2-clopyriđin-3-yl	H	H	H	H	H	H	F	H	nonaflo-2-butyl	H	F
6-5	phenyl	H	H	H	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
6-12	3-xyanophenyl	H	H	H	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
6-13	4-xyanophenyl	H	H	H	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
6-24	2-clopyriđin-3-yl	H	H	H	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
6-38	phenyl	H	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
6-39	2-flophenyl	H	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
6-45	3-xyanophenyl	H	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
6-46	4-xyanophenyl	H	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
6-47	2,6-điflophenyl	H	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
6-57	2-clopyriđin-3-yl	H	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
6-60	6-clopyriđin-3-yl	H	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
6-71	phenyl	H	H	H	H	H	H	I	H	nonaflo-2-butyl	H	I
6-72	2-flophenyl	H	H	H	H	H	H	I	H	nonaflo-2-butyl	H	I
6-78	3-xyanophenyl	H	H	H	H	H	H	I	H	nonaflo-2-butyl	H	I
6-79	4-xyanophenyl	H	H	H	H	H	H	I	H	nonaflo-2-butyl	H	I
6-80	2,6-điflophenyl	H	H	H	H	H	H	I	H	nonaflo-2-butyl	H	I
6-90	2-clopyriđin-3-yl	H	H	H	H	H	H	I	H	nonaflo-2-butyl	H	I
6-93	6-clopyriđin-3-yl	H	H	H	H	H	H	I	H	nonaflo-2-butyl	H	I
6-104	phenyl	H	H	H	H	H	H	F	H	nonaflo-2-butyl	H	Cl
6-105	phenyl	H	H	H	H	H	H	F	H	nonaflo-2-butyl	H	Br
6-106	phenyl	H	H	H	H	H	H	F	H	nonaflo-2-butyl	H	I
6-107	phenyl	H	H	H	H	H	H	Cl	H	nonaflo-2-butyl	H	Br
6-108	phenyl	H	H	H	H	H	H	Cl	H	nonaflo-2-butyl	H	I
6-109	phenyl	H	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	I
6-110	phenyl	H	H	H	H	H	H	F	H	heptafloisopropyl	H	CF3
6-111	phenyl	H	H	H	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-131	3-xyanophenyl	H	H	H	H	H	H	Cl	H	heptafloisopropyl	H	CF3

6-132	4-xyanophenyl	H	H	H	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-147	2-clopyriđin-3-yl	H	H	H	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-189	phenyl	H	H	H	H	H	H	F	H	nonaflo-2-butyl	H	CF3
6-190	phenyl	H	H	H	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-210	3-xyanophenyl	H	H	H	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-211	4-xyanophenyl	H	H	H	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-226	2-clopyriđin-3-yl	H	H	H	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-268	phenyl	H	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-269	2-flophenyl	H	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-270	3-flophenyl	H	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-271	4-flophenyl	H	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-272	2-clophenyl	H	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-288	3-xyanophenyl	H	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-289	4-xyanophenyl	H	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-290	2,6-diflophenyl	H	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-293	2-clo-4-flophenyl	H	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-300	4-xyano-2-flophenyl	H	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-304	2-clopyriđin-3-yl	H	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-305	2-brompyriđin-3-yl	H	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-306	2-iođopyriđin-3-yl	H	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-311	6-clopyriđin-3-yl	H	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-346	phenyl	H	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-347	2-flophenyl	H	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-348	3-flophenyl	H	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3

Bảng 6(2)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
6-349	4-flophenyl	H	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-366	3-xyanophenyl	H	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-367	4-xyanophenyl	H	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-368	2,6-điflophenyl	H	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-382	2-clopyriđin-3-yl	H	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-389	6-clopyriđin-3-yl	H	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-424	phenyl	H	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
6-425	2-flophenyl	H	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
6-426	3-flophenyl	H	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
6-427	4-flophenyl	H	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
6-428	2-clophenyl	H	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
6-444	3-xyanophenyl	H	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
6-445	4-xyanophenyl	H	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
6-446	2,6-điflophenyl	H	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
6-448	2,4-điclophenyl	H	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
6-449	2-clo-4-flophenyl	H	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
6-450	2-clo-4,5-điflophenyl	H	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
6-451	4-brom-2- clophenyl	H	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
6-452	2-brom-4- clophenyl	H	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
6-453	2-brom-4-flophenyl	H	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
6-454	2-clo-4-nitrophenyl	H	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
6-460	2-clopyriđin-3-yl	H	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
6-461	2-brompyriđin-3-yl	H	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
6-467	6-clopyriđin-3-yl	H	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
6-502	phenyl	H	H	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-503	2-flophenyl	H	H	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-504	3-flophenyl	H	H	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-505	4-flophenyl	H	H	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-522	3-xyanophenyl	H	H	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-523	4-xyanophenyl	H	H	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-524	2,6-điflophenyl	H	H	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-538	2-clopyriđin-3-yl	H	H	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-545	6-clopyriđin-3-yl	H	H	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-580	phenyl	H	H	H	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
6-595	3-xyanophenyl	H	H	H	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
6-596	4-xyanophenyl	H	H	H	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
6-611	2-clopyriđin-3-yl	H	H	H	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
6-636	phenyl	H	H	H	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
6-651	3-xyanophenyl	H	H	H	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3

6-652	4-xyanophenyl	H	H	H	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
6-667	2-clopyriđin-3-yl	H	H	H	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
6-692	phenyl	H	H	H	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
6-707	3-xyanophenyl	H	H	H	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
6-708	4-xyanophenyl	H	H	H	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
6-723	2-clopyriđin-3-yl	H	H	H	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
6-748	phenyl	H	H	H	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
6-763	3-xyanophenyl	H	H	H	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
6-764	4-xyanophenyl	H	H	H	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
6-779	2-clopyriđin-3-yl	H	H	H	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
6-804	phenyl	H	H	H	H	H	H	CF3	H	heptafloisopropyl	H	CF3
6-824	3-xyanophenyl	H	H	H	H	H	H	CF3	H	heptafloisopropyl	H	CF3
6-825	4-xyanophenyl	H	H	H	H	H	H	CF3	H	heptafloisopropyl	H	CF3
6-840	2-clopyriđin-3-yl	H	H	H	H	H	H	CF3	H	heptafloisopropyl	H	CF3
6-841	2-brompyriđin-3-yl	H	H	H	H	H	H	CF3	H	heptafloisopropyl	H	CF3
6-872	phenyl	H	H	H	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
6-892	3-xyanophenyl	H	H	H	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
6-893	4-xyanophenyl	H	H	H	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
6-908	2-clopyriđin-3-yl	H	H	H	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
6-940	phenyl	H	H	F	H	H	H	F	H	heptafloisopropyl	H	F
6-941	3-xyanophenyl	H	H	F	H	H	H	F	H	heptafloisopropyl	H	F
6-942	4-xyanophenyl	H	H	F	H	H	H	F	H	heptafloisopropyl	H	F
6-943	2-clopyriđin-3-yl	H	H	F	H	H	H	F	H	heptafloisopropyl	H	F
6-944	phenyl	H	H	F	H	H	H	F	H	nonaflo-2-butyl	H	F
6-945	3-xyanophenyl	H	H	F	H	H	H	F	H	nonaflo-2-butyl	H	F

Bảng 6(3)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
6-946	4-xyanophenyl	H	H	F	H	H	H	F	H	nonaflo-2-butyl	H	F
6-947	2-clopyriđin-3-yl	H	H	F	H	H	H	F	H	nonaflo-2-butyl	H	F
6-948	phenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	Cl
6-952	2-clophenyl	H	H	F	H	H	H	F	H	heptafloisopropyl	H	Cl
6-956	3-bromphenyl	H	H	F	H	H	H	F	H	heptafloisopropyl	H	Br
6-961	(2-triflometyl)phenyl	H	H	F	H	H	H	F	H	heptafloisopropyl	H	I
6-964	2-nitrophenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	Br
6-968	3-xyanophenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	Cl
6-969	4-xyanophenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	Cl
6-970	2,6-điflophenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	I
6-982	pyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	I
6-984	2-clopyriđin-3-yl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	Cl
6-1026	phenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
6-1046	3-xyanophenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
6-1047	4-xyanophenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
6-1062	2-clopyriđin-3-yl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
6-1104	phenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	Br
6-1105	2-flophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	Br
6-1106	3-flophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	Br
6-1107	4-flophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	Br
6-1124	3-xyanophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	Br
6-1125	4-xyanophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	Br
6-1126	2,6-điflophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	Br
6-1140	2-clopyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	Br
6-1147	6-clopyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	Br
6-1182	phenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
6-1183	2-flophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
6-1184	3-flophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
6-1185	4-flophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
6-1202	3-xyanophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
6-1203	4-xyanophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
6-1204	2,6-điflophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
6-1218	2-clopyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
6-1225	6-clopyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
6-1260	phenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	I
6-1261	2-flophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	I
6-1262	3-flophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	I
6-1263	4-flophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	I
6-1280	3-xyanophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	I

6-1281	4-xyanophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	I
6-1282	2,6-diflophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	I
6-1296	2-clopyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	I
6-1303	6-clopyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	I
6-1338	phenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	I
6-1339	2-flophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	I
6-1340	3-flophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	I
6-1341	4-flophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	I
6-1358	3-xyanophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	I
6-1359	4-xyanophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	I
6-1360	2,6-diflophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	I
6-1374	2-clopyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	I
6-1381	6-clopyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	I
6-1416	phenyl	H	H	F	H	H	H	F	H	heptafloisopropyl	H	CF3
6-1417	phenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1418	2-flophenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1422	3-clophenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1426	4-bromphenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1427	2-iođophenyl	H	H	F	H	H	H	Cl	H	pentafloetyl	H	CF3
6-1431	(3-triflometyl)phenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1435	4-nitrophenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1436	2-xyanophenyl	H	H	F	H	H	H	Cl	H	pentafloetyl	H	C2F5
6-1437	3-xyanophenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1438	4-xyanophenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1439	2,6-diflophenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3

Bảng 6(4)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
6-1440	3,4-điclophenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1441	2,4-diclophenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	C2F5
6-1442	2-clo-4-flophenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1445	2-brom-4-clophenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
6-1446	2-brom-4-flophenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1447	2-clo-4-nitrophenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1448	3,5-đixyanophenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1449	4-xyano-2-flophenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1451	pyriđin-3-yl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1452	2-flopyriđin-3-yl	H	H	F	H	H	H	Cl	H	pentafloetyl	H	CF3
6-1453	2-clopyriđin-3-yl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1456	2-(triflometyl)pyriđin-3-yl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1457	2-nitropyriđin-3-yl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
6-1460	6-clopyriđin-3-yl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	i-C3F7
6-1467	5-clopyriđin-3-yl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1474	4-clopyriđin-3-yl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1480	2,6-điclopyriđin-3-yl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1481	pyriđin-3-yl N-oxit	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1482	pyriđin-4-yl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1483	2-clopyriđin-4-yl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1485	3,5-điclopyriđin-4-yl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1488	pyriđin-4-yl N-oxit	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1489	pyriđin-2-yl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1490	3-clopyriđin-2-yl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1493	6-clopyriđin-2-yl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
6-1495	phenyl	H	H	F	H	H	H	F	H	nonaflo-2-butyl	H	CF3
6-1496	phenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1498	3-flophenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1502	4-clophenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1503	2-bromphenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1507	3-iođophenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1511	(4-triflometyl)phenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1512	2-nitrophenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1516	3-xyanophenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1517	4-xyanophenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1518	2,6-điflophenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1520	2,4-diclophenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1521	2-clo-4-flophenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1524	2-brom-4-clophenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3

6-1525	2-brom-4-flophenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1526	2-clo-4-nitrophenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
6-1528	4-xyano-2-flophenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1529	2-clo-4-xyanophenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1530	pyriđin-3-yl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1532	2-clopyriđin-3-yl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1539	6-clopyriđin-3-yl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1545	5-flopyriđin-3-yl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
6-1552	4-flopyriđin-3-yl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
6-1559	2,6-điclopyriđin-3-yl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1560	pyriđin-3-yl N-oxit	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1561	pyriđin-4-yl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1562	2-clopyriđin-4-yl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1567	pyriđin-4-yl N-oxit	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1568	pyriđin-2-yl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1569	3-clopyriđin-2-yl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1572	6-clopyriđin-2-yl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-1574	phenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1575	2-flophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1576	3-flophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1577	4-flophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1578	2-clophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1579	3-clophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1580	4-clophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1581	2-bromphenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3

Bảng 6(5)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
6-1582	3-bromphenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1583	4-bromphenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1584	2-iođophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1585	3-iođophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1586	4-iođophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1587	(2-triflometyl)phenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1588	(3-triflometyl)phenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1589	(4-triflometyl)phenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1590	2-nitrophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1591	3-nitrophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1592	4-nitrophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1593	2-xyanophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1594	3-xyanophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1595	4-xyanophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1596	2,6-điflophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1597	3,4-điclophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1598	2,4-điclophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1599	2-clo-4-flophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1600	2-clo-4,5-điflophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1601	4-brom-2-clophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1602	2-brom-4-clophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1603	2-brom-4-flophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1604	2-clo-4-nitrophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1605	3,5-đixyanophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1606	4-xyano-2-flophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1607	2-clo-4-xyanophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1608	pyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1609	2-flopyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1610	2-clopyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1611	2-brompyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1612	2-iođopyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1613	2-(triflometyl)pyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1614	2-nitropyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1615	2-xyanopyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1616	6-flopyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1617	6-clopyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1618	6-brompyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1619	6-iođopyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1620	6-(triflometyl)pyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1621	6-nitropyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3

6-1622	6-xyanopyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1623	5-flopyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1624	5-clopyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1625	5-brompyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1626	5-iođopyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1627	5-(triflometyl)pyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1628	5-nitropyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1629	5-xyanopyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1630	4-flopyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1631	4-clopyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1632	4-brompyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1633	4-iođopyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1634	4-(triflometyl)pyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1635	4-nitropyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1636	4-xyanopyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1637	2,6-điclopyriđin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1638	pyriđin-3-yl N-oxit	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1639	pyriđin-4-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1640	2-clopyriđin-4-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1641	3-brompyriđin-4-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1642	3,5-điclopyriđin-4-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1643	3-(triflometyl)pyriđin-4-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1644	2,6-đixyanopyriđin-4-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1645	pyriđin-4-yl N-oxit	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1646	pyriđin-2-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3

Bảng 6(6)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
6-1647	3-clopyriđin-2-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1648	4-brompyridin-2-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1649	5-iođopyriđin-2-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1650	6-clopyriđin-2-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1651	4-xyanopyriđin-2-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
6-1652	phenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1653	2-flophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1654	3-flophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1655	4-flophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1656	2-clophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1657	3-clophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1658	4-clophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1659	2-bromphenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1660	3-bromphenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1661	4-bromphenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1662	2-iođophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1663	3-iođophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1664	4-iođophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1665	(2-triflometyl)phenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1666	(3-triflometyl)phenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1667	(4-triflometyl)phenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1668	2-nitrophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1669	3-nitrophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1670	4-nitrophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1671	2-xyanophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1672	3-xyanophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1673	4-xyanophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1674	2,6-điflophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1675	3,4-điclophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1676	2,4-điclophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1677	2-clo-4-flophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1678	2-clo-4,5-điflophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1679	4-brom-2-clophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1680	2-brom-4-clophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1681	2-brom-4-flophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1682	2-clo-4-nitrophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1683	3,5-đixyanophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1684	4-xyano-2-flophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1685	2-clo-4-xyanophenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3

6-1686	pyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1687	2-flopyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1688	2-clopyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1689	2-brompyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1690	2-iođopyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1691	2-(triflometyl)pyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1692	2-nitropyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1693	2-xyanopyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1694	6-flopyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1695	6-clopyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1696	6-brompyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1697	6-iođopyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1698	6-(triflometyl)pyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1699	6-nitropyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1700	6-xyanopyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1701	5-flopyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1702	5-clopyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1703	5-brompyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1704	5-iođopyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1705	5-(triflometyl)pyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1706	5-nitropyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1707	5-xyanopyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1708	4-flopyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1709	4-clopyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3

Bảng 6(7)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
6-1710	4-brompyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1711	4-iođopyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1712	4-(triflometyl)pyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1713	4-nitropyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1714	4-xyanopyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1715	2,6-điclopyriđin-3-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1716	pyriđin-3-yl N-oxit	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1717	pyriđin-4-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1718	2-clopyriđin-4-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1719	3-brompyriđin-4-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1720	3,5-điclopyriđin-4-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1721	3-(triflometyl)pyriđin-4-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1722	2,6-đixyanopyriđin-4-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1723	pyriđin-4-yl N-oxit	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1724	pyriđin-2-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1725	3-clopyriđin-2-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1726	4-brompyriđin-2-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1727	5-iođopyriđin-2-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1728	6-clopyriđin-2-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1729	4-xyanopyriđin-2-yl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-1730	phenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1731	2-flophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1732	3-flophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1733	4-flophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1734	2-clophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1735	3-clophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1736	4-clophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1737	2-bromphenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1738	3-bromphenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1739	4-bromphenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1740	2-iođophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1741	3-iođophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1742	4-iođophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1743	(2-triflometyl)phenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1744	(3-triflometyl)phenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1745	(4-triflometyl)phenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1746	2-nitrophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1747	3-nitrophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1748	4-nitrophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3

6-1749	2-xyanophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1750	3-xyanophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1751	4-xyanophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1752	2,6-điflophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1753	3,4-điclophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1754	2,4-điclophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1755	2-clo-4-flophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1756	2-clo-4,5-điflophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1757	4-brom-2-clophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1758	2-brom-4-clophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1759	2-brom-4-flophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1760	2-clo-4-nitrophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1761	3,5-đixyanophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1762	4-xyano-2-flophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1763	2-clo-4- xyanophenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1764	pyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1765	2-flopyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1766	2-clopyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1767	2-brompyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1768	2-iođopyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1769	2-(triflometyl)pyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1770	2-nitropyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1771	2-xyanopyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1772	6-flopyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1773	6-clopyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1774	6-brompyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3

Bảng 6(8)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
6-1775	6-iođopyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1776	6-(triflometyl)pyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1777	6-nitropyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1778	6-xyanopyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1779	5-flopyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1780	5-clopyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1781	5-brompyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1782	5-iođopyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1783	5-(triflometyl)pyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1784	5-nitropyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1785	5-xyanopyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1786	4-flopyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1787	4-clopyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1788	4-brompyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1789	4-iođopyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1790	4-(triflometyl)pyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1791	4-nitropyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1792	4-xyanopyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1793	2,6-điclopyriđin-3-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1794	pyriđin-3-yl N-oxit	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1795	pyriđin-4-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1796	2-clopyriđin-4-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1797	3-brompyriđin-4-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1798	3,5-điclopyriđin-4-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1799	3-(triflometyl)pyriđin-4-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1800	2,6-đixyanopyriđin-4-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1801	pyriđin-4-yl N-oxit	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1802	pyriđin-2-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1803	3-clopyriđin-2-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1804	4-brompyriđin-2-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1805	5-iođopyriđin-2-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1806	6-clopyriđin-2-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1807	4-xyanopyriđin-2-yl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
6-1808	phenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1809	2-flophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1810	3-flophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1811	4-flophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1812	2-clophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1813	3-clophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

6-1814	4-clophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1815	2-bromphenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1816	3-bromphenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1817	4-bromphenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1818	2-iođophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1819	3-iođophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1820	4-iođophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1821	(2-triflometyl)phenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1822	(3-triflometyl)phenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1823	(4-triflometyl)phenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1824	2-nitrophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1825	3-nitrophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1826	4-nitrophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1827	2-xyanophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1828	3-xyanophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1829	4-xyanophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1830	2,6-điflophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1831	3,4-điclophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1832	2,4-điclophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1833	2-clo-4-flophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1834	2-clo-4,5-điflophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1835	4-brom-2-clophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1836	2-brom-4-clophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1837	2-brom-4-flophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1838	2-clo-4-nitrophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 6(9)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
6-1839	3,5-đixyanophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1840	4-xyano-2-flophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1841	2-clo-4-xyanophenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1842	pyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1843	2-flopyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1844	2-clopyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1845	2-brompyridin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1846	2-iođopyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1847	2-(triflometyl)pyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1848	2-nitropyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1849	2-xyanopyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1850	6-flopyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1851	6-clopyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1852	6-brompyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1853	6-iođopyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1854	6-(triflometyl)pyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1855	6-nitropyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1856	6-xyanopyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1857	5-flopyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1858	5-clopyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1859	5-brompyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1860	5-iođopyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1861	5-(triflometyl)pyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1862	5-nitropyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1863	5-xyanopyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1864	4-flopyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1865	4-clopyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1866	4-brompyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1867	4-iođopyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1868	4-(triflometyl)pyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1869	4-nitropyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1870	4-xyanopyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1871	2,6-điclopyriđin-3-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1872	pyriđin-3-yl N-oxit	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1873	pyriđin-4-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1874	2-clopyriđin-4-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1875	3-brompyriđin-4-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1876	3,5-điclopyriđin-4-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1877	3-(triflometyl)pyriđin-4-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

6-1878	2,6-dixyanopyriđin-4-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1879	pyriđin-4-yl N-oxit	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1880	pyriđin-2-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1881	3-clopyriđin-2-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1882	4-brompyriđin-2-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1883	5-iođopyriđin-2-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1884	6-clopyriđin-2-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1885	4-xyanopyriđin-2-yl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
6-1886	phenyl	H	H	F	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
6-1901	3-xyanophenyl	H	H	F	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
6-1902	4-xyanophenyl	H	H	F	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
6-1917	2-clopyriđin-3-yl	H	H	F	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
6-1942	phenyl	H	H	F	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
6-1957	3-xyanophenyl	H	H	F	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
6-1958	4-xyanophenyl	H	H	F	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
6-1973	2-clopyriđin-3-yl	H	H	F	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
6-1998	phenyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
6-2013	3-xyanophenyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
6-2014	4-xyanophenyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
6-2029	2-clopyriđin-3-yl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
6-2054	phenyl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
6-2069	3-xyanophenyl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
6-2070	4-xyanophenyl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
6-2085	2-clopyriđin-3-yl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
6-2110	phenyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3

Bảng 6 (10)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
6-2130	3-xyanophenyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
6-2131	4-xyanophenyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
6-2146	2-clopyriđin-3-yl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
6-2178	phenyl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
6-2198	3-xyanophenyl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
6-2199	4-xyanophenyl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
6-2214	2-clopyriđin-3-yl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
6-2246	phenyl	H	H	H	F	H	H	F	H	heptafloisopropyl	H	F
6-2247	3-xyanophenyl	H	H	H	F	H	H	F	H	heptafloisopropyl	H	F
6-2248	4-xyanophenyl	H	H	H	F	H	H	F	H	heptafloisopropyl	H	F
6-2249	2-clopyriđin-3-yl	H	H	H	F	H	H	F	H	heptafloisopropyl	H	F
6-2250	phenyl	H	H	H	F	H	H	F	H	nonaflo-2-butyl	H	F
6-2251	3-xyanophenyl	H	H	H	F	H	H	F	H	nonaflo-2-butyl	H	F
6-2252	4-xyanophenyl	H	H	H	F	H	H	F	H	nonaflo-2-butyl	H	F
6-2253	2-clopyriđin-3-yl	H	H	H	F	H	H	F	H	nonaflo-2-butyl	H	F
6-2254	phenyl	H	H	H	F	H	H	Cl	H	heptafloisopropyl	H	Cl
6-2274	3-xyanophenyl	H	H	H	F	H	H	Cl	H	heptafloisopropyl	H	Cl
6-2275	4-xyanophenyl	H	H	H	F	H	H	Cl	H	heptafloisopropyl	H	Cl
6-2290	2-clopyriđin-3-yl	H	H	H	F	H	H	Cl	H	heptafloisopropyl	H	Cl
6-2332	phenyl	H	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
6-2352	3-xyanophenyl	H	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
6-2353	4-xyanophenyl	H	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
6-2368	2-clopyriđin-3-yl	H	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
6-2410	phenyl	H	H	H	F	H	H	Br	H	heptafloisopropyl	H	Br
6-2430	3-xyanophenyl	H	H	H	F	H	H	Br	H	heptafloisopropyl	H	Br
6-2431	4-xyanophenyl	H	H	H	F	H	H	Br	H	heptafloisopropyl	H	Br
6-2446	2-clopyriđin-3-yl	H	H	H	F	H	H	Br	H	heptafloisopropyl	H	Br
6-2488	phenyl	H	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	Br
6-2508	3-xyanophenyl	H	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	Br
6-2509	4-xyanophenyl	H	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	Br
6-2524	2-clopyriđin-3-yl	H	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	Br
6-2566	phenyl	H	H	H	F	H	H	I	H	heptafloisopropyl	H	I
6-2586	3-xyanophenyl	H	H	H	F	H	H	I	H	heptafloisopropyl	H	I
6-2587	4-xyanophenyl	H	H	H	F	H	H	I	H	heptafloisopropyl	H	I

6-2602	2-clopyriđin-3-yl	H	H	H	F	H	H	I	H	heptafloisopropyl	H	I
6-2644	phenyl	H	H	H	F	H	H	I	H	nonaflo-2-butyl	H	I
6-2664	3-xyanophenyl	H	H	H	F	H	H	I	H	nonaflo-2-butyl	H	I
6-2665	4-xyanophenyl	H	H	H	F	H	H	I	H	nonaflo-2-butyl	H	I
6-2680	2-clopyriđin-3-yl	H	H	H	F	H	H	I	H	nonaflo-2-butyl	H	I
6-2722	phenyl	H	H	H	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
6-2742	3-xyanophenyl	H	H	H	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
6-2743	4-xyanophenyl	H	H	H	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
6-2758	2-clopyriđin-3-yl	H	H	H	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
6-2800	phenyl	H	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
6-2820	3-xyanophenyl	H	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
6-2821	4-xyanophenyl	H	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
6-2836	2-clopyriđin-3-yl	H	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
6-2878	phenyl	H	H	H	F	H	H	Br	H	heptafloisopropyl	H	OCF3
6-2898	3-xyanophenyl	H	H	H	F	H	H	Br	H	heptafloisopropyl	H	OCF3
6-2899	4-xyanophenyl	H	H	H	F	H	H	Br	H	heptafloisopropyl	H	OCF3
6-2914	2-clopyriđin-3-yl	H	H	H	F	H	H	Br	H	heptafloisopropyl	H	OCF3
6-2956	phenyl	H	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
6-2976	3-xyanophenyl	H	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
6-2977	4-xyanophenyl	H	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
6-2992	2-clopyriđin-3-yl	H	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
6-3034	phenyl	H	H	H	F	H	H	I	H	heptafloisopropyl	H	OCF3
6-3054	3-xyanophenyl	H	H	H	F	H	H	I	H	heptafloisopropyl	H	OCF3
6-3055	4-xyanophenyl	H	H	H	F	H	H	I	H	heptafloisopropyl	H	OCF3
6-3070	2-clopyriđin-3-yl	H	H	H	F	H	H	I	H	heptafloisopropyl	H	OCF3
6-3112	phenyl	H	H	H	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
6-3132	3-xyanophenyl	H	H	H	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
6-3133	4-xyanophenyl	H	H	H	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
6-3148	2-clopyriđin-3-yl	H	H	H	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
6-3190	phenyl	H	H	H	F	H	H	F	H	heptafloisopropyl	H	CF3

Bảng 6 (11)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
6-3191	phenyl	H	H	H	F	H	H	Cl	H	heptafloisopropyl	H	CF3
6-3211	3-xyanophenyl	H	H	H	F	H	H	Cl	H	heptafloisopropyl	H	CF3
6-3212	4-xyanophenyl	H	H	H	F	H	H	Cl	H	heptafloisopropyl	H	CF3
6-3227	2-clopyriđin-3-yl	H	H	H	F	H	H	Cl	H	heptafloisopropyl	H	CF3
6-3269	phenyl	H	H	H	F	H	H	F	H	nonaflo-2-butyl	H	CF3
6-3270	phenyl	H	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-3290	3-xyanophenyl	H	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-3291	4-xyanophenyl	H	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-3306	2-clopyriđin-3-yl	H	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-3348	phenyl	H	H	H	F	H	H	Br	H	heptafloisopropyl	H	CF3
6-3368	3-xyanophenyl	H	H	H	F	H	H	Br	H	heptafloisopropyl	H	CF3
6-3369	4-xyanophenyl	H	H	H	F	H	H	Br	H	heptafloisopropyl	H	CF3
6-3384	2-clopyriđin-3-yl	H	H	H	F	H	H	Br	H	heptafloisopropyl	H	CF3
6-3426	phenyl	H	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-3446	3-xyanophenyl	H	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-3447	4-xyanophenyl	H	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-3462	2-clopyriđin-3-yl	H	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-3504	phenyl	H	H	H	F	H	H	I	H	heptafloisopropyl	H	CF3
6-3524	3-xyanophenyl	H	H	H	F	H	H	I	H	heptafloisopropyl	H	CF3
6-3525	4-xyanophenyl	H	H	H	F	H	H	I	H	heptafloisopropyl	H	CF3
6-3540	2-clopyriđin-3-yl	H	H	H	F	H	H	I	H	heptafloisopropyl	H	CF3
6-3582	phenyl	H	H	H	F	H	H	I	H	nonaflo-2-butyl	H	CF3
6-3602	3-xyanophenyl	H	H	H	F	H	H	I	H	nonaflo-2-butyl	H	CF3
6-3603	4-xyanophenyl	H	H	H	F	H	H	I	H	nonaflo-2-butyl	H	CF3
6-3618	2-clopyriđin-3-yl	H	H	H	F	H	H	I	H	nonaflo-2-butyl	H	CF3
6-3660	phenyl	H	H	H	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
6-3675	3-xyanophenyl	H	H	H	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
6-3676	4-xyanophenyl	H	H	H	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
6-3691	2-clopyriđin-3-yl	H	H	H	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
6-3716	phenyl	H	H	H	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
6-3731	3-xyanophenyl	H	H	H	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
6-3732	4-xyanophenyl	H	H	H	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
6-3747	2-clopyriđin-3-yl	H	H	H	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
6-3772	phenyl	H	H	H	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
6-3787	3-xyanophenyl	H	H	H	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
6-3788	4-xyanophenyl	H	H	H	F	H	H	CF3	H	heptafloisopropyl	H	OCF3

6-3803	2-clopyridin-3-yl	H	H	H	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
6-3828	phenyl	H	H	H	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
6-3843	3-xyanophenyl	H	H	H	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
6-3844	4-xyanophenyl	H	H	H	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
6-3859	2-clopyridin-3-yl	H	H	H	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
6-3884	phenyl	H	H	H	F	H	H	CF3	H	heptafloisopropyl	H	CF3
6-3904	3-xyanophenyl	H	H	H	F	H	H	CF3	H	heptafloisopropyl	H	CF3
6-3905	4-xyanophenyl	H	H	H	F	H	H	CF3	H	heptafloisopropyl	H	CF3
6-3920	2-clopyridin-3-yl	H	H	H	F	H	H	CF3	H	heptafloisopropyl	H	CF3
6-3952	phenyl	H	H	H	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
6-3972	3-xyanophenyl	H	H	H	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
6-3973	4-xyanophenyl	H	H	H	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
6-3988	2-clopyridin-3-yl	H	H	H	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
6-4020	phenyl	H	H	F	F	H	H	F	H	heptafloisopropyl	H	F
6-4021	3-xyanophenyl	H	H	F	F	H	H	F	H	heptafloisopropyl	H	F
6-4022	4-xyanophenyl	H	H	F	F	H	H	F	H	heptafloisopropyl	H	F
6-4023	2-clopyridin-3-yl	H	H	F	F	H	H	F	H	heptafloisopropyl	H	F
6-4024	phenyl	H	H	F	F	H	H	F	H	nonaflo-2-butyl	H	F
6-4025	3-xyanophenyl	H	H	F	F	H	H	F	H	nonaflo-2-butyl	H	F
6-4026	4-xyanophenyl	H	H	F	F	H	H	F	H	nonaflo-2-butyl	H	F
6-4027	2-clopyridin-3-yl	H	H	F	F	H	H	F	H	nonaflo-2-butyl	H	F
6-4028	phenyl	H	H	F	F	H	H	Cl	H	heptafloisopropyl	H	Cl
6-4048	3-xyanophenyl	H	H	F	F	H	H	Cl	H	heptafloisopropyl	H	Cl
6-4049	4-xyanophenyl	H	H	F	F	H	H	Cl	H	heptafloisopropyl	H	Cl
6-4064	2-clopyridin-3-yl	H	H	F	F	H	H	Cl	H	heptafloisopropyl	H	Cl
6-4106	phenyl	H	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
6-4126	3-xyanophenyl	H	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
6-4127	4-xyanophenyl	H	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl

Bảng 6 (12)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
6-4142	2-clopyriđin-3-yl	H	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
6-4184	phenyl	H	H	F	F	H	H	Br	H	heptafloisopropyl	H	Br
6-4204	3-xyanophenyl	H	H	F	F	H	H	Br	H	heptafloisopropyl	H	Br
6-4205	4-xyanophenyl	H	H	F	F	H	H	Br	H	heptafloisopropyl	H	Br
6-4220	2-clopyriđin-3-yl	H	H	F	F	H	H	Br	H	heptafloisopropyl	H	Br
6-4262	phenyl	H	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	Br
6-4282	3-xyanophenyl	H	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	Br
6-4283	4-xyanophenyl	H	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	Br
6-4298	2-clopyriđin-3-yl	H	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	Br
6-4340	phenyl	H	H	F	F	H	H	I	H	heptafloisopropyl	H	I
6-4360	3-xyanophenyl	H	H	F	F	H	H	I	H	heptafloisopropyl	H	I
6-4361	4-xyanophenyl	H	H	F	F	H	H	I	H	heptafloisopropyl	H	I
6-4376	2-clopyriđin-3-yl	H	H	F	F	H	H	I	H	heptafloisopropyl	H	I
6-4418	phenyl	H	H	F	F	H	H	I	H	nonaflo-2-butyl	H	I
6-4438	3-xyanophenyl	H	H	F	F	H	H	I	H	nonaflo-2-butyl	H	I
6-4439	4-xyanophenyl	H	H	F	F	H	H	I	H	nonaflo-2-butyl	H	I
6-4454	2-clopyriđin-3-yl	H	H	F	F	H	H	I	H	nonaflo-2-butyl	H	I
6-4496	phenyl	H	H	F	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
6-4516	3-xyanophenyl	H	H	F	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
6-4517	4-xyanophenyl	H	H	F	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
6-4532	2-clopyriđin-3-yl	H	H	F	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
6-4574	phenyl	H	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
6-4594	3-xyanophenyl	H	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
6-4595	4-xyanophenyl	H	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
6-4610	2-clopyriđin-3-yl	H	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
6-4652	phenyl	H	H	F	F	H	H	Br	H	heptafloisopropyl	H	OCF3
6-4672	3-xyanophenyl	H	H	F	F	H	H	Br	H	heptafloisopropyl	H	OCF3
6-4673	4-xyanophenyl	H	H	F	F	H	H	Br	H	heptafloisopropyl	H	OCF3
6-4688	2-clopyriđin-3-yl	H	H	F	F	H	H	Br	H	heptafloisopropyl	H	OCF3
6-4730	phenyl	H	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
6-4750	3-xyanophenyl	H	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
6-4751	4-xyanophenyl	H	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
6-4766	2-clopyriđin-3-yl	H	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
6-4808	phenyl	H	H	F	F	H	H	I	H	heptafloisopropyl	H	OCF3
6-4828	3-xyanophenyl	H	H	F	F	H	H	I	H	heptafloisopropyl	H	OCF3
6-4829	4-xyanophenyl	H	H	F	F	H	H	I	H	heptafloisopropyl	H	OCF3
6-4844	2-clopyriđin-3-yl	H	H	F	F	H	H	I	H	heptafloisopropyl	H	OCF3
6-4886	phenyl	H	H	F	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
6-4906	3-xyanophenyl	H	H	F	F	H	H	I	H	nonaflo-2-butyl	H	OCF3

6-4907	4-xyanophenyl	H	H	F	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
6-4922	2-clopyriđin-3-yl	H	H	F	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
6-4964	phenyl	H	H	F	F	H	H	F	H	heptafloisopropyl	H	CF3
6-4965	phenyl	H	H	F	F	H	H	Cl	H	heptafloisopropyl	H	CF3
6-4985	3-xyanophenyl	H	H	F	F	H	H	Cl	H	heptafloisopropyl	H	CF3
6-4986	4-xyanophenyl	H	H	F	F	H	H	Cl	H	heptafloisopropyl	H	CF3
6-5001	2-clopyriđin-3-yl	H	H	F	F	H	H	Cl	H	heptafloisopropyl	H	CF3
6-5043	phenyl	H	H	F	F	H	H	F	H	nonaflo-2-butyl	H	CF3
6-5044	phenyl	H	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-5064	3-xyanophenyl	H	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-5065	4-xyanophenyl	H	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-5080	2-clopyriđin-3-yl	H	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
6-5122	phenyl	H	H	F	F	H	H	Br	H	heptafloisopropyl	H	CF3
6-5142	3-xyanophenyl	H	H	F	F	H	H	Br	H	heptafloisopropyl	H	CF3
6-5143	4-xyanophenyl	H	H	F	F	H	H	Br	H	heptafloisopropyl	H	CF3
6-5158	2-clopyriđin-3-yl	H	H	F	F	H	H	Br	H	heptafloisopropyl	H	CF3
6-5200	phenyl	H	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-5220	3-xyanophenyl	H	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-5221	4-xyanophenyl	H	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-5236	2-clopyriđin-3-yl	H	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
6-5278	phenyl	H	H	F	F	H	H	I	H	heptafloisopropyl	H	CF3
6-5298	3-xyanophenyl	H	H	F	F	H	H	I	H	heptafloisopropyl	H	CF3
6-5299	4-xyanophenyl	H	H	F	F	H	H	I	H	heptafloisopropyl	H	CF3
6-5314	2-clopyriđin-3-yl	H	H	F	F	H	H	I	H	heptafloisopropyl	H	CF3
6-5356	phenyl	H	H	F	F	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 6 (13)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
6-5376	3-xyanophenyl	H	H	F	F	H	H	I	H	nonaflo-2-butyl	H	CF3
6-5377	4-xyanophenyl	H	H	F	F	H	H	I	H	nonaflo-2-butyl	H	CF3
6-5392	2-clopyriđin-3-yl	H	H	F	F	H	H	I	H	nonaflo-2-butyl	H	CF3
6-5434	phenyl	H	H	F	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
6-5449	3-xyanophenyl	H	H	F	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
6-5450	4-xyanophenyl	H	H	F	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
6-5465	2-clopyriđin-3-yl	H	H	F	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
6-5490	phenyl	H	H	F	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
6-5505	3-xyanophenyl	H	H	F	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
6-5506	4-xyanophenyl	H	H	F	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
6-5521	2-clopyriđin-3-yl	H	H	F	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
6-5546	phenyl	H	H	F	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
6-5561	3-xyanophenyl	H	H	F	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
6-5562	4-xyanophenyl	H	H	F	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
6-5577	2-clopyriđin-3-yl	H	H	F	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
6-5602	phenyl	H	H	F	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
6-5617	3-xyanophenyl	H	H	F	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
6-5633	2-clopyriđin-3-yl	H	H	F	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
6-5658	phenyl	H	H	F	F	H	H	CF3	H	heptafloisopropyl	H	CF3
6-5678	3-xyanophenyl	H	H	F	F	H	H	CF3	H	heptafloisopropyl	H	CF3
6-5694	2-clopyriđin-3-yl	H	H	F	F	H	H	CF3	H	heptafloisopropyl	H	CF3
6-5726	phenyl	H	H	F	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
6-5746	3-xyanophenyl	H	H	F	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
6-5747	4-xyanophenyl	H	H	F	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
6-5762	2-clopyriđin-3-yl	H	H	F	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
6-5794	phenyl	H	H	F	F	F	H	Cl	H	pentafloetyl	H	Cl
6-5795	phenyl	H	H	F	F	F	H	Br	H	heptafloisopropyl	H	Br
6-5796	phenyl	H	H	F	F	F	H	Br	H	heptafloisopropyl	H	OCF3
6-5797	phenyl	H	H	F	F	F	H	I	H	heptafloisopropyl	H	CF3
6-5798	phenyl	H	H	F	F	F	H	CF3	H	heptafloisopropyl	H	CF3
6-5799	phenyl	H	H	F	F	F	H	I	H	nonaflo-2-butyl	H	I
6-5800	phenyl	H	H	F	F	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
6-5801	phenyl	H	H	F	F	F	H	Br	H	nonaflo-2-butyl	H	CF3
6-5802	phenyl	H	H	F	F	F	H	CF3	H	nonaflo-2-butyl	H	CF3
6-5803	phenyl	H	H	H	H	F	H	Cl	H	pentafloetyl	H	Cl
6-5804	phenyl	H	H	H	H	F	H	Br	H	heptafloisopropyl	H	Br

6-5805	phenyl	H	H	H	H	F	H	Br	H	heptafloisopropyl	H	OCF3
6-5806	phenyl	H	H	H	H	F	H	I	H	heptafloisopropyl	H	CF3
6-5807	phenyl	H	H	H	H	F	H	CF3	H	heptafloisopropyl	H	CF3
6-5808	phenyl	H	H	H	H	F	H	I	H	nonaflo-2-butyl	H	I
6-5809	phenyl	H	H	H	H	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
6-5810	phenyl	H	H	H	H	F	H	Br	H	nonaflo-2-butyl	H	CF3
6-5811	phenyl	H	H	H	H	F	H	CF3	H	nonaflo-2-butyl	H	CF3
6-5812	phenyl	H	H	H	H	H	F	Cl	H	pentafloetyl	H	Cl
6-5813	phenyl	H	H	H	H	H	F	Br	H	heptafloisopropyl	H	Br
6-5814	phenyl	H	H	H	H	H	F	Br	H	heptafloisopropyl	H	OCF3
6-5815	phenyl	H	H	H	H	H	F	I	H	heptafloisopropyl	H	CF3
6-5816	phenyl	H	H	H	H	H	F	CF3	H	heptafloisopropyl	H	CF3
6-5817	phenyl	H	H	H	H	H	F	I	H	nonaflo-2-butyl	H	I
6-5818	phenyl	H	H	H	H	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
6-5819	phenyl	H	H	H	H	H	F	Br	H	nonaflo-2-butyl	H	CF3
6-5820	phenyl	H	H	H	H	H	F	CF3	H	nonaflo-2-butyl	H	CF3
6-5821	phenyl	H	H	F	H	F	H	Cl	H	pentafloetyl	H	Cl
6-5822	phenyl	H	H	F	H	F	H	Br	H	heptafloisopropyl	H	Br
6-5823	phenyl	H	H	F	H	F	H	Br	H	heptafloisopropyl	H	OCF3
6-5824	phenyl	H	H	F	H	F	H	I	H	heptafloisopropyl	H	CF3
6-5825	phenyl	H	H	F	H	F	H	CF3	H	heptafloisopropyl	H	CF3
6-5826	phenyl	H	H	F	H	F	H	I	H	nonaflo-2-butyl	H	I
6-5827	phenyl	H	H	F	H	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
6-5828	phenyl	H	H	F	H	F	H	Br	H	nonaflo-2-butyl	H	CF3
6-5829	phenyl	H	H	F	H	F	H	CF3	H	nonaflo-2-butyl	H	CF3
6-5830	phenyl	H	H	F	H	H	F	Cl	H	pentafloetyl	H	Cl
6-5831	phenyl	H	H	F	H	H	F	Br	H	heptafloisopropyl	H	Br
6-5832	phenyl	H	H	F	H	H	F	Br	H	heptafloisopropyl	H	OCF3

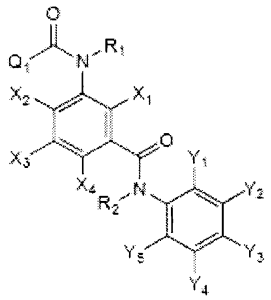
Bảng 6 (14)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
6-5833	phenyl	H	H	F	H	H	F	I	H	heptafloisopropyl	H	CF3
6-5834	phenyl	H	H	F	H	H	F	CF3	H	heptafloisopropyl	H	CF3
6-5835	phenyl	H	H	F	H	H	F	I	H	nonaflo-2-butyl	H	I
6-5836	phenyl	H	H	F	H	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
6-5837	phenyl	H	H	F	H	H	F	Br	H	nonaflo-2-butyl	H	CF3
6-5838	phenyl	H	H	F	H	H	F	CF3	H	nonaflo-2-butyl	H	CF3
6-5839	phenyl	H	H	H	F	F	H	Cl	H	pentafloetyl	H	Cl
6-5840	phenyl	H	H	H	F	F	H	Br	H	heptafloisopropyl	H	Br
6-5841	phenyl	H	H	H	F	F	H	Br	H	heptafloisopropyl	H	OCF3
6-5842	phenyl	H	H	H	F	F	H	I	H	heptafloisopropyl	H	CF3
6-5843	phenyl	H	H	H	F	F	H	CF3	H	heptafloisopropyl	H	CF3
6-5844	phenyl	H	H	H	F	F	H	I	H	nonaflo-2-butyl	H	I
6-5845	phenyl	H	H	H	F	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
6-5846	phenyl	H	H	H	F	F	H	Br	H	nonaflo-2-butyl	H	CF3
6-5847	phenyl	H	H	H	F	F	H	CF3	H	nonaflo-2-butyl	H	CF3
6-5848	phenyl	H	H	H	F	H	F	Cl	H	pentafloetyl	H	Cl
6-5849	phenyl	H	H	H	F	H	F	Br	H	heptafloisopropyl	H	Br
6-5850	phenyl	H	H	H	F	H	F	Br	H	heptafloisopropyl	H	OCF3
6-5851	phenyl	H	H	H	F	H	F	I	H	heptafloisopropyl	H	CF3
6-5852	phenyl	H	H	H	F	H	F	CF3	H	heptafloisopropyl	H	CF3
6-5853	phenyl	H	H	H	F	H	F	I	H	nonaflo-2-butyl	H	I
6-5854	phenyl	H	H	H	F	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
6-5855	phenyl	H	H	H	F	H	F	Br	H	nonaflo-2-butyl	H	CF3
6-5856	phenyl	H	H	H	F	H	F	CF3	H	nonaflo-2-butyl	H	CF3
6-5857	phenyl	H	H	H	H	F	F	Cl	H	pentafloetyl	H	Cl
6-5858	phenyl	H	H	H	H	F	F	Br	H	heptafloisopropyl	H	Br
6-5859	phenyl	H	H	H	H	F	F	Br	H	heptafloisopropyl	H	OCF3
6-5860	phenyl	H	H	H	H	F	F	I	H	heptafloisopropyl	H	CF3
6-5861	phenyl	H	H	H	H	F	F	CF3	H	heptafloisopropyl	H	CF3
6-5862	phenyl	H	H	H	H	F	F	I	H	nonaflo-2-butyl	H	I
6-5863	phenyl	H	H	H	H	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
6-5864	phenyl	H	H	H	H	F	F	Br	H	nonaflo-2-butyl	H	CF3
6-5865	phenyl	H	H	H	H	F	F	CF3	H	nonaflo-2-butyl	H	CF3
6-5866	phenyl	H	H	F	F	H	F	Cl	H	pentafloetyl	H	Cl
6-5867	phenyl	H	H	F	F	H	F	Br	H	heptafloisopropyl	H	Br
6-5868	phenyl	H	H	F	F	H	F	Br	H	heptafloisopropyl	H	OCF3
6-5869	phenyl	H	H	F	F	H	F	I	H	heptafloisopropyl	H	CF3
6-5870	phenyl	H	H	F	F	H	F	CF3	H	heptafloisopropyl	H	CF3
6-5871	phenyl	H	H	F	F	H	F	I	H	nonaflo-2-butyl	H	I

6-5872	phenyl	H	H	F	F	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
6-5873	phenyl	H	H	F	F	H	F	Br	H	nonaflo-2-butyl	H	CF3
6-5874	phenyl	H	H	F	F	H	F	CF3	H	nonaflo-2-butyl	H	CF3
6-5875	phenyl	H	H	F	H	F	F	Cl	H	pentafloetyl	H	Cl
6-5876	phenyl	H	H	F	H	F	F	Br	H	heptafloisopropyl	H	Br
6-5877	phenyl	H	H	F	H	F	F	Br	H	heptafloisopropyl	H	OCF3
6-5878	phenyl	H	H	F	H	F	F	I	H	heptafloisopropyl	H	CF3
6-5879	phenyl	H	H	F	H	F	F	CF3	H	heptafloisopropyl	H	CF3
6-5880	phenyl	H	H	F	H	F	F	I	H	nonaflo-2-butyl	H	I
6-5881	phenyl	H	H	F	H	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
6-5882	phenyl	H	H	F	H	F	F	Br	H	nonaflo-2-butyl	H	CF3
6-5883	phenyl	H	H	F	H	F	F	CF3	H	nonaflo-2-butyl	H	CF3
6-5884	phenyl	H	H	H	F	F	F	Cl	H	pentafloetyl	H	Cl
6-5885	phenyl	H	H	H	F	F	F	Br	H	heptafloisopropyl	H	Br
6-5886	phenyl	H	H	H	F	F	F	Br	H	heptafloisopropyl	H	OCF3
6-5887	phenyl	H	H	H	F	F	F	I	H	heptafloisopropyl	H	CF3
6-5888	phenyl	H	H	H	F	F	F	CF3	H	heptafloisopropyl	H	CF3
6-5889	phenyl	H	H	H	F	F	F	I	H	nonaflo-2-butyl	H	I
6-5890	phenyl	H	H	H	F	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
6-5891	phenyl	H	H	H	F	F	F	Br	H	nonaflo-2-butyl	H	CF3
6-5892	phenyl	H	H	H	F	F	F	CF3	H	nonaflo-2-butyl	H	CF3
6-5893	phenyl	H	H	F	F	F	F	Cl	H	pentafloetyl	H	Cl
6-5894	phenyl	H	H	F	F	F	F	Br	H	heptafloisopropyl	H	Br
6-5895	phenyl	H	H	F	F	F	F	Br	H	heptafloisopropyl	H	OCF3
6-5896	phenyl	H	H	F	F	F	F	I	H	heptafloisopropyl	H	CF3

Bảng 6 (15)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
6-5897	phenyl	H	H	F	F	F	F	CF3	H	heptafloisopropyl	H	CF3
6-5898	phenyl	H	H	F	F	F	F	I	H	nonaflo-2-butyl	H	I
6-5899	phenyl	H	H	F	F	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
6-5900	phenyl	H	H	F	F	F	F	Br	H	nonaflo-2-butyl	H	CF3
6-5901	phenyl	H	H	F	F	F	F	CF3	H	nonaflo-2-butyl	H	CF3
6-5902	phenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	Cl
6-5903	3-flophenyl	H	H	H	H	H	H	I	H	nonaflo-2-butyl	H	I
6-5904	4-flophenyl	H	H	H	H	H	H	I	H	nonaflo-2-butyl	H	I
6-5905	3-flophenyl	H	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
6-5906	4-flophenyl	H	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
6-5907	phenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
6-5908	2-clopyridin-3-yl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
6-5909	4-xyanophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
6-5910	phenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	C2F5
6-5911	4-xyanophenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	C2F5
6-5912	2-clo-4-(metylsulfonyl)phenyl	H	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
6-5913	phenyl	H	H	H	H	H	H	Br	H	pentafloetyl	H	CF3
6-5914	2-clopyridin-3-yl	H	H	H	H	H	H	Br	H	pentafloetyl	H	CF3



Bảng 7 (1)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
7-1	phenyl	Me	H	H	H	H	H	F	H	nonaflo-2-butyl	H	F
7-2	3-xyanophenyl	Me	H	H	H	H	H	F	H	nonaflo-2-butyl	H	F
7-3	4-xyanophenyl	Me	H	H	H	H	H	F	H	nonaflo-2-butyl	H	F
7-4	2-clopyriđin-3-yl	Me	H	H	H	H	H	F	H	nonaflo-2-butyl	H	F
7-5	phenyl	Me	H	H	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
7-12	3-xyanophenyl	Me	H	H	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
7-13	4-xyanophenyl	Me	H	H	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
7-24	2-clopyriđin-3-yl	Me	H	H	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
7-38	phenyl	Me	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
7-39	2-flophenyl	Me	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
7-45	3-xyanophenyl	Me	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
7-46	4-xyanophenyl	Me	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
7-47	2,6-điflophenyl	Me	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
7-57	2-clopyriđin-3-yl	Me	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
7-60	6-clopyriđin-3-yl	Me	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
7-71	phenyl	Me	H	H	H	H	H	I	H	nonaflo-2-butyl	H	I
7-72	2-flophenyl	Me	H	H	H	H	H	I	H	nonaflo-2-butyl	H	I
7-78	3-xyanophenyl	Me	H	H	H	H	H	I	H	nonaflo-2-butyl	H	I
7-79	4-xyanophenyl	Me	H	H	H	H	H	I	H	nonaflo-2-butyl	H	I
7-80	2,6-điflophenyl	Me	H	H	H	H	H	I	H	nonaflo-2-butyl	H	I
7-90	2-clopyriđin-3-yl	Me	H	H	H	H	H	I	H	nonaflo-2-butyl	H	I
7-93	6-clopyriđin-3-yl	Me	H	H	H	H	H	I	H	nonaflo-2-butyl	H	I
7-104	phenyl	Me	H	H	H	H	H	F	H	nonaflo-2-butyl	H	Cl
7-105	phenyl	Me	H	H	H	H	H	F	H	nonaflo-2-butyl	H	Br
7-106	phenyl	Me	H	H	H	H	H	F	H	nonaflo-2-butyl	H	I
7-107	phenyl	Me	H	H	H	H	H	Cl	H	nonaflo-2-butyl	H	Br
7-108	phenyl	Me	H	H	H	H	H	Cl	H	nonaflo-2-butyl	H	I
7-109	phenyl	Me	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	I
7-110	phenyl	Me	H	H	H	H	H	F	H	heptafloisopropyl	H	CF3
7-111	phenyl	Me	H	H	H	H	H	Cl	H	heptafloisopropyl	H	CF3
7-131	3-xyanophenyl	Me	H	H	H	H	H	Cl	H	heptafloisopropyl	H	CF3
7-132	4-xyanophenyl	Me	H	H	H	H	H	Cl	H	heptafloisopropyl	H	CF3

7-147	2-clopyriđin-3-yl	Me	H	H	H	H	H	Cl	H	heptafloisopropyl	H	CF3
7-189	phenyl	Me	H	H	H	H	H	F	H	nonaflo-2-butyl	H	CF3
7-190	phenyl	Me	H	H	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
7-210	3-xyanophenyl	Me	H	H	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
7-211	4-xyanophenyl	Me	H	H	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
7-226	2-clopyriđin-3-yl	Me	H	H	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
7-268	phenyl	Me	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-269	2-flophenyl	Me	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-270	3-flophenyl	Me	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-271	4-flophenyl	Me	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-285	3-nitrophenyl	Me	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-286	4-nitrophenyl	Me	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-288	3-xyanophenyl	Me	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-289	4-xyanophenyl	Me	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-290	2,6-điflophenyl	Me	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-299	3,5-đixyanophenyl	Me	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-300	4-xyano-2-flophenyl	Me	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-301	2-clo-4-xyanophenyl	Me	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-303	2-flopyriđin-3-yl	Me	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-304	2-clopyriđin-3-yl	Me	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-305	2-brompyriđin-3-yl	Me	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-311	6-clopyriđin-3-yl	Me	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-316	6-xyanopyriđin-3-yl	Me	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3

Bảng 7 (2)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
7-346	phenyl	Me	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-347	2-flophenyl	Me	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-348	3-flophenyl	Me	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-349	4-flophenyl	Me	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-366	3-xyanophenyl	Me	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-367	4-xyanophenyl	Me	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-368	2,6-diflophenyl	Me	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-382	2-clopyriđin-3-yl	Me	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-389	6-clopyriđin-3-yl	Me	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-424	phenyl	Me	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
7-425	2-flophenyl	Me	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
7-426	3-flophenyl	Me	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
7-427	4-flophenyl	Me	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
7-428	2-clophenyl	Me	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
7-444	3-xyanophenyl	Me	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
7-445	4-xyanophenyl	Me	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
7-446	2,6-diflophenyl	Me	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
7-449	2-clo-4-flophenyl	Me	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
7-460	2-clopyriđin-3-yl	Me	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
7-467	6-clopyriđin-3-yl	Me	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
7-502	phenyl	Me	H	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-504	3-flophenyl	Me	H	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-505	4-flophenyl	Me	H	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-522	3-xyanophenyl	Me	H	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-523	4-xyanophenyl	Me	H	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-538	2-clopyriđin-3-yl	Me	H	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-580	phenyl	Me	H	H	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
7-611	2-clopyriđin-3-yl	Me	H	H	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
7-636	phenyl	Me	H	H	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
7-667	2-clopyriđin-3-yl	Me	H	H	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
7-692	phenyl	Me	H	H	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
7-723	2-clopyriđin-3-yl	Me	H	H	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
7-748	phenyl	Me	H	H	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
7-779	2-clopyriđin-3-yl	Me	H	H	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
7-804	phenyl	Me	H	H	H	H	H	CF3	H	heptafloisopropyl	H	CF3
7-824	3-xyanophenyl	Me	H	H	H	H	H	CF3	H	heptafloisopropyl	H	CF3

7-825	4-xyanophenyl	Me	H	H	H	H	H	CF3	H	heptafloisopropyl	H	CF3
7-840	2-clopyriđin-3-yl	Me	H	H	H	H	H	CF3	H	heptafloisopropyl	H	CF3
7-841	2-brompyriđin-3-yl	Me	H	H	H	H	H	CF3	H	heptafloisopropyl	H	CF3
7-872	phenyl	Me	H	H	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
7-892	3-xyanophenyl	Me	H	H	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
7-893	4-xyanophenyl	Me	H	H	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
7-908	2-clopyriđin-3-yl	Me	H	H	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
7-940	phenyl	Me	H	F	H	H	H	F	H	heptafloisopropyl	H	F
7-941	3-xyanophenyl	Me	H	F	H	H	H	F	H	heptafloisopropyl	H	F
7-942	4-xyanophenyl	Me	H	F	H	H	H	F	H	heptafloisopropyl	H	F
7-943	2-clopyriđin-3-yl	Me	H	F	H	H	H	F	H	heptafloisopropyl	H	F
7-944	phenyl	Me	H	F	H	H	H	F	H	nonaflo-2-butyl	H	F
7-945	3-xyanophenyl	Me	H	F	H	H	H	F	H	nonaflo-2-butyl	H	F
7-946	4-xyanophenyl	Me	H	F	H	H	H	F	H	nonaflo-2-butyl	H	F
7-947	2-clopyriđin-3-yl	Me	H	F	H	H	H	F	H	nonaflo-2-butyl	H	F
7-948	phenyl	Me	H	F	H	H	H	Cl	H	heptafloisopropyl	H	Cl
7-968	3-xyanophenyl	Me	H	F	H	H	H	Cl	H	heptafloisopropyl	H	Cl
7-969	4-xyanophenyl	Me	H	F	H	H	H	Cl	H	heptafloisopropyl	H	Cl
7-984	2-clopyriđin-3-yl	Me	H	F	H	H	H	Cl	H	heptafloisopropyl	H	Cl
7-1026	phenyl	Me	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
7-1046	3-xyanophenyl	Me	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
7-1047	4-xyanophenyl	Me	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
7-1062	2-clopyriđin-3-yl	Me	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
7-1104	phenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	Br
7-1105	2-flophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	Br
7-1106	3-flophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	Br
7-1107	4-flophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	Br
7-1124	3-xyanophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	Br

Bảng 7 (3)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
7-1125	4-xyanophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	Br
7-1126	2,6-điflophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	Br
7-1140	2-clopyriđin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	Br
7-1147	6-clopyriđin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	Br
7-1182	phenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
7-1183	2-flophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
7-1184	3-flophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
7-1185	4-flophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
7-1202	3-xyanophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
7-1203	4-xyanophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
7-1204	2,6-điflophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
7-1218	2-clopyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
7-1225	6-clopyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
7-1260	phenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	I
7-1261	2-flophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	I
7-1262	3-flophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	I
7-1263	4-flophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	I
7-1280	3-xyanophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	I
7-1281	4-xyanophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	I
7-1282	2,6-điflophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	I
7-1296	2-clopyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	I
7-1303	6-clopyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	I
7-1338	phenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	I
7-1339	2-flophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	I
7-1340	3-flophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	I
7-1341	4-flophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	I
7-1358	3-xyanophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	I
7-1359	4-xyanophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	I
7-1360	2,6-điflophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	I
7-1374	2-clopyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	I
7-1381	6-clopyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	I
7-1416	phenyl	Me	H	F	H	H	H	F	H	heptafloisopropyl	H	CF3
7-1417	phenyl	Me	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
7-1428	3-iođophenyl	Me	H	F	H	H	H	Cl	H	pentafloetyl	H	CF3
7-1429	4-iođophenyl	Me	H	F	H	H	H	Cl	H	pentafloetyl	H	CF3
7-1431	(3-triflometyl) phenyl	Et	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
7-1436	2-xyanophenyl	Me	H	F	H	H	H	Cl	H	pentafloetyl	H	C2F5
7-1437	3-xyanophenyl	Me	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3

7-1438	4-xyanophenyl	Me	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
7-1441	2,4-diclophenyl	Me	H	F	H	H	H	Cl	H	heptafloisopropyl	H	C2F5
7-1442	2-clo-4-flophenyl	n-Pr	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
7-1445	2-brom-4-clophenyl	Me	H	F	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
7-1452	2-flopyridin-3-yl	Me	H	F	H	H	H	Cl	H	pentafloetyl	H	CF3
7-1453	2-clopyridin-3-yl	Me	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
7-1459	6-flopyridin-3-yl	i-Pr	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
7-1466	5-flopyridin-3-yl	Me	H	F	H	H	H	Cl	H	heptafloisopropyl	H	C2F5
7-1468	5-brompyridin-3-yl	Me	H	F	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
7-1469	5-iodopyridin-3-yl	Me	H	F	H	H	H	Cl	H	heptafloisopropyl	H	i-C3F7
7-1471	5-nitropyridin-3-yl	Me	H	F	H	H	H	Cl	H	pentafloetyl	H	CF3
7-1473	4-flopyridin-3-yl	Me	H	F	H	H	H	Cl	H	pentafloetyl	H	CF3
7-1475	4-brompyridin-3-yl	CH2CH = CH2	H	F	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
7-1476	4-iodopyridin-3-yl	Me	H	F	H	H	H	Cl	H	heptafloisopropyl	H	i-C3F7
7-1482	pyridin-4-yl	CN	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
7-1494	4-xyanopyridin-2-yl	Me	H	F	H	H	H	Cl	H	pentafloetyl	H	CF3
7-1495	phenyl	Me	H	F	H	H	H	F	H	nonaflo-2-butyl	H	CF3
7-1496	phenyl	Me	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
7-1504	3-bromphenyl	CH2C≡CH	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
7-1509	(2-triflometyl) phenyl	Me	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
7-1511	(4-triflometyl) phenyl	NH2	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
7-1516	3-xyanophenyl	Me	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
7-1517	4-xyanophenyl	Me	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
7-1524	2-brom-4-clophenyl	C(O)OMe	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
7-1526	2-clo-4-nitrophenyl	Me	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
7-1532	2-clopyridin-3-yl	Me	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3

Bảng 7 (4)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
7-1545	5-flopyriđin-3-yl	C(O)OEt	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
7-1547	5-brompyriđin-3-yl	Me	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
7-1548	5-iođopyriđin-3-yl	Me	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
7-1552	4-flopyriđin-3-yl	Me	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
7-1554	4-brompyriđin-3-yl	C(O)C(O)Me	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
7-1556	4-(triflometyl) pyriđin-3-yl	Me	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
7-1557	4-nitropyriđin-3-yl	C(O)C(O)Et	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
7-1571	5-iođopyriđin-2-yl	C(O)Me	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
7-1573	4-xyanopyriđin-2-yl	C(O)Et	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
7-1574	phenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1575	2-flophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1576	3-flophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1577	4-flophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1578	2-clophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1579	3-clophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1580	4-clophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1581	2-bromphenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1582	3-bromphenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1583	4-bromphenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1584	2-iođophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1585	3-iođophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1586	4-iođophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1587	(2-triflometyl) phenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1588	(3-triflometyl) phenyl	S(O)2Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1589	(4-triflometyl) phenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1590	2-nitrophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1591	3-nitrophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1592	4-nitrophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1593	2-xyanophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1594	3-xyanophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1595	4-xyanophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1596	2,6-điflophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1597	3,4-điclophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3

7-1598	2,4-diclophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1599	2-clo-4-flophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1600	2-clo-4,5-diflophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1601	4-brom-2-clophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1602	2-brom-4-clophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1603	2-brom-4-flophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1604	2-clo-4-nitrophenyl	S(O)2Et	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1605	3,5-dixyanophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1606	4-xyano-2-flophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1607	2-clo-4-xyanophenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1608	pyridin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1609	2-flopyridin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1610	2-clopyridin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1611	2-brompyridin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1612	2-iodopyridin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1613	2-(triflometyl)	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1614	2-nitropyridin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1615	2-xyanopyridin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1616	6-flopyridin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1617	6-clopyridin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1618	6-brompyridin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1619	6-iodopyridin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1620	6-(triflometyl)	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1621	6-nitropyridin-3-yl	CH2Ph	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1622	6-xyanopyridin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1623	5-flopyridin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1624	5-clopyridin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1625	5-brompyridin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1626	5-iodopyridin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1627	5-(triflometyl) pyridin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1628	5-nitropyridin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3

7-1629	5-xyanopyriđin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3

Bảng 7 (5)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
7-1630	4-flopyriđin-3-yl	CH2(3-Py)	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1631	4-clopyriđin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1632	4-brompyriđin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1633	4-iođopyriđin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1634	4-(triflometyl)pyriđin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1635	4-nitropyriđin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1636	4-xyanopyriđin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1637	2,6-điclopyriđin-3-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1638	pyriđin-3-yl N-oxit	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1639	pyriđin-4-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1640	2-clopyriđin-4-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1641	3-brompyriđin-4-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1642	3,5-điclopyriđin-4-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1643	3-(triflometyl) pyriđin-4-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1644	2,6-đixyanopyriđin-4-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1645	pyriđin-4-yl N-oxit	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1646	pyriđin-2-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1647	3-clopyriđin-2-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1648	4-brompyriđin-2-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1649	5-iođopyriđin-2-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1650	6-clopyriđin-2-yl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1651	4-xyanopyriđin-2-yl	CH2(3-Py-N-oxit)	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-1652	phenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1653	2-flophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1654	3-flophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1655	4-flophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1656	2-clophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1657	3-clophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1658	4-clophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1659	2-bromphenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1660	3-bromphenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1661	4-bromphenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1662	2-iođophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1663	3-iođophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1664	4-iođophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3

7-1665	(2-triflometyl)phenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1666	(3-triflometyl)phenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1667	(4-triflometyl)phenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1668	2-nitrophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1669	3-nitrophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1670	4-nitrophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1671	2-xyanophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1672	3-xyanophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1673	4-xyanophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1674	2,6-điflophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1675	3,4-điclophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1676	2,4-điclophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1677	2-clo-4-flophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1678	2-clo-4,5-điflophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1679	4-brom-2-clophenyl	Et	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1680	2-brom-4-clophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1681	2-brom-4-flophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1682	2-clo-4-nitrophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1683	3,5-đixyanophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1684	4-xyano-2-flophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1685	2-clo-4-xyanophenyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1686	pyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1687	2-flopyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1688	2-clopyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1689	2-brompyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1690	2-iođopyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1691	2-(triflometyl)pyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1692	2-nitropyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1693	2-xyanopyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3

Bảng 7 (6)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
7-1694	6-flopyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1695	6-clopyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1696	6-brompyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1697	6-iođopyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1698	6-(triflometyl)pyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1699	6-nitropyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1700	6-xyanopyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1701	5-flopyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1702	5-clopyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1703	5-brompyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1704	5-iođopyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1705	5-(triflometyl)pyriđin-3-yl	CN	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1706	5-nitropyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1707	5-xyanopyridin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1708	4-flopyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1709	4-clopyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1710	4-brompyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1711	4-iođopyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1712	4-(triflometyl)pyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1713	4-nitropyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1714	4-xyanopyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1715	2,6-điclopyriđin-3-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1716	pyriđin-3-yl N-oxit	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1717	pyriđin-4-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1718	2-clopyriđin-4-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1719	3-brompyriđin-4-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1720	3,5-điclopyriđin-4-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1721	3-(triflometyl)pyriđin-4-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1722	2,6-đixyanopyriđin-4-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1723	pyriđin-4-yl N-oxit	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1724	pyriđin-2-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1725	3-clopyriđin-2-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1726	4-brompyriđin-2-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1727	5-iođopyriđin-2-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1728	6-clopyriđin-2-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1729	4-xyanopyriđin-2-yl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-1730	phenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1731	2-flophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1732	3-flophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3

7-1733	4-flophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1734	2-clophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1735	3-clophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1736	4-clophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1737	2-bromphenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1738	3-bromphenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1739	4-bromphenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1740	2-iodophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1741	3-iodophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1742	4-iodophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1743	(2-triflometyl)phenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1744	(3-triflometyl)phenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1745	(4-triflometyl)phenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1746	2-nitrophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1747	3-nitrophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1748	4-nitrophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1749	2-xyanophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1750	3-xyanophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1751	4-xyanophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1752	2,6-diflophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1753	3,4-diclophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1754	2,4-diclophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1755	2-clo-4-flophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1756	2-clo-4,5-diflophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1757	4-brom-2-clophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3

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Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
7-1758	2-brom-4-clophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1759	2-brom-4-flophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1760	2-clo-4-nitrophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1761	3,5-đixyanophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1762	4-xyano-2-flophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1763	2-clo-4-xyanophenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1764	pyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1765	2-flopyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1766	2-clopyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1767	2-brompyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1768	2-iođopyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1769	2-(triflometyl)pyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1770	2-nitropyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1771	2-xyanopyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1772	6-flopyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1773	6-clopyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1774	6-brompyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1775	6-iođopyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1776	6-(triflometyl)pyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1777	6-nitropyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1778	6-xyanopyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1779	5-flopyriđin-3-yl	C(O)Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1780	5-clopyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1781	5-brompyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1782	5-iođopyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1783	5-(triflometyl)pyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1784	5-nitropyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1785	5-xyanopyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1786	4-flopyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1787	4-clopyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1788	4-brompyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1789	4-iođopyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1790	4-(triflometyl)pyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1791	4-nitropyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1792	4-xyanopyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1793	2,6-điclopyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3

7-1794	pyriđin-3-yl N-oxit	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1795	pyriđin-4-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1796	2-clopyriđin-4-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1797	3-brompyriđin-4-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1798	3,5-điclopyriđin-4-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1799	3-(triflometyl)pyriđin-4-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1800	2,6-đixyanopyriđin-4-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1801	pyriđin-4-yl N-oxit	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1802	pyriđin-2-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1803	3-clopyriđin-2-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1804	4-brompyriđin-2-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1805	5-iođopyriđin-2-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1806	6-clopyriđin-2-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1807	4-xyanopyriđin-2-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
7-1808	phenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1809	2-flophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1810	3-flophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1811	4-flophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1812	2-clophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1813	3-clophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1814	4-clophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1815	2-bromphenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1816	3-bromphenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1817	4-bromphenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1818	2-iođophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1819	3-iođophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1820	4-iođophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1821	(2-triflometyl)phenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 7 (8)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
7-1822	(3-triflometyl)phenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1823	(4-triflometyl)phenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1824	2-nitrophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1825	3-nitrophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1826	4-nitrophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1827	2-xyanophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1828	3-xyanophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1829	4-xyanophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1830	2,6-điflophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1831	3,4-điclophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1832	2,4-điclophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1833	2-clo-4-flophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1834	2-clo-4,5-điflophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1835	4-brom-2-clophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1836	2-brom-4-clophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1837	2-brom-4-flophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1838	2-clo-4-nitrophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1839	3,5-đixyanophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1840	4-xyano-2-flophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1841	2-clo-4-xyanophenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1842	pyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1843	2-flopyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1844	2-clopyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1845	2-brompyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1846	2-iođopyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1847	2-(triflometyl)pyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1848	2-nitropyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1849	2-xyanopyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1850	6-flopyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1851	6-clopyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1852	6-brompyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1853	6-iođopyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1854	6-(triflometyl)pyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1855	6-nitropyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1856	6-xyanopyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1857	5-flopyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1858	5-clopyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1859	5-brompyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

7-1860	5-iođopyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1861	5-(triflometyl)pyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1862	5-nitropyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1863	5-xyanopyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1864	4-flopyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1865	4-clopyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1866	4-brompyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1867	4-iođopyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1868	4-(triflometyl) pyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1869	4-nitropyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1870	4-xyanopyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1871	2,6-điclopyriđin-3-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1872	pyriđin-3-yl N-oxit	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1873	pyriđin-4-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1874	2-clopyriđin-4-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1875	3-brompyriđin-4-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1876	3,5-điclopyriđin-4-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1877	3-(triflometyl) pyriđin-4-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1878	2,6-đixyanopyriđin-4-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1879	pyriđin-4-yl N-oxit	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1880	pyriđin-2-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1881	3-clopyriđin-2-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1882	4-brompyriđin-2-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1883	5-iođopyriđin-2-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1884	6-clopyriđin-2-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
7-1885	4-xyanopyriđin-2-yl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

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Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
7-1886	phenyl	Me	H	F	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
7-1901	3-xyanophenyl	Me	H	F	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
7-1902	4-xyanophenyl	Me	H	F	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
7-1917	2-clopyriđin-3-yl	Me	H	F	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
7-1942	phenyl	Me	H	F	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
7-1957	3-xyanophenyl	Me	H	F	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
7-1958	4-xyanophenyl	Me	H	F	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
7-1973	2-clopyriđin-3-yl	Me	H	F	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
7-1998	phenyl	Me	H	F	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
7-2013	3-xyanophenyl	Me	H	F	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
7-2014	4-xyanophenyl	Me	H	F	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
7-2029	2-clopyriđin-3-yl	Me	H	F	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
7-2054	phenyl	Me	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
7-2069	3-xyanophenyl	Me	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
7-2070	4-xyanophenyl	Me	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
7-2085	2-clopyriđin-3-yl	Me	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
7-2110	phenyl	Me	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
7-2130	3-xyanophenyl	Me	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
7-2131	4-xyanophenyl	Me	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
7-2146	2-clopyriđin-3-yl	Me	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
7-2178	phenyl	Me	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
7-2198	3-xyanophenyl	Me	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
7-2199	4-xyanophenyl	Me	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
7-2214	2-clopyriđin-3-yl	Me	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
7-2246	phenyl	Me	H	H	F	H	H	F	H	heptafloisopropyl	H	F
7-2247	3-xyanophenyl	Me	H	H	F	H	H	F	H	heptafloisopropyl	H	F
7-2248	4-xyanophenyl	Me	H	H	F	H	H	F	H	heptafloisopropyl	H	F
7-2249	2-clopyriđin-3-yl	Me	H	H	F	H	H	F	H	heptafloisopropyl	H	F
7-2250	phenyl	Me	H	H	F	H	H	F	H	nonaflo-2-butyl	H	F
7-2251	3-xyanophenyl	Me	H	H	F	H	H	F	H	nonaflo-2-butyl	H	F
7-2252	4-xyanophenyl	Me	H	H	F	H	H	F	H	nonaflo-2-butyl	H	F
7-2253	2-clopyriđin-3-yl	Me	H	H	F	H	H	F	H	nonaflo-2-butyl	H	F
7-2254	phenyl	Me	H	H	F	H	H	Cl	H	heptafloisopropyl	H	Cl
7-2274	3-xyanophenyl	Me	H	H	F	H	H	Cl	H	heptafloisopropyl	H	Cl
7-2275	4-xyanophenyl	Me	H	H	F	H	H	Cl	H	heptafloisopropyl	H	Cl

7-2290	2-clopyriđin-3-yl	Me	H	H	F	H	H	Cl	H	heptafloisopropyl	H	Cl
7-2332	phenyl	Me	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
7-2352	3-xyanophenyl	Me	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
7-2353	4-xyanophenyl	Me	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
7-2368	2-clopyriđin-3-yl	Me	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
7-2410	phenyl	Me	H	H	F	H	H	Br	H	heptafloisopropyl	H	Br
7-2430	3-xyanophenyl	Me	H	H	F	H	H	Br	H	heptafloisopropyl	H	Br
7-2431	4-xyanophenyl	Me	H	H	F	H	H	Br	H	heptafloisopropyl	H	Br
7-2446	2-clopyriđin-3-yl	Me	H	H	F	H	H	Br	H	heptafloisopropyl	H	Br
7-2488	phenyl	Me	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	Br
7-2508	3-xyanophenyl	Me	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	Br
7-2509	4-xyanophenyl	Me	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	Br
7-2524	2-clopyriđin-3-yl	Me	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	Br
7-2566	phenyl	Me	H	H	F	H	H	I	H	heptafloisopropyl	H	I
7-2586	3-xyanophenyl	Me	H	H	F	H	H	I	H	heptafloisopropyl	H	I
7-2587	4-xyanophenyl	Me	H	H	F	H	H	I	H	heptafloisopropyl	H	I
7-2602	2-clopyriđin-3-yl	Me	H	H	F	H	H	I	H	heptafloisopropyl	H	I
7-2644	phenyl	Me	H	H	F	H	H	I	H	nonaflo-2-butyl	H	I
7-2664	3-xyanophenyl	Me	H	H	F	H	H	I	H	nonaflo-2-butyl	H	I
7-2665	4-xyanophenyl	Me	H	H	F	H	H	I	H	nonaflo-2-butyl	H	I
7-2680	2-clopyriđin-3-yl	Me	H	H	F	H	H	I	H	nonaflo-2-butyl	H	I
7-2722	phenyl	Me	H	H	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
7-2742	3-xyanophenyl	Me	H	H	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
7-2743	4-xyanophenyl	Me	H	H	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
7-2758	2-clopyriđin-3-yl	Me	H	H	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
7-2800	phenyl	Me	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
7-2820	3-xyanophenyl	Me	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
7-2821	4-xyanophenyl	Me	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
7-2836	2-clopyriđin-3-yl	Me	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3

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Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
7-2878	phenyl	Me	H	H	F	H	H	Br	H	heptafloisopropyl	H	OCF3
7-2898	3-xyanophenyl	Me	H	H	F	H	H	Br	H	heptafloisopropyl	H	OCF3
7-2899	4-xyanophenyl	Me	H	H	F	H	H	Br	H	heptafloisopropyl	H	OCF3
7-2914	2-clopyriđin-3-yl	Me	H	H	F	H	H	Br	H	heptafloisopropyl	H	OCF3
7-2956	phenyl	Me	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
7-2976	3-xyanophenyl	Me	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
7-2977	4-xyanophenyl	Me	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
7-2992	2-clopyriđin-3-yl	Me	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
7-3034	phenyl	Me	H	H	F	H	H	I	H	heptafloisopropyl	H	OCF3
7-3054	3-xyanophenyl	Me	H	H	F	H	H	I	H	heptafloisopropyl	H	OCF3
7-3055	4-xyanophenyl	Me	H	H	F	H	H	I	H	heptafloisopropyl	H	OCF3
7-3070	2-clopyriđin-3-yl	Me	H	H	F	H	H	I	H	heptafloisopropyl	H	OCF3
7-3112	phenyl	Me	H	H	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
7-3132	3-xyanophenyl	Me	H	H	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
7-3133	4-xyanophenyl	Me	H	H	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
7-3148	2-clopyriđin-3-yl	Me	H	H	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
7-3190	phenyl	Me	H	H	F	H	H	F	H	heptafloisopropyl	H	CF3
7-3191	phenyl	Me	H	H	F	H	H	Cl	H	heptafloisopropyl	H	CF3
7-3211	3-xyanophenyl	Me	H	H	F	H	H	Cl	H	heptafloisopropyl	H	CF3
7-3212	4-xyanophenyl	Me	H	H	F	H	H	Cl	H	heptafloisopropyl	H	CF3
7-3227	2-clopyriđin-3-yl	Me	H	H	F	H	H	Cl	H	heptafloisopropyl	H	CF3
7-3269	phenyl	Me	H	H	F	H	H	F	H	nonaflo-2-butyl	H	CF3
7-3270	phenyl	Me	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
7-3290	3-xyanophenyl	Me	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
7-3291	4-xyanophenyl	Me	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
7-3306	2-clopyriđin-3-yl	Me	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
7-3348	phenyl	Me	H	H	F	H	H	Br	H	heptafloisopropyl	H	CF3
7-3368	3-xyanophenyl	Me	H	H	F	H	H	Br	H	heptafloisopropyl	H	CF3
7-3369	4-xyanophenyl	Me	H	H	F	H	H	Br	H	heptafloisopropyl	H	CF3

7-3384	2-clopyriđin-3-yl	Me	H	H	F	H	H	Br	H	heptafloisopropyl	H	CF3
7-3426	phenyl	Me	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-3446	3-xyanophenyl	Me	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-3447	4-xyanophenyl	Me	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-3462	2-clopyriđin-3-yl	Me	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-3504	phenyl	Me	H	H	F	H	H	I	H	heptafloisopropyl	H	CF3
7-3524	3-xyanophenyl	Me	H	H	F	H	H	I	H	heptafloisopropyl	H	CF3
7-3525	4-xyanophenyl	Me	H	H	F	H	H	I	H	heptafloisopropyl	H	CF3
7-3582	phenyl	Me	H	H	F	H	H	I	H	nonaflo-2-butyl	H	CF3
7-3602	3-xyanophenyl	Me	H	H	F	H	H	I	H	nonaflo-2-butyl	H	CF3
7-3603	4-xyanophenyl	Me	H	H	F	H	H	I	H	nonaflo-2-butyl	H	CF3
7-3618	2-clopyriđin-3-yl	Me	H	H	F	H	H	I	H	nonaflo-2-butyl	H	CF3
7-3660	phenyl	Me	H	H	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
7-3691	2-clopyriđin-3-yl	Me	H	H	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
7-3716	phenyl	Me	H	H	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
7-3747	2-clopyriđin-3-yl	Me	H	H	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
7-3772	phenyl	Me	H	H	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
7-3803	2-clopyriđin-3-yl	Me	H	H	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
7-3828	phenyl	Me	H	H	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
7-3859	2-clopyriđin-3-yl	Me	H	H	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
7-3884	phenyl	Me	H	H	F	H	H	CF3	H	heptafloisopropyl	H	CF3
7-3904	3-xyanophenyl	Me	H	H	F	H	H	CF3	H	heptafloisopropyl	H	CF3
7-3905	4-xyanophenyl	Me	H	H	F	H	H	CF3	H	heptafloisopropyl	H	CF3
7-3920	2-clopyriđin-3-yl	Me	H	H	F	H	H	CF3	H	heptafloisopropyl	H	CF3
7-3952	phenyl	Me	H	H	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
7-3972	3-xyanophenyl	Me	H	H	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
7-3973	4-xyanophenyl	Me	H	H	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
7-3988	2-clopyriđin-3-yl	Me	H	H	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
7-4020	phenyl	Me	H	F	F	H	H	F	H	heptafloisopropyl	H	F
7-4021	3-xyanophenyl	Me	H	F	F	H	H	F	H	heptafloisopropyl	H	F
7-4022	4-xyanophenyl	Me	H	F	F	H	H	F	H	heptafloisopropyl	H	F

7-4023	2-clopyridin-3-yl	Me	H	F	F	H	H	F	H	heptafloisopropyl	H	F
7-4024	phenyl	Me	H	F	F	H	H	F	H	nonaflo-2-butyl	H	F
7-4025	3-xyanophenyl	Me	H	F	F	H	H	F	H	nonaflo-2-butyl	H	F
7-4026	4-xyanophenyl	Me	H	F	F	H	H	F	H	nonaflo-2-butyl	H	F

Bảng 7 (11)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
7-4027	2-clopyriđin-3-yl	Me	H	F	F	H	H	F	H	nonaflo-2-butyl	H	F
7-4028	phenyl	Me	H	F	F	H	H	Cl	H	heptafloisopropyl	H	Cl
7-4048	3-xyanophenyl	Me	H	F	F	H	H	Cl	H	heptafloisopropyl	H	Cl
7-4049	4-xyanophenyl	Me	H	F	F	H	H	Cl	H	heptafloisopropyl	H	Cl
7-4064	2-clopyriđin-3-yl	Me	H	F	F	H	H	Cl	H	heptafloisopropyl	H	Cl
7-4106	phenyl	Me	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
7-4126	3-xyanophenyl	Me	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
7-4127	4-xyanophenyl	Me	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
7-4142	2-clopyriđin-3-yl	Me	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
7-4184	phenyl	Me	H	F	F	H	H	Br	H	heptafloisopropyl	H	Br
7-4204	3-xyanophenyl	Me	H	F	F	H	H	Br	H	heptafloisopropyl	H	Br
7-4205	4-xyanophenyl	Me	H	F	F	H	H	Br	H	heptafloisopropyl	H	Br
7-4220	2-clopyriđin-3-yl	Me	H	F	F	H	H	Br	H	heptafloisopropyl	H	Br
7-4262	phenyl	Me	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	Br
7-4282	3-xyanophenyl	Me	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	Br
7-4283	4-xyanophenyl	Me	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	Br
7-4298	2-clopyriđin-3-yl	Me	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	Br
7-4340	phenyl	Me	H	F	F	H	H	I	H	heptafloisopropyl	H	I
7-4360	3-xyanophenyl	Me	H	F	F	H	H	I	H	heptafloisopropyl	H	I
7-4361	4-xyanophenyl	Me	H	F	F	H	H	I	H	heptafloisopropyl	H	I
7-4376	2-clopyriđin-3-yl	Me	H	F	F	H	H	I	H	heptafloisopropyl	H	I
7-4418	phenyl	Me	H	F	F	H	H	I	H	nonaflo-2-butyl	H	I
7-4438	3-xyanophenyl	Me	H	F	F	H	H	I	H	nonaflo-2-butyl	H	I
7-4439	4-xyanophenyl	Me	H	F	F	H	H	I	H	nonaflo-2-butyl	H	I
7-4454	2-clopyriđin-3-yl	Me	H	F	F	H	H	I	H	nonaflo-2-butyl	H	I
7-4496	phenyl	Me	H	F	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
7-4516	3-xyanophenyl	Me	H	F	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
7-4517	4-xyanophenyl	Me	H	F	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
7-4532	2-clopyriđin-3-yl	Me	H	F	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
7-4574	phenyl	Me	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
7-4594	3-xyanophenyl	Me	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
7-4595	4-xyanophenyl	Me	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
7-4610	2-clopyriđin-3-yl	Me	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
7-4652	phenyl	Me	H	F	F	H	H	Br	H	heptafloisopropyl	H	OCF3
7-4672	3-xyanophenyl	Me	H	F	F	H	H	Br	H	heptafloisopropyl	H	OCF3

7-4673	4-xyanophenyl	Me	H	F	F	H	H	Br	H	heptafloisopropyl	H	OCF3
7-4688	2-clopyridin-3-yl	Me	H	F	F	H	H	Br	H	heptafloisopropyl	H	OCF3
7-4730	phenyl	Me	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
7-4750	3-xyanophenyl	Me	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
7-4751	4-xyanophenyl	Me	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
7-4766	2-clopyridin-3-yl	Me	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
7-4808	phenyl	Me	H	F	F	H	H	I	H	heptafloisopropyl	H	OCF3
7-4828	3-xyanophenyl	Me	H	F	F	H	H	I	H	heptafloisopropyl	H	OCF3
7-4829	4-xyanophenyl	Me	H	F	F	H	H	I	H	heptafloisopropyl	H	OCF3
7-4844	2-clopyridin-3-yl	Me	H	F	F	H	H	I	H	heptafloisopropyl	H	OCF3
7-4886	phenyl	Me	H	F	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
7-4906	3-xyanophenyl	Me	H	F	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
7-4907	4-xyanophenyl	Me	H	F	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
7-4922	2-clopyridin-3-yl	Me	H	F	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
7-4964	phenyl	Me	H	F	F	H	H	F	H	heptafloisopropyl	H	CF3
7-4965	phenyl	Me	H	F	F	H	H	Cl	H	heptafloisopropyl	H	CF3
7-4985	3-xyanophenyl	Me	H	F	F	H	H	Cl	H	heptafloisopropyl	H	CF3
7-4986	4-xyanophenyl	Me	H	F	F	H	H	Cl	H	heptafloisopropyl	H	CF3
7-5001	2-clopyridin-3-yl	Me	H	F	F	H	H	Cl	H	heptafloisopropyl	H	CF3
7-5043	phenyl	Me	H	F	F	H	H	F	H	nonaflo-2-butyl	H	CF3
7-5044	phenyl	Me	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
7-5064	3-xyanophenyl	Me	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
7-5065	4-xyanophenyl	Me	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
7-5080	2-clopyridin-3-yl	Me	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
7-5122	phenyl	Me	H	F	F	H	H	Br	H	heptafloisopropyl	H	CF3
7-5142	3-xyanophenyl	Me	H	F	F	H	H	Br	H	heptafloisopropyl	H	CF3
7-5143	4-xyanophenyl	Me	H	F	F	H	H	Br	H	heptafloisopropyl	H	CF3
7-5158	2-clopyridin-3-yl	Me	H	F	F	H	H	Br	H	heptafloisopropyl	H	CF3
7-5200	phenyl	Me	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	CF3

Bảng 7 (12)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
7-5220	3-xyanophenyl	Me	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-5221	4-xyanophenyl	Me	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-5236	2-clopyriđin-3-yl	Me	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
7-5278	phenyl	Me	H	F	F	H	H	I	H	heptafloisopropyl	H	CF3
7-5298	3-xyanophenyl	Me	H	F	F	H	H	I	H	heptafloisopropyl	H	CF3
7-5299	4-xyanophenyl	Me	H	F	F	H	H	I	H	heptafloisopropyl	H	CF3
7-5314	2-clopyriđin-3-yl	Me	H	F	F	H	H	I	H	heptafloisopropyl	H	CF3
7-5356	phenyl	Me	H	F	F	H	H	I	H	nonaflo-2-butyl	H	CF3
7-5376	3-xyanophenyl	Me	H	F	F	H	H	I	H	nonaflo-2-butyl	H	CF3
7-5377	4-xyanophenyl	Me	H	F	F	H	H	I	H	nonaflo-2-butyl	H	CF3
7-5392	2-clopyriđin-3-yl	Me	H	F	F	H	H	I	H	nonaflo-2-butyl	H	CF3
7-5434	phenyl	Me	H	F	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
7-5465	2-clopyriđin-3-yl	Me	H	F	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
7-5490	phenyl	Me	H	F	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
7-5521	2-clopyriđin-3-yl	Me	H	F	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
7-5546	phenyl	Me	H	F	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
7-5577	2-clopyriđin-3-yl	Me	H	F	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
7-5602	phenyl	Me	H	F	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
7-5633	2-clopyriđin-3-yl	Me	H	F	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
7-5658	phenyl	Me	H	F	F	H	H	CF3	H	heptafloisopropyl	H	CF3
7-5678	3-xyanophenyl	Me	H	F	F	H	H	CF3	H	heptafloisopropyl	H	CF3
7-5679	4-xyanophenyl	Me	H	F	F	H	H	CF3	H	heptafloisopropyl	H	CF3
7-5694	2-clopyriđin-3-yl	Me	H	F	F	H	H	CF3	H	heptafloisopropyl	H	CF3
7-5726	phenyl	Me	H	F	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
7-5746	3-xyanophenyl	Me	H	F	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3

7-5747	4-xyanophenyl	Me	H	F	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
7-5762	2-clopyriđin-3-yl	Me	H	F	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
7-5794	phenyl	Me	H	F	F	F	H	Cl	H	pentafloetyl	H	Cl
7-5795	phenyl	Me	H	F	F	F	H	Br	H	heptafloisopropyl	H	Br
7-5796	phenyl	Me	H	F	F	F	H	Br	H	heptafloisopropyl	H	OCF3
7-5797	phenyl	Me	H	F	F	F	H	I	H	heptafloisopropyl	H	CF3
7-5798	phenyl	Me	H	F	F	F	H	CF3	H	heptafloisopropyl	H	CF3
7-5799	phenyl	Me	H	F	F	F	H	I	H	nonaflo-2-butyl	H	I
7-5800	phenyl	Me	H	F	F	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
7-5801	phenyl	Me	H	F	F	F	H	Br	H	nonaflo-2-butyl	H	CF3
7-5802	phenyl	Me	H	F	F	F	H	CF3	H	nonaflo-2-butyl	H	CF3
7-5803	phenyl	Me	H	H	H	F	H	Cl	H	pentafloetyl	H	Cl
7-5804	phenyl	Me	H	H	H	F	H	Br	H	heptafloisopropyl	H	Br
7-5805	phenyl	Me	H	H	H	F	H	Br	H	heptafloisopropyl	H	OCF3
7-5806	phenyl	Me	H	H	H	F	H	I	H	heptafloisopropyl	H	CF3
7-5807	phenyl	Me	H	H	H	F	H	CF3	H	heptafloisopropyl	H	CF3
7-5808	phenyl	Me	H	H	H	F	H	I	H	nonaflo-2-butyl	H	I
7-5809	phenyl	Me	H	H	H	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
7-5810	phenyl	Me	H	H	H	F	H	Br	H	nonaflo-2-butyl	H	CF3
7-5811	phenyl	Me	H	H	H	F	H	CF3	H	nonaflo-2-butyl	H	CF3
7-5812	phenyl	Me	H	H	H	H	F	Cl	H	pentafloetyl	H	Cl
7-5813	phenyl	Me	H	H	H	H	F	Br	H	heptafloisopropyl	H	Br
7-5814	phenyl	Me	H	H	H	H	F	Br	H	heptafloisopropyl	H	OCF3
7-5815	phenyl	Me	H	H	H	H	F	I	H	heptafloisopropyl	H	CF3
7-5816	phenyl	Me	H	H	H	H	F	CF3	H	heptafloisopropyl	H	CF3
7-5817	phenyl	Me	H	H	H	H	F	I	H	nonaflo-2-butyl	H	I
7-5818	phenyl	Me	H	H	H	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
7-5819	phenyl	Me	H	H	H	H	F	Br	H	nonaflo-2-butyl	H	CF3
7-5820	phenyl	Me	H	H	H	H	F	CF3	H	nonaflo-2-butyl	H	CF3
7-5821	phenyl	Me	H	F	H	F	H	Cl	H	pentafloetyl	H	Cl
7-5822	phenyl	Me	H	F	H	F	H	Br	H	heptafloisopropyl	H	Br

7-5823	phenyl	Me	H	F	H	F	H	Br	H	heptafloisopropyl	H	OCF3
7-5824	phenyl	Me	H	F	H	F	H	I	H	heptafloisopropyl	H	CF3
7-5825	phenyl	Me	H	F	H	F	H	CF3	H	heptafloisopropyl	H	CF3
7-5826	phenyl	Me	H	F	H	F	H	I	H	nonaflo-2-butyl	H	I
7-5827	phenyl	Me	H	F	H	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
7-5828	phenyl	Me	H	F	H	F	H	Br	H	nonaflo-2-butyl	H	CF3
7-5829	phenyl	Me	H	F	H	F	H	CF3	H	nonaflo-2-butyl	H	CF3
7-5830	phenyl	Me	H	F	H	H	F	Cl	H	pentafloetyl	H	Cl

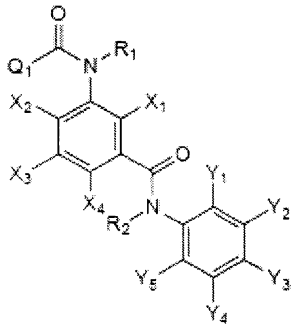
Bảng 7 (13)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
7-5831	phenyl	Me	H	F	H	H	F	Br	H	heptafloisopropyl	H	Br
7-5832	phenyl	Me	H	F	H	H	F	Br	H	heptafloisopropyl	H	OCF3
7-5833	phenyl	Me	H	F	H	H	F	I	H	heptafloisopropyl	H	CF3
7-5834	phenyl	Me	H	F	H	H	F	CF3	H	heptafloisopropyl	H	CF3
7-5835	phenyl	Me	H	F	H	H	F	I	H	nonaflo-2-butyl	H	I
7-5836	phenyl	Me	H	F	H	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
7-5837	phenyl	Me	H	F	H	H	F	Br	H	nonaflo-2-butyl	H	CF3
7-5838	phenyl	Me	H	F	H	H	F	CF3	H	nonaflo-2-butyl	H	CF3
7-5839	phenyl	Me	H	H	F	F	H	Cl	H	pentafloetyl	H	Cl
7-5840	phenyl	Me	H	H	F	F	H	Br	H	heptafloisopropyl	H	Br
7-5841	phenyl	Me	H	H	F	F	H	Br	H	heptafloisopropyl	H	OCF3
7-5842	phenyl	Me	H	H	F	F	H	I	H	heptafloisopropyl	H	CF3
7-5843	phenyl	Me	H	H	F	F	H	CF3	H	heptafloisopropyl	H	CF3
7-5844	phenyl	Me	H	H	F	F	H	I	H	nonaflo-2-butyl	H	I
7-5845	phenyl	Me	H	H	F	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
7-5846	phenyl	Me	H	H	F	F	H	Br	H	nonaflo-2-butyl	H	CF3
7-5847	phenyl	Me	H	H	F	F	H	CF3	H	nonaflo-2-butyl	H	CF3
7-5848	phenyl	Me	H	H	F	H	F	Cl	H	pentafloetyl	H	Cl
7-5849	phenyl	Me	H	H	F	H	F	Br	H	heptafloisopropyl	H	Br
7-5850	phenyl	Me	H	H	F	H	F	Br	H	heptafloisopropyl	H	OCF3
7-5851	phenyl	Me	H	H	F	H	F	I	H	heptafloisopropyl	H	CF3
7-5852	phenyl	Me	H	H	F	H	F	CF3	H	heptafloisopropyl	H	CF3
7-5853	phenyl	Me	H	H	F	H	F	I	H	nonaflo-2-butyl	H	I
7-5854	phenyl	Me	H	H	F	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
7-5855	phenyl	Me	H	H	F	H	F	Br	H	nonaflo-2-butyl	H	CF3
7-5856	phenyl	Me	H	H	F	H	F	CF3	H	nonaflo-2-butyl	H	CF3
7-5857	phenyl	Me	H	H	H	F	F	Cl	H	pentafloetyl	H	Cl
7-5858	phenyl	Me	H	H	H	F	F	Br	H	heptafloisopropyl	H	Br
7-5859	phenyl	Me	H	H	H	F	F	Br	H	heptafloisopropyl	H	OCF3
7-5860	phenyl	Me	H	H	H	F	F	I	H	heptafloisopropyl	H	CF3
7-5861	phenyl	Me	H	H	H	F	F	CF3	H	heptafloisopropyl	H	CF3
7-5862	phenyl	Me	H	H	H	F	F	I	H	nonaflo-2-butyl	H	I
7-5863	phenyl	Me	H	H	H	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
7-5864	phenyl	Me	H	H	H	F	F	Br	H	nonaflo-2-butyl	H	CF3

7-5865	phenyl	Me	H	H	H	F	F	CF3	H	nonaflo-2-butyl	H	CF3
7-5866	phenyl	Me	H	F	F	H	F	Cl	H	pentafloetyl	H	Cl
7-5867	phenyl	Me	H	F	F	H	F	Br	H	heptafloisopropyl	H	Br
7-5868	phenyl	Me	H	F	F	H	F	Br	H	heptafloisopropyl	H	OCF3
7-5869	phenyl	Me	H	F	F	H	F	I	H	heptafloisopropyl	H	CF3
7-5870	phenyl	Me	H	F	F	H	F	CF3	H	heptafloisopropyl	H	CF3
7-5871	phenyl	Me	H	F	F	H	F	I	H	nonaflo-2-butyl	H	I
7-5872	phenyl	Me	H	F	F	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
7-5873	phenyl	Me	H	F	F	H	F	Br	H	nonaflo-2-butyl	H	CF3
7-5874	phenyl	Me	H	F	F	H	F	CF3	H	nonaflo-2-butyl	H	CF3
7-5875	phenyl	Me	H	F	H	F	F	Cl	H	pentafloetyl	H	Cl
7-5876	phenyl	Me	H	F	H	F	F	Br	H	heptafloisopropyl	H	Br
7-5877	phenyl	Me	H	F	H	F	F	Br	H	heptafloisopropyl	H	OCF3
7-5878	phenyl	Me	H	F	H	F	F	I	H	heptafloisopropyl	H	CF3
7-5879	phenyl	Me	H	F	H	F	F	CF3	H	heptafloisopropyl	H	CF3
7-5880	phenyl	Me	H	F	H	F	F	I	H	nonaflo-2-butyl	H	I
7-5881	phenyl	Me	H	F	H	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
7-5882	phenyl	Me	H	F	H	F	F	Br	H	nonaflo-2-butyl	H	CF3
7-5883	phenyl	Me	H	F	H	F	F	CF3	H	nonaflo-2-butyl	H	CF3
7-5884	phenyl	Me	H	H	F	F	F	Cl	H	pentafloetyl	H	Cl
7-5885	phenyl	Me	H	H	F	F	F	Br	H	heptafloisopropyl	H	Br
7-5886	phenyl	Me	H	H	F	F	F	Br	H	heptafloisopropyl	H	OCF3
7-5887	phenyl	Me	H	H	F	F	F	I	H	heptafloisopropyl	H	CF3
7-5888	phenyl	Me	H	H	F	F	F	CF3	H	heptafloisopropyl	H	CF3
7-5889	phenyl	Me	H	H	F	F	F	I	H	nonaflo-2-butyl	H	I
7-5890	phenyl	Me	H	H	F	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
7-5891	phenyl	Me	H	H	F	F	F	Br	H	nonaflo-2-butyl	H	CF3
7-5892	phenyl	Me	H	H	F	F	F	CF3	H	nonaflo-2-butyl	H	CF3
7-5893	phenyl	Me	H	F	F	F	F	Cl	H	pentafloetyl	H	Cl

Bảng 7 (14)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
7-5894	phenyl	Me	H	F	F	F	F	Br	H	heptafloisopropyl	H	Br
7-5895	phenyl	Me	H	F	F	F	F	Br	H	heptafloisopropyl	H	OCF3
7-5896	phenyl	Me	H	F	F	F	F	I	H	heptafloisopropyl	H	CF3
7-5897	phenyl	Me	H	F	F	F	F	CF3	H	heptafloisopropyl	H	CF3
7-5898	phenyl	Me	H	F	F	F	F	I	H	nonaflo-2-butyl	H	I
7-5899	phenyl	Me	H	F	F	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
7-5900	phenyl	Me	H	F	F	F	F	Br	H	nonaflo-2-butyl	H	CF3
7-5901	phenyl	Me	H	F	F	F	F	CF3	H	nonaflo-2-butyl	H	CF3
7-5902	phenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	Br
7-5903	2-clopyriđin-3-yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	Br
7-5904	3-flophenyl	Me	H	H	H	H	H	I	H	nonaflo-2-butyl	H	I
7-5905	4-flophenyl	Me	H	H	H	H	H	I	H	nonaflo-2-butyl	H	I
7-5906	3-flophenyl	Me	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
7-5907	4-flophenyl	Me	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
7-5908	4-(metylsulfonyl) phenyl	Me	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-5909	pyrimiđin-5-yl	Me	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
7-5910	3-xyano-5-(metoxycarbonyl) phenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
7-5911	phenyl	Me	H	H	H	H	H	Br	H	pentafloetyl	H	CF3
7-5912	2-clopyriđin-3-yl	Me	H	H	H	H	H	Br	H	pentafloetyl	H	CF3



Bảng 8 (1)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
8-1	phenyl	H	Me	H	H	H	H	F	H	nonaflo-2-butyl	H	F
8-2	3-xyanophenyl	H	Me	H	H	H	H	F	H	nonaflo-2-butyl	H	F
8-3	4-xyanophenyl	H	Me	H	H	H	H	F	H	nonaflo-2-butyl	H	F
8-4	2-clopyriđin-3-yl	H	Me	H	H	H	H	F	H	nonaflo-2-butyl	H	F
8-5	phenyl	H	Me	H	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
8-12	3-xyanophenyl	H	Me	H	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
8-13	4-xyanophenyl	H	Me	H	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
8-24	2-clopyriđin-3-yl	H	Me	H	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
8-38	phenyl	H	Me	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
8-45	3-xyanophenyl	H	Me	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
8-46	4-xyanophenyl	H	Me	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
8-57	2-clopyriđin-3-yl	H	Me	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
8-71	phenyl	H	Me	H	H	H	H	I	H	nonaflo-2-butyl	H	I
8-78	3-xyanophenyl	H	Me	H	H	H	H	I	H	nonaflo-2-butyl	H	I
8-79	4-xyanophenyl	H	Me	H	H	H	H	I	H	nonaflo-2-butyl	H	I
8-90	2-clopyriđin-3-yl	H	Me	H	H	H	H	I	H	nonaflo-2-butyl	H	I
8-104	phenyl	H	Me	H	H	H	H	F	H	nonaflo-2-butyl	H	Cl
8-105	phenyl	H	Me	H	H	H	H	F	H	nonaflo-2-butyl	H	Br
8-106	phenyl	H	Me	H	H	H	H	F	H	nonaflo-2-butyl	H	I
8-107	phenyl	H	Me	H	H	H	H	Cl	H	nonaflo-2-butyl	H	Br
8-108	phenyl	H	Me	H	H	H	H	Cl	H	nonaflo-2-butyl	H	I
8-109	phenyl	H	Me	H	H	H	H	Br	H	nonaflo-2-butyl	H	I
8-110	phenyl	H	Me	H	H	H	H	F	H	heptafloisopropyl	H	CF3
8-111	phenyl	H	Me	H	H	H	H	Cl	H	heptafloisopropyl	H	CF3
8-131	3-xyanophenyl	H	Me	H	H	H	H	Cl	H	heptafloisopropyl	H	CF3
8-132	4-xyanophenyl	H	Me	H	H	H	H	Cl	H	heptafloisopropyl	H	CF3
8-147	2-clopyriđin-3-yl	H	Me	H	H	H	H	Cl	H	heptafloisopropyl	H	CF3
8-189	phenyl	H	Me	H	H	H	H	F	H	nonaflo-2-butyl	H	CF3
8-190	phenyl	H	Me	H	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3

8-210	3-xyanophenyl	H	Me	H	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
8-211	4-xyanophenyl	H	Me	H	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
8-226	2-clopyriđin-3-yl	H	Me	H	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
8-268	phenyl	H	Me	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
8-288	3-xyanophenyl	H	Me	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
8-289	4-xyanophenyl	H	Me	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
8-304	2-clopyriđin-3-yl	H	Me	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
8-305	2-brompyriđin-3-yl	H	Me	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
8-346	phenyl	H	Me	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
8-366	3-xyanophenyl	H	Me	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
8-367	4-xyanophenyl	H	Me	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
8-382	2-clopyriđin-3-yl	H	Me	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
8-424	phenyl	H	Me	H	H	H	H	I	H	heptafloisopropyl	H	CF3
8-444	3-xyanophenyl	H	Me	H	H	H	H	I	H	heptafloisopropyl	H	CF3
8-445	4-xyanophenyl	H	Me	H	H	H	H	I	H	heptafloisopropyl	H	CF3
8-460	2-clopyriđin-3-yl	H	Me	H	H	H	H	I	H	heptafloisopropyl	H	CF3
8-502	phenyl	H	Me	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
8-522	3-xyanophenyl	H	Me	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
8-523	4-xyanophenyl	H	Me	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
8-538	2-clopyriđin-3-yl	H	Me	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
8-580	phenyl	H	Me	H	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
8-611	2-clopyriđin-3-yl	H	Me	H	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
8-636	phenyl	H	Me	H	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
8-667	2-clopyriđin-3-yl	H	Me	H	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
8-692	phenyl	H	Me	H	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
8-723	2-clopyriđin-3-yl	H	Me	H	H	H	H	CF3	H	heptafloisopropyl	H	OCF3

Bảng 8 (2)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
8-748	phenyl	H	Me	H	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
8-779	2-clopyriđin-3-yl	H	Me	H	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
8-804	phenyl	H	Me	H	H	H	H	CF3	H	heptafloisopropyl	H	CF3
8-824	3-xyanophenyl	H	Me	H	H	H	H	CF3	H	heptafloisopropyl	H	CF3
8-825	4-xyanophenyl	H	Me	H	H	H	H	CF3	H	heptafloisopropyl	H	CF3
8-840	2-clopyriđin-3-yl	H	Me	H	H	H	H	CF3	H	heptafloisopropyl	H	CF3
8-841	2-brompyriđin-3-yl	H	Me	H	H	H	H	CF3	H	heptafloisopropyl	H	CF3
8-872	phenyl	H	Me	H	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
8-892	3-xyanophenyl	H	Me	H	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
8-893	4-xyanophenyl	H	Me	H	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
8-908	2-clopyriđin-3-yl	H	Me	H	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
8-940	phenyl	H	Me	F	H	H	H	F	H	heptafloisopropyl	H	F
8-941	3-xyanophenyl	H	Me	F	H	H	H	F	H	heptafloisopropyl	H	F
8-942	4-xyanophenyl	H	Me	F	H	H	H	F	H	heptafloisopropyl	H	F
8-943	2-clopyriđin-3-yl	H	Me	F	H	H	H	F	H	heptafloisopropyl	H	F
8-944	phenyl	H	Me	F	H	H	H	F	H	nonaflo-2-butyl	H	F
8-945	3-xyanophenyl	H	Me	F	H	H	H	F	H	nonaflo-2-butyl	H	F
8-946	4-xyanophenyl	H	Me	F	H	H	H	F	H	nonaflo-2-butyl	H	F
8-947	2-clopyriđin-3-yl	H	Me	F	H	H	H	F	H	nonaflo-2-butyl	H	F
8-948	phenyl	H	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	Cl
8-952	2-clophenyl	H	Me	F	H	H	H	F	H	heptafloisopropyl	H	Cl
8-956	3-bromphenyl	H	Me	F	H	H	H	F	H	heptafloisopropyl	H	Br
8-961	(2-triflometyl)	H	i-Pr	F	H	H	H	F	H	heptafloisopropyl	H	I
8-964	2-nitrophenyl	H	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	Br
8-968	3-xyanophenyl	H	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	Cl
8-969	4-xyanophenyl	H	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	Cl
8-970	2,6-điflophenyl	H	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	I
8-982	pyriđin-3-yl	H	Me	F	H	H	H	Br	H	heptafloisopropyl	H	I
8-984	2-clopyriđin-3-yl	H	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	Cl
8-1026	phenyl	H	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
8-1046	3-xyanophenyl	H	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
8-1047	4-xyanophenyl	H	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
8-1062	2-clopyriđin-3-yl	H	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
8-1104	phenyl	H	Me	F	H	H	H	Br	H	heptafloisopropyl	H	Br
8-1124	3-xyanophenyl	H	Me	F	H	H	H	Br	H	heptafloisopropyl	H	Br
8-1125	4-xyanophenyl	H	Me	F	H	H	H	Br	H	heptafloisopropyl	H	Br
8-1140	2-clopyriđin-3-yl	H	Me	F	H	H	H	Br	H	heptafloisopropyl	H	Br
8-1182	phenyl	H	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
8-1202	3-xyanophenyl	H	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br

8-1203	4-xyanophenyl	H	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
8-1218	2-clopyriđin-3-yl	H	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
8-1260	phenyl	H	Me	F	H	H	H	I	H	heptafloisopropyl	H	I
8-1280	3-xyanophenyl	H	Me	F	H	H	H	I	H	heptafloisopropyl	H	I
8-1281	4-xyanophenyl	H	Me	F	H	H	H	I	H	heptafloisopropyl	H	I
8-1296	2-clopyriđin-3-yl	H	Me	F	H	H	H	I	H	heptafloisopropyl	H	I
8-1338	phenyl	H	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	I
8-1358	3-xyanophenyl	H	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	I
8-1359	4-xyanophenyl	H	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	I
8-1374	2-clopyriđin-3-yl	H	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	I
8-1416	phenyl	H	Me	F	H	H	H	F	H	heptafloisopropyl	H	CF3
8-1417	phenyl	H	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
8-1431	(3-triflometyl)	H	Et	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
8-1437	3-xyanophenyl	H	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
8-1438	4-xyanophenyl	H	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
8-1442	2-clo-4-flophenyl	H	n-Pr	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
8-1453	2-clopyriđin-3-yl	H	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
8-1459	6-flopyriđin-3-yl	H	i-Pr	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
8-1475	4-brompyriđin-3-yl	H	CH2CH = CH2	F	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
8-1482	pyriđin-4-yl	H	CN	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
8-1495	phenyl	H	Me	F	H	H	H	F	H	nonaflo-2-butyl	H	CF3
8-1496	phenyl	H	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
8-1504	3-bromphenyl	H	CH2C≡ CH	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
8-1511	(4-triflometyl)	H	NH2	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
8-1516	3-xyanophenyl	H	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3

Bảng 8 (3)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
8-1517	4-xyanophenyl	H	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
8-1524	2-brom-4-clophenyl	H	C(O)OMe	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
8-1532	2-clopyriđin-3-yl	H	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
8-1545	5-flopyriđin-3-yl	H	C(O)OEt	F	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
8-1554	4-brompyriđin-3-yl	H	C(O)C(O)Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
8-1557	4-nitropyriđin-3-yl	H	C(O)C(O)Et	F	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
8-1571	5-iođopyriđin-2-yl	H	C(O)Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
8-1573	4-xyanopyriđin-2-yl	H	C(O)Et	F	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
8-1574	phenyl	H	Me	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
8-1588	(3-triflometyl) phenyl	H	S(O)2Me	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
8-1594	3-xyanophenyl	H	Me	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
8-1595	4-xyanophenyl	H	Me	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
8-1606	4-xyano-2-flophenyl	H	S(O)2Et	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
8-1610	2-clopyriđin-3-yl	H	Me	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
8-1621	6-nitropyriđin-3-yl	H	CH2Ph	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
8-1630	4-flopyriđin-3-yl	H	CH2(3-Py)	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
8-1651	4-xyanopyriđin-2-yl	H	CH2(3-Py-N-oxit)	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
8-1652	phenyl	H	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
8-1672	3-xyanophenyl	H	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
8-1673	4-xyanophenyl	H	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
8-1679	4-brom-2-clophenyl	H	Et	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3

8-1688	2-clopyriđin-3-yl	H	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
8-1705	5-(triflometyl) pyriđin-3-yl	H	CN	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
8-1730	phenyl	H	Me	F	H	H	H	I	H	heptafloisopropyl	H	CF3
8-1750	3-xyanophenyl	H	Me	F	H	H	H	I	H	heptafloisopropyl	H	CF3
8-1751	4-xyanophenyl	H	Me	F	H	H	H	I	H	heptafloisopropyl	H	CF3
8-1766	2-clopyriđin-3-yl	H	Me	F	H	H	H	I	H	heptafloisopropyl	H	CF3
8-1779	5-flopyriđin-3-yl	H	C(O)Me	F	H	H	H	I	H	heptafloisopropyl	H	CF3
8-1808	phenyl	H	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
8-1828	3-xyanophenyl	H	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
8-1829	4-xyanophenyl	H	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
8-1844	2-clopyriđin-3-yl	H	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
8-1886	phenyl	H	Me	F	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
8-1901	3-xyanophenyl	H	Me	F	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
8-1902	4-xyanophenyl	H	Me	F	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
8-1917	2-clopyriđin-3-yl	H	Me	F	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
8-1942	phenyl	H	Me	F	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
8-1957	3-xyanophenyl	H	Me	F	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
8-1958	4-xyanophenyl	H	Me	F	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
8-1973	2-clopyriđin-3-yl	H	Me	F	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
8-1998	phenyl	H	Me	F	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
8-2013	3-xyanophenyl	H	Me	F	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
8-2014	4-xyanophenyl	H	Me	F	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
8-2029	2-clopyriđin-3-yl	H	Me	F	H	H	H	CF3	H	heptafloisopropyl	H	OCF3

8-2054	phenyl	H	Me	F	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
8-2069	3-xyanophenyl	H	Me	F	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
8-2070	4-xyanophenyl	H	Me	F	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
8-2085	2-clopyriđin-3-yl	H	Me	F	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
8-2110	phenyl	H	Me	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
8-2130	3-xyanophenyl	H	Me	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
8-2131	4-xyanophenyl	H	Me	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
8-2146	2-clopyriđin-3-yl	H	Me	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
8-2178	phenyl	H	Me	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
8-2198	3-xyanophenyl	H	Me	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
8-2199	4-xyanophenyl	H	Me	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
8-2214	2-clopyriđin-3-yl	H	Me	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
8-2246	phenyl	H	Me	H	F	H	H	F	H	heptafloisopropyl	H	F
8-2247	3-xyanophenyl	H	Me	H	F	H	H	F	H	heptafloisopropyl	H	F
8-2248	4-xyanophenyl	H	Me	H	F	H	H	F	H	heptafloisopropyl	H	F
8-2249	2-clopyriđin-3-yl	H	Me	H	F	H	H	F	H	heptafloisopropyl	H	F
8-2250	phenyl	H	Me	H	F	H	H	F	H	nonaflo-2-butyl	H	F
8-2251	3-xyanophenyl	H	Me	H	F	H	H	F	H	nonaflo-2-butyl	H	F
8-2252	4-xyanophenyl	H	Me	H	F	H	H	F	H	nonaflo-2-butyl	H	F
8-2253	2-clopyriđin-3-yl	H	Me	H	F	H	H	F	H	nonaflo-2-butyl	H	F

Bảng 8 (4)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
8-2254	phenyl	H	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	Cl
8-2274	3-xyanophenyl	H	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	Cl
8-2275	4-xyanophenyl	H	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	Cl
8-2290	2-clopyriđin-3-yl	H	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	Cl
8-2332	phenyl	H	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
8-2352	3-xyanophenyl	H	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
8-2353	4-xyanophenyl	H	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
8-2368	2-clopyriđin-3-yl	H	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
8-2410	phenyl	H	Me	H	F	H	H	Br	H	heptafloisopropyl	H	Br
8-2430	3-xyanophenyl	H	Me	H	F	H	H	Br	H	heptafloisopropyl	H	Br
8-2431	4-xyanophenyl	H	Me	H	F	H	H	Br	H	heptafloisopropyl	H	Br
8-2446	2-clopyriđin-3-yl	H	Me	H	F	H	H	Br	H	heptafloisopropyl	H	Br
8-2488	phenyl	H	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	Br
8-2508	3-xyanophenyl	H	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	Br
8-2509	4-xyanophenyl	H	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	Br
8-2524	2-clopyriđin-3-yl	H	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	Br
8-2566	phenyl	H	Me	H	F	H	H	I	H	heptafloisopropyl	H	I
8-2586	3-xyanophenyl	H	Me	H	F	H	H	I	H	heptafloisopropyl	H	I
8-2587	4-xyanophenyl	H	Me	H	F	H	H	I	H	heptafloisopropyl	H	I
8-2602	2-clopyriđin-3-yl	H	Me	H	F	H	H	I	H	heptafloisopropyl	H	I
8-2644	phenyl	H	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	I
8-2664	3-xyanophenyl	H	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	I
8-2665	4-xyanophenyl	H	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	I
8-2680	2-clopyriđin-3-yl	H	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	I
8-2722	phenyl	H	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
8-2742	3-xyanophenyl	H	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
8-2743	4-xyanophenyl	H	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
8-2758	2-clopyriđin-3-yl	H	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
8-2800	phenyl	H	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
8-2820	3-xyanophenyl	H	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
8-2821	4-xyanophenyl	H	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
8-2836	2-clopyriđin-3-yl	H	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
8-2878	phenyl	H	Me	H	F	H	H	Br	H	heptafloisopropyl	H	OCF3
8-2898	3-xyanophenyl	H	Me	H	F	H	H	Br	H	heptafloisopropyl	H	OCF3
8-2899	4-xyanophenyl	H	Me	H	F	H	H	Br	H	heptafloisopropyl	H	OCF3
8-2914	2-clopyriđin-3-yl	H	Me	H	F	H	H	Br	H	heptafloisopropyl	H	OCF3
8-2956	phenyl	H	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
8-2976	3-xyanophenyl	H	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
8-2977	4-xyanophenyl	H	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3

8-2992	2-clopyriđin-3-yl	H	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
8-3034	phenyl	H	Me	H	F	H	H	I	H	heptafloisopropyl	H	OCF3
8-3054	3-xyanophenyl	H	Me	H	F	H	H	I	H	heptafloisopropyl	H	OCF3
8-3055	4-xyanophenyl	H	Me	H	F	H	H	I	H	heptafloisopropyl	H	OCF3
8-3070	2-clopyriđin-3-yl	H	Me	H	F	H	H	I	H	heptafloisopropyl	H	OCF3
8-3112	phenyl	H	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
8-3132	3-xyanophenyl	H	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
8-3133	4-xyanophenyl	H	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
8-3148	2-clopyriđin-3-yl	H	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
8-3190	phenyl	H	Me	H	F	H	H	F	H	heptafloisopropyl	H	CF3
8-3191	phenyl	H	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	CF3
8-3211	3-xyanophenyl	H	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	CF3
8-3212	4-xyanophenyl	H	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	CF3
8-3227	2-clopyriđin-3-yl	H	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	CF3
8-3269	phenyl	H	Me	H	F	H	H	F	H	nonaflo-2-butyl	H	CF3
8-3270	phenyl	H	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
8-3290	3-xyanophenyl	H	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
8-3291	4-xyanophenyl	H	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
8-3306	2-clopyriđin-3-yl	H	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
8-3348	phenyl	H	Me	H	F	H	H	Br	H	heptafloisopropyl	H	CF3
8-3368	3-xyanophenyl	H	Me	H	F	H	H	Br	H	heptafloisopropyl	H	CF3
8-3369	4-xyanophenyl	H	Me	H	F	H	H	Br	H	heptafloisopropyl	H	CF3
8-3384	2-clopyriđin-3-yl	H	Me	H	F	H	H	Br	H	heptafloisopropyl	H	CF3
8-3426	phenyl	H	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
8-3446	3-xyanophenyl	H	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
8-3447	4-xyanophenyl	H	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	CF3

Bảng 8 (5)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
8-3462	2-clopyriđin-3-yl	H	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
8-3504	phenyl	H	Me	H	F	H	H	I	H	heptafloisopropyl	H	CF3
8-3524	3-xyanophenyl	H	Me	H	F	H	H	I	H	heptafloisopropyl	H	CF3
8-3525	4-xyanophenyl	H	Me	H	F	H	H	I	H	heptafloisopropyl	H	CF3
8-3540	2-clopyriđin-3-yl	H	Me	H	F	H	H	I	H	heptafloisopropyl	H	CF3
8-3582	phenyl	H	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	CF3
8-3602	3-xyanophenyl	H	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	CF3
8-3603	4-xyanophenyl	H	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	CF3
8-3618	2-clopyriđin-3-yl	H	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	CF3
8-3660	phenyl	H	Me	H	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
8-3691	2-clopyriđin-3-yl	H	Me	H	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
8-3716	phenyl	H	Me	H	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
8-3747	2-clopyriđin-3-yl	H	Me	H	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
8-3772	phenyl	H	Me	H	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
8-3803	2-clopyriđin-3-yl	H	Me	H	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
8-3828	phenyl	H	Me	H	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
8-3859	2-clopyriđin-3-yl	H	Me	H	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
8-3884	phenyl	H	Me	H	F	H	H	CF3	H	heptafloisopropyl	H	CF3
8-3904	3-xyanophenyl	H	Me	H	F	H	H	CF3	H	heptafloisopropyl	H	CF3
8-3905	4-xyanophenyl	H	Me	H	F	H	H	CF3	H	heptafloisopropyl	H	CF3
8-3920	2-clopyriđin-3-yl	H	Me	H	F	H	H	CF3	H	heptafloisopropyl	H	CF3
8-3952	phenyl	H	Me	H	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
8-3972	3-xyanophenyl	H	Me	H	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
8-3973	4-xyanophenyl	H	Me	H	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
8-3988	2-clopyriđin-3-yl	H	Me	H	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
8-4020	phenyl	H	Me	F	F	H	H	F	H	heptafloisopropyl	H	F
8-4021	3-xyanophenyl	H	Me	F	F	H	H	F	H	heptafloisopropyl	H	F
8-4022	4-xyanophenyl	H	Me	F	F	H	H	F	H	heptafloisopropyl	H	F

8-4023	2-clopyriđin-3-yl	H	Me	F	F	H	H	F	H	heptafloisopropyl	H	F
8-4024	phenyl	H	Me	F	F	H	H	F	H	nonaflo-2-butyl	H	F
8-4025	3-xyanophenyl	H	Me	F	F	H	H	F	H	nonaflo-2-butyl	H	F
8-4026	4-xyanophenyl	H	Me	F	F	H	H	F	H	nonaflo-2-butyl	H	F
8-4027	2-clopyriđin-3-yl	H	Me	F	F	H	H	F	H	nonaflo-2-butyl	H	F
8-4028	phenyl	H	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	Cl
8-4048	3-xyanophenyl	H	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	Cl
8-4049	4-xyanophenyl	H	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	Cl
8-4064	2-clopyriđin-3-yl	H	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	Cl
8-4106	phenyl	H	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
8-4126	3-xyanophenyl	H	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
8-4127	4-xyanophenyl	H	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
8-4142	2-clopyriđin-3-yl	H	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
8-4184	phenyl	H	Me	F	F	H	H	Br	H	heptafloisopropyl	H	Br
8-4204	3-xyanophenyl	H	Me	F	F	H	H	Br	H	heptafloisopropyl	H	Br
8-4205	4-xyanophenyl	H	Me	F	F	H	H	Br	H	heptafloisopropyl	H	Br
8-4220	2-clopyriđin-3-yl	H	Me	F	F	H	H	Br	H	heptafloisopropyl	H	Br
8-4262	phenyl	H	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	Br
8-4282	3-xyanophenyl	H	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	Br
8-4283	4-xyanophenyl	H	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	Br
8-4298	2-clopyriđin-3-yl	H	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	Br
8-4340	phenyl	H	Me	F	F	H	H	I	H	heptafloisopropyl	H	I
8-4360	3-xyanophenyl	H	Me	F	F	H	H	I	H	heptafloisopropyl	H	I
8-4361	4-xyanophenyl	H	Me	F	F	H	H	I	H	heptafloisopropyl	H	I
8-4376	2-clopyriđin-3-yl	H	Me	F	F	H	H	I	H	heptafloisopropyl	H	I
8-4418	phenyl	H	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	I
8-4438	3-xyanophenyl	H	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	I
8-4439	4-xyanophenyl	H	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	I
8-4454	2-clopyriđin-3-yl	H	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	I

8-4496	phenyl	H	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
8-4516	3-xyanophenyl	H	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
8-4517	4-xyanophenyl	H	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
8-4532	2-clopyriđin-3-yl	H	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
8-4574	phenyl	H	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
8-4594	3-xyanophenyl	H	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
8-4595	4-xyanophenyl	H	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3

Bảng 8 (6)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
8-4610	2-clopyriđin-3-yl	H	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
8-4652	phenyl	H	Me	F	F	H	H	Br	H	heptafloisopropyl	H	OCF3
8-4672	3-xyanophenyl	H	Me	F	F	H	H	Br	H	heptafloisopropyl	H	OCF3
8-4673	4-xyanophenyl	H	Me	F	F	H	H	Br	H	heptafloisopropyl	H	OCF3
8-4688	2-clopyriđin-3-yl	H	Me	F	F	H	H	Br	H	heptafloisopropyl	H	OCF3
8-4730	phenyl	H	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
8-4750	3-xyanophenyl	H	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
8-4751	4-xyanophenyl	H	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
8-4808	phenyl	H	Me	F	F	H	H	I	H	heptafloisopropyl	H	OCF3
8-4828	3-xyanophenyl	H	Me	F	F	H	H	I	H	heptafloisopropyl	H	OCF3
8-4829	4-xyanophenyl	H	Me	F	F	H	H	I	H	heptafloisopropyl	H	OCF3
8-4844	2-clopyriđin-3-yl	H	Me	F	F	H	H	I	H	heptafloisopropyl	H	OCF3
8-4886	phenyl	H	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
8-4906	3-xyanophenyl	H	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
8-4907	4-xyanophenyl	H	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
8-4922	2-clopyriđin-3-yl	H	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
8-4964	phenyl	H	Me	F	F	H	H	F	H	heptafloisopropyl	H	CF3
8-4965	phenyl	H	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	CF3
8-4985	3-xyanophenyl	H	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	CF3
8-4986	4-xyanophenyl	H	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	CF3
8-5001	2-clopyriđin-3-yl	H	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	CF3
8-5043	phenyl	H	Me	F	F	H	H	F	H	nonaflo-2-butyl	H	CF3
8-5044	phenyl	H	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
8-5064	3-xyanophenyl	H	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
8-5065	4-xyanophenyl	H	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
8-5080	2-clopyriđin-3-yl	H	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
8-5122	phenyl	H	Me	F	F	H	H	Br	H	heptafloisopropyl	H	CF3
8-5142	3-xyanophenyl	H	Me	F	F	H	H	Br	H	heptafloisopropyl	H	CF3

8-5143	4-xyanophenyl	H	Me	F	F	H	H	Br	H	heptafloisopropyl	H	CF3
8-5158	2-clopyriđin-3-yl	H	Me	F	F	H	H	Br	H	heptafloisopropyl	H	CF3
8-5200	phenyl	H	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
8-5220	3-xyanophenyl	H	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
8-5221	4-xyanophenyl	H	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
8-5236	2-clopyriđin-3-yl	H	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
8-5278	phenyl	H	Me	F	F	H	H	I	H	heptafloisopropyl	H	CF3
8-5298	3-xyanophenyl	H	Me	F	F	H	H	I	H	heptafloisopropyl	H	CF3
8-5299	4-xyanophenyl	H	Me	F	F	H	H	I	H	heptafloisopropyl	H	CF3
8-5314	2-clopyriđin-3-yl	H	Me	F	F	H	H	I	H	heptafloisopropyl	H	CF3
8-5356	phenyl	H	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	CF3
8-5376	3-xyanophenyl	H	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	CF3
8-5377	4-xyanophenyl	H	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	CF3
8-5392	2-clopyriđin-3-yl	H	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	CF3
8-5434	phenyl	H	Me	F	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
8-5465	2-clopyriđin-3-yl	H	Me	F	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
8-5490	phenyl	H	Me	F	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
8-5521	2-clopyriđin-3-yl	H	Me	F	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
8-5546	phenyl	H	Me	F	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
8-5577	2-clopyriđin-3-yl	H	Me	F	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
8-5602	phenyl	H	Me	F	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
8-5633	2-clopyriđin-3-yl	H	Me	F	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
8-5678	3-xyanophenyl	H	Me	F	F	H	H	CF3	H	heptafloisopropyl	H	CF3
8-5679	4-xyanophenyl	H	Me	F	F	H	H	CF3	H	heptafloisopropyl	H	CF3
8-5694	2-clopyriđin-3-yl	H	Me	F	F	H	H	CF3	H	heptafloisopropyl	H	CF3
8-5726	phenyl	H	Me	F	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
8-5746	3-xyanophenyl	H	Me	F	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
8-5747	4-xyanophenyl	H	Me	F	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
8-5762	2-clopyriđin-3-yl	H	Me	F	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
8-5794	phenyl	H	Me	F	F	F	H	Cl	H	pentafloetyl	H	Cl

8-5795	phenyl	H	Me	F	F	F	H	Br	H	heptafloisopropyl	H	Br
8-5796	phenyl	H	Me	F	F	F	H	Br	H	heptafloisopropyl	H	OCF3
8-5797	phenyl	H	Me	F	F	F	H	I	H	heptafloisopropyl	H	CF3
8-5798	phenyl	H	Me	F	F	F	H	CF3	H	heptafloisopropyl	H	CF3
8-5799	phenyl	H	Me	F	F	F	H	I	H	nonaflo-2-butyl	H	I
8-5800	phenyl	H	Me	F	F	F	H	Cl	H	nonaflo-2-butyl	H	OCF3

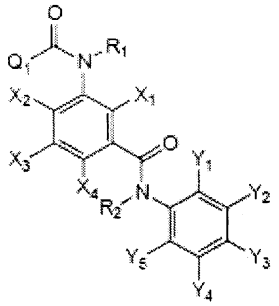
Bảng 8 (7)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
8-5801	phenyl	H	Me	F	F	F	H	Br	H	nonaflo-2-butyl	H	CF3
8-5802	phenyl	H	Me	F	F	F	H	CF3	H	nonaflo-2-butyl	H	CF3
8-5803	phenyl	H	Me	H	H	F	H	Cl	H	pentafloetyl	H	Cl
8-5804	phenyl	H	Me	H	H	F	H	Br	H	heptafloisopropyl	H	Br
8-5805	phenyl	H	Me	H	H	F	H	Br	H	heptafloisopropyl	H	OCF3
8-5806	phenyl	H	Me	H	H	F	H	I	H	heptafloisopropyl	H	CF3
8-5807	phenyl	H	Me	H	H	F	H	CF3	H	heptafloisopropyl	H	CF3
8-5808	phenyl	H	Me	H	H	F	H	I	H	nonaflo-2-butyl	H	I
8-5809	phenyl	H	Me	H	H	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
8-5810	phenyl	H	Me	H	H	F	H	Br	H	nonaflo-2-butyl	H	CF3
8-5811	phenyl	H	Me	H	H	F	H	CF3	H	nonaflo-2-butyl	H	CF3
8-5812	phenyl	H	Me	H	H	H	F	Cl	H	pentafloetyl	H	Cl
8-5813	phenyl	H	Me	H	H	H	F	Br	H	heptafloisopropyl	H	Br
8-5814	phenyl	H	Me	H	H	H	F	Br	H	heptafloisopropyl	H	OCF3
8-5815	phenyl	H	Me	H	H	H	F	I	H	heptafloisopropyl	H	CF3
8-5816	phenyl	H	Me	H	H	H	F	CF3	H	heptafloisopropyl	H	CF3
8-5817	phenyl	H	Me	H	H	H	F	I	H	nonaflo-2-butyl	H	I
8-5818	phenyl	H	Me	H	H	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
8-5819	phenyl	H	Me	H	H	H	F	Br	H	nonaflo-2-butyl	H	CF3
8-5820	phenyl	H	Me	H	H	H	F	CF3	H	nonaflo-2-butyl	H	CF3
8-5821	phenyl	H	Me	F	H	F	H	Cl	H	pentafloetyl	H	Cl
8-5822	phenyl	H	Me	F	H	F	H	Br	H	heptafloisopropyl	H	Br
8-5823	phenyl	H	Me	F	H	F	H	Br	H	heptafloisopropyl	H	OCF3
8-5824	phenyl	H	Me	F	H	F	H	I	H	heptafloisopropyl	H	CF3
8-5825	phenyl	H	Me	F	H	F	H	CF3	H	heptafloisopropyl	H	CF3
8-5826	phenyl	H	Me	F	H	F	H	I	H	nonaflo-2-butyl	H	I
8-5827	phenyl	H	Me	F	H	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
8-5828	phenyl	H	Me	F	H	F	H	Br	H	nonaflo-2-butyl	H	CF3
8-5829	phenyl	H	Me	F	H	F	H	CF3	H	nonaflo-2-butyl	H	CF3
8-5830	phenyl	H	Me	F	H	H	F	Cl	H	pentafloetyl	H	Cl
8-5831	phenyl	H	Me	F	H	H	F	Br	H	heptafloisopropyl	H	Br
8-5832	phenyl	H	Me	F	H	H	F	Br	H	heptafloisopropyl	H	OCF3
8-5833	phenyl	H	Me	F	H	H	F	I	H	heptafloisopropyl	H	CF3
8-5834	phenyl	H	Me	F	H	H	F	CF3	H	heptafloisopropyl	H	CF3
8-5835	phenyl	H	Me	F	H	H	F	I	H	nonaflo-2-butyl	H	I
8-5836	phenyl	H	Me	F	H	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
8-5837	phenyl	H	Me	F	H	H	F	Br	H	nonaflo-2-butyl	H	CF3
8-5838	phenyl	H	Me	F	H	H	F	CF3	H	nonaflo-2-butyl	H	CF3
8-5839	phenyl	H	Me	H	F	F	H	Cl	H	pentafloetyl	H	Cl

8-5840	phenyl	H	Me	H	F	F	H	Br	H	heptafloisopropyl	H	Br
8-5841	phenyl	H	Me	H	F	F	H	Br	H	heptafloisopropyl	H	OCF3
8-5842	phenyl	H	Me	H	F	F	H	I	H	heptafloisopropyl	H	CF3
8-5843	phenyl	H	Me	H	F	F	H	CF3	H	heptafloisopropyl	H	CF3
8-5844	phenyl	H	Me	H	F	F	H	I	H	nonaflo-2-butyl	H	I
8-5845	phenyl	H	Me	H	F	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
8-5846	phenyl	H	Me	H	F	F	H	Br	H	nonaflo-2-butyl	H	CF3
8-5847	phenyl	H	Me	H	F	F	H	CF3	H	nonaflo-2-butyl	H	CF3
8-5848	phenyl	H	Me	H	F	H	F	Cl	H	pentafloetyl	H	Cl
8-5849	phenyl	H	Me	H	F	H	F	Br	H	heptafloisopropyl	H	Br
8-5850	phenyl	H	Me	H	F	H	F	Br	H	heptafloisopropyl	H	OCF3
8-5851	phenyl	H	Me	H	F	H	F	I	H	heptafloisopropyl	H	CF3
8-5852	phenyl	H	Me	H	F	H	F	CF3	H	heptafloisopropyl	H	CF3
8-5853	phenyl	H	Me	H	F	H	F	I	H	nonaflo-2-butyl	H	I
8-5854	phenyl	H	Me	H	F	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
8-5855	phenyl	H	Me	H	F	H	F	Br	H	nonaflo-2-butyl	H	CF3
8-5856	phenyl	H	Me	H	F	H	F	CF3	H	nonaflo-2-butyl	H	CF3
8-5857	phenyl	H	Me	H	H	F	F	Cl	H	pentafloetyl	H	Cl
8-5858	phenyl	H	Me	H	H	F	F	Br	H	heptafloisopropyl	H	Br
8-5859	phenyl	H	Me	H	H	F	F	Br	H	heptafloisopropyl	H	OCF3
8-5860	phenyl	H	Me	H	H	F	F	I	H	heptafloisopropyl	H	CF3
8-5861	phenyl	H	Me	H	H	F	F	CF3	H	heptafloisopropyl	H	CF3
8-5862	phenyl	H	Me	H	H	F	F	I	H	nonaflo-2-butyl	H	I
8-5863	phenyl	H	Me	H	H	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
8-5864	phenyl	H	Me	H	H	F	F	Br	H	nonaflo-2-butyl	H	CF3

Bảng 8 (8)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
8-5865	phenyl	H	Me	H	H	F	F	CF3	H	nonaflo-2-butyl	H	CF3
8-5866	phenyl	H	Me	F	F	H	F	Cl	H	pentafloetyl	H	Cl
8-5867	phenyl	H	Me	F	F	H	F	Br	H	heptafloisopropyl	H	Br
8-5868	phenyl	H	Me	F	F	H	F	Br	H	heptafloisopropyl	H	OCF3
8-5869	phenyl	H	Me	F	F	H	F	I	H	heptafloisopropyl	H	CF3
8-5870	phenyl	H	Me	F	F	H	F	CF3	H	heptafloisopropyl	H	CF3
8-5871	phenyl	H	Me	F	F	H	F	I	H	nonaflo-2-butyl	H	I
8-5872	phenyl	H	Me	F	F	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
8-5873	phenyl	H	Me	F	F	H	F	Br	H	nonaflo-2-butyl	H	CF3
8-5874	phenyl	H	Me	F	F	H	F	CF3	H	nonaflo-2-butyl	H	CF3
8-5875	phenyl	H	Me	F	H	F	F	Cl	H	pentafloetyl	H	Cl
8-5876	phenyl	H	Me	F	H	F	F	Br	H	heptafloisopropyl	H	Br
8-5877	phenyl	H	Me	F	H	F	F	Br	H	heptafloisopropyl	H	OCF3
8-5878	phenyl	H	Me	F	H	F	F	I	H	heptafloisopropyl	H	CF3
8-5879	phenyl	H	Me	F	H	F	F	CF3	H	heptafloisopropyl	H	CF3
8-5880	phenyl	H	Me	F	H	F	F	I	H	nonaflo-2-butyl	H	I
8-5881	phenyl	H	Me	F	H	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
8-5882	phenyl	H	Me	F	H	F	F	Br	H	nonaflo-2-butyl	H	CF3
8-5883	phenyl	H	Me	F	H	F	F	CF3	H	nonaflo-2-butyl	H	CF3
8-5884	phenyl	H	Me	H	F	F	F	Cl	H	pentafloetyl	H	Cl
8-5885	phenyl	H	Me	H	F	F	F	Br	H	heptafloisopropyl	H	Br
8-5886	phenyl	H	Me	H	F	F	F	Br	H	heptafloisopropyl	H	OCF3
8-5887	phenyl	H	Me	H	F	F	F	I	H	heptafloisopropyl	H	CF3
8-5888	phenyl	H	Me	H	F	F	F	CF3	H	heptafloisopropyl	H	CF3
8-5889	phenyl	H	Me	H	F	F	F	I	H	nonaflo-2-butyl	H	I
8-5890	phenyl	H	Me	H	F	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
8-5891	phenyl	H	Me	H	F	F	F	Br	H	nonaflo-2-butyl	H	CF3
8-5892	phenyl	H	Me	H	F	F	F	CF3	H	nonaflo-2-butyl	H	CF3
8-5893	phenyl	H	Me	F	F	F	F	Cl	H	pentafloetyl	H	Cl
8-5894	phenyl	H	Me	F	F	F	F	Br	H	heptafloisopropyl	H	Br
8-5895	phenyl	H	Me	F	F	F	F	Br	H	heptafloisopropyl	H	OCF3
8-5896	phenyl	H	Me	F	F	F	F	I	H	heptafloisopropyl	H	CF3
8-5897	phenyl	H	Me	F	F	F	F	CF3	H	heptafloisopropyl	H	CF3
8-5898	phenyl	H	Me	F	F	F	F	I	H	nonaflo-2-butyl	H	I
8-5899	phenyl	H	Me	F	F	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
8-5900	phenyl	H	Me	F	F	F	F	Br	H	nonaflo-2-butyl	H	CF3
8-5901	phenyl	H	Me	F	F	F	F	CF3	H	nonaflo-2-butyl	H	CF3



Bảng 9 (1)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
9-1	phenyl	Me	Me	H	H	H	H	F	H	nonaflo-2-butyl	H	F
9-2	3-xyanophenyl	Me	Me	H	H	H	H	F	H	nonaflo-2-butyl	H	F
9-3	4-xyanophenyl	Me	Me	H	H	H	H	F	H	nonaflo-2-butyl	H	F
9-4	2-clopyriđin-3-yl	Me	Me	H	H	H	H	F	H	nonaflo-2-butyl	H	F
9-5	phenyl	Me	Me	H	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
9-12	3-xyanophenyl	Me	Me	H	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
9-13	4-xyanophenyl	Me	Me	H	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
9-24	2-clopyriđin-3-yl	Me	Me	H	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
9-38	phenyl	Me	Me	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
9-45	3-xyanophenyl	Me	Me	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
9-46	4-xyanophenyl	Me	Me	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
9-57	2-clopyriđin-3-yl	Me	Me	H	H	H	H	Br	H	nonaflo-2-butyl	H	Br
9-71	phenyl	Me	Me	H	H	H	H	I	H	nonaflo-2-butyl	H	I
9-78	3-xyanophenyl	Me	Me	H	H	H	H	I	H	nonaflo-2-butyl	H	I
9-79	4-xyanophenyl	Me	Me	H	H	H	H	I	H	nonaflo-2-butyl	H	I
9-90	2-clopyriđin-3-yl	Me	Me	H	H	H	H	I	H	nonaflo-2-butyl	H	I
9-109	phenyl	Me	Me	H	H	H	H	Cl	H	nonaflo-2-butyl	H	Br
9-112	phenyl	Me	Me	H	H	H	H	F	H	heptafloisopropyl	H	CF3
9-113	phenyl	Me	Me	H	H	H	H	Cl	H	heptafloisopropyl	H	CF3
9-133	3-xyanophenyl	Me	Me	H	H	H	H	Cl	H	heptafloisopropyl	H	CF3
9-134	4-xyanophenyl	Me	Me	H	H	H	H	Cl	H	heptafloisopropyl	H	CF3
9-149	2-clopyriđin-3-yl	Me	Me	H	H	H	H	Cl	H	heptafloisopropyl	H	CF3
9-191	phenyl	Me	Me	H	H	H	H	F	H	nonaflo-2-butyl	H	CF3
9-192	phenyl	Me	Me	H	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-212	3-xyanophenyl	Me	Me	H	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-213	4-xyanophenyl	Me	Me	H	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-228	2-clopyriđin-3-yl	Me	Me	H	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-270	phenyl	Me	Me	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
9-290	3-xyanophenyl	Me	Me	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
9-291	4-xyanophenyl	Me	Me	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
9-306	2-clopyriđin-3-yl	Me	Me	H	H	H	H	Br	H	heptafloisopropyl	H	CF3

9-348	phenyl	Me	Me	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
9-368	3-xyanophenyl	Me	Me	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
9-369	4-xyanophenyl	Me	Me	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
9-384	2-clopyriđin-3-yl	Me	Me	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
9-426	phenyl	Me	Me	H	H	H	H	I	H	heptafloisopropyl	H	CF3
9-446	3-xyanophenyl	Me	Me	H	H	H	H	I	H	heptafloisopropyl	H	CF3
9-447	4-xyanophenyl	Me	Me	H	H	H	H	I	H	heptafloisopropyl	H	CF3
9-462	2-clopyriđin-3-yl	Me	Me	H	H	H	H	I	H	heptafloisopropyl	H	CF3
9-504	phenyl	Me	Me	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-524	3-xyanophenyl	Me	Me	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-525	4-xyanophenyl	Me	Me	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-540	2-clopyriđin-3-yl	Me	Me	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-778	phenyl	Me	Me	H	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
9-809	2-clopyriđin-3-yl	Me	Me	H	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
9-834	phenyl	Me	Me	H	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
9-865	2-clopyriđin-3-yl	Me	Me	H	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
9-890	phenyl	Me	Me	H	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
9-921	2-clopyriđin-3-yl	Me	Me	H	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
9-946	phenyl	Me	Me	H	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
9-977	2-clopyriđin-3-yl	Me	Me	H	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
9-1002	phenyl	Me	Me	H	H	H	H	CF3	H	heptafloisopropyl	H	CF3
9-1022	3-xyanophenyl	Me	Me	H	H	H	H	CF3	H	heptafloisopropyl	H	CF3
9-1023	4-xyanophenyl	Me	Me	H	H	H	H	CF3	H	heptafloisopropyl	H	CF3
9-1038	2-clopyriđin-3-yl	Me	Me	H	H	H	H	CF3	H	heptafloisopropyl	H	CF3

Bảng 9 (2)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y 2	Y3	Y4	Y5
9-1070	phenyl	Me	Me	H	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
9-1090	3-xyanophenyl	Me	Me	H	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
9-1091	4-xyanophenyl	Me	Me	H	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
9-1106	2-clopyriđin-3-yl	Me	Me	H	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
9-1334	phenyl	Me	Me	F	H	H	H	F	H	heptafloisopropyl	H	F
9-1335	3-xyanophenyl	Me	Me	F	H	H	H	F	H	heptafloisopropyl	H	F
9-1336	4-xyanophenyl	Me	Me	F	H	H	H	F	H	heptafloisopropyl	H	F
9-1337	2-clopyriđin-3-yl	Me	Me	F	H	H	H	F	H	heptafloisopropyl	H	F
9-1338	phenyl	Me	Me	F	H	H	H	F	H	nonaflo-2-butyl	H	F
9-1339	3-xyanophenyl	Me	Me	F	H	H	H	F	H	nonaflo-2-butyl	H	F
9-1340	4-xyanophenyl	Me	Me	F	H	H	H	F	H	nonaflo-2-butyl	H	F
9-1341	2-clopyriđin-3-yl	Me	Me	F	H	H	H	F	H	nonaflo-2-butyl	H	F
9-1342	phenyl	Me	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	Cl
9-1362	3-xyanophenyl	Me	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	Cl
9-1363	4-xyanophenyl	Me	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	Cl
9-1378	2-clopyriđin-3-yl	Me	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	Cl
9-1420	phenyl	Me	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
9-1440	3-xyanophenyl	Me	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
9-1441	4-xyanophenyl	Me	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
9-1456	2-clopyriđin-3-yl	Me	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
9-1498	phenyl	Me	Me	F	H	H	H	Br	H	heptafloisopropyl	H	Br
9-1518	3-xyanophenyl	Me	Me	F	H	H	H	Br	H	heptafloisopropyl	H	Br
9-1519	4-xyanophenyl	Me	Me	F	H	H	H	Br	H	heptafloisopropyl	H	Br
9-1534	2-clopyriđin-3-yl	Me	Me	F	H	H	H	Br	H	heptafloisopropyl	H	Br
9-1576	phenyl	Me	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
9-1596	3-xyanophenyl	Me	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
9-1597	4-xyanophenyl	Me	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
9-1612	2-clopyriđin-3-yl	Me	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	Br
9-1654	phenyl	Me	Me	F	H	H	H	I	H	heptafloisopropyl	H	I
9-1674	3-xyanophenyl	Me	Me	F	H	H	H	I	H	heptafloisopropyl	H	I
9-1675	4-xyanophenyl	Me	Me	F	H	H	H	I	H	heptafloisopropyl	H	I
9-1690	2-clopyriđin-3-yl	Me	Me	F	H	H	H	I	H	heptafloisopropyl	H	I
9-1732	phenyl	Me	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	I
9-1752	3-xyanophenyl	Me	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	I
9-1753	4-xyanophenyl	Me	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	I

9-1768	2-clopyriđin-3-yl	Me	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	I
9-2006	phenyl	Me	Me	F	H	H	H	F	H	heptafloisopropyl	H	CF3
9-2007	phenyl	Me	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
9-2019	4-iođophenyl	Me	Et	F	H	H	H	Cl	H	pentafloetyl	H	CF3
9-2021	(3-triflometyl)	Et	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	C2F5
9-2027	3-xyanophenyl	Me	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
9-2028	4-xyanophenyl	Me	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
9-2030	3,4-điclophenyl	Me	n-Pr	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
9-2032	2-clo-4-flophenyl	n-Pr	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
9-2043	2-clopyriđin-3-yl	Me	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
9-2047	2-nitropyriđin-3-yl	Me	i-Pr	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
9-2049	6-flopyriđin-3-yl	i-Pr	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
9-2063	4-flopyriđin-3-yl	Me	CH2CH = CH2	F	H	H	H	Cl	H	pentafloetyl	H	CF3
9-2065	4-brompyriđin-3-yl	CH2CH = CH2	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
9-2070	2,6-điclopyriđin-3-yl	Me	CN	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
9-2072	pyriđin-4-yl	CN	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
9-2085	phenyl	Me	Me	F	H	H	H	F	H	nonaflo-2-butyl	H	CF3
9-2086	phenyl	Me	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-2092	4-clophenyl	Me	CH2C≡CH	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-2094	3-bromphenyl	CH2C≡CH	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-2099	(2-triflometyl)	Me	NH2	F	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
9-2101	(4-triflometyl)	NH2	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-2106	3-xyanophenyl	Me	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-2107	4-xyanophenyl	Me	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-2112	2-clo-4,5-điflophenyl	Me	C(O)OMe	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-2114	2-brom-4-clophenyl	C(O)OMe	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-2122	2-clopyriđin-3-yl	Me	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-2133	6-nitropyriđin-3-yl	Me	C(O)OEt	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-2135	5-flopyriđin-3-yl	C(O)OEt	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5

Bảng 9 (3)

Số hợp chất	Q1	R1	R2	X 1	X 2	X 3	X 4	Y 1	Y 2	Y3	Y 4	Y5
9-2142	4-flopyriđin-3-yl	Me	C(O)C(O)Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
9-2144	4-brompyriđin-3-yl	C(O)C(O)Me	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-2145	4-iođopyriđin-3-yl	Me	C(O)C(O)Et	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-2147	4-nitropyriđin-3-yl	C(O)C(O)Et	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
9-2156	2,6-đixyanopyriđin-4-yl	Me	C(O)Et	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-2159	3-clopyriđin-2-yl	Me	C(O)Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-2161	5-iođopyriđin-2-yl	C(O)Me	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-2163	4-xyanopyriđin-2-yl	C(O)Et	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
9-2164	phenyl	Me	Me	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
9-2176	4-iođophenyl	Me	S(O)2Me	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
9-2178	(3-triflometyl) phenyl	S(O)2Me	Me	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
9-2184	3-xyanophenyl	Me	Me	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
9-2185	4-xyanophenyl	Me	Me	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
9-2194	2-clo-4-nitrophenyl	Me	S(O)2Et	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
9-2196	4-xyano-2-flophenyl	S(O)2Et	Me	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
9-2200	2-clopyriđin-3-yl	Me	Me	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
9-2209	6-iođopyriđin-3-yl	Me	CH2Ph	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
9-2211	6-nitropyriđin-3-yl	CH2Ph	Me	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
9-2218	5-nitropyriđin-3-yl	Me	CH2(3-Py)	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
9-2220	4-flopyriđin-3-yl	CH2(3-Py)	Me	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
9-2239	5-iođopyriđin-2-yl	Me	CH2(3-Py-N-oxit)	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
9-2241	4-xyanopyriđin-2-yl	CH2(3-Py-N-oxit)	Me	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
9-2242	phenyl	Me	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
9-2262	3-xyanophenyl	Me	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
9-2263	4-xyanophenyl	Me	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
9-2267	2-clo-4-flophenyl	Me	Et	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
9-2269	4-brom-2-clophenyl	Et	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
9-2278	2-clopyriđin-3-yl	Me	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
9-2293	5-brompyriđin-3-yl	Me	CN	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3

9-2295	5-(triflometyl) pyriđin-3-yl	CN	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
9-2320	phenyl	Me	Me	F	H	H	H	I	H	heptafloisopropyl	H	CF3
9-2322	3-flophenyl	Me	Me	F	H	H	H	I	H	heptafloisopropyl	H	CF3
9-2340	3-xyanophenyl	Me	Me	F	H	H	H	I	H	heptafloisopropyl	H	CF3
9-2341	4-xyanophenyl	Me	Me	F	H	H	H	I	H	heptafloisopropyl	H	CF3
9-2356	2-clopyriđin-3-yl	Me	Me	F	H	H	H	I	H	heptafloisopropyl	H	CF3
9-2367	6-nitropyriđin-3-yl	Me	C(O)Me	F	H	H	H	I	H	heptafloisopropyl	H	CF3
9-2369	5-flopyriđin-3-yl	C(O)Me	Me	F	H	H	H	I	H	heptafloisopropyl	H	CF3
9-2398	phenyl	Me	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2418	3-xyanophenyl	Me	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2419	4-xyanophenyl	Me	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2434	2-clopyriđin-3-yl	Me	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2476	phenyl	Et	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2477	phenyl	Et	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2478	phenyl	Et	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2479	phenyl	Et	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2480	phenyl	Et	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2481	phenyl	Et	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2482	phenyl	Et	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2483	phenyl	Et	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2484	phenyl	Et	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2485	phenyl	Et	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2486	phenyl	Et	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2487	phenyl	Et	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2488	phenyl	Et	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2489	phenyl	Et	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2490	phenyl	n-Pr	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2491	phenyl	n-Pr	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2492	phenyl	n-Pr	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2493	phenyl	n-Pr	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

9-2494	phenyl	n-Pr	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2495	phenyl	n-Pr	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2496	phenyl	n-Pr	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2497	phenyl	n-Pr	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2498	phenyl	n-Pr	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 9(4)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
9-2499	phenyl	n-Pr	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2500	phenyl	n-Pr	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2501	phenyl	n-Pr	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2502	phenyl	n-Pr	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2503	phenyl	n-Pr	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2504	phenyl	i-Pr	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2505	phenyl	i-Pr	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2506	phenyl	i-Pr	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2507	phenyl	i-Pr	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2508	phenyl	i-Pr	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2509	phenyl	i-Pr	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2510	phenyl	i-Pr	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2511	phenyl	i-Pr	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2512	phenyl	i-Pr	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2513	phenyl	i-Pr	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2514	phenyl	i-Pr	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2515	phenyl	i-Pr	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2516	phenyl	i-Pr	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2517	phenyl	i-Pr	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2518	phenyl	CH2CH = CH2	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2519	phenyl	CH2CH = CH2	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2520	phenyl	CH2CH = CH2	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2521	phenyl	CH2CH = CH2	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

9-2522	phenyl	CH2CH = CH2	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2523	phenyl	CH2CH = CH2	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2524	phenyl	CH2CH = CH2	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2525	phenyl	CH2CH = CH2	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2526	phenyl	CH2CH = CH2	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2527	phenyl	CH2CH = CH2	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2528	phenyl	CH2CH = CH2	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2529	phenyl	CH2CH = CH2	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2530	phenyl	CH2CH = CH2	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2531	phenyl	CH2CH = CH2	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2532	phenyl	CN	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2533	phenyl	CN	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2534	phenyl	CN	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2535	phenyl	CN	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2536	phenyl	CN	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2537	phenyl	CN	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2538	phenyl	CN	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2539	phenyl	CN	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2540	phenyl	CN	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2541	phenyl	CN	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2542	phenyl	CN	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2543	phenyl	CN	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2544	phenyl	CN	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2545	phenyl	CN	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2546	phenyl	CH2C≡CH	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

9-2547	phenyl	CH2C≡CH	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2548	phenyl	CH2C≡CH	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2549	phenyl	CH2C≡CH	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2550	phenyl	CH2C≡CH	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2551	phenyl	CH2C≡CH	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2552	phenyl	CH2C≡CH	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2553	phenyl	CH2C≡CH	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2554	phenyl	CH2C≡CH	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2555	phenyl	CH2C≡CH	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2556	phenyl	CH2C≡CH	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2557	phenyl	CH2C≡CH	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2558	phenyl	CH2C≡CH	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2559	phenyl	CH2C≡CH	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2560	phenyl	NH2	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2561	phenyl	NH2	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2562	phenyl	NH2	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2563	phenyl	NH2	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 9(5)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
9-2564	phenyl	NH2	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2565	phenyl	NH2	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2566	phenyl	NH2	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2567	phenyl	NH2	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2568	phenyl	NH2	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2569	phenyl	NH2	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2570	phenyl	NH2	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2571	phenyl	NH2	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2572	phenyl	NH2	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2573	phenyl	NH2	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2574	phenyl	C(O)OMe	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2575	phenyl	C(O)OMe	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2576	phenyl	C(O)OMe	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2577	phenyl	C(O)OMe	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2578	phenyl	C(O)OMe	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2579	phenyl	C(O)OMe	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2580	phenyl	C(O)OMe	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2581	phenyl	C(O)OMe	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2582	phenyl	C(O)OMe	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2583	phenyl	C(O)OMe	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2584	phenyl	C(O)OMe	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2585	phenyl	C(O)OMe	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2586	phenyl	C(O)OMe	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2587	phenyl	C(O)OMe	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2588	phenyl	C(O)C(O)OMe	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2589	phenyl	C(O)C(O)OMe	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2590	phenyl	C(O)C(O)OMe	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2591	phenyl	C(O)C(O)OMe	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2592	phenyl	C(O)C(O)OMe	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2593	phenyl	C(O)C(O)OMe	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2594	phenyl	C(O)C(O)OMe	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2595	phenyl	C(O)C(O)OMe	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

9-2596	phenyl	C(O)C(O)OMe	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2597	phenyl	C(O)C(O)OMe	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2598	phenyl	C(O)C(O)OMe	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2599	phenyl	C(O)C(O)OMe	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2600	phenyl	C(O)C(O)OMe	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2601	phenyl	C(O)C(O)OMe	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2602	phenyl	C(O)Me	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2603	phenyl	C(O)Me	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2604	phenyl	C(O)Me	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2605	phenyl	C(O)Me	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2606	phenyl	C(O)Me	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2607	phenyl	C(O)Me	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2608	phenyl	C(O)Me	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2609	phenyl	C(O)Me	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2610	phenyl	C(O)Me	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2611	phenyl	C(O)Me	C(O)Me	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
9-2612	phenyl	C(O)Me	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2613	phenyl	C(O)Me	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2614	phenyl	C(O)Me	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2615	phenyl	C(O)Me	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2616	phenyl	S(O)2Me	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2617	phenyl	S(O)2Me	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2618	phenyl	S(O)2Me	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2619	phenyl	S(O)2Me	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2620	phenyl	S(O)2Me	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2621	phenyl	S(O)2Me	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2622	phenyl	S(O)2Me	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2623	phenyl	S(O)2Me	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2624	phenyl	S(O)2Me	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2625	phenyl	S(O)2Me	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2626	phenyl	S(O)2Me	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2627	phenyl	S(O)2Me	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 9(6)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
9-2628	phenyl	S(O)2Me	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2629	phenyl	S(O)2Me	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2630	phenyl	CH2Ph	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2631	phenyl	CH2Ph	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2632	phenyl	CH2Ph	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2633	phenyl	CH2Ph	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2634	phenyl	CH2Ph	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2635	phenyl	CH2Ph	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2636	phenyl	CH2Ph	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2637	phenyl	CH2Ph	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2638	phenyl	CH2Ph	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2639	phenyl	CH2Ph	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2640	phenyl	CH2Ph	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2641	phenyl	CH2Ph	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2642	phenyl	CH2Ph	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2643	phenyl	CH2Ph	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2644	phenyl	CH2(3-Py)	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2645	phenyl	CH2(3-Py)	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2646	phenyl	CH2(3-Py)	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2647	phenyl	CH2(3-Py)	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2648	phenyl	CH2(3-Py)	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2649	phenyl	CH2(3-Py)	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2650	phenyl	CH2(3-Py)	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2651	phenyl	CH2(3-Py)	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2652	phenyl	CH2(3-Py)	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2653	phenyl	CH2(3-Py)	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2654	phenyl	CH2(3-Py)	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2655	phenyl	CH2(3-Py)	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2656	phenyl	CH2(3-Py)	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

9-2657	phenyl	CH2(3-Py)	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2658	phenyl	CH2(3-Py-N-oxit)	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2659	phenyl	CH2(3-Py-N-oxit)	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2660	phenyl	CH2(3-Py-N-oxit)	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2661	phenyl	CH2(3-Py-N-oxit)	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2662	phenyl	CH2(3-Py-N-oxit)	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2663	phenyl	CH2(3-Py-N-oxit)	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2664	phenyl	CH2(3-Py-N-oxit)	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2665	phenyl	CH2(3-Py-N-oxit)	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2666	phenyl	CH2(3-Py-N-oxit)	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2667	phenyl	CH2(3-Py-N-oxit)	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2668	phenyl	CH2(3-Py-N-oxit)	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2669	phenyl	CH2(3-Py-N-oxit)	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2670	phenyl	CH2(3-Py-N-oxit)	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2671	phenyl	CH2(3-Py-N-oxit)	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
9-2672	phenyl	Me	Me	F	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
9-2687	3-xyanophenyl	Me	Me	F	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
9-2688	4-xyanophenyl	Me	Me	F	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
9-2703	2-clopyriđin-3-yl	Me	Me	F	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
9-2728	phenyl	Me	Me	F	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
9-2743	3-xyanophenyl	Me	Me	F	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
9-2744	4-xyanophenyl	Me	Me	F	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
9-2759	2-clopyriđin-3-yl	Me	Me	F	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
9-2784	phenyl	Me	Me	F	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
9-2799	3-xyanophenyl	Me	Me	F	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
9-2800	4-xyanophenyl	Me	Me	F	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
9-2815	2-clopyriđin-	Me	Me	F	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
9-2840	phenyl	Me	Me	F	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
9-2855	3-xyanophenyl	Me	Me	F	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
9-2856	4-xyanophenyl	Me	Me	F	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3

Bảng 9(7)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
9-2871	2-clopyriđin-3-yl	Me	Me	F	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
9-2896	phenyl	Me	Me	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
9-2916	3-xyanophenyl	Me	Me	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
9-2917	4-xyanophenyl	Me	Me	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
9-2932	2-clopyriđin-3-yl	Me	Me	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
9-2964	phenyl	Me	Me	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
9-2984	3-xyanophenyl	Me	Me	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
9-2985	4-xyanophenyl	Me	Me	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
9-3000	2-clopyriđin-3-yl	Me	Me	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
9-3228	phenyl	Me	Me	H	F	H	H	F	H	heptafloisopropyl	H	F
9-3229	3-xyanophenyl	Me	Me	H	F	H	H	F	H	heptafloisopropyl	H	F
9-3230	4-xyanophenyl	Me	Me	H	F	H	H	F	H	heptafloisopropyl	H	F
9-3231	2-clopyriđin-3-yl	Me	Me	H	F	H	H	F	H	heptafloisopropyl	H	F
9-3232	phenyl	Me	Me	H	F	H	H	F	H	nonaflo-2-butyl	H	F
9-3233	3-xyanophenyl	Me	Me	H	F	H	H	F	H	nonaflo-2-butyl	H	F
9-3234	4-xyanophenyl	Me	Me	H	F	H	H	F	H	nonaflo-2-butyl	H	F
9-3235	2-clopyriđin-3-yl	Me	Me	H	F	H	H	F	H	nonaflo-2-butyl	H	F
9-3236	phenyl	Me	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	Cl
9-3256	3-xyanophenyl	Me	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	Cl
9-3257	4-xyanophenyl	Me	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	Cl
9-3272	2-clopyriđin-3-yl	Me	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	Cl
9-3314	phenyl	Me	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
9-3334	3-xyanophenyl	Me	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
9-3335	4-xyanophenyl	Me	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
9-3350	2-clopyriđin-3-yl	Me	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
9-3392	phenyl	Me	Me	H	F	H	H	Br	H	heptafloisopropyl	H	Br

9-3412	3-xyanophenyl	Me	Me	H	F	H	H	Br	H	heptafloisopropyl	H	Br
9-3413	4-xyanophenyl	Me	Me	H	F	H	H	Br	H	heptafloisopropyl	H	Br
9-3428	2-clopyriđin-3-yl	Me	Me	H	F	H	H	Br	H	heptafloisopropyl	H	Br
9-3470	phenyl	Me	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	Br
9-3490	3-xyanophenyl	Me	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	Br
9-3491	4-xyanophenyl	Me	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	Br
9-3506	2-clopyriđin-3-yl	Me	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	Br
9-3548	phenyl	Me	Me	H	F	H	H	I	H	heptafloisopropyl	H	I
9-3568	3-xyanophenyl	Me	Me	H	F	H	H	I	H	heptafloisopropyl	H	I
9-3569	4-xyanophenyl	Me	Me	H	F	H	H	I	H	heptafloisopropyl	H	I
9-3584	2-clopyriđin-3-yl	Me	Me	H	F	H	H	I	H	heptafloisopropyl	H	I
9-3626	phenyl	Me	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	I
9-3646	3-xyanophenyl	Me	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	I
9-3647	4-xyanophenyl	Me	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	I
9-3662	2-clopyriđin-3-yl	Me	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	I
9-3900	phenyl	Me	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
9-3920	3-xyanophenyl	Me	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
9-3921	4-xyanophenyl	Me	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
9-3936	2-clopyriđin-3-yl	Me	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
9-3978	phenyl	Me	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
9-3998	3-xyanophenyl	Me	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
9-3999	4-xyanophenyl	Me	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
9-4014	2-clopyriđin-3-yl	Me	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
9-4056	phenyl	Me	Me	H	F	H	H	Br	H	heptafloisopropyl	H	OCF3
9-4076	3-xyanophenyl	Me	Me	H	F	H	H	Br	H	heptafloisopropyl	H	OCF3
9-4077	4-xyanophenyl	Me	Me	H	F	H	H	Br	H	heptafloisopropyl	H	OCF3
9-4092	2-clopyriđin-3-yl	Me	Me	H	F	H	H	Br	H	heptafloisopropyl	H	OCF3
9-4134	phenyl	Me	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3

9-4154	3-xyanophenyl	Me	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
9-4155	4-xyanophenyl	Me	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
9-4170	2-clopyridin-3-yl	Me	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
9-4212	phenyl	Me	Me	H	F	H	H	I	H	heptafloisopropyl	H	OCF3
9-4232	3-xyanophenyl	Me	Me	H	F	H	H	I	H	heptafloisopropyl	H	OCF3
9-4233	4-xyanophenyl	Me	Me	H	F	H	H	I	H	heptafloisopropyl	H	OCF3
9-4248	2-clopyriđin-3-yl	Me	Me	H	F	H	H	I	H	heptafloisopropyl	H	OCF3
9-4290	phenyl	Me	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
9-4310	3-xyanophenyl	Me	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
9-4311	4-xyanophenyl	Me	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
9-4326	2-clopyriđin-3-yl	Me	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
9-4564	phenyl	Me	Me	H	F	H	H	F	H	heptafloisopropyl	H	CF3
9-4565	phenyl	Me	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	CF3
9-4585	3-xyanophenyl	Me	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	CF3
9-4586	4-xyanophenyl	Me	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	CF3

Bảng 9(8)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
9-4601	2-clopyriđin-3-yl	Me	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	CF3
9-4643	phenyl	Me	Me	H	F	H	H	F	H	nonaflo-2-butyl	H	CF3
9-4644	phenyl	Me	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-4664	3-xyanophenyl	Me	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-4665	4-xyanophenyl	Me	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-4680	2-clopyriđin-3-yl	Me	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-4722	phenyl	Me	Me	H	F	H	H	Br	H	heptafloisopropyl	H	CF3
9-4742	3-xyanophenyl	Me	Me	H	F	H	H	Br	H	heptafloisopropyl	H	CF3
9-4743	4-xyanophenyl	Me	Me	H	F	H	H	Br	H	heptafloisopropyl	H	CF3
9-4758	2-clopyriđin-3-yl	Me	Me	H	F	H	H	Br	H	heptafloisopropyl	H	CF3
9-4800	phenyl	Me	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
9-4820	3-xyanophenyl	Me	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
9-4821	4-xyanophenyl	Me	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
9-4836	2-clopyriđin-3-yl	Me	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
9-4878	phenyl	Me	Me	H	F	H	H	I	H	heptafloisopropyl	H	CF3
9-4898	3-xyanophenyl	Me	Me	H	F	H	H	I	H	heptafloisopropyl	H	CF3
9-4899	4-xyanophenyl	Me	Me	H	F	H	H	I	H	heptafloisopropyl	H	CF3
9-4914	2-clopyriđin-3-yl	Me	Me	H	F	H	H	I	H	heptafloisopropyl	H	CF3
9-4956	phenyl	Me	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	CF3
9-4976	3-xyanophenyl	Me	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	CF3
9-4977	4-xyanophenyl	Me	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	CF3
9-4992	2-clopyriđin-3-yl	Me	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	CF3
9-5230	phenyl	Me	Me	H	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
9-5261	2-clopyriđin-3-yl	Me	Me	H	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
9-5286	phenyl	Me	Me	H	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
9-5317	2-clopyriđin-3-yl	Me	Me	H	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3

9-5342	phenyl	Me	Me	H	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
9-5373	2-clopyriđin-3-yl	Me	Me	H	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
9-5398	phenyl	Me	Me	H	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
9-5429	2-clopyriđin-3-yl	Me	Me	H	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
9-5454	phenyl	Me	Me	H	F	H	H	CF3	H	heptafloisopropyl	H	CF3
9-5474	3-xyanophenyl	Me	Me	H	F	H	H	CF3	H	heptafloisopropyl	H	CF3
9-5475	4-xyanophenyl	Me	Me	H	F	H	H	CF3	H	heptafloisopropyl	H	CF3
9-5490	2-clopyriđin-3-yl	Me	Me	H	F	H	H	CF3	H	heptafloisopropyl	H	CF3
9-5522	phenyl	Me	Me	H	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
9-5542	3-xyanophenyl	Me	Me	H	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
9-5543	4-xyanophenyl	Me	Me	H	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
9-5558	2-clopyriđin-3-yl	Me	Me	H	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
9-5786	phenyl	Me	Me	F	F	H	H	F	H	heptafloisopropyl	H	F
9-5787	3-xyanophenyl	Me	Me	F	F	H	H	F	H	heptafloisopropyl	H	F
9-5788	4-xyanophenyl	Me	Me	F	F	H	H	F	H	heptafloisopropyl	H	F
9-5789	2-clopyriđin-3-yl	Me	Me	F	F	H	H	F	H	heptafloisopropyl	H	F
9-5790	phenyl	Me	Me	F	F	H	H	F	H	nonaflo-2-butyl	H	F
9-5791	3-xyanophenyl	Me	Me	F	F	H	H	F	H	nonaflo-2-butyl	H	F
9-5792	4-xyanophenyl	Me	Me	F	F	H	H	F	H	nonaflo-2-butyl	H	F
9-5793	2-clopyriđin-3-yl	Me	Me	F	F	H	H	F	H	nonaflo-2-butyl	H	F
9-5794	phenyl	Me	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	Cl
9-5814	3-xyanophenyl	Me	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	Cl
9-5815	4-xyanophenyl	Me	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	Cl
9-5830	2-clopyriđin-3-yl	Me	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	Cl
9-5872	phenyl	Me	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
9-5892	3-xyanophenyl	Me	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
9-5893	4-xyanophenyl	Me	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
9-5908	2-clopyriđin-3-yl	Me	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
9-5950	phenyl	Me	Me	F	F	H	H	Br	H	heptafloisopropyl	H	Br
9-5970	3-xyanophenyl	Me	Me	F	F	H	H	Br	H	heptafloisopropyl	H	Br

9-5971	4-xyanophenyl	Me	Me	F	F	H	H	Br	H	heptafloisopropyl	H	Br
9-5986	2-clopyriđin-3-yl	Me	Me	F	F	H	H	Br	H	heptafloisopropyl	H	Br
9-6028	phenyl	Me	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	Br
9-6048	3-xyanophenyl	Me	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	Br
9-6049	4-xyanophenyl	Me	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	Br
9-6064	2-clopyridin-3-yl	Me	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	Br
9-6106	phenyl	Me	Me	F	F	H	H	I	H	heptafloisopropyl	H	I
9-6126	3-xyanophenyl	Me	Me	F	F	H	H	I	H	heptafloisopropyl	H	I

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Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
9-6127	4-xyanophenyl	Me	Me	F	F	H	H	I	H	heptafloisopropyl	H	I
9-6142	2-clopyriđin-3-yl	Me	Me	F	F	H	H	I	H	heptafloisopropyl	H	I
9-6184	phenyl	Me	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	I
9-6204	3-xyanophenyl	Me	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	I
9-6205	4-xyanophenyl	Me	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	I
9-6220	2-clopyriđin-3-yl	Me	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	I
9-6458	phenyl	Me	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
9-6478	3-xyanophenyl	Me	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
9-6479	4-xyanophenyl	Me	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
9-6494	2-clopyriđin-3-yl	Me	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
9-6536	phenyl	Me	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
9-6556	3-xyanophenyl	Me	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
9-6557	4-xyanophenyl	Me	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
9-6572	2-clopyriđin-3-yl	Me	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
9-6614	phenyl	Me	Me	F	F	H	H	Br	H	heptafloisopropyl	H	OCF3
9-6634	3-xyanophenyl	Me	Me	F	F	H	H	Br	H	heptafloisopropyl	H	OCF3
9-6635	4-xyanophenyl	Me	Me	F	F	H	H	Br	H	heptafloisopropyl	H	OCF3
9-6650	2-clopyriđin-3-yl	Me	Me	F	F	H	H	Br	H	heptafloisopropyl	H	OCF3
9-6692	phenyl	Me	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
9-6712	3-xyanophenyl	Me	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
9-6713	4-xyanophenyl	Me	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
9-6728	2-clopyriđin-3-yl	Me	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
9-6770	phenyl	Me	Me	F	F	H	H	I	H	heptafloisopropyl	H	OCF3
9-6790	3-xyanophenyl	Me	Me	F	F	H	H	I	H	heptafloisopropyl	H	OCF3
9-6791	4-xyanophenyl	Me	Me	F	F	H	H	I	H	heptafloisopropyl	H	OCF3
9-6806	2-clopyriđin-3-yl	Me	Me	F	F	H	H	I	H	heptafloisopropyl	H	OCF3
9-6848	phenyl	Me	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
9-6868	3-xyanophenyl	Me	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
9-6869	4-xyanophenyl	Me	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	OCF3

9-6884	2-clopyridin-3-yl	Me	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
9-7122	phenyl	Me	Me	F	F	H	H	F	H	heptafloisopropyl	H	CF3
9-7123	phenyl	Me	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	CF3
9-7143	3-xyanophenyl	Me	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	CF3
9-7144	4-xyanophenyl	Me	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	CF3
9-7159	2-clopyridin-3-yl	Me	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	CF3
9-7201	phenyl	Me	Me	F	F	H	H	F	H	nonaflo-2-butyl	H	CF3
9-7202	phenyl	Me	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-7222	3-xyanophenyl	Me	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-7223	4-xyanophenyl	Me	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-7238	2-clopyridin-3-yl	Me	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
9-7280	phenyl	Me	Me	F	F	H	H	Br	H	heptafloisopropyl	H	CF3
9-7300	3-xyanophenyl	Me	Me	F	F	H	H	Br	H	heptafloisopropyl	H	CF3
9-7301	4-xyanophenyl	Me	Me	F	F	H	H	Br	H	heptafloisopropyl	H	CF3
9-7316	2-clopyridin-3-yl	Me	Me	F	F	H	H	Br	H	heptafloisopropyl	H	CF3
9-7358	phenyl	Me	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
9-7378	3-xyanophenyl	Me	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
9-7379	4-xyanophenyl	Me	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
9-7394	2-clopyridin-3-yl	Me	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
9-7436	phenyl	Me	Me	F	F	H	H	I	H	heptafloisopropyl	H	CF3
9-7456	3-xyanophenyl	Me	Me	F	F	H	H	I	H	heptafloisopropyl	H	CF3
9-7457	4-xyanophenyl	Me	Me	F	F	H	H	I	H	heptafloisopropyl	H	CF3
9-7472	2-clopyridin-3-yl	Me	Me	F	F	H	H	I	H	heptafloisopropyl	H	CF3
9-7514	phenyl	Me	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	CF3
9-7534	3-xyanophenyl	Me	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	CF3
9-7535	4-xyanophenyl	Me	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	CF3
9-7550	2-clopyridin-3-yl	Me	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	CF3
9-7788	phenyl	Me	Me	F	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
9-7819	2-clopyridin-3-yl	Me	Me	F	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
9-7844	phenyl	Me	Me	F	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
9-7875	2-clopyridin-3-yl	Me	Me	F	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3

9-7900	phenyl	Me	Me	F	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
9-7931	2-clopyridin-3-yl	Me	Me	F	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
9-7956	phenyl	Me	Me	F	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
9-7987	2-clopyridin-3-yl	Me	Me	F	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3

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Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
9-8012	phenyl	Me	Me	F	F	H	H	CF3	H	heptafloisopropyl	H	CF3
9-8032	3-xyanophenyl	Me	Me	F	F	H	H	CF3	H	heptafloisopropyl	H	CF3
9-8033	4-xyanophenyl	Me	Me	F	F	H	H	CF3	H	heptafloisopropyl	H	CF3
9-8048	2-clopyriđin-3-yl	Me	Me	F	F	H	H	CF3	H	heptafloisopropyl	H	CF3
9-8080	phenyl	Me	Me	F	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
9-8100	3-xyanophenyl	Me	Me	F	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
9-8101	4-xyanophenyl	Me	Me	F	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
9-8116	2-clopyriđin-3-yl	Me	Me	F	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
9-8344	phenyl	Me	Me	F	F	F	H	Cl	H	pentafloetyl	H	Cl
9-8345	phenyl	Me	Me	F	F	F	H	Br	H	heptafloisopropyl	H	Br
9-8346	phenyl	Me	Me	F	F	F	H	Br	H	heptafloisopropyl	H	OCF3
9-8347	phenyl	Me	Me	F	F	F	H	I	H	heptafloisopropyl	H	CF3
9-8348	phenyl	Me	Me	F	F	F	H	CF3	H	heptafloisopropyl	H	CF3
9-8349	phenyl	Me	Me	F	F	F	H	I	H	nonaflo-2-butyl	H	I
9-8350	phenyl	Me	Me	F	F	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
9-8351	phenyl	Me	Me	F	F	F	H	Br	H	nonaflo-2-butyl	H	CF3
9-8352	phenyl	Me	Me	F	F	F	H	CF3	H	nonaflo-2-butyl	H	CF3
9-8353	phenyl	Me	Me	H	H	F	H	Cl	H	pentafloetyl	H	Cl
9-8354	phenyl	Me	Me	H	H	F	H	Br	H	heptafloisopropyl	H	Br
9-8355	phenyl	Me	Me	H	H	F	H	Br	H	heptafloisopropyl	H	OCF3
9-8356	phenyl	Me	Me	H	H	F	H	I	H	heptafloisopropyl	H	CF3
9-8357	phenyl	Me	Me	H	H	F	H	CF3	H	heptafloisopropyl	H	CF3
9-8358	phenyl	Me	Me	H	H	F	H	I	H	nonaflo-2-butyl	H	I
9-8359	phenyl	Me	Me	H	H	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
9-8360	phenyl	Me	Me	H	H	F	H	Br	H	nonaflo-2-butyl	H	CF3
9-8361	phenyl	Me	Me	H	H	F	H	CF3	H	nonaflo-2-butyl	H	CF3
9-8362	phenyl	Me	Me	H	H	H	F	Cl	H	pentafloetyl	H	Cl
9-8363	phenyl	Me	Me	H	H	H	F	Br	H	heptafloisopropyl	H	Br
9-8364	phenyl	Me	Me	H	H	H	F	Br	H	heptafloisopropyl	H	OCF3
9-8365	phenyl	Me	Me	H	H	H	F	I	H	heptafloisopropyl	H	CF3
9-8366	phenyl	Me	Me	H	H	H	F	CF3	H	heptafloisopropyl	H	CF3
9-8367	phenyl	Me	Me	H	H	H	F	I	H	nonaflo-2-butyl	H	I
9-8368	phenyl	Me	Me	H	H	H	F	Cl	H	nonaflo-2-butyl	H	OCF3

9-8369	phenyl	Me	Me	H	H	H	F	Br	H	nonaflo-2-butyl	H	CF3
9-8370	phenyl	Me	Me	H	H	H	F	CF3	H	nonaflo-2-butyl	H	CF3
9-8371	phenyl	Me	Me	F	H	F	H	Cl	H	pentafloetyl	H	Cl
9-8372	phenyl	Me	Me	F	H	F	H	Br	H	heptafloisopropyl	H	Br
9-8373	phenyl	Me	Me	F	H	F	H	Br	H	heptafloisopropyl	H	OCF3
9-8374	phenyl	Me	Me	F	H	F	H	I	H	heptafloisopropyl	H	CF3
9-8375	phenyl	Me	Me	F	H	F	H	CF3	H	heptafloisopropyl	H	CF3
9-8376	phenyl	Me	Me	F	H	F	H	I	H	nonaflo-2-butyl	H	I
9-8377	phenyl	Me	Me	F	H	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
9-8378	phenyl	Me	Me	F	H	F	H	Br	H	nonaflo-2-butyl	H	CF3
9-8379	phenyl	Me	Me	F	H	F	H	CF3	H	nonaflo-2-butyl	H	CF3
9-8380	phenyl	Me	Me	F	H	H	F	Cl	H	pentafloetyl	H	Cl
9-8381	phenyl	Me	Me	F	H	H	F	Br	H	heptafloisopropyl	H	Br
9-8382	phenyl	Me	Me	F	H	H	F	Br	H	heptafloisopropyl	H	OCF3
9-8383	phenyl	Me	Me	F	H	H	F	I	H	heptafloisopropyl	H	CF3
9-8384	phenyl	Me	Me	F	H	H	F	CF3	H	heptafloisopropyl	H	CF3
9-8385	phenyl	Me	Me	F	H	H	F	I	H	nonaflo-2-butyl	H	I
9-8386	phenyl	Me	Me	F	H	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
9-8387	phenyl	Me	Me	F	H	H	F	Br	H	nonaflo-2-butyl	H	CF3
9-8388	phenyl	Me	Me	F	H	H	F	CF3	H	nonaflo-2-butyl	H	CF3
9-8389	phenyl	Me	Me	H	F	F	H	Cl	H	pentafloetyl	H	Cl
9-8390	phenyl	Me	Me	H	F	F	H	Br	H	heptafloisopropyl	H	Br
9-8391	phenyl	Me	Me	H	F	F	H	Br	H	heptafloisopropyl	H	OCF3
9-8392	phenyl	Me	Me	H	F	F	H	I	H	heptafloisopropyl	H	CF3
9-8393	phenyl	Me	Me	H	F	F	H	CF3	H	heptafloisopropyl	H	CF3
9-8394	phenyl	Me	Me	H	F	F	H	I	H	nonaflo-2-butyl	H	I
9-8395	phenyl	Me	Me	H	F	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
9-8396	phenyl	Me	Me	H	F	F	H	Br	H	nonaflo-2-butyl	H	CF3
9-8397	phenyl	Me	Me	H	F	F	H	CF3	H	nonaflo-2-butyl	H	CF3
9-8398	phenyl	Me	Me	H	F	H	F	Cl	H	pentafloetyl	H	Cl
9-8399	phenyl	Me	Me	H	F	H	F	Br	H	heptafloisopropyl	H	Br

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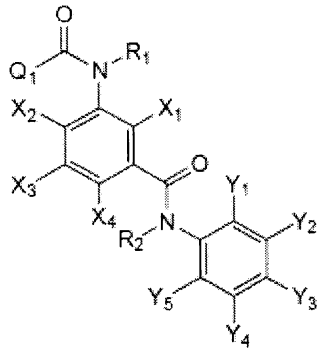
Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
9-8400	phenyl	Me	Me	H	F	H	F	Br	H	heptafloisopropyl	H	OCF3
9-8401	phenyl	Me	Me	H	F	H	F	I	H	heptafloisopropyl	H	CF3
9-8402	phenyl	Me	Me	H	F	H	F	CF3	H	heptafloisopropyl	H	CF3
9-8403	phenyl	Me	Me	H	F	H	F	I	H	nonaflo-2-butyl	H	I
9-8404	phenyl	Me	Me	H	F	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
9-8405	phenyl	Me	Me	H	F	H	F	Br	H	nonaflo-2-butyl	H	CF3
9-8406	phenyl	Me	Me	H	F	H	F	CF3	H	nonaflo-2-butyl	H	CF3
9-8407	phenyl	Me	Me	H	H	F	F	Cl	H	pentafloetyl	H	Cl
9-8408	phenyl	Me	Me	H	H	F	F	Br	H	heptafloisopropyl	H	Br
9-8409	phenyl	Me	Me	H	H	F	F	Br	H	heptafloisopropyl	H	OCF3
9-8410	phenyl	Me	Me	H	H	F	F	I	H	heptafloisopropyl	H	CF3
9-8411	phenyl	Me	Me	H	H	F	F	CF3	H	heptafloisopropyl	H	CF3
9-8412	phenyl	Me	Me	H	H	F	F	I	H	nonaflo-2-butyl	H	I
9-8413	phenyl	Me	Me	H	H	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
9-8414	phenyl	Me	Me	H	H	F	F	Br	H	nonaflo-2-butyl	H	CF3
9-8415	phenyl	Me	Me	H	H	F	F	CF3	H	nonaflo-2-butyl	H	CF3
9-8416	phenyl	Me	Me	F	F	H	F	Cl	H	pentafloetyl	H	Cl
9-8417	phenyl	Me	Me	F	F	H	F	Br	H	heptafloisopropyl	H	Br
9-8418	phenyl	Me	Me	F	F	H	F	Br	H	heptafloisopropyl	H	OCF3
9-8419	phenyl	Me	Me	F	F	H	F	I	H	heptafloisopropyl	H	CF3
9-8420	phenyl	Me	Me	F	F	H	F	CF3	H	heptafloisopropyl	H	CF3
9-8421	phenyl	Me	Me	F	F	H	F	I	H	nonaflo-2-butyl	H	I
9-8422	phenyl	Me	Me	F	F	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
9-8423	phenyl	Me	Me	F	F	H	F	Br	H	nonaflo-2-butyl	H	CF3
9-8424	phenyl	Me	Me	F	F	H	F	CF3	H	nonaflo-2-butyl	H	CF3
9-8425	phenyl	Me	Me	F	H	F	F	Cl	H	pentafloetyl	H	Cl
9-8426	phenyl	Me	Me	F	H	F	F	Br	H	heptafloisopropyl	H	Br
9-8427	phenyl	Me	Me	F	H	F	F	Br	H	heptafloisopropyl	H	OCF3
9-8428	phenyl	Me	Me	F	H	F	F	I	H	heptafloisopropyl	H	CF3
9-8429	phenyl	Me	Me	F	H	F	F	CF3	H	heptafloisopropyl	H	CF3
9-8430	phenyl	Me	Me	F	H	F	F	I	H	nonaflo-2-butyl	H	I
9-8431	phenyl	Me	Me	F	H	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
9-8432	phenyl	Me	Me	F	H	F	F	Br	H	nonaflo-2-butyl	H	CF3

9-8433	phenyl	Me	Me	F	H	F	F	CF3	H	nonaflo-2-butyl	H	CF3
9-8434	phenyl	Me	Me	H	F	F	F	Cl	H	pentafloetyl	H	Cl
9-8435	phenyl	Me	Me	H	F	F	F	Br	H	heptafloisopropyl	H	Br
9-8436	phenyl	Me	Me	H	F	F	F	Br	H	heptafloisopropyl	H	OCF3
9-8437	phenyl	Me	Me	H	F	F	F	I	H	heptafloisopropyl	H	CF3
9-8438	phenyl	Me	Me	H	F	F	F	CF3	H	heptafloisopropyl	H	CF3
9-8439	phenyl	Me	Me	H	F	F	F	I	H	nonaflo-2-butyl	H	I
9-8440	phenyl	Me	Me	H	F	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
9-8441	phenyl	Me	Me	H	F	F	F	Br	H	nonaflo-2-butyl	H	CF3
9-8442	phenyl	Me	Me	H	F	F	F	CF3	H	nonaflo-2-butyl	H	CF3
9-8443	phenyl	Me	Me	F	F	F	F	Cl	H	pentafloetyl	H	Cl
9-8444	phenyl	Me	Me	F	F	F	F	Br	H	heptafloisopropyl	H	Br
9-8445	phenyl	Me	Me	F	F	F	F	Br	H	heptafloisopropyl	H	OCF3
9-8446	phenyl	Me	Me	F	F	F	F	I	H	heptafloisopropyl	H	CF3
9-8447	phenyl	Me	Me	F	F	F	F	CF3	H	heptafloisopropyl	H	CF3
9-8448	phenyl	Me	Me	F	F	F	F	I	H	nonaflo-2-butyl	H	I
9-8449	phenyl	Me	Me	F	F	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
9-8450	phenyl	Me	Me	F	F	F	F	Br	H	nonaflo-2-butyl	H	CF3
9-8451	phenyl	Me	Me	F	F	F	F	CF3	H	nonaflo-2-butyl	H	CF3



Bảng 10(1)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
10-9	3-bromphenyl	H	Et	H	H	H	H	Cl	F	nonaflo-2-butyl	F	Cl
10-39	2-iođopyriđin-3-yl	H	H	H	H	H	H	Cl	Me	nonaflo-2-butyl	Me	I
10-148	2-clophenyl	H	H	H	H	H	H	F	Br	heptafloisopropyl	H	CF3
10-153	4-bromphenyl	H	H	H	H	H	H	Cl	F	heptafloisopropyl	Cl	CF3
10-167	3,4-điclophenyl	H	H	H	H	H	H	Cl	I	nonaflo-2-butyl	I	CF3
10-168	2,4-điclophenyl	H	H	H	H	H	H	Cl	Me	nonaflo-2-butyl	H	CF3
10-169	2-clo-4-flophenyl	H	H	H	H	H	H	Cl	H	nonaflo-2-butyl	Me	CF3
10-170	2-clo-4,5-điflophenyl	i-Pr	H	H	H	H	H	Cl	Et	nonaflo-2-butyl	H	CF3
10-171	4-brom-2-clophenyl	H	H	H	H	H	H	Cl	H	nonaflo-2-butyl	Et	CF3
10-182	2-iođopyriđin-3-yl	H	H	H	H	H	H	Cl	Me	nonaflo-2-butyl	Me	n-C3F7
10-183	2-(triflometyl)pyriđin-3-yl	H	H	H	H	H	H	Cl	Me	nonaflo-2-butyl	Et	i-C3F7
10-189	6-iođopyriđin-3-yl	H	H	H	H	H	H	Cl	Et	nonaflo-2-butyl	Me	n-C3F7
10-190	6-(triflometyl)pyriđin-3-yl	H	H	H	H	H	H	Cl	Et	nonaflo-2-butyl	Et	i-C3F7
10-196	5-brompyriđin-3-yl	H	H	H	H	H	H	Br	n-Pr	heptafloisopropyl	Me	CF3
10-197	5-iođopyriđin-3-yl	H	H	H	H	H	H	Br	n-Pr	heptafloisopropyl	Et	CF3
10-203	4-brompyriđin-3-yl	Me	n-Pr	H	H	H	H	Br	i-Pr	heptafloisopropyl	Me	CF3
10-204	4-iođopyriđin-3-yl	H	H	H	H	H	H	Br	i-Pr	heptafloisopropyl	Et	CF3
10-210	pyriđin-4-yl	H	H	H	H	H	H	Br	n-Bu	heptafloisopropyl	Me	CF3
10-211	2-clopyriđin-4-yl	H	H	H	H	H	H	Br	n-Bu	heptafloisopropyl	Et	CF3
10-217	pyriđin-2-yl	H	H	H	H	H	H	Br	i-Bu	nonaflo-2-butyl	Me	CF3
10-218	3-clopyriđin-2-yl	H	H	H	H	H	H	Br	i-Bu	nonaflo-2-butyl	Et	CF3
10-224	2-flophenyl	H	H	H	H	H	H	Br	s-Bu	nonaflo-2-butyl	Me	CF3
10-225	3-flophenyl	H	H	H	H	H	H	Br	s-Bu	nonaflo-2-butyl	Et	CF3
10-231	3-bromphenyl	H	H	H	H	H	H	Br	F	nonaflo-2-butyl	Me	CF3
10-232	4-bromphenyl	H	H	H	H	H	H	Br	F	nonaflo-2-butyl	Et	CF3
10-238	(4-triflometyl)phenyl	Et	i-Pr	H	H	H	H	Br	Cl	nonaflo-2-butyl	Me	CF3
10-239	2-nitrophenyl	H	H	H	H	H	H	Br	Cl	nonaflo-2-butyl	Et	CF3

10-245	4-xyanophenyl	H	H	H	H	H	H	I	Br	heptafloisopropyl	Me	CF3
10-246	2,6-diflophenyl	H	H	H	H	H	H	I	Br	heptafloisopropyl	Et	CF3
10-252	2-brom-4-clophenyl	n-Pr	Me	H	H	H	H	I	I	heptafloisopropyl	Me	CF3
10-253	2-brom-4-flophenyl	H	H	H	H	H	H	I	I	heptafloisopropyl	Et	CF3
10-259	2-flopyriđin-3-yl	H	H	H	H	H	H	I	Me	heptafloisopropyl	F	C2F5
10-260	2-clopyriđin-3-yl	H	H	H	H	H	H	I	Me	nonaflo-2-butyl	Cl	CF3
10-263	2-(triflometyl)pyriđin-3-yl	H	H	H	H	H	H	I	Et	nonaflo-2-butyl	F	CF3
10-264	2-nitropyriđin-3-yl	H	H	H	H	H	H	I	Et	nonaflo-2-butyl	Cl	CF3
10-267	6-clopyriđin-3-yl	H	H	H	H	H	H	I	n-Pr	nonaflo-2-butyl	F	CF3
10-268	6-brompyriđin-3-yl	H	H	H	H	H	H	I	n-Pr	nonaflo-2-butyl	Cl	CF3
10-271	6-nitropyriđin-3-yl	H	H	H	H	H	H	I	i-Pr	nonaflo-2-butyl	F	i-C3F7
10-272	6-xyanopyriđin-3-yl	H	H	H	H	H	H	I	i-Pr	nonaflo-2-butyl	Cl	CF3
10-275	5-brompyriđin-3-yl	H	H	H	H	H	H	I	n-Bu	nonaflo-2-butyl	F	CF3
10-276	5-iođopyriđin-3-yl	H	H	H	H	H	H	I	n-Bu	nonaflo-2-butyl	Cl	CF3
10-279	5-xyanopyriđin-3-yl	H	H	H	H	H	H	I	i-Bu	nonaflo-2-butyl	F	CF3
10-280	4-flopyriđin-3-yl	H	H	H	H	H	H	I	i-Bu	nonaflo-2-butyl	Cl	CF3
10-283	4-iođopyriđin-3-yl	i-Pr	n-Pr	H	H	H	H	I	s-Bu	nonaflo-2-butyl	F	CF3
10-284	4-(triflometyl)pyriđin-3-yl	H	H	H	H	H	H	I	s-Bu	nonaflo-2-butyl	Cl	CF3
10-295	3-bromphenyl	H	Et	H	H	H	H	OCF3	F	heptafloisopropyl	F	OCF3
10-325	2-iođopyriđin-3-yl	H	H	H	H	H	H	OCF3	Me	nonaflo-2-butyl	Me	OCF3
10-438	3-bromphenyl	H	Et	H	H	H	H	OCF3	F	heptafloisopropyl	F	CF3
10-468	2-iođopyriđin-3-yl	H	H	H	H	H	H	OCF3	Me	nonaflo-2-butyl	Me	CF3
10-581	3-bromphenyl	H	Et	H	H	H	H	CF3	F	heptafloisopropyl	F	CF3
10-611	2-iođopyriđin-3-yl	H	H	H	H	H	H	CF3	Me	nonaflo-2-butyl	Me	CF3
10-724	3-bromphenyl	H	Et	F	H	H	H	Cl	F	heptafloisopropyl	F	Cl
10-754	2-iođopyriđin-3-yl	H	H	F	H	H	H	Cl	Me	nonaflo-2-butyl	Me	I
10-859	phenyl	H	H	F	H	H	H	Cl	F	heptafloisopropyl	H	CF3
10-860	2-flophenyl	Me	H	F	H	H	H	Cl	H	heptafloisopropyl	F	CF3

Bảng 10(2)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
10-861	3-flophenyl	H	Me	F	H	H	H	Cl	Cl	heptafloisopropyl	H	CF3
10-862	4-flophenyl	Me	Me	F	H	H	H	Cl	H	heptafloisopropyl	Cl	CF3
10-863	2-clophenyl	H	H	F	H	H	H	F	Br	heptafloisopropyl	H	CF3
10-864	3-clophenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	Br	CF3
10-865	4-clophenyl	Et	H	F	H	H	H	Cl	I	heptafloisopropyl	H	C2F5
10-866	2-bromphenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	I	CF3
10-867	3-bromphenyl	H	Et	F	H	H	H	Cl	F	heptafloisopropyl	F	CF3
10-868	4-bromphenyl	H	H	F	H	H	H	Cl	F	heptafloisopropyl	Cl	CF3
10-869	2-iođophenyl	H	H	F	H	H	H	Cl	F	heptafloisopropyl	Br	CF3
10-870	3-iođophenyl	Et	Et	F	H	H	H	Cl	F	pentafloetyl	I	C2F5
10-871	4-iođophenyl	H	H	F	H	H	H	Cl	Cl	pentafloetyl	F	CF3
10-872	(2-triflometyl) phenyl	H	H	F	H	H	H	Cl	Cl	heptafloisopropyl	Cl	CF3
10-873	(3-triflometyl) phenyl	n-Pr	H	F	H	H	H	Cl	Cl	heptafloisopropyl	Br	CF3
10-874	(4-triflometyl) phenyl	H	H	F	H	H	H	Cl	Cl	heptafloisopropyl	I	n-C3F7
10-875	2-nitrophenyl	H	n-Pr	F	H	H	H	Cl	Br	heptafloisopropyl	F	CF3
10-876	3-nitrophenyl	H	H	F	H	H	H	Cl	Br	heptafloisopropyl	Cl	CF3
10-877	4-nitrophenyl	H	H	F	H	H	H	Cl	Br	heptafloisopropyl	Br	CF3
10-878	2-xyanophenyl	n-Pr	n-Pr	F	H	H	H	Cl	Br	pentafloetyl	I	CF3
10-879	3-xyanophenyl	H	H	F	H	H	H	F	I	nonaflo-2-butyl	F	CF3
10-880	4-xyanophenyl	H	H	F	H	H	H	Cl	I	nonaflo-2-butyl	Cl	CF3
10-881	2,6-điflophenyl	H	H	F	H	H	H	Cl	I	nonaflo-2-butyl	Br	CF3
10-882	3,4-điclophenyl	H	H	F	H	H	H	Cl	I	nonaflo-2-butyl	I	CF3
10-883	2,4-điclophenyl	H	H	F	H	H	H	Cl	Me	nonaflo-2-butyl	H	CF3
10-884	2-clo-4-flophenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	Me	CF3
10-885	2-clo-4,5-điflophenyl	i-Pr	H	F	H	H	H	Cl	Et	nonaflo-2-butyl	H	CF3
10-886	4-brom-2-clophenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	Et	CF3
10-887	2-brom-4-clophenyl	H	H	F	H	H	H	Cl	n-Pr	nonaflo-2-butyl	H	CF3
10-888	2-brom-4-flophenyl	H	i-Pr	F	H	H	H	Cl	H	nonaflo-2-butyl	n-Pr	CF3
10-889	2-clo-4-nitrophenyl	i-Pr	i-Pr	F	H	H	H	Cl	i-Pr	nonaflo-2-butyl	H	CF3
10-890	3,5-đixyanophenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	i-Pr	CF3

10-891	4-xyano-2-flophenyl	H	H	F	H	H	H	Cl	n-Bu	nonaflo-2-butyl	H	CF3
10-892	2-clo-4-xyanophenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	n-Bu	CF3
10-893	pyriđin-3-yl	H	H	F	H	H	H	Cl	i-Bu	nonaflo-2-butyl	H	CF3
10-894	2-flopyriđin-3-yl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	i-Bu	CF3
10-895	2-clopyriđin-3-yl	H	H	F	H	H	H	Cl	s-Bu	nonaflo-2-butyl	H	C2F5
10-896	2-brompyriđin-3-yl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	s-Bu	CF3
10-897	2-iođopyriđin-3-yl	H	H	F	H	H	H	Cl	Me	nonaflo-2-butyl	Me	n-C3F7
10-898	2-(triflometyl) pyriđin-3-yl	H	H	F	H	H	H	Cl	Me	nonaflo-2-butyl	Et	i-C3F7
10-899	2-nitropyriđin-3-yl	C(O)Me	H	F	H	H	H	Cl	Me	nonaflo-2-butyl	n-Pr	CF3
10-900	2-xyanopyriđin-3-yl	H	H	F	H	H	H	Cl	Me	nonaflo-2-butyl	i-Pr	CF3
10-901	6-flopyriđin-3-yl	H	H	F	H	H	H	Cl	Me	nonaflo-2-butyl	n-Bu	CF3
10-902	6-clopyriđin-3-yl	H	H	F	H	H	H	Cl	Me	nonaflo-2-butyl	i-Bu	CF3
10-903	6-brompyriđin-3-yl	H	C(O)Me	F	H	H	H	Cl	Me	nonaflo-2-butyl	s-Bu	CF3
10-904	6-iođopyriđin-3-yl	H	H	F	H	H	H	Cl	Et	nonaflo-2-butyl	Me	n-C3F7
10-905	6-(triflometyl) pyriđin-3-yl	H	H	F	H	H	H	Cl	Et	nonaflo-2-butyl	Et	i-C3F7
10-906	6-nitropyriđin-3-yl	C(O)Me	C(O)Me	F	H	H	H	Cl	Et	nonaflo-2-butyl	n-Pr	CF3
10-907	6-xyanopyriđin-3-yl	H	H	F	H	H	H	Cl	Et	nonaflo-2-butyl	i-Pr	CF3
10-908	phenyl	H	H	F	H	H	H	Br	Et	heptafloisopropyl	n-Bu	CF3
10-909	5-flopyriđin-3-yl	H	H	F	H	H	H	Br	Et	heptafloisopropyl	i-Bu	CF3
10-910	5-clopyriđin-3-yl	H	H	F	H	H	H	Br	Et	heptafloisopropyl	s-Bu	CF3
10-911	5-brompyriđin-3-yl	H	H	F	H	H	H	Br	n-Pr	heptafloisopropyl	Me	CF3
10-912	5-iođopyriđin-3-yl	H	H	F	H	H	H	Br	n-Pr	heptafloisopropyl	Et	CF3
10-913	5-(triflometyl) pyriđin-3-yl	Me	Et	F	H	H	H	Br	n-Pr	pentafloetyl	n-Pr	CF3
10-914	5-nitropyriđin-3-yl	H	H	F	H	H	H	Br	n-Pr	heptafloisopropyl	i-Pr	CF3
10-915	5-xyanopyriđin-3-yl	H	H	F	H	H	H	Br	n-Pr	pentafloetyl	n-Bu	CF3
10-916	4-flopyriđin-3-yl	H	H	F	H	H	H	Br	n-Pr	heptafloisopropyl	i-Bu	CF3
10-917	4-clopyriđin-3-yl	H	H	F	H	H	H	Br	n-Pr	heptafloisopropyl	s-Bu	CF3
10-918	4-brompyriđin-3-yl	Me	n-Pr	F	H	H	H	Br	i-Pr	heptafloisopropyl	Me	CF3
10-919	4-iođopyriđin-3-yl	H	H	F	H	H	H	Br	i-Pr	heptafloisopropyl	Et	CF3
10-920	4-(triflometyl) pyriđin-3-yl	H	H	F	H	H	H	Br	i-Pr	heptafloisopropyl	n-Pr	CF3
10-921	4-nitropyriđin-3-yl	H	H	F	H	H	H	Br	i-Pr	heptafloisopropyl	i-Pr	CF3
10-922	4-xyanopyriđin-3-yl	H	H	F	H	H	H	Br	i-Pr	heptafloisopropyl	n-Bu	CF3
10-923	2,6-điclopyriđin-3-yl	H	H	F	H	H	H	Br	i-Pr	heptafloisopropyl	i-Bu	CF3
10-924	pyriđin-3-yl N-oxit	Me	i-Pr	F	H	H	H	Br	i-Pr	heptafloisopropyl	s-Bu	CF3

Bảng 10(3)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
10-925	pyriđin-4-yl	H	H	F	H	H	H	Br	n-Bu	heptafloisopropyl	Me	CF3
10-926	2-clopyriđin-4-yl	H	H	F	H	H	H	Br	n-Bu	heptafloisopropyl	Et	CF3
10-927	3-brompyriđin-4-yl	H	H	F	H	H	H	Br	n-Bu	heptafloisopropyl	n-Pr	CF3
10-928	3,5-điclopyriđin-4-yl	H	H	F	H	H	H	Br	n-Bu	nonaflo-2-butyl	i-Pr	CF3
10-929	3-(triflometyl) pyriđin-4-yl	H	H	F	H	H	H	Br	n-Bu	nonaflo-2-butyl	n-Bu	CF3
10-930	2,6-đixyanopyriđin-4-yl	H	H	F	H	H	H	Br	n-Bu	nonaflo-2-butyl	i-Bu	CF3
10-931	pyriđin-4-yl N-oxit	Me	C(O)Me	F	H	H	H	Br	n-Bu	nonaflo-2-butyl	s-Bu	CF3
10-932	pyriđin-2-yl	H	H	F	H	H	H	Br	i-Bu	nonaflo-2-butyl	Me	CF3
10-933	3-clopyriđin-2-yl	H	H	F	H	H	H	Br	i-Bu	nonaflo-2-butyl	Et	CF3
10-934	4-brompyriđin-2-yl	H	H	F	H	H	H	Br	i-Bu	nonaflo-2-butyl	n-Pr	CF3
10-935	5-iođopyriđin-2-yl	H	H	F	H	H	H	Br	i-Bu	nonaflo-2-butyl	i-Pr	CF3
10-936	6-clopyriđin-2-yl	H	H	F	H	H	H	Br	i-Bu	nonaflo-2-butyl	n-Bu	CF3
10-937	4-xyanopyriđin-2-yl	H	H	F	H	H	H	Br	i-Bu	nonaflo-2-butyl	i-Bu	CF3
10-938	phenyl	H	H	F	H	H	H	Br	i-Bu	nonaflo-2-butyl	s-Bu	C2F5
10-939	2-flophenyl	H	H	F	H	H	H	Br	s-Bu	nonaflo-2-butyl	Me	CF3
10-940	3-flophenyl	H	H	F	H	H	H	Br	s-Bu	nonaflo-2-butyl	Et	CF3
10-941	4-flophenyl	H	H	F	H	H	H	Br	s-Bu	nonaflo-2-butyl	n-Pr	CF3
10-942	2-clophenyl	H	H	F	H	H	H	Br	s-Bu	nonaflo-2-butyl	i-Pr	CF3
10-943	3-clophenyl	H	H	F	H	H	H	Br	s-Bu	nonaflo-2-butyl	n-Bu	CF3
10-944	4-clophenyl	H	H	F	H	H	H	Br	s-Bu	nonaflo-2-butyl	i-Bu	CF3
10-945	2-bromphenyl	Et	Me	F	H	H	H	Br	s-Bu	nonaflo-2-butyl	s-Bu	CF3
10-946	3-bromphenyl	H	H	F	H	H	H	Br	F	nonaflo-2-butyl	Me	CF3
10-947	4-bromphenyl	H	H	F	H	H	H	Br	F	nonaflo-2-butyl	Et	CF3
10-948	2-iođophenyl	H	H	F	H	H	H	Br	F	nonaflo-2-butyl	n-Pr	CF3
10-949	3-iođophenyl	H	H	F	H	H	H	Br	F	nonaflo-2-butyl	i-Pr	CF3
10-950	4-iođophenyl	H	H	F	H	H	H	Br	F	nonaflo-2-butyl	n-Bu	CF3
10-951	(2-triflometyl) phenyl	H	H	F	H	H	H	Br	F	nonaflo-2-butyl	i-Bu	CF3
10-952	(3-triflometyl) phenyl	Et	n-Pr	F	H	H	H	Br	F	nonaflo-2-butyl	s-Bu	CF3
10-953	(4-triflometyl) phenyl	Et	i-Pr	F	H	H	H	Br	Cl	nonaflo-2-butyl	Me	CF3
10-954	2-nitrophenyl	H	H	F	H	H	H	Br	Cl	nonaflo-2-butyl	Et	CF3
10-955	phenyl	H	H	F	H	H	H	I	Cl	pentafloetyl	n-Pr	i-C3F7
10-956	3-nitrophenyl	H	H	F	H	H	H	I	Cl	heptafloisopropyl	i-Pr	CF3
10-957	4-nitrophenyl	H	H	F	H	H	H	I	Cl	heptafloisopropyl	n-Bu	CF3
10-958	2-xyanophenyl	Et	C(O)Me	F	H	H	H	I	Cl	heptafloisopropyl	i-Bu	CF3

10-959	3-xyanophenyl	H	H	F	H	H	H	I	Cl	heptafloisopropyl	s-Bu	CF3
10-960	4-xyanophenyl	H	H	F	H	H	H	I	Br	heptafloisopropyl	Me	CF3
10-961	2,6-điflophenyl	H	H	F	H	H	H	I	Br	heptafloisopropyl	Et	CF3
10-962	3,4-điclophenyl	H	H	F	H	H	H	I	Br	pentafloetyl	n-Pr	CF3
10-963	2,4-điclophenyl	H	H	F	H	H	H	I	Br	heptafloisopropyl	i-Pr	CF3
10-964	2-clo-4-flophenyl	H	H	F	H	H	H	I	Br	heptafloisopropyl	n-Bu	CF3
10-965	2-clo-4,5-điflophenyl	H	H	F	H	H	H	I	Br	heptafloisopropyl	i-Bu	CF3
10-966	4-brom-2-clophenyl	H	H	F	H	H	H	I	Br	heptafloisopropyl	s-Bu	CF3
10-967	2-brom-4-clophenyl	n-Pr	Me	F	H	H	H	I	I	heptafloisopropyl	Me	CF3
10-968	2-brom-4-flophenyl	H	H	F	H	H	H	I	I	heptafloisopropyl	Et	CF3
10-969	2-clo-4-nitrophenyl	n-Pr	Et	F	H	H	H	I	I	heptafloisopropyl	n-Pr	CF3
10-970	3,5-đixyanophenyl	H	H	F	H	H	H	I	I	heptafloisopropyl	i-Pr	CF3
10-971	4-xyano-2-flophenyl	H	H	F	H	H	H	I	I	heptafloisopropyl	n-Bu	CF3
10-972	2-clo-4-xyanophenyl	H	H	F	H	H	H	I	I	heptafloisopropyl	i-Bu	CF3
10-973	pyriđin-3-yl	H	H	F	H	H	H	I	I	heptafloisopropyl	s-Bu	CF3
10-974	2-flopyriđin-3-yl	H	H	F	H	H	H	I	Me	heptafloisopropyl	F	C2F5
10-975	2-clopyriđin-3-yl	H	H	F	H	H	H	I	Me	nonaflo-2-butyl	Cl	CF3
10-976	2-brompyriđin-3-yl	H	H	F	H	H	H	I	Me	nonaflo-2-butyl	Br	n-C3F7
10-977	2-iođopyriđin-3-yl	H	H	F	H	H	H	I	Me	nonaflo-2-butyl	I	i-C3F7
10-978	2-(triflometyl) pyriđin-3-yl	H	H	F	H	H	H	I	Et	nonaflo-2-butyl	F	CF3
10-979	2-nitropyriđin-3-yl	H	H	F	H	H	H	I	Et	nonaflo-2-butyl	Cl	CF3
10-980	2-xyanopyriđin-3-yl	H	H	F	H	H	H	I	Et	nonaflo-2-butyl	Br	CF3
10-981	6-flopyriđin-3-yl	n-Pr	i-Pr	F	H	H	H	I	Et	nonaflo-2-butyl	I	C2F5
10-982	6-clopyriđin-3-yl	H	H	F	H	H	H	I	n-Pr	nonaflo-2-butyl	F	CF3
10-983	6-brompyriđin-3-yl	H	H	F	H	H	H	I	n-Pr	nonaflo-2-butyl	Cl	CF3
10-984	6-iođopyriđin-3-yl	H	H	F	H	H	H	I	n-Pr	nonaflo-2-butyl	Br	CF3
10-985	6-(triflometyl) pyriđin-3-yl	H	H	F	H	H	H	I	n-Pr	nonaflo-2-butyl	I	n-C3F7
10-986	6-nitropyriđin-3-yl	H	H	F	H	H	H	I	i-Pr	nonaflo-2-butyl	F	i-C3F7
10-987	6-xyanopyriđin-3-yl	H	H	F	H	H	H	I	i-Pr	nonaflo-2-butyl	Cl	CF3
10-988	5-flopyriđin-3-yl	n-Pr	C(O)Me	F	H	H	H	I	i-Pr	nonaflo-2-butyl	Br	CF3

Bảng 10(4)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
10-989	5-clopyriđin-3-yl	H	H	F	H	H	H	I	i-Pr	nonaflo-2-butyl	I	CF3
10-990	5-brompyriđin-3-yl	H	H	F	H	H	H	I	n-Bu	nonaflo-2-butyl	F	CF3
10-991	5-iođopyriđin-3-yl	H	H	F	H	H	H	I	n-Bu	nonaflo-2-butyl	Cl	CF3
10-992	5-(triflometyl) pyriđin-3-yl	H	H	F	H	H	H	I	n-Bu	nonaflo-2-butyl	Br	CF3
10-993	5-nitropyriđin-3-yl	i-Pr	Me	F	H	H	H	I	n-Bu	nonaflo-2-butyl	I	CF3
10-994	5-xyanopyriđin-3-yl	H	H	F	H	H	H	I	i-Bu	nonaflo-2-butyl	F	CF3
10-995	4-flopyriđin-3-yl	H	H	F	H	H	H	I	i-Bu	nonaflo-2-butyl	Cl	CF3
10-996	4-clopyriđin-3-yl	H	H	F	H	H	H	I	i-Bu	nonaflo-2-butyl	Br	CF3
10-997	4-brompyriđin-3-yl	i-Pr	Et	F	H	H	H	I	i-Bu	nonaflo-2-butyl	I	CF3
10-998	4-iođopyriđin-3-yl	i-Pr	n-Pr	F	H	H	H	I	s-Bu	nonaflo-2-butyl	F	CF3
10-999	4-(triflometyl) pyriđin-3-yl	H	H	F	H	H	H	I	s-Bu	nonaflo-2-butyl	Cl	CF3
10-1000	4-nitropyriđin-3-yl	i-Pr	C(O)Me	F	H	H	H	I	s-Bu	nonaflo-2-butyl	Br	CF3
10-1001	4-xyanopyriđin-3-yl	H	H	F	H	H	H	I	s-Bu	nonaflo-2-butyl	I	CF3
10-1010	3-bromphenyl	H	Et	F	H	H	H	OCF3	F	heptafloisopropyl	F	OCF3
10-1040	2-iođopyriđin-3-yl	H	H	F	H	H	H	OCF3	Me	nonaflo-2-butyl	Me	OCF3
10-1153	3-bromphenyl	H	Et	F	H	H	H	OCF3	F	heptafloisopropyl	F	CF3
10-1183	2-iođopyriđin-3-yl	H	H	F	H	H	H	OCF3	Me	nonaflo-2-butyl	Me	CF3
10-1296	3-bromphenyl	H	Et	F	H	H	H	CF3	F	heptafloisopropyl	F	CF3
10-1326	2-iođopyriđin-3-yl	H	H	F	H	H	H	CF3	Me	nonaflo-2-butyl	Me	CF3
10-1439	3-bromphenyl	H	Et	H	F	H	H	Cl	F	heptafloisopropyl	F	Cl
10-1469	2-iođopyriđin-3-yl	H	H	H	F	H	H	Cl	Me	nonaflo-2-butyl	Me	I
10-1582	3-bromphenyl	H	Et	H	F	H	H	Cl	F	heptafloisopropyl	F	OCF3
10-1612	2-iođopyriđin-3-yl	H	H	H	F	H	H	Cl	Me	nonaflo-2-butyl	Me	OCF3
10-1726	4-bromphenyl	H	H	H	F	H	H	Cl	F	heptafloisopropyl	Cl	CF3
10-1733	2-nitrophenyl	H	n-Pr	H	F	H	H	Cl	Br	heptafloisopropyl	F	CF3
10-1741	2,4-điclophenyl	H	H	H	F	H	H	Cl	Me	nonaflo-2-butyl	H	CF3
10-1742	2-clo-4-flophenyl	H	H	H	F	H	H	Cl	H	nonaflo-2-butyl	Me	CF3
10-1743	2-clo-4,5-điflophenyl	i-Pr	H	H	F	H	H	Cl	Et	nonaflo-2-butyl	H	CF3
10-1744	4-brom-2-clophenyl	H	H	H	F	H	H	Cl	H	nonaflo-2-butyl	Et	CF3
10-1755	2-iođopyriđin-3-yl	H	H	H	F	H	H	Cl	Me	nonaflo-2-butyl	Me	n-C3F7
10-1756	2-(triflometyl) pyriđin-3-yl	H	H	H	F	H	H	Cl	Me	nonaflo-2-butyl	Et	i-C3F7

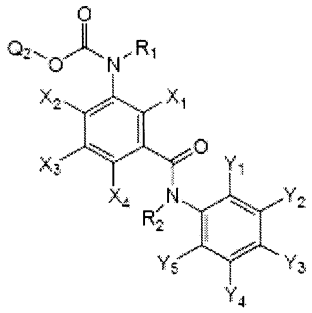
10-1762	6-iodopyriđin-3-yl	H	H	H	F	H	H	Cl	Et	nonaflo-2-butyl	Me	n-C3F7
10-1763	6-(triflometyl) pyriđin-3-yl	H	H	H	F	H	H	Cl	Et	nonaflo-2-butyl	Et	i-C3F7
10-1769	5-brompyriđin-3-yl	H	H	H	F	H	H	Br	n-Pr	heptafloisopropyl	Me	CF3
10-1770	5-iodopyriđin-3-yl	H	H	H	F	H	H	Br	n-Pr	heptafloisopropyl	Et	CF3
10-1776	4-brompyriđin-3-yl	Me	n-Pr	H	F	H	H	Br	i-Pr	heptafloisopropyl	Me	CF3
10-1777	4-iodopyriđin-3-yl	H	H	H	F	H	H	Br	i-Pr	heptafloisopropyl	Et	CF3
10-1783	pyriđin-4-yl	H	H	H	F	H	H	Br	n-Bu	heptafloisopropyl	Me	CF3
10-1784	2-clopyriđin-4-yl	H	H	H	F	H	H	Br	n-Bu	heptafloisopropyl	Et	CF3
10-1790	pyriđin-2-yl	H	H	H	F	H	H	Br	i-Bu	nonaflo-2-butyl	Me	CF3
10-1791	3-clopyriđin-2-yl	H	H	H	F	H	H	Br	i-Bu	nonaflo-2-butyl	Et	CF3
10-1797	2-flophenyl	H	H	H	F	H	H	Br	s-Bu	nonaflo-2-butyl	Me	CF3
10-1798	3-flophenyl	H	H	H	F	H	H	Br	s-Bu	nonaflo-2-butyl	Et	CF3
10-1804	3-bromphenyl	H	H	H	F	H	H	Br	F	nonaflo-2-butyl	Me	CF3
10-1805	4-bromphenyl	H	H	H	F	H	H	Br	F	nonaflo-2-butyl	Et	CF3
10-1811	(4-triflometyl) phenyl	Et	i-Pr	H	F	H	H	Br	Cl	nonaflo-2-butyl	Me	CF3
10-1812	2-nitrophenyl	H	H	H	F	H	H	Br	Cl	nonaflo-2-butyl	Et	CF3
10-1818	4-xyanophenyl	H	H	H	F	H	H	I	Br	heptafloisopropyl	Me	CF3
10-1819	2,6-điflophenyl	H	H	H	F	H	H	I	Br	heptafloisopropyl	Et	CF3
10-1825	2-brom-4-clophenyl	n-Pr	Me	H	F	H	H	I	I	heptafloisopropyl	Me	CF3
10-1826	2-brom-4-flophenyl	H	H	H	F	H	H	I	I	heptafloisopropyl	Et	CF3
10-1832	2-flopyriđin-3-yl	H	H	H	F	H	H	I	Me	heptafloisopropyl	F	C2F5
10-1833	2-clopyriđin-3-yl	H	H	H	F	H	H	I	Me	nonaflo-2-butyl	Cl	CF3
10-1834	2-brompyriđin-3-yl	H	H	H	F	H	H	I	Me	nonaflo-2-butyl	Br	n-C3F7
10-1837	2-nitropyriđin-3-yl	H	H	H	F	H	H	I	Et	nonaflo-2-butyl	Cl	CF3
10-1838	2-xyanopyriđin-3-yl	H	H	H	F	H	H	I	Et	nonaflo-2-butyl	Br	CF3
10-1841	6-brompyriđin-3-yl	H	H	H	F	H	H	I	n-Pr	nonaflo-2-butyl	Cl	CF3
10-1842	6-iodopyriđin-3-yl	H	H	H	F	H	H	I	n-Pr	nonaflo-2-butyl	Br	CF3
10-1845	6-xyanopyriđin-3-yl	H	H	H	F	H	H	I	i-Pr	nonaflo-2-butyl	Cl	CF3
10-1846	5-flopyriđin-3-yl	n-Pr	C(O)Me	H	F	H	H	I	i-Pr	nonaflo-2-butyl	Br	CF3
10-1849	5-iodopyriđin-3-yl	H	H	H	F	H	H	I	n-Bu	nonaflo-2-butyl	Cl	CF3
10-1850	5-(triflometyl) pyriđin-3-yl	H	H	H	F	H	H	I	n-Bu	nonaflo-2-butyl	Br	CF3
10-1853	4-flopyriđin-3-yl	H	H	H	F	H	H	I	i-Bu	nonaflo-2-butyl	Cl	CF3
10-1854	4-clopyriđin-3-yl	H	H	H	F	H	H	I	i-Bu	nonaflo-2-butyl	Br	CF3
10-1857	4-(triflometyl) pyriđin-3-yl	H	H	H	F	H	H	I	s-Bu	nonaflo-2-butyl	Cl	CF3
10-1858	4-nitropyriđin-3-yl	i-Pr	C(O)Me	H	F	H	H	I	s-Bu	nonaflo-2-butyl	Br	CF3

10-1898	2-iodopyridin-3-yl	H	H	H	F	H	H	OCF3	Me	nonaflo-2-butyl	Me	OCF3
10-2011	3-bromphenyl	H	Et	H	F	H	H	OCF3	F	heptafloisopropyl	F	CF3
10-2041	2-iodopyridin-3-yl	H	H	H	F	H	H	OCF3	Me	nonaflo-2-butyl	Me	CF3
10-2154	3-bromphenyl	H	Et	H	F	H	H	CF3	F	heptafloisopropyl	F	CF3
10-2184	2-iodopyridin-3-yl	H	H	H	F	H	H	CF3	Me	nonaflo-2-butyl	Me	CF3
10-2297	3-bromphenyl	H	Et	F	F	H	H	Cl	F	heptafloisopropyl	F	Cl
10-2327	2-iodopyridin-3-yl	H	H	F	F	H	H	Cl	Me	nonaflo-2-butyl	Me	I
10-2440	3-bromphenyl	H	Et	F	F	H	H	Cl	F	heptafloisopropyl	F	OCF3

Bảng 10(5)

Số hợp chất	Q1	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
10-2470	2-iođopyriđin-3-yl	H	H	F	F	H	H	Cl	Me	nonaflo-2-butyl	Me	OCF3
10-2584	4-bromphenyl	H	H	F	F	H	H	Cl	F	heptafloisopropyl	Cl	CF3
10-2594	2-xyanophenyl	n-Pr	n-Pr	F	F	H	H	Cl	Br	pentafloetyl	I	CF3
10-2599	2,4-diclophenyl	H	H	F	F	H	H	Cl	Me	nonaflo-2-butyl	H	CF3
10-2600	2-clo-4-flophenyl	H	H	F	F	H	H	Cl	H	nonaflo-2-butyl	Me	CF3
10-2613	2-iođopyriđin-3-yl	H	H	F	F	H	H	Cl	Me	nonaflo-2-butyl	Me	n-C3F7
10-2614	2-(triflometyl) pyriđin-3-yl	H	H	F	F	H	H	Cl	Me	nonaflo-2-butyl	Et	i-C3F7
10-2620	6-iođopyriđin-3-yl	H	H	F	F	H	H	Cl	Et	nonaflo-2-butyl	Me	n-C3F7
10-2621	6-(triflometyl) pyriđin-3-yl	H	H	F	F	H	H	Cl	Et	nonaflo-2-butyl	Et	i-C3F7
10-2627	5-brompyriđin-3-yl	H	H	F	F	H	H	Br	n-Pr	heptafloisopropyl	Me	CF3
10-2628	5-iođopyriđin-3-yl	H	H	F	F	H	H	Br	n-Pr	heptafloisopropyl	Et	CF3
10-2634	4-brompyriđin-3-yl	Me	n-Pr	F	F	H	H	Br	i-Pr	heptafloisopropyl	Me	CF3
10-2635	4-iođopyriđin-3-yl	H	H	F	F	H	H	Br	i-Pr	heptafloisopropyl	Et	CF3
10-2641	pyriđin-4-yl	H	H	F	F	H	H	Br	n-Bu	heptafloisopropyl	Me	CF3
10-2642	2-clopyriđin-4-yl	H	H	F	F	H	H	Br	n-Bu	heptafloisopropyl	Et	CF3
10-2648	pyriđin-2-yl	H	H	F	F	H	H	Br	i-Bu	nonaflo-2-butyl	Me	CF3
10-2649	3-clopyriđin-2-yl	H	H	F	F	H	H	Br	i-Bu	nonaflo-2-butyl	Et	CF3
10-2655	2-flophenyl	H	H	F	F	H	H	Br	s-Bu	nonaflo-2-butyl	Me	CF3
10-2656	3-flophenyl	H	H	F	F	H	H	Br	s-Bu	nonaflo-2-butyl	Et	CF3
10-2662	3-bromphenyl	H	H	F	F	H	H	Br	F	nonaflo-2-butyl	Me	CF3
10-2663	4-bromphenyl	H	H	F	F	H	H	Br	F	nonaflo-2-butyl	Et	CF3
10-2669	(4-triflometyl) phenyl	Et	i-Pr	F	F	H	H	Br	Cl	nonaflo-2-butyl	Me	CF3
10-2670	2-nitrophenyl	H	H	F	F	H	H	Br	Cl	nonaflo-2-butyl	Et	CF3
10-2676	4-xyanophenyl	H	H	F	F	H	H	I	Br	heptafloisopropyl	Me	CF3
10-2677	2,6-điflophenyl	H	H	F	F	H	H	I	Br	heptafloisopropyl	Et	CF3
10-2683	2-brom-4-clophenyl	n-Pr	Me	F	F	H	H	I	I	heptafloisopropyl	Me	CF3
10-2684	2-brom-4-flophenyl	H	H	F	F	H	H	I	I	heptafloisopropyl	Et	CF3
10-2690	2-flopyriđin-3-yl	H	H	F	F	H	H	I	Me	heptafloisopropyl	F	C2F5
10-2691	2-clopyriđin-3-yl	H	H	F	F	H	H	I	Me	nonaflo-2-butyl	Cl	CF3
10-2694	2-(triflometyl pyriđin-3-yl	H	H	F	F	H	H	I	Et	nonaflo-2-butyl	F	CF3
10-2695	2-nitropyriđin-3-yl	H	H	F	F	H	H	I	Et	nonaflo-2-butyl	Cl	CF3
10-2698	6-clopyriđin-3-yl	H	H	F	F	H	H	I	n-Pr	nonaflo-2-butyl	F	CF3
10-2699	6-brompyriđin-3-yl	H	H	F	F	H	H	I	n-Pr	nonaflo-2-butyl	Cl	CF3
10-2702	6-nitropyriđin-3-yl	H	H	F	F	H	H	I	i-Pr	nonaflo-2-butyl	F	i-C3F7

10-2703	6-xyanopyriđin-3-yl	H	H	F	F	H	H	I	i-Pr	nonaflo-2-butyl	Cl	CF3
10-2706	5-brompyriđin-3-yl	H	H	F	F	H	H	I	n-Bu	nonaflo-2-butyl	F	CF3
10-2707	5-iođopyriđin-3-yl	H	H	F	F	H	H	I	n-Bu	nonaflo-2-butyl	Cl	CF3
10-2710	5-xyanopyriđin-3-yl	H	H	F	F	H	H	I	i-Bu	nonaflo-2-butyl	F	CF3
10-2711	4-flopyriđin-3-yl	H	H	F	F	H	H	I	i-Bu	nonaflo-2-butyl	Cl	CF3
10-2714	4-iođopyriđin-3-yl	i-Pr	n-Pr	F	F	H	H	I	s-Bu	nonaflo-2-butyl	F	CF3
10-2715	4-(triflometyl) pyriđin-3-yl	H	H	F	F	H	H	I	s-Bu	nonaflo-2-butyl	Cl	CF3
10-2726	3-bromphenyl	H	Et	F	F	H	H	OCF3	F	heptafloisopropyl	F	OCF3
10-2756	2-iođopyriđin-3-yl	H	H	F	F	H	H	OCF3	Me	nonaflo-2-butyl	Me	OCF3
10-2869	3-bromphenyl	H	Et	F	F	H	H	OCF3	F	heptafloisopropyl	F	CF3
10-2899	2-iođopyriđin-3-yl	H	H	F	F	H	H	OCF3	Me	nonaflo-2-butyl	Me	CF3
10-3012	3-bromphenyl	H	Et	F	F	H	H	CF3	F	heptafloisopropyl	F	CF3
10-3042	2-iođopyriđin-3-yl	H	H	F	F	H	H	CF3	Me	nonaflo-2-butyl	Me	CF3
10-3147	phenyl	H	H	F	F	F	H	Cl	F	pentafloetyl	H	Cl
10-3168	phenyl	H	H	H	H	F	H	Cl	I	pentafloetyl	Cl	Cl
10-3189	phenyl	H	H	H	H	H	F	Cl	Me	pentafloetyl	n-Bu	Cl
10-3198	phenyl	H	H	F	H	F	H	Cl	Et	pentafloetyl	s-Bu	Cl
10-3218	phenyl	H	H	F	H	H	F	Cl	n-Bu	pentafloetyl	i-Bu	Cl
10-3227	phenyl	H	H	H	F	F	H	Cl	s-Bu	pentafloetyl	Me	Cl
10-3236	phenyl	H	H	H	F	H	F	Cl	F	pentafloetyl	n-Pr	Cl
10-3245	phenyl	H	H	H	H	F	F	Cl	Cl	pentafloetyl	n-Bu	Cl
10-3254	phenyl	H	H	F	F	H	F	Cl	Br	pentafloetyl	s-Bu	Cl
10-3263	phenyl	H	H	F	H	F	F	Cl	Me	pentafloetyl	Cl	Cl
10-3272	phenyl	H	H	H	F	F	F	Cl	n-Pr	pentafloetyl	Br	Cl
10-3281	phenyl	i-Pr	Me	F	F	F	F	Cl	n-Bu	pentafloetyl	I	Cl



Bảng 11(1)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
11-1	2,2,2-tricloetyl	H	H	H	H	H	H	F	H	heptafloisopropyl	H	OCF3
11-2	2,2,2-tricloetyl	H	H	H	H	H	H	F	H	nonaflo-2-butyl	H	OCF3
11-13	2,2,2-tricloetyl	H	H	H	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
11-42	2,2,2-tricloetyl	H	H	H	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
11-71	2,2,2-tricloetyl	H	H	H	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-100	2,2,2-tricloetyl	H	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-129	2,2,2-tricloetyl	H	H	H	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-158	2,2,2-tricloetyl	H	H	H	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-189	2,2,2-tricloetyl	H	H	H	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-218	2,2,2-tricloetyl	H	H	H	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-247	2,2,2-tricloetyl	H	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-260	4,4,4-triflo-n-butyl	H	H	H	H	H	H	Br	H	pentafloetyl	H	CF3
11-276	2,2,2-tricloetyl	H	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-289	4,4,4-triflo-n-butyl	H	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-305	2,2,2-tricloetyl	H	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
11-318	4,4,4-triflo-n-butyl	H	H	H	H	H	H	I	H	heptafloisopropyl	H	C2F5
11-334	2,2,2-tricloetyl	H	H	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-347	4,4,4-triflo-n-butyl	H	H	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-363	2,2,2-tricloetyl	H	H	H	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
11-392	2,2,2-tricloetyl	H	H	H	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
11-421	2,2,2-tricloetyl	H	H	H	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
11-450	2,2,2-tricloetyl	H	H	H	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
11-479	2,2,2-tricloetyl	H	H	H	H	H	H	CF3	H	heptafloisopropyl	H	CF3
11-508	2,2,2-tricloetyl	H	H	H	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
11-527	2,2,2-tricloetyl	H	H	F	H	H	H	F	H	heptafloisopropyl	H	F

11-528	2,2,2-tricloetyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	Cl
11-529	2,2,2-tricloetyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	Br
11-530	2,2,2-tricloetyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	I
11-531	2,2,2-tricloetyl	H	H	F	H	H	H	F	H	heptafloisopropyl	H	OCF3
11-532	2,2,2-tricloetyl	H	H	F	H	H	H	F	H	nonaflo-2-butyl	H	OCF3
11-543	2,2,2-tricloetyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
11-556	4,4,4-triflo-n-butyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
11-572	2,2,2-tricloetyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
11-585	4,4,4-triflo-n-butyl	H	H	F	H	H	H	Cl	H	pentafloetyl	H	OCF3
11-591	metyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-592	etyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-593	2-floetyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-594	2-cloetyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-595	2-brometyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-596	2-iođoetyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OC2F5
11-597	2-xyanoetyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-598	2,2-đifloetyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-599	2,2-đicloetyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-600	2,2,2-trifloetyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-601	2,2,2-tricloetyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-602	2,2,2-tribrometyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-603	n-propyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-604	3-flo-n-propyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-605	3-clo-n-propyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-606	3-brom-n-propyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-607	i-propyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-608	1,2-điflo-2-propyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-609	1,3-điflo-2-propyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-610	1,3-điclo-2-propyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-611	1-clo-3-flo-2-propyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3

Bảng 11(2)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
11-612	3,3,3-triflo-n-propyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-613	n-butyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-614	4,4,4-triflo-n-butyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-615	i-butyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-616	s-butyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-617	vinyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-618	benzyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-619	phenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
11-620	metyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-621	etyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-622	2-floetyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-623	2-cloetyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-624	2-brometyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-625	2-iođoetyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-626	2-xyanoetyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-627	2,2-đifloetyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-628	2,2-đicloetyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-629	2,2,2-trifloetyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-630	2,2,2-tricloetyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-631	2,2,2-tribrometyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-632	n-propyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OC2F5
11-633	3-flo-n-propyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-634	3-clo-n-propyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-635	3-brom-n-propyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-636	i-propyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-637	1,2-điflo-2-propyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-638	1,3-điflo-2-propyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-639	1,3-điclo-2-propyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-640	1-clo-3-flo-2-propyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-641	3,3,3-triflo-n-propyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-642	n-butyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-643	4,4,4-triflo-n-butyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-644	i-butyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-645	s-butyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3

11-646	vinyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-647	benzyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-648	phenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-649	metyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-650	etyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-651	2-floetyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-652	2-cloetyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-653	2-brometyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-654	2-iođoetyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-655	2-xyanoetyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-656	2,2-đifloetyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-657	2,2-đicloetyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-658	2,2,2-trifloetyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-659	2,2,2-tricloetyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-660	2,2,2-tribrometyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-661	n-propyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-662	3-flo-n-propyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-663	3-clo-n-propyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OC2F5
11-664	3-brom-n-propyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-665	i-propyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-666	1,2-điflo-2-propyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-667	1,3-điflo-2-propyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-668	1,3-điclo-2-propyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-669	1-clo-3-flo-2-propyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-670	3,3,3-triflo-n-propyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-671	n-butyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-672	4,4,4-triflo-n-butyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-673	i-butyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-674	s-butyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-675	vinyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3

Bảng 11(3)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
11-676	benzyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-677	phenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
11-678	metyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-679	etyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-680	2-floetyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-681	2-cloetyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-682	2-brometyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-683	2-iođoetyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-684	2-xyanoetyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-685	2,2-đifloetyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-686	2,2-đicloetyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-687	2,2,2-trifloetyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-688	2,2,2-tricloetyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-689	2,2,2-tribrometyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-690	n-propyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-691	3-flo-n-propyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-692	3-clo-n-propyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-693	3-brom-n-propyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-694	i-propyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-695	1,2-điflo-2-propyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-696	1,3-điflo-2-propyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-697	1,3-điclo-2-propyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-698	1-clo-3-flo-2-propyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-699	3,3,3-triflo-n-propyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-700	n-butyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-701	4,4,4-triflo-n-butyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-702	i-butyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-703	s-butyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3

11-704	vinyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-705	benzyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OC2F5
11-706	phenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-707	2,2,2-tricloetyl	H	H	F	H	H	H	F	H	heptafloisopropyl	H	CF3
11-708	2,2,2-tricloetyl	H	H	F	H	H	H	F	H	nonaflo-2-butyl	H	CF3
11-709	metyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-710	etyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-711	2-floetyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-712	2-cloetyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-713	2-brometyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-714	2-iodoetyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-715	2-xyanoetyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	C2F5
11-716	2,2-difloetyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-717	2,2-dicloetyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-718	2,2,2-trifloetyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-719	2,2,2-tricloetyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-720	2,2,2-tribrometyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-721	n-propyl	H	H	F	H	H	H	Cl	H	pentafloetyl	H	CF3
11-722	3-flo-n-propyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-723	3-clo-n-propyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-724	3-brom-n-propyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-725	i-propyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
11-726	1,2-diflo-2-propyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-727	1,3-diflo-2-propyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-728	1,3-diclo-2-propyl	H	H	F	H	H	H	Cl	H	pentafloetyl	H	CF3
11-729	1-clo-3-flo-2-propyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-730	3,3,3-triflo-n-propyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-731	n-butyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-732	4,4,4-triflo-n-butyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-733	i-butyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3

11-734	s-butyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-735	vinyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-736	benzyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-737	phenyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
11-738	metyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-739	etyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7

Bảng 11(4)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
11-740	2-floetyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-741	2-cloetyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-742	2-brometyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-743	2-iođoetyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-744	2-xyanoetyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-745	2,2-đifloetyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-746	2,2-đicloetyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-747	2,2,2-trifloetyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-748	2,2,2-tricloetyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-749	2,2,2-tribrometyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-750	n-propyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-751	3-flo-n-propyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-752	3-clo-n-propyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-753	3-brom-n-propyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-754	i-propyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-755	1,2-điflo-2-propyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-756	1,3-điflo-2-propyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-757	1,3-điclo-2-propyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-758	1-clo-3-flo-2-propyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-759	3,3,3-triflo-n-propyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-760	n-butyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-761	4,4,4-triflo-n-butyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-762	i-butyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-763	s-butyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-764	vinyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-765	benzyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-766	phenyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-767	metyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-768	etyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3

11-769	2-floetyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-770	2-cloetyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-771	2-brometyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-772	2-iodoetyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-773	2-xyanoetyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	C2F5
11-774	2,2-difloetyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-775	2,2-dicloetyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-776	2,2,2-trifloetyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-777	2,2,2-tricloetyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-778	2,2,2-tribrometyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-779	n-propyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-780	3-flo-n-propyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-781	3-clo-n-propyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-782	3-brom-n-propyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-783	i-propyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-784	1,2-diflo-2-propyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	n-C3F7
11-785	1,3-diflo-2-propyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-786	1,3-diclo-2-propyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-787	1-clo-3-flo-2-propyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-788	3,3,3-triflo-n-propyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-789	n-butyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-790	4,4,4-triflo-n-butyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-791	i-butyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-792	s-butyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-793	vinyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-794	benzyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-795	phenyl	H	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
11-796	metyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-797	etyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-798	2-floetyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-799	2-cloetyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3

11-800	2-brometyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-801	2-iodoetyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-802	2-xyanoetyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-803	2,2-difloetyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3

Bảng 11(5)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
11-804	2,2-đicloetyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-805	2,2,2-trifloetyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-806	2,2,2-tricloetyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-807	2,2,2-tribrometyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-808	n-propyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-809	3-flo-n-propyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-810	3-clo-n-propyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-811	3-brom-n-propyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-812	i-propyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-813	1,2-điflo-2-propyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-814	1,3-điflo-2-propyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-815	1,3-điclo-2-propyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-816	1-clo-3-flo-2-propyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-817	3,3,3-triflo-n-propyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-818	n-butyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-819	4,4,4-triflo-n-butyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-820	i-butyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-821	s-butyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-822	vinyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-823	benzyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-824	phenyl	H	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	i-C3F7
11-825	metyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-826	etyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-827	2-floetyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-828	2-cloetyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-829	2-brometyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3

11-830	2-iodoetyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-831	2-xyanoetyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-832	2,2-difloetyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-833	2,2-dicloetyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-834	2,2,2-trifloetyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-835	2,2,2-tricloetyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-836	2,2,2-tribrometyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-837	n-propyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-838	3-flo-n-propyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-839	3-clo-n-propyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-840	3-brom-n-propyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	C2F5
11-841	i-propyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-842	1,2-diflo-2-propyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-843	1,3-diflo-2-propyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-844	1,3-diclo-2-propyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-845	1-clo-3-flo-2-propyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-846	3,3,3-triflo-n-propyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-847	n-butyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-848	4,4,4-triflo-n-butyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-849	i-butyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-850	s-butyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-851	vinyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-852	benzyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-853	phenyl	H	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
11-854	metyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-855	etyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-856	2-floetyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-857	2-cloetyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

11-858	2-brometyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-859	2-iodoetyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-860	2-xyanoetyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-861	2,2-difloetyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-862	2,2-dicloetyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-863	2,2,2-trifloetyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-864	2,2,2-tricloetyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-865	2,2,2-tribrometyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-866	n-propyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	n-C3F7
11-867	3-flo-n-propyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 11(6)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
11-868	3-clo-n-propyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-869	3-brom-n-propyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-870	i-propyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-871	1,2-điflo-2-propyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-872	1,3-điflo-2-propyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-873	1,3-điclo-2-propyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-874	1-clo-3-flo-2-propyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-875	3,3,3-triflo-n-propyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-876	n-butyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-877	4,4,4-triflo-n-butyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-878	i-butyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-879	s-butyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-880	vinyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	i-C3F7
11-881	benzyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-882	phenyl	H	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
11-893	2,2,2-tricloetyl	H	H	F	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
11-922	2,2,2-tricloetyl	H	H	F	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
11-951	2,2,2-tricloetyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
11-980	2,2,2-tricloetyl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
11-999	metyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
11-1000	etyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
11-1001	2-floetyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
11-1002	2-cloetyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
11-1003	2-brometyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
11-1004	2-iođoetyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
11-1005	2-xyanoetyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3

11-1006	2,2-đifloetyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
11-1007	2,2-đicloetyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
11-1008	2,2,2-trifloetyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
11-1009	2,2,2-tricloetyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
11-1010	2,2,2-tribrometyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
11-1011	n-propyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
11-1012	3-flo-n-propyl	H	H	F	H	H	H	C2F5	H	heptafloisopropyl	H	CF3
11-1013	3-clo-n-propyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
11-1014	3-brom-n-propyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
11-1015	i-propyl	H	H	F	H	H	H	i-C3F7	H	heptafloisopropyl	H	CF3
11-1016	1,2-điflo-2-propyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
11-1017	1,3-điflo-2-propyl	H	H	F	H	H	H	CF3	H	pentafloetyl	H	CF3
11-1018	1,3-điclo-2-propyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
11-1019	1-clo-3-flo-2-propyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
11-1020	3,3,3-triflo-n-propyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
11-1021	n-butyl	H	H	F	H	H	H	C2F5	H	heptafloisopropyl	H	C2F5
11-1022	4,4,4-triflo-n-butyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
11-1023	i-butyl	H	H	F	H	H	H	C2F5	H	heptafloisopropyl	H	n-C3F7
11-1024	s-butyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
11-1025	vinyl	H	H	F	H	H	H	n-C3F7	H	heptafloisopropyl	H	CF3
11-1026	benzyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
11-1027	phenyl	H	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
11-1030	2-floetyl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
11-1031	2-cloetyl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
11-1032	2-brometyl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
11-1033	2-iođoetyl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
11-1035	2,2-đifloetyl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
11-1036	2,2-đicloetyl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3

11-1037	2,2,2-trifloetyl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
11-1038	2,2,2-tricloetyl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
11-1039	2,2,2-tribrometyl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
11-1041	3-flo-n-propyl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
11-1042	3-clo-n-propyl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
11-1043	3-brom-n-propyl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
11-1045	1,2-điflo-2-propyl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
11-1046	1,3-điflo-2-propyl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
11-1047	1,3-điclo-2-propyl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
11-1048	1-clo-3-flo-2-propyl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3

Bảng 11(7)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
11-1049	3,3,3-triflo-n-propyl	H	H	F	H	H	H	n-C3F7	H	nonaflo-2-butyl	H	i-C3F7
11-1051	4,4,4-triflo-n-butyl	H	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
11-1057	2,2,2-tricloetyl	H	H	H	F	H	H	F	H	heptafloisopropyl	H	F
11-1058	2,2,2-tricloetyl	H	H	H	F	H	H	F	H	nonaflo-2-butyl	H	F
11-1069	2,2,2-tricloetyl	H	H	H	F	H	H	Cl	H	heptafloisopropyl	H	Cl
11-1098	2,2,2-tricloetyl	H	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
11-1127	2,2,2-tricloetyl	H	H	H	F	H	H	Br	H	heptafloisopropyl	H	Br
11-1156	2,2,2-tricloetyl	H	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	Br
11-1185	2,2,2-tricloetyl	H	H	H	F	H	H	I	H	heptafloisopropyl	H	I
11-1214	2,2,2-tricloetyl	H	H	H	F	H	H	I	H	nonaflo-2-butyl	H	I
11-1233	2,2,2-tricloetyl	H	H	H	F	H	H	F	H	heptafloisopropyl	H	Cl
11-1234	2,2,2-tricloetyl	H	H	H	F	H	H	F	H	heptafloisopropyl	H	Br
11-1235	2,2,2-tricloetyl	H	H	H	F	H	H	F	H	heptafloisopropyl	H	I
11-1236	2,2,2-tricloetyl	H	H	H	F	H	H	Cl	H	heptafloisopropyl	H	Br
11-1237	2,2,2-tricloetyl	H	H	H	F	H	H	Cl	H	heptafloisopropyl	H	I
11-1238	2,2,2-tricloetyl	H	H	H	F	H	H	Br	H	heptafloisopropyl	H	I
11-1239	2,2,2-tricloetyl	H	H	H	F	H	H	F	H	nonaflo-2-butyl	H	Cl
11-1240	2,2,2-tricloetyl	H	H	H	F	H	H	F	H	nonaflo-2-butyl	H	Br
11-1241	2,2,2-tricloetyl	H	H	H	F	H	H	F	H	nonaflo-2-butyl	H	I
11-1242	2,2,2-tricloetyl	H	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	Br
11-1243	2,2,2-tricloetyl	H	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	I
11-1244	2,2,2-tricloetyl	H	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	I
11-1245	2,2,2-tricloetyl	H	H	H	F	H	H	F	H	heptafloisopropyl	H	OCF3
11-1246	2,2,2-tricloetyl	H	H	H	F	H	H	F	H	nonaflo-2-butyl	H	OCF3
11-1257	2,2,2-tricloetyl	H	H	H	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
11-1286	2,2,2-tricloetyl	H	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3

11-1315	2,2,2-tricloetyl	H	H	H	F	H	H	Br	H	heptafloisopropyl	H	OCF3
11-1344	2,2,2-tricloetyl	H	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-1373	2,2,2-tricloetyl	H	H	H	F	H	H	I	H	heptafloisopropyl	H	OCF3
11-1402	2,2,2-tricloetyl	H	H	H	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-1421	2,2,2-tricloetyl	H	H	H	F	H	H	F	H	heptafloisopropyl	H	CF3
11-1422	2,2,2-tricloetyl	H	H	H	F	H	H	F	H	nonaflo-2-butyl	H	CF3
11-1433	2,2,2-tricloetyl	H	H	H	F	H	H	Cl	H	heptafloisopropyl	H	CF3
11-1461	2,2,2-trifloetyl	H	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-1491	2,2,2-tricloetyl	H	H	H	F	H	H	Br	H	heptafloisopropyl	H	CF3
11-1504	4,4,4-triflo-n-butyl	H	H	H	F	H	H	Br	H	heptafloisopropyl	H	CF3
11-1520	2,2,2-tricloetyl	H	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-1533	4,4,4-triflo-n-butyl	H	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-1548	2,2,2-trifloetyl	H	H	H	F	H	H	I	H	heptafloisopropyl	H	CF3
11-1562	4,4,4-triflo-n-butyl	H	H	H	F	H	H	I	H	heptafloisopropyl	H	CF3
11-1578	2,2,2-tricloetyl	H	H	H	F	H	H	I	H	nonaflo-2-butyl	H	CF3
11-1591	4,4,4-triflo-n-butyl	H	H	H	F	H	H	I	H	nonaflo-2-butyl	H	CF3
11-1607	2,2,2-tricloetyl	H	H	H	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
11-1636	2,2,2-tricloetyl	H	H	H	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
11-1665	2,2,2-tricloetyl	H	H	H	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
11-1694	2,2,2-tricloetyl	H	H	H	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
11-1723	2,2,2-tricloetyl	H	H	H	F	H	H	CF3	H	heptafloisopropyl	H	CF3
11-1752	2,2,2-tricloetyl	H	H	H	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
11-1771	2,2,2-tricloetyl	H	H	F	F	H	H	F	H	heptafloisopropyl	H	F
11-1772	2,2,2-tricloetyl	H	H	F	F	H	H	F	H	nonaflo-2-butyl	H	F
11-1783	2,2,2-tricloetyl	H	H	F	F	H	H	Cl	H	heptafloisopropyl	H	Cl
11-1812	2,2,2-tricloetyl	H	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
11-1841	2,2,2-tricloetyl	H	H	F	F	H	H	Br	H	heptafloisopropyl	H	Br
11-1870	2,2,2-tricloetyl	H	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	Br

11-1899	2,2,2-tricloetyl	H	H	F	F	H	H	I	H	heptafloisopropyl	H	I
11-1928	2,2,2-tricloetyl	H	H	F	F	H	H	I	H	nonaflo-2-butyl	H	I
11-1947	2,2,2-tricloetyl	H	H	F	F	H	H	F	H	heptafloisopropyl	H	Cl
11-1948	2,2,2-tricloetyl	H	H	F	F	H	H	F	H	heptafloisopropyl	H	Br
11-1949	2,2,2-tricloetyl	H	H	F	F	H	H	F	H	heptafloisopropyl	H	I
11-1950	2,2,2-tricloetyl	H	H	F	F	H	H	Cl	H	heptafloisopropyl	H	Br
11-1951	2,2,2-tricloetyl	H	H	F	F	H	H	Cl	H	heptafloisopropyl	H	I
11-1952	2,2,2-tricloetyl	H	H	F	F	H	H	Br	H	heptafloisopropyl	H	I
11-1953	2,2,2-tricloetyl	H	H	F	F	H	H	F	H	nonaflo-2-butyl	H	Cl
11-1954	2,2,2-tricloetyl	H	H	F	F	H	H	F	H	nonaflo-2-butyl	H	Br

Bảng 11(8)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
11-1955	2,2,2-tricloetyl	H	H	F	F	H	H	F	H	nonaflo-2-butyl	H	I
11-1956	2,2,2-tricloetyl	H	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	Br
11-1957	2,2,2-tricloetyl	H	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	I
11-1958	2,2,2-tricloetyl	H	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	I
11-1959	2,2,2-tricloetyl	H	H	F	F	H	H	F	H	heptafloisopropyl	H	OCF3
11-1960	2,2,2-tricloetyl	H	H	F	F	H	H	F	H	nonaflo-2-butyl	H	OCF3
11-1971	2,2,2-tricloetyl	H	H	F	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
11-2000	2,2,2-tricloetyl	H	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
11-2029	2,2,2-tricloetyl	H	H	F	F	H	H	Br	H	heptafloisopropyl	H	OCF3
11-2058	2,2,2-tricloetyl	H	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-2087	2,2,2-tricloetyl	H	H	F	F	H	H	I	H	heptafloisopropyl	H	OCF3
11-2116	2,2,2-tricloetyl	H	H	F	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-2135	2,2,2-tricloetyl	H	H	F	F	H	H	F	H	heptafloisopropyl	H	CF3
11-2136	2,2,2-tricloetyl	H	H	F	F	H	H	F	H	nonaflo-2-butyl	H	CF3
11-2147	2,2,2-tricloetyl	H	H	F	F	H	H	Cl	H	heptafloisopropyl	H	CF3
11-2176	2,2,2-tricloetyl	H	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-2205	2,2,2-tricloetyl	H	H	F	F	H	H	Br	H	heptafloisopropyl	H	CF3
11-2218	4,4,4-triflo-n-butyl	H	H	F	F	H	H	Br	H	heptafloisopropyl	H	CF3
11-2234	2,2,2-tricloetyl	H	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-2247	4,4,4-triflo-n-butyl	H	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-2263	2,2,2-tricloetyl	H	H	F	F	H	H	I	H	heptafloisopropyl	H	CF3
11-2276	4,4,4-triflo-n-butyl	H	H	F	F	H	H	I	H	heptafloisopropyl	H	CF3
11-2292	2,2,2-tricloetyl	H	H	F	F	H	H	I	H	nonaflo-2-butyl	H	CF3
11-2305	4,4,4-triflo-n-butyl	H	H	F	F	H	H	I	H	nonaflo-2-butyl	H	CF3
11-2321	2,2,2-tricloetyl	H	H	F	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
11-2350	2,2,2-tricloetyl	H	H	F	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
11-2379	2,2,2-tricloetyl	H	H	F	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
11-2408	2,2,2-tricloetyl	H	H	F	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
11-2437	2,2,2-tricloetyl	H	H	F	F	H	H	CF3	H	heptafloisopropyl	H	CF3
11-2466	2,2,2-tricloetyl	H	H	F	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
11-2485	2,2,2-tricloetyl	H	H	F	F	F	H	Cl	H	pentafloetyl	H	Cl
11-2486	2,2,2-tricloetyl	H	H	F	F	F	H	Br	H	heptafloisopropyl	H	Br

11-2487	2,2,2-tricloetyl	H	H	F	F	F	H	Br	H	heptafloisopropyl	H	OCF3
11-2488	2,2,2-tricloetyl	H	H	F	F	F	H	I	H	heptafloisopropyl	H	CF3
11-2489	2,2,2-tricloetyl	H	H	F	F	F	H	CF3	H	heptafloisopropyl	H	CF3
11-2490	2,2,2-tricloetyl	H	H	F	F	F	H	I	H	nonaflo-2-butyl	H	I
11-2491	2,2,2-tricloetyl	H	H	F	F	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
11-2492	2,2,2-tricloetyl	H	H	F	F	F	H	Br	H	nonaflo-2-butyl	H	CF3
11-2493	2,2,2-tricloetyl	H	H	F	F	F	H	CF3	H	nonaflo-2-butyl	H	CF3
11-2494	2,2,2-tricloetyl	H	H	H	H	F	H	Cl	H	pentafloetyl	H	Cl
11-2495	2,2,2-tricloetyl	H	H	H	H	F	H	Br	H	heptafloisopropyl	H	Br
11-2496	2,2,2-tricloetyl	H	H	H	H	F	H	Br	H	heptafloisopropyl	H	OCF3
11-2497	2,2,2-tricloetyl	H	H	H	H	F	H	I	H	heptafloisopropyl	H	CF3
11-2498	2,2,2-tricloetyl	H	H	H	H	F	H	CF3	H	heptafloisopropyl	H	CF3
11-2499	2,2,2-tricloetyl	H	H	H	H	F	H	I	H	nonaflo-2-butyl	H	I
11-2500	2,2,2-tricloetyl	H	H	H	H	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
11-2501	2,2,2-tricloetyl	H	H	H	H	F	H	Br	H	nonaflo-2-butyl	H	CF3
11-2502	2,2,2-tricloetyl	H	H	H	H	F	H	CF3	H	nonaflo-2-butyl	H	CF3
11-2503	2,2,2-tricloetyl	H	H	H	H	H	F	Cl	H	pentafloetyl	H	Cl
11-2504	2,2,2-tricloetyl	H	H	H	H	H	F	Br	H	heptafloisopropyl	H	Br
11-2505	2,2,2-tricloetyl	H	H	H	H	H	F	Br	H	heptafloisopropyl	H	OCF3
11-2506	2,2,2-tricloetyl	H	H	H	H	H	F	I	H	heptafloisopropyl	H	CF3
11-2507	2,2,2-tricloetyl	H	H	H	H	H	F	CF3	H	heptafloisopropyl	H	CF3
11-2508	2,2,2-tricloetyl	H	H	H	H	H	F	I	H	nonaflo-2-butyl	H	I
11-2509	2,2,2-tricloetyl	H	H	H	H	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
11-2510	2,2,2-tricloetyl	H	H	H	H	H	F	Br	H	nonaflo-2-butyl	H	CF3
11-2511	2,2,2-tricloetyl	H	H	H	H	H	F	CF3	H	nonaflo-2-butyl	H	CF3
11-2512	2,2,2-tricloetyl	H	H	F	H	F	H	Cl	H	pentafloetyl	H	Cl
11-2513	2,2,2-tricloetyl	H	H	F	H	F	H	Br	H	heptafloisopropyl	H	Br
11-2514	2,2,2-tricloetyl	H	H	F	H	F	H	Br	H	heptafloisopropyl	H	OCF3
11-2515	2,2,2-tricloetyl	H	H	F	H	F	H	I	H	heptafloisopropyl	H	CF3
11-2516	2,2,2-tricloetyl	H	H	F	H	F	H	CF3	H	heptafloisopropyl	H	CF3
11-2517	2,2,2-tricloetyl	H	H	F	H	F	H	I	H	nonaflo-2-butyl	H	I
11-2518	2,2,2-tricloetyl	H	H	F	H	F	H	Cl	H	nonaflo-2-butyl	H	OCF3

Bảng 11(9)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
11-2519	2,2,2-tricloetyl	H	H	F	H	F	H	Br	H	nonaflo-2-butyl	H	CF3
11-2520	2,2,2-tricloetyl	H	H	F	H	F	H	CF3	H	nonaflo-2-butyl	H	CF3
11-2521	2,2,2-tricloetyl	H	H	F	H	H	F	Cl	H	pentafloetyl	H	Cl
11-2522	2,2,2-tricloetyl	H	H	F	H	H	F	Br	H	heptafloisopropyl	H	Br
11-2523	2,2,2-tricloetyl	H	H	F	H	H	F	Br	H	heptafloisopropyl	H	OCF3
11-2524	2,2,2-tricloetyl	H	H	F	H	H	F	I	H	heptafloisopropyl	H	CF3
11-2525	2,2,2-tricloetyl	H	H	F	H	H	F	CF3	H	heptafloisopropyl	H	CF3
11-2526	2,2,2-tricloetyl	H	H	F	H	H	F	I	H	nonaflo-2-butyl	H	I
11-2527	2,2,2-tricloetyl	H	H	F	H	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
11-2528	2,2,2-tricloetyl	H	H	F	H	H	F	Br	H	nonaflo-2-butyl	H	CF3
11-2529	2,2,2-tricloetyl	H	H	F	H	H	F	CF3	H	nonaflo-2-butyl	H	CF3
11-2530	2,2,2-tricloetyl	H	H	H	F	F	H	Cl	H	pentafloetyl	H	Cl
11-2531	2,2,2-tricloetyl	H	H	H	F	F	H	Br	H	heptafloisopropyl	H	Br
11-2532	2,2,2-tricloetyl	H	H	H	F	F	H	Br	H	heptafloisopropyl	H	OCF3
11-2533	2,2,2-tricloetyl	H	H	H	F	F	H	I	H	heptafloisopropyl	H	CF3
11-2534	2,2,2-tricloetyl	H	H	H	F	F	H	CF3	H	heptafloisopropyl	H	CF3
11-2535	2,2,2-tricloetyl	H	H	H	F	F	H	I	H	nonaflo-2-butyl	H	I
11-2536	2,2,2-tricloetyl	H	H	H	F	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
11-2537	2,2,2-tricloetyl	H	H	H	F	F	H	Br	H	nonaflo-2-butyl	H	CF3
11-2538	2,2,2-tricloetyl	H	H	H	F	F	H	CF3	H	nonaflo-2-butyl	H	CF3
11-2539	2,2,2-tricloetyl	H	H	H	F	H	F	Cl	H	pentafloetyl	H	Cl
11-2540	2,2,2-tricloetyl	H	H	H	F	H	F	Br	H	heptafloisopropyl	H	Br
11-2541	2,2,2-tricloetyl	H	H	H	F	H	F	Br	H	heptafloisopropyl	H	OCF3
11-2542	2,2,2-tricloetyl	H	H	H	F	H	F	I	H	heptafloisopropyl	H	CF3
11-2543	2,2,2-tricloetyl	H	H	H	F	H	F	CF3	H	heptafloisopropyl	H	CF3
11-2544	2,2,2-tricloetyl	H	H	H	F	H	F	I	H	nonaflo-2-butyl	H	I
11-2545	2,2,2-tricloetyl	H	H	H	F	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
11-2546	2,2,2-tricloetyl	H	H	H	F	H	F	Br	H	nonaflo-2-butyl	H	CF3
11-2547	2,2,2-tricloetyl	H	H	H	F	H	F	CF3	H	nonaflo-2-butyl	H	CF3
11-2548	2,2,2-tricloetyl	H	H	H	H	F	F	Cl	H	pentafloetyl	H	Cl
11-2549	2,2,2-tricloetyl	H	H	H	H	F	F	Br	H	heptafloisopropyl	H	Br
11-2550	2,2,2-tricloetyl	H	H	H	H	F	F	Br	H	heptafloisopropyl	H	OCF3
11-2551	2,2,2-tricloetyl	H	H	H	H	F	F	I	H	heptafloisopropyl	H	CF3
11-2552	2,2,2-tricloetyl	H	H	H	H	F	F	CF3	H	heptafloisopropyl	H	CF3
11-2553	2,2,2-tricloetyl	H	H	H	H	F	F	I	H	nonaflo-2-butyl	H	I
11-2554	2,2,2-tricloetyl	H	H	H	H	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
11-2555	2,2,2-tricloetyl	H	H	H	H	F	F	Br	H	nonaflo-2-butyl	H	CF3
11-2556	2,2,2-tricloetyl	H	H	H	H	F	F	CF3	H	nonaflo-2-butyl	H	CF3
11-2557	2,2,2-tricloetyl	H	H	F	F	H	F	Cl	H	pentafloetyl	H	Cl
11-2558	2,2,2-tricloetyl	H	H	F	F	H	F	Br	H	heptafloisopropyl	H	Br

11-2559	2,2,2-tricloetyl	H	H	F	F	H	F	Br	H	heptafloisopropyl	H	OCF3
11-2560	2,2,2-tricloetyl	H	H	F	F	H	F	I	H	heptafloisopropyl	H	CF3
11-2561	2,2,2-tricloetyl	H	H	F	F	H	F	CF3	H	heptafloisopropyl	H	CF3
11-2562	2,2,2-tricloetyl	H	H	F	F	H	F	I	H	nonaflo-2-butyl	H	I
11-2563	2,2,2-tricloetyl	H	H	F	F	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
11-2564	2,2,2-tricloetyl	H	H	F	F	H	F	Br	H	nonaflo-2-butyl	H	CF3
11-2565	2,2,2-tricloetyl	H	H	F	F	H	F	CF3	H	nonaflo-2-butyl	H	CF3
11-2566	2,2,2-tricloetyl	H	H	F	H	F	F	Cl	H	pentafloetyl	H	Cl
11-2567	2,2,2-tricloetyl	H	H	F	H	F	F	Br	H	heptafloisopropyl	H	Br
11-2568	2,2,2-tricloetyl	H	H	F	H	F	F	Br	H	heptafloisopropyl	H	OCF3
11-2569	2,2,2-tricloetyl	H	H	F	H	F	F	I	H	heptafloisopropyl	H	CF3
11-2570	2,2,2-tricloetyl	H	H	F	H	F	F	CF3	H	heptafloisopropyl	H	CF3
11-2571	2,2,2-tricloetyl	H	H	F	H	F	F	I	H	nonaflo-2-butyl	H	I
11-2572	2,2,2-tricloetyl	H	H	F	H	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
11-2573	2,2,2-tricloetyl	H	H	F	H	F	F	Br	H	nonaflo-2-butyl	H	CF3
11-2574	2,2,2-tricloetyl	H	H	F	H	F	F	CF3	H	nonaflo-2-butyl	H	CF3
11-2575	2,2,2-tricloetyl	H	H	H	F	F	F	Cl	H	pentafloetyl	H	Cl
11-2576	2,2,2-tricloetyl	H	H	H	F	F	F	Br	H	heptafloisopropyl	H	Br
11-2577	2,2,2-tricloetyl	H	H	H	F	F	F	Br	H	heptafloisopropyl	H	OCF3
11-2578	2,2,2-tricloetyl	H	H	H	F	F	F	I	H	heptafloisopropyl	H	CF3
11-2579	2,2,2-tricloetyl	H	H	H	F	F	F	CF3	H	heptafloisopropyl	H	CF3
11-2580	2,2,2-tricloetyl	H	H	H	F	F	F	I	H	nonaflo-2-butyl	H	I
11-2581	2,2,2-tricloetyl	H	H	H	F	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
11-2582	2,2,2-tricloetyl	H	H	H	F	F	F	Br	H	nonaflo-2-butyl	H	CF3

Bảng 11(10)

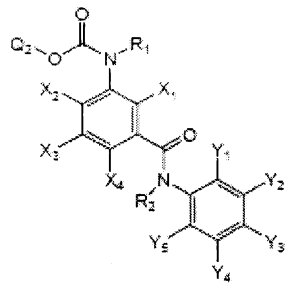
Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
11-2583	2,2,2-tricloetyl	H	H	H	F	F	F	CF3	H	nonaflo-2-butyl	H	CF3
11-2584	2,2,2-tricloetyl	H	H	F	F	F	F	Cl	H	pentafloetyl	H	Cl
11-2585	2,2,2-tricloetyl	H	H	F	F	F	F	Br	H	heptafloisopropyl	H	Br
11-2586	2,2,2-tricloetyl	H	H	F	F	F	F	Br	H	heptafloisopropyl	H	OCF3
11-2587	2,2,2-tricloetyl	H	H	F	F	F	F	I	H	heptafloisopropyl	H	CF3
11-2588	2,2,2-tricloetyl	H	H	F	F	F	F	CF3	H	heptafloisopropyl	H	CF3
11-2589	2,2,2-tricloetyl	H	H	F	F	F	F	I	H	nonaflo-2-butyl	H	I
11-2590	2,2,2-tricloetyl	H	H	F	F	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
11-2591	2,2,2-tricloetyl	H	H	F	F	F	F	Br	H	nonaflo-2-butyl	H	CF3
11-2592	2,2,2-tricloetyl	H	H	F	F	F	F	CF3	H	nonaflo-2-butyl	H	CF3
11-2593	2,2,2-tricloetyl	H	H	H	CN	H	H	F	H	heptafloisopropyl	H	OCF3
11-2594	2,2,2-tricloetyl	H	H	H	CN	H	H	F	H	nonaflo-2-butyl	H	OCF3
11-2605	2,2,2-tricloetyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
11-2634	2,2,2-tricloetyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
11-2663	2,2,2-tricloetyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
11-2692	2,2,2-tricloetyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-2721	2,2,2-tricloetyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	OCF3
11-2750	2,2,2-tricloetyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
11-2769	2,2,2-tricloetyl	H	H	H	CN	H	H	F	H	heptafloisopropyl	H	CF3
11-2770	2,2,2-tricloetyl	H	H	H	CN	H	H	F	H	nonaflo-2-butyl	H	CF3
11-2781	2,2,2-tricloetyl	H	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
11-2810	2,2,2-tricloetyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-2839	2,2,2-tricloetyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
11-2852	4,4,4-triflo-n-butyl	H	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
11-2868	2,2,2-tricloetyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-2881	4,4,4-triflo-n-butyl	H	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-2897	2,2,2-tricloetyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
11-2910	4,4,4-triflo-n-butyl	H	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
11-2926	2,2,2-tricloetyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
11-2939	4,4,4-triflo-n-butyl	H	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
11-2955	2,2,2-tricloetyl	H	H	H	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
11-2984	2,2,2-tricloetyl	H	H	H	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3

11-3013	2,2,2-tricloetyl	H	H	H	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
11-3042	2,2,2-tricloetyl	H	H	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
11-3071	2,2,2-tricloetyl	H	H	H	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
11-3100	2,2,2-tricloetyl	H	H	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
11-3119	2,2,2-tricloetyl	H	H	F	CN	H	H	F	H	heptafloisopropyl	H	F
11-3120	2,2,2-tricloetyl	H	H	F	CN	H	H	F	H	nonaflo-2-butyl	H	F
11-3131	2,2,2-tricloetyl	H	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	Cl
11-3160	2,2,2-tricloetyl	H	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	Cl
11-3189	2,2,2-tricloetyl	H	H	F	CN	H	H	Br	H	heptafloisopropyl	H	Br
11-3218	2,2,2-tricloetyl	H	H	F	CN	H	H	Br	H	nonaflo-2-butyl	H	Br
11-3247	2,2,2-tricloetyl	H	H	F	CN	H	H	I	H	heptafloisopropyl	H	I
11-3276	2,2,2-tricloetyl	H	H	F	CN	H	H	I	H	nonaflo-2-butyl	H	I
11-3295	2,2,2-tricloetyl	H	H	F	CN	H	H	F	H	heptafloisopropyl	H	Cl
11-3296	2,2,2-tricloetyl	H	H	F	CN	H	H	F	H	heptafloisopropyl	H	Br
11-3297	2,2,2-tricloetyl	H	H	F	CN	H	H	F	H	heptafloisopropyl	H	I
11-3298	2,2,2-tricloetyl	H	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	Br
11-3299	2,2,2-tricloetyl	H	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	I
11-3300	2,2,2-tricloetyl	H	H	F	CN	H	H	Br	H	heptafloisopropyl	H	I
11-3301	2,2,2-tricloetyl	H	H	F	CN	H	H	F	H	nonaflo-2-butyl	H	Cl
11-3302	2,2,2-tricloetyl	H	H	F	CN	H	H	F	H	nonaflo-2-butyl	H	Br
11-3303	2,2,2-tricloetyl	H	H	F	CN	H	H	F	H	nonaflo-2-butyl	H	I
11-3304	2,2,2-tricloetyl	H	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	Br
11-3305	2,2,2-tricloetyl	H	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	I
11-3306	2,2,2-tricloetyl	H	H	F	CN	H	H	Br	H	nonaflo-2-butyl	H	I
11-3307	2,2,2-tricloetyl	H	H	F	CN	H	H	F	H	heptafloisopropyl	H	OCF3
11-3308	2,2,2-tricloetyl	H	H	F	CN	H	H	F	H	nonaflo-2-butyl	H	OCF3
11-3319	2,2,2-tricloetyl	H	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
11-3348	2,2,2-tricloetyl	H	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
11-3377	2,2,2-tricloetyl	H	H	F	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
11-3406	2,2,2-tricloetyl	H	H	F	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
11-3435	2,2,2-tricloetyl	H	H	F	CN	H	H	I	H	heptafloisopropyl	H	OCF3
11-3464	2,2,2-tricloetyl	H	H	F	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3

Bảng 11(11)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
11-3483	2,2,2-tricloetyl	H	H	F	CN	H	H	F	H	heptafloisopropyl	H	CF3
11-3484	2,2,2-tricloetyl	H	H	F	CN	H	H	F	H	nonaflo-2-butyl	H	CF3
11-3495	2,2,2-tricloetyl	H	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
11-3524	2,2,2-tricloetyl	H	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
11-3553	2,2,2-tricloetyl	H	H	F	CN	H	H	Br	H	heptafloisopropyl	H	CF3
11-3566	4,4,4-triflo-n-butyl	H	H	F	CN	H	H	Br	H	heptafloisopropyl	H	CF3
11-3582	2,2,2-tricloetyl	H	H	F	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-3595	4,4,4-triflo-n-butyl	H	H	F	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
11-3611	2,2,2-tricloetyl	H	H	F	CN	H	H	I	H	heptafloisopropyl	H	CF3
11-3624	4,4,4-triflo-n-butyl	H	H	F	CN	H	H	I	H	heptafloisopropyl	H	CF3
11-3640	2,2,2-tricloetyl	H	H	F	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
11-3653	4,4,4-triflo-n-butyl	H	H	F	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
11-3669	2,2,2-tricloetyl	H	H	F	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
11-3698	2,2,2-tricloetyl	H	H	F	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
11-3727	2,2,2-tricloetyl	H	H	F	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
11-3756	2,2,2-tricloetyl	H	H	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
11-3785	2,2,2-tricloetyl	H	H	F	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
11-3814	2,2,2-tricloetyl	H	H	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
11-3833	2,2,2-tricloetyl	H	H	F	CN	F	H	F	H	heptafloisopropyl	H	F
11-3834	2,2,2-tricloetyl	H	H	F	CN	F	H	F	H	nonaflo-2-butyl	H	F
11-3845	2,2,2-tricloetyl	H	H	F	CN	F	H	Cl	H	heptafloisopropyl	H	Cl
11-3874	2,2,2-tricloetyl	H	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	Cl
11-3903	2,2,2-tricloetyl	H	H	F	CN	F	H	Br	H	heptafloisopropyl	H	Br
11-3932	2,2,2-tricloetyl	H	H	F	CN	F	H	Br	H	nonaflo-2-butyl	H	Br
11-3961	2,2,2-tricloetyl	H	H	F	CN	F	H	I	H	heptafloisopropyl	H	I
11-3990	2,2,2-tricloetyl	H	H	F	CN	F	H	I	H	nonaflo-2-butyl	H	I
11-4009	2,2,2-tricloetyl	H	H	F	CN	F	H	F	H	heptafloisopropyl	H	Cl
11-4010	2,2,2-tricloetyl	H	H	F	CN	F	H	F	H	heptafloisopropyl	H	Br
11-4011	2,2,2-tricloetyl	H	H	F	CN	F	H	F	H	heptafloisopropyl	H	I
11-4012	2,2,2-tricloetyl	H	H	F	CN	F	H	Cl	H	heptafloisopropyl	H	Br
11-4013	2,2,2-tricloetyl	H	H	F	CN	F	H	Cl	H	heptafloisopropyl	H	I
11-4014	2,2,2-tricloetyl	H	H	F	CN	F	H	Br	H	heptafloisopropyl	H	I

11-4015	2,2,2-tricloetyl	H	H	F	CN	F	H	F	H	nonaflo-2-butyl	H	Cl
11-4016	2,2,2-tricloetyl	H	H	F	CN	F	H	F	H	nonaflo-2-butyl	H	Br
11-4017	2,2,2-tricloetyl	H	H	F	CN	F	H	F	H	nonaflo-2-butyl	H	I
11-4018	2,2,2-tricloetyl	H	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	Br
11-4019	2,2,2-tricloetyl	H	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	I
11-4020	2,2,2-tricloetyl	H	H	F	CN	F	H	Br	H	nonaflo-2-butyl	H	I
11-4021	2,2,2-tricloetyl	H	H	F	CN	F	H	F	H	heptafloisopropyl	H	OCF3
11-4022	2,2,2-tricloetyl	H	H	F	CN	F	H	F	H	nonaflo-2-butyl	H	OCF3
11-4033	2,2,2-tricloetyl	H	H	F	CN	F	H	Cl	H	heptafloisopropyl	H	OCF3
11-4062	2,2,2-tricloetyl	H	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
11-4091	2,2,2-tricloetyl	H	H	F	CN	F	H	Br	H	heptafloisopropyl	H	OCF3
11-4120	2,2,2-tricloetyl	H	H	F	CN	F	H	Br	H	nonaflo-2-butyl	H	OCF3
11-4149	2,2,2-tricloetyl	H	H	F	CN	F	H	I	H	heptafloisopropyl	H	OCF3
11-4178	2,2,2-tricloetyl	H	H	F	CN	F	H	I	H	nonaflo-2-butyl	H	OCF3
11-4209	2,2,2-tricloetyl	H	H	F	CN	F	H	Cl	H	heptafloisopropyl	H	CF3
11-4238	2,2,2-tricloetyl	H	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	CF3
11-4267	2,2,2-tricloetyl	H	H	F	CN	F	H	Br	H	heptafloisopropyl	H	CF3
11-4280	4,4,4-triflo-n-butyl	H	H	F	CN	F	H	Br	H	heptafloisopropyl	H	CF3
11-4296	2,2,2-tricloetyl	H	H	F	CN	F	H	Br	H	nonaflo-2-butyl	H	CF3
11-4309	4,4,4-triflo-n-butyl	H	H	F	CN	F	H	Br	H	nonaflo-2-butyl	H	CF3
11-4325	2,2,2-tricloetyl	H	H	F	CN	F	H	I	H	heptafloisopropyl	H	CF3
11-4338	4,4,4-triflo-n-butyl	H	H	F	CN	F	H	I	H	heptafloisopropyl	H	CF3
11-4354	2,2,2-tricloetyl	H	H	F	CN	F	H	I	H	nonaflo-2-butyl	H	CF3
11-4367	4,4,4-triflo-n-butyl	H	H	F	CN	F	H	I	H	nonaflo-2-butyl	H	CF3
11-4383	2,2,2-tricloetyl	H	H	F	CN	F	H	OCF3	H	heptafloisopropyl	H	OCF3
11-4412	2,2,2-tricloetyl	H	H	F	CN	F	H	OCF3	H	nonaflo-2-butyl	H	OCF3
11-4441	2,2,2-tricloetyl	H	H	F	CN	F	H	CF3	H	heptafloisopropyl	H	OCF3
11-4470	2,2,2-tricloetyl	H	H	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	OCF3
11-4499	2,2,2-tricloetyl	H	H	F	CN	F	H	CF3	H	heptafloisopropyl	H	CF3
11-4528	2,2,2-tricloetyl	H	H	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	CF3



Bảng 12(1)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
12-1	2,2,2-tricloetyl	Me	H	H	H	H	H	F	H	heptafloisopropyl	H	OCF3
12-2	2,2,2-tricloetyl	Me	H	H	H	H	H	F	H	nonaflo-2-butyl	H	OCF3
12-13	2,2,2-tricloetyl	Me	H	H	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
12-42	2,2,2-tricloetyl	Me	H	H	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
12-71	2,2,2-tricloetyl	Me	H	H	H	H	H	Br	H	heptafloisopropyl	H	OCF3
12-100	2,2,2-tricloetyl	Me	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
12-129	2,2,2-tricloetyl	Me	H	H	H	H	H	I	H	heptafloisopropyl	H	OCF3
12-158	2,2,2-tricloetyl	Me	H	H	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
12-177	2,2,2-tricloetyl	Me	H	H	H	H	H	F	H	heptafloisopropyl	H	CF3
12-178	2,2,2-tricloetyl	Me	H	H	H	H	H	F	H	nonaflo-2-butyl	H	CF3
12-189	2,2,2-tricloetyl	Me	H	H	H	H	H	Cl	H	heptafloisopropyl	H	CF3
12-218	2,2,2-tricloetyl	Me	H	H	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
12-247	2,2,2-tricloetyl	Me	H	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-276	2,2,2-tricloetyl	Me	H	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-305	2,2,2-tricloetyl	Me	H	H	H	H	H	I	H	heptafloisopropyl	H	CF3
12-334	2,2,2-tricloetyl	Me	H	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-363	2,2,2-tricloetyl	Me	H	H	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
12-392	2,2,2-tricloetyl	Me	H	H	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
12-421	2,2,2-tricloetyl	Me	H	H	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
12-450	2,2,2-tricloetyl	Me	H	H	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
12-479	2,2,2-tricloetyl	Me	H	H	H	H	H	CF3	H	heptafloisopropyl	H	CF3
12-508	2,2,2-tricloetyl	Me	H	H	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
12-527	2,2,2-tricloetyl	Me	H	F	H	H	H	F	H	heptafloisopropyl	H	F
12-528	2,2,2-tricloetyl	Me	H	F	H	H	H	Cl	H	heptafloisopropyl	H	Cl
12-529	2,2,2-tricloetyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	Br
12-530	2,2,2-tricloetyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	I
12-531	2,2,2-tricloetyl	Me	H	F	H	H	H	F	H	heptafloisopropyl	H	OCF3

12-532	2,2,2-tricloetyl	Me	H	F	H	H	H	F	H	nonaflo-2-butyl	H	OCF3
12-543	2,2,2-tricloetyl	Me	H	F	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
12-572	2,2,2-tricloetyl	Me	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
12-601	2,2,2-tricloetyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
12-630	2,2,2-tricloetyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
12-659	2,2,2-tricloetyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
12-688	2,2,2-tricloetyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
12-707	2,2,2-tricloetyl	Me	H	F	H	H	H	F	H	heptafloisopropyl	H	CF3
12-708	2,2,2-tricloetyl	Me	H	F	H	H	H	F	H	nonaflo-2-butyl	H	CF3
12-715	2-xyanoetyl	Et	H	F	H	H	H	Cl	H	heptafloisopropyl	H	C2F5
12-719	2,2,2-tricloetyl	Me	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
12-721	n-propyl	Me	H	F	H	H	H	Cl	H	pentafloetyl	H	CF3
12-725	i-propyl	n-Pr	H	F	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
12-728	1,3-diclo-2-propyl	Me	H	F	H	H	H	Cl	H	pentafloetyl	H	CF3
12-729	1-clo-3-flo-2-propyl	i-Pr	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
12-733	i-butyl	CH2CH = CH2	H	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
12-739	etyl	Me	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
12-744	2-xyanoetyl	CN	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
12-748	2,2,2-tricloetyl	Me	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
12-750	n-propyl	CH2C≡CH	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
12-762	i-butyl	NH2	H	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
12-767	metyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-768	etyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-769	2-floetyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-770	2-cloetyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-771	2-brometyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-772	2-iodoetyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-773	2-xyanoetyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	C2F5

Bảng 12(2)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
12-774	2,2-đifloetyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-775	2,2-đicloetyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-776	2,2,2-trifloetyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-777	2,2,2-tricloetyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-778	2,2,2-tribrometyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-779	n-propyl	C(O)OMe	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-780	3-flo-n-propyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-781	3-clo-n-propyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-782	3-brom-n-propyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-783	i-propyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-784	1,2-điflo-2-propyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	n-C3F7
12-785	1,3-điflo-2-propyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-786	1,3-điclo-2-propyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-787	1-clo-3-flo-2-propyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-788	3,3,3-triflo-n-propyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-789	n-butyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-790	4,4,4-triflo-n-butyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-791	i-butyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-792	s-butyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-793	vinyl	C(O)C(O)OMe	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-794	benzyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-795	phenyl	Me	H	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
12-796	metyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-797	etyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-798	2-floetyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-799	2-cloetyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-800	2-brometyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-801	2-iođoetyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-802	2-xyanoetyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-803	2,2-đifloetyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-804	2,2-đicloetyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3

12-805	2,2,2-trifloetyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-806	2,2,2-tricloetyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-807	2,2,2-tribrometyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-808	n-propyl	C(O)OEt	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-809	3-flo-n-propyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-810	3-clo-n-propyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-811	3-brom-n-propyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-812	i-propyl	C(O)Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-813	1,2-diflo-2-propyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-814	1,3-diflo-2-propyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-815	1,3-diclo-2-propyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-816	1-clo-3-flo-2-propyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-817	3,3,3-triflo-n-propyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-818	n-butyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-819	4,4,4-triflo-n-butyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-820	i-butyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-821	s-butyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-822	vinyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-823	benzyl	Me	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-824	phenyl	C(O)C(O)OEt	H	F	H	H	H	Br	H	nonaflo-2-butyl	H	i-C3F7
12-825	metyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-826	etyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-827	2-floet yl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-828	2-cloetyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-829	2-brometyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-830	2-iodoetyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-831	2-xyanoetyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-832	2,2-difloetyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-833	2,2-dicloetyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-834	2,2,2-trifloetyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-835	2,2,2-tricloetyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-836	2,2,2-tribrometyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-837	n-propyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3

Bảng 12(3)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
12-838	3-flo-n-propyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-839	3-clo-n-propyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-840	3-brom-n-propyl	C(O)Et	H	F	H	H	H	I	H	heptafloisopropyl	H	C2F5
12-841	i-propyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-842	1,2-điflo-2-propyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-843	1,3-điflo-2-propyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-844	1,3-điclo-2-propyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-845	1-clo-3-flo-2-propyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-846	3,3,3-triflo-n-propyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-847	n-butyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-848	4,4,4-triflo-n-butyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-849	i-butyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-850	s-butyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-851	vinyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-852	benzyl	S(O)2Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-853	phenyl	Me	H	F	H	H	H	I	H	heptafloisopropyl	H	CF3
12-854	metyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-855	etyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-856	2-floetyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-857	2-cloetyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-858	2-brometyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-859	2-iođoetyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-860	2-xyanoetyl	S(O)2Et	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-861	2,2-đifloetyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-862	2,2-đicloetyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-863	2,2,2-trifloetyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-864	2,2,2-tricloetyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-865	2,2,2-tribrometyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-866	n-propyl	CH2Ph	H	F	H	H	H	I	H	nonaflo-2-butyl	H	n-C3F7

12-867	3-flo-n-propyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-868	3-clo-n-propyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-869	3-brom-n-propyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-870	i-propyl	CH2(3-Py)	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-871	1,2-diflo-2-propyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-872	1,3-diflo-2-propyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-873	1,3-diclo-2-propyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-874	1-clo-3-flo-2-propyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-875	3,3,3-triflo-n-propyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-876	n-butyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-877	4,4,4-triflo-n-butyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-878	i-butyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-879	s-butyl	CH2(3-Py-N-oxit)	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-880	vinyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	i-C3F7
12-881	benzyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-882	phenyl	Me	H	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
12-893	2,2,2-tricloetyl	Me	H	F	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
12-922	2,2,2-tricloetyl	Me	H	F	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
12-951	2,2,2-tricloetyl	Me	H	F	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
12-980	2,2,2-tricloetyl	Me	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
12-1009	2,2,2-tricloetyl	Me	H	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
12-1038	2,2,2-tricloetyl	Me	H	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
12-1057	2,2,2-tricloetyl	Me	H	H	F	H	H	F	H	heptafloisopropyl	H	F
12-1058	2,2,2-tricloetyl	Me	H	H	F	H	H	F	H	nonaflo-2-butyl	H	F
12-1069	2,2,2-tricloetyl	Me	H	H	F	H	H	Cl	H	heptafloisopropyl	H	Cl
12-1098	2,2,2-tricloetyl	Me	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
12-1127	2,2,2-tricloetyl	Me	H	H	F	H	H	Br	H	heptafloisopropyl	H	Br
12-1156	2,2,2-tricloetyl	Me	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	Br
12-1185	2,2,2-tricloetyl	Me	H	H	F	H	H	I	H	heptafloisopropyl	H	I
12-1214	2,2,2-tricloetyl	Me	H	H	F	H	H	I	H	nonaflo-2-butyl	H	I

12-1236	2,2,2-tricloetyl	Me	H	H	F	H	H	Cl	H	heptafloisopropyl	H	Br
12-1245	2,2,2-tricloetyl	Me	H	H	F	H	H	F	H	heptafloisopropyl	H	OCF3
12-1246	2,2,2-tricloetyl	Me	H	H	F	H	H	F	H	nonaflo-2-butyl	H	OCF3
12-1257	2,2,2-tricloetyl	Me	H	H	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
12-1286	2,2,2-tricloetyl	Me	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3

Bảng 12(4)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
12-1315	2,2,2-tricloetyl	Me	H	H	F	H	H	Br	H	heptafloisopropyl	H	OCF3
12-1344	2,2,2-tricloetyl	Me	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
12-1373	2,2,2-tricloetyl	Me	H	H	F	H	H	I	H	heptafloisopropyl	H	OCF3
12-1402	2,2,2-tricloetyl	Me	H	H	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
12-1421	2,2,2-tricloetyl	Me	H	H	F	H	H	F	H	heptafloisopropyl	H	CF3
12-1422	2,2,2-tricloetyl	Me	H	H	F	H	H	F	H	nonaflo-2-butyl	H	CF3
12-1433	2,2,2-tricloetyl	Me	H	H	F	H	H	Cl	H	heptafloisopropyl	H	CF3
12-1462	2,2,2-tricloetyl	Me	H	H	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
12-1491	2,2,2-tricloetyl	Me	H	H	F	H	H	Br	H	heptafloisopropyl	H	CF3
12-1520	2,2,2-tricloetyl	Me	H	H	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-1549	2,2,2-tricloetyl	Me	H	H	F	H	H	I	H	heptafloisopropyl	H	CF3
12-1578	2,2,2-tricloetyl	Me	H	H	F	H	H	I	H	nonaflo-2-butyl	H	CF3
12-1607	2,2,2-tricloetyl	Me	H	H	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
12-1636	2,2,2-tricloetyl	Me	H	H	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
12-1665	2,2,2-tricloetyl	Me	H	H	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
12-1694	2,2,2-tricloetyl	Me	H	H	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
12-1723	2,2,2-tricloetyl	Me	H	H	F	H	H	CF3	H	heptafloisopropyl	H	CF3
12-1752	2,2,2-tricloetyl	Me	H	H	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
12-1771	2,2,2-tricloetyl	Me	H	F	F	H	H	F	H	heptafloisopropyl	H	F
12-1772	2,2,2-tricloetyl	Me	H	F	F	H	H	F	H	nonaflo-2-butyl	H	F
12-1783	2,2,2-tricloetyl	Me	H	F	F	H	H	Cl	H	heptafloisopropyl	H	Cl
12-1812	2,2,2-tricloetyl	Me	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
12-1841	2,2,2-tricloetyl	Me	H	F	F	H	H	Br	H	heptafloisopropyl	H	Br
12-1870	2,2,2-tricloetyl	Me	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	Br
12-1899	2,2,2-tricloetyl	Me	H	F	F	H	H	I	H	heptafloisopropyl	H	I
12-1928	2,2,2-tricloetyl	Me	H	F	F	H	H	I	H	nonaflo-2-butyl	H	I
12-1956	2,2,2-tricloetyl	Me	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	Br
12-1959	2,2,2-tricloetyl	Me	H	F	F	H	H	F	H	heptafloisopropyl	H	OCF3
12-1960	2,2,2-tricloetyl	Me	H	F	F	H	H	F	H	nonaflo-2-butyl	H	OCF3

12-1971	2,2,2-tricloetyl	Me	H	F	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
12-2000	2,2,2-tricloetyl	Me	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
12-2029	2,2,2-tricloetyl	Me	H	F	F	H	H	Br	H	heptafloisopropyl	H	OCF3
12-2058	2,2,2-tricloetyl	Me	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
12-2087	2,2,2-tricloetyl	Me	H	F	F	H	H	I	H	heptafloisopropyl	H	OCF3
12-2116	2,2,2-tricloetyl	Me	H	F	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
12-2135	2,2,2-tricloetyl	Me	H	F	F	H	H	F	H	heptafloisopropyl	H	CF3
12-2136	2,2,2-tricloetyl	Me	H	F	F	H	H	F	H	nonaflo-2-butyl	H	CF3
12-2147	2,2,2-tricloetyl	Me	H	F	F	H	H	Cl	H	heptafloisopropyl	H	CF3
12-2176	2,2,2-tricloetyl	Me	H	F	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
12-2205	2,2,2-tricloetyl	Me	H	F	F	H	H	Br	H	heptafloisopropyl	H	CF3
12-2234	2,2,2-tricloetyl	Me	H	F	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-2263	2,2,2-tricloetyl	Me	H	F	F	H	H	I	H	heptafloisopropyl	H	CF3
12-2292	2,2,2-tricloetyl	Me	H	F	F	H	H	I	H	nonaflo-2-butyl	H	CF3
12-2321	2,2,2-tricloetyl	Me	H	F	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
12-2350	2,2,2-tricloetyl	Me	H	F	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
12-2379	2,2,2-tricloetyl	Me	H	F	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
12-2408	2,2,2-tricloetyl	Me	H	F	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
12-2437	2,2,2-tricloetyl	Me	H	F	F	H	H	CF3	H	heptafloisopropyl	H	CF3
12-2466	2,2,2-tricloetyl	Me	H	F	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
12-2485	2,2,2-tricloetyl	Me	H	F	F	F	H	Cl	H	pentafloetyl	H	Cl
12-2486	2,2,2-tricloetyl	Me	H	F	F	F	H	Br	H	heptafloisopropyl	H	Br
12-2487	2,2,2-tricloetyl	Me	H	F	F	F	H	Br	H	heptafloisopropyl	H	OCF3
12-2488	2,2,2-tricloetyl	Me	H	F	F	F	H	I	H	heptafloisopropyl	H	CF3
12-2489	2,2,2-tricloetyl	Me	H	F	F	F	H	CF3	H	heptafloisopropyl	H	CF3
12-2490	2,2,2-tricloetyl	Me	H	F	F	F	H	I	H	nonaflo-2-butyl	H	I
12-2491	2,2,2-tricloetyl	Me	H	F	F	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
12-2492	2,2,2-tricloetyl	Me	H	F	F	F	H	Br	H	nonaflo-2-butyl	H	CF3
12-2493	2,2,2-tricloetyl	Me	H	F	F	F	H	CF3	H	nonaflo-2-butyl	H	CF3
12-2494	2,2,2-tricloetyl	Me	H	H	H	F	H	Cl	H	pentafloetyl	H	Cl

12-2495	2,2,2-tricloetyl	Me	H	H	H	F	H	Br	H	heptafloisopropyl	H	Br
12-2496	2,2,2-tricloetyl	Me	H	H	H	F	H	Br	H	heptafloisopropyl	H	OCF3
12-2497	2,2,2-tricloetyl	Me	H	H	H	F	H	I	H	heptafloisopropyl	H	CF3
12-2498	2,2,2-tricloetyl	Me	H	H	H	F	H	CF3	H	heptafloisopropyl	H	CF3
12-2499	2,2,2-tricloetyl	Me	H	H	H	F	H	I	H	nonaflo-2-butyl	H	I

Bảng 12(5)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
12-2500	2,2,2-tricloetyl	Me	H	H	H	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
12-2501	2,2,2-tricloetyl	Me	H	H	H	F	H	Br	H	nonaflo-2-butyl	H	CF3
12-2502	2,2,2-tricloetyl	Me	H	H	H	F	H	CF3	H	nonaflo-2-butyl	H	CF3
12-2503	2,2,2-tricloetyl	Me	H	H	H	H	F	Cl	H	pentafloetyl	H	Cl
12-2504	2,2,2-tricloetyl	Me	H	H	H	H	F	Br	H	heptafloisopropyl	H	Br
12-2505	2,2,2-tricloetyl	Me	H	H	H	H	F	Br	H	heptafloisopropyl	H	OCF3
12-2506	2,2,2-tricloetyl	Me	H	H	H	H	F	I	H	heptafloisopropyl	H	CF3
12-2507	2,2,2-tricloetyl	Me	H	H	H	H	F	CF3	H	heptafloisopropyl	H	CF3
12-2508	2,2,2-tricloetyl	Me	H	H	H	H	F	I	H	nonaflo-2-butyl	H	I
12-2509	2,2,2-tricloetyl	Me	H	H	H	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
12-2510	2,2,2-tricloetyl	Me	H	H	H	H	F	Br	H	nonaflo-2-butyl	H	CF3
12-2511	2,2,2-tricloetyl	Me	H	H	H	H	F	CF3	H	nonaflo-2-butyl	H	CF3
12-2512	2,2,2-tricloetyl	Me	H	F	H	F	H	Cl	H	pentafloetyl	H	Cl
12-2513	2,2,2-tricloetyl	Me	H	F	H	F	H	Br	H	heptafloisopropyl	H	Br
12-2514	2,2,2-tricloetyl	Me	H	F	H	F	H	Br	H	heptafloisopropyl	H	OCF3
12-2515	2,2,2-tricloetyl	Me	H	F	H	F	H	I	H	heptafloisopropyl	H	CF3
12-2516	2,2,2-tricloetyl	Me	H	F	H	F	H	CF3	H	heptafloisopropyl	H	CF3
12-2517	2,2,2-tricloetyl	Me	H	F	H	F	H	I	H	nonaflo-2-butyl	H	I
12-2518	2,2,2-tricloetyl	Me	H	F	H	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
12-2519	2,2,2-tricloetyl	Me	H	F	H	F	H	Br	H	nonaflo-2-butyl	H	CF3
12-2520	2,2,2-tricloetyl	Me	H	F	H	F	H	CF3	H	nonaflo-2-butyl	H	CF3
12-2521	2,2,2-tricloetyl	Me	H	F	H	H	F	Cl	H	pentafloetyl	H	Cl
12-2522	2,2,2-tricloetyl	Me	H	F	H	H	F	Br	H	heptafloisopropyl	H	Br
12-2523	2,2,2-tricloetyl	Me	H	F	H	H	F	Br	H	heptafloisopropyl	H	OCF3
12-2524	2,2,2-tricloetyl	Me	H	F	H	H	F	I	H	heptafloisopropyl	H	CF3
12-2525	2,2,2-tricloetyl	Me	H	F	H	H	F	CF3	H	heptafloisopropyl	H	CF3
12-2526	2,2,2-tricloetyl	Me	H	F	H	H	F	I	H	nonaflo-2-butyl	H	I
12-2527	2,2,2-tricloetyl	Me	H	F	H	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
12-2528	2,2,2-tricloetyl	Me	H	F	H	H	F	Br	H	nonaflo-2-butyl	H	CF3
12-2529	2,2,2-tricloetyl	Me	H	F	H	H	F	CF3	H	nonaflo-2-butyl	H	CF3
12-2530	2,2,2-tricloetyl	Me	H	H	F	F	H	Cl	H	pentafloetyl	H	Cl
12-2531	2,2,2-tricloetyl	Me	H	H	F	F	H	Br	H	heptafloisopropyl	H	Br
12-2532	2,2,2-tricloetyl	Me	H	H	F	F	H	Br	H	heptafloisopropyl	H	OCF3

12-2533	2,2,2-tricloetyl	Me	H	H	F	F	H	I	H	heptafloisopropyl	H	CF3
12-2534	2,2,2-tricloetyl	Me	H	H	F	F	H	CF3	H	heptafloisopropyl	H	CF3
12-2535	2,2,2-tricloetyl	Me	H	H	F	F	H	I	H	nonaflo-2-butyl	H	I
12-2536	2,2,2-tricloetyl	Me	H	H	F	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
12-2537	2,2,2-tricloetyl	Me	H	H	F	F	H	Br	H	nonaflo-2-butyl	H	CF3
12-2538	2,2,2-tricloetyl	Me	H	H	F	F	H	CF3	H	nonaflo-2-butyl	H	CF3
12-2539	2,2,2-tricloetyl	Me	H	H	F	H	F	Cl	H	pentafloetyl	H	Cl
12-2540	2,2,2-tricloetyl	Me	H	H	F	H	F	Br	H	heptafloisopropyl	H	Br
12-2541	2,2,2-tricloetyl	Me	H	H	F	H	F	Br	H	heptafloisopropyl	H	OCF3
12-2542	2,2,2-tricloetyl	Me	H	H	F	H	F	I	H	heptafloisopropyl	H	CF3
12-2543	2,2,2-tricloetyl	Me	H	H	F	H	F	CF3	H	heptafloisopropyl	H	CF3
12-2544	2,2,2-tricloetyl	Me	H	H	F	H	F	I	H	nonaflo-2-butyl	H	I
12-2545	2,2,2-tricloetyl	Me	H	H	F	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
12-2546	2,2,2-tricloetyl	Me	H	H	F	H	F	Br	H	nonaflo-2-butyl	H	CF3
12-2547	2,2,2-tricloetyl	Me	H	H	F	H	F	CF3	H	nonaflo-2-butyl	H	CF3
12-2548	2,2,2-tricloetyl	Me	H	H	H	F	F	Cl	H	pentafloetyl	H	Cl
12-2549	2,2,2-tricloetyl	Me	H	H	H	F	F	Br	H	heptafloisopropyl	H	Br
12-2550	2,2,2-tricloetyl	Me	H	H	H	F	F	Br	H	heptafloisopropyl	H	OCF3
12-2551	2,2,2-tricloetyl	Me	H	H	H	F	F	I	H	heptafloisopropyl	H	CF3
12-2552	2,2,2-tricloetyl	Me	H	H	H	F	F	CF3	H	heptafloisopropyl	H	CF3
12-2553	2,2,2-tricloetyl	Me	H	H	H	F	F	I	H	nonaflo-2-butyl	H	I
12-2554	2,2,2-tricloetyl	Me	H	H	H	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
12-2555	2,2,2-tricloetyl	Me	H	H	H	F	F	Br	H	nonaflo-2-butyl	H	CF3
12-2556	2,2,2-tricloetyl	Me	H	H	H	F	F	CF3	H	nonaflo-2-butyl	H	CF3
12-2557	2,2,2-tricloetyl	Me	H	F	F	H	F	Cl	H	pentafloetyl	H	Cl
12-2558	2,2,2-tricloetyl	Me	H	F	F	H	F	Br	H	heptafloisopropyl	H	Br
12-2559	2,2,2-tricloetyl	Me	H	F	F	H	F	Br	H	heptafloisopropyl	H	OCF3
12-2560	2,2,2-tricloetyl	Me	H	F	F	H	F	I	H	heptafloisopropyl	H	CF3
12-2561	2,2,2-tricloetyl	Me	H	F	F	H	F	CF3	H	heptafloisopropyl	H	CF3
12-2562	2,2,2-tricloetyl	Me	H	F	F	H	F	I	H	nonaflo-2-butyl	H	I
12-2563	2,2,2-tricloetyl	Me	H	F	F	H	F	Cl	H	nonaflo-2-butyl	H	OCF3

Bảng 12(6)

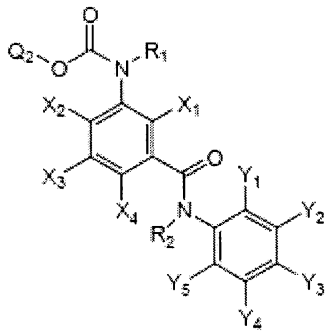
Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
12-2564	2,2,2-tricloetyl	Me	H	F	F	H	F	Br	H	nonaflo-2-butyl	H	CF3
12-2565	2,2,2-tricloetyl	Me	H	F	F	H	F	CF3	H	nonaflo-2-butyl	H	CF3
12-2566	2,2,2-tricloetyl	Me	H	F	H	F	F	Cl	H	pentafloetyl	H	Cl
12-2567	2,2,2-tricloetyl	Me	H	F	H	F	F	Br	H	heptafloisopropyl	H	Br
12-2568	2,2,2-tricloetyl	Me	H	F	H	F	F	Br	H	heptafloisopropyl	H	OCF3
12-2569	2,2,2-tricloetyl	Me	H	F	H	F	F	I	H	heptafloisopropyl	H	CF3
12-2570	2,2,2-tricloetyl	Me	H	F	H	F	F	CF3	H	heptafloisopropyl	H	CF3
12-2571	2,2,2-tricloetyl	Me	H	F	H	F	F	I	H	nonaflo-2-butyl	H	I
12-2572	2,2,2-tricloetyl	Me	H	F	H	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
12-2573	2,2,2-tricloetyl	Me	H	F	H	F	F	Br	H	nonaflo-2-butyl	H	CF3
12-2574	2,2,2-tricloetyl	Me	H	F	H	F	F	CF3	H	nonaflo-2-butyl	H	CF3
12-2575	2,2,2-tricloetyl	Me	H	H	F	F	F	Cl	H	pentafloetyl	H	Cl
12-2576	2,2,2-tricloetyl	Me	H	H	F	F	F	Br	H	heptafloisopropyl	H	Br
12-2577	2,2,2-tricloetyl	Me	H	H	F	F	F	Br	H	heptafloisopropyl	H	OCF3
12-2578	2,2,2-tricloetyl	Me	H	H	F	F	F	I	H	heptafloisopropyl	H	CF3
12-2579	2,2,2-tricloetyl	Me	H	H	F	F	F	CF3	H	heptafloisopropyl	H	CF3
12-2580	2,2,2-tricloetyl	Me	H	H	F	F	F	I	H	nonaflo-2-butyl	H	I
12-2581	2,2,2-tricloetyl	Me	H	H	F	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
12-2582	2,2,2-tricloetyl	Me	H	H	F	F	F	Br	H	nonaflo-2-butyl	H	CF3
12-2583	2,2,2-tricloetyl	Me	H	H	F	F	F	CF3	H	nonaflo-2-butyl	H	CF3
12-2584	2,2,2-tricloetyl	Me	H	F	F	F	F	Cl	H	pentafloetyl	H	Cl
12-2585	2,2,2-tricloetyl	Me	H	F	F	F	F	Br	H	heptafloisopropyl	H	Br
12-2586	2,2,2-tricloetyl	Me	H	F	F	F	F	Br	H	heptafloisopropyl	H	OCF3
12-2587	2,2,2-tricloetyl	Me	H	F	F	F	F	I	H	heptafloisopropyl	H	CF3
12-2588	2,2,2-tricloetyl	Me	H	F	F	F	F	CF3	H	heptafloisopropyl	H	CF3
12-2589	2,2,2-tricloetyl	Me	H	F	F	F	F	I	H	nonaflo-2-butyl	H	I
12-2590	2,2,2-tricloetyl	Me	H	F	F	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
12-2591	2,2,2-tricloetyl	Me	H	F	F	F	F	Br	H	nonaflo-2-butyl	H	CF3
12-2592	2,2,2-tricloetyl	Me	H	F	F	F	F	CF3	H	nonaflo-2-butyl	H	CF3
12-2593	2,2,2-tricloetyl	Me	H	H	CN	H	H	F	H	heptafloisopropyl	H	OCF3
12-2594	2,2,2-tricloetyl	Me	H	H	CN	H	H	F	H	nonaflo-2-butyl	H	OCF3
12-2605	2,2,2-tricloetyl	Me	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
12-2634	2,2,2-tricloetyl	Me	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3

12-2663	2,2,2-tricloetyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
12-2692	2,2,2-tricloetyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
12-2721	2,2,2-tricloetyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	OCF3
12-2750	2,2,2-tricloetyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
12-2769	2,2,2-tricloetyl	Me	H	H	CN	H	H	F	H	heptafloisopropyl	H	CF3
12-2770	2,2,2-tricloetyl	Me	H	H	CN	H	H	F	H	nonaflo-2-butyl	H	CF3
12-2781	2,2,2-tricloetyl	Me	H	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
12-2810	2,2,2-tricloetyl	Me	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
12-2839	2,2,2-tricloetyl	Me	H	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
12-2868	2,2,2-tricloetyl	Me	H	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-2897	2,2,2-tricloetyl	Me	H	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
12-2926	2,2,2-tricloetyl	Me	H	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
12-2955	2,2,2-tricloetyl	Me	H	H	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
12-2984	2,2,2-tricloetyl	Me	H	H	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
12-3013	2,2,2-tricloetyl	Me	H	H	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
12-3042	2,2,2-tricloetyl	Me	H	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
12-3071	2,2,2-tricloetyl	Me	H	H	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
12-3100	2,2,2-tricloetyl	Me	H	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
12-3119	2,2,2-tricloetyl	Me	H	F	CN	H	H	F	H	heptafloisopropyl	H	F
12-3120	2,2,2-tricloetyl	Me	H	F	CN	H	H	F	H	nonaflo-2-butyl	H	F
12-3131	2,2,2-tricloetyl	Me	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	Cl
12-3160	2,2,2-tricloetyl	Me	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	Cl
12-3189	2,2,2-tricloetyl	Me	H	F	CN	H	H	Br	H	heptafloisopropyl	H	Br
12-3218	2,2,2-tricloetyl	Me	H	F	CN	H	H	Br	H	nonaflo-2-butyl	H	Br
12-3247	2,2,2-tricloetyl	Me	H	F	CN	H	H	I	H	heptafloisopropyl	H	I
12-3276	2,2,2-tricloetyl	Me	H	F	CN	H	H	I	H	nonaflo-2-butyl	H	I
12-3298	2,2,2-tricloetyl	Me	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	Br
12-3307	2,2,2-tricloetyl	Me	H	F	CN	H	H	F	H	heptafloisopropyl	H	OCF3
12-3308	2,2,2-tricloetyl	Me	H	F	CN	H	H	F	H	nonaflo-2-butyl	H	OCF3
12-3319	2,2,2-tricloetyl	Me	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
12-3348	2,2,2-tricloetyl	Me	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3

Bảng 12(7)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
2-3377	2,2,2-tricloetyl	Me	H	F	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
12-3406	2,2,2-tricloetyl	Me	H	F	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
12-3435	2,2,2-tricloetyl	Me	H	F	CN	H	H	I	H	heptafloisopropyl	H	OCF3
12-3464	2,2,2-tricloetyl	Me	H	F	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
12-3483	2,2,2-tricloetyl	Me	H	F	CN	H	H	F	H	heptafloisopropyl	H	CF3
12-3484	2,2,2-tricloetyl	Me	H	F	CN	H	H	F	H	nonaflo-2-butyl	H	CF3
12-3495	2,2,2-tricloetyl	Me	H	F	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
12-3524	2,2,2-tricloetyl	Me	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
12-3553	2,2,2-tricloetyl	Me	H	F	CN	H	H	Br	H	heptafloisopropyl	H	CF3
12-3582	2,2,2-tricloetyl	Me	H	F	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
12-3611	2,2,2-tricloetyl	Me	H	F	CN	H	H	I	H	heptafloisopropyl	H	CF3
12-3640	2,2,2-tricloetyl	Me	H	F	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
12-3669	2,2,2-tricloetyl	Me	H	F	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
12-3698	2,2,2-tricloetyl	Me	H	F	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
12-3727	2,2,2-tricloetyl	Me	H	F	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
12-3756	2,2,2-tricloetyl	Me	H	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
12-3785	2,2,2-tricloetyl	Me	H	F	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
12-3814	2,2,2-tricloetyl	Me	H	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
12-3833	2,2,2-tricloetyl	Me	H	F	CN	F	H	F	H	heptafloisopropyl	H	F
12-3834	2,2,2-tricloetyl	Me	H	F	CN	F	H	F	H	nonaflo-2-butyl	H	F
12-3845	2,2,2-tricloetyl	Me	H	F	CN	F	H	Cl	H	heptafloisopropyl	H	Cl
12-3874	2,2,2-tricloetyl	Me	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	Cl
12-3903	2,2,2-tricloetyl	Me	H	F	CN	F	H	Br	H	heptafloisopropyl	H	Br
12-3932	2,2,2-tricloetyl	Me	H	F	CN	F	H	Br	H	nonaflo-2-butyl	H	Br
12-3961	2,2,2-tricloetyl	Me	H	F	CN	F	H	I	H	heptafloisopropyl	H	I
12-3990	2,2,2-tricloetyl	Me	H	F	CN	F	H	I	H	nonaflo-2-butyl	H	I
12-4018	2,2,2-tricloetyl	Me	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	Br
12-4021	2,2,2-tricloetyl	Me	H	F	CN	F	H	F	H	heptafloisopropyl	H	OCF3
12-4022	2,2,2-tricloetyl	Me	H	F	CN	F	H	F	H	nonaflo-2-butyl	H	OCF3
12-4033	2,2,2-tricloetyl	Me	H	F	CN	F	H	Cl	H	heptafloisopropyl	H	OCF3
12-4062	2,2,2-tricloetyl	Me	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
12-4091	2,2,2-tricloetyl	Me	H	F	CN	F	H	Br	H	heptafloisopropyl	H	OCF3

12-4120	2,2,2-tricloetyl	Me	H	F	CN	F	H	Br	H	nonaflo-2-butyl	H	OCF3
12-4149	2,2,2-tricloetyl	Me	H	F	CN	F	H	I	H	heptafloisopropyl	H	OCF3
12-4178	2,2,2-tricloetyl	Me	H	F	CN	F	H	I	H	nonaflo-2-butyl	H	OCF3
12-4197	2,2,2-tricloetyl	Me	H	F	CN	F	H	F	H	heptafloisopropyl	H	CF3
12-4198	2,2,2-tricloetyl	Me	H	F	CN	F	H	F	H	nonaflo-2-butyl	H	CF3
12-4209	2,2,2-tricloetyl	Me	H	F	CN	F	H	Cl	H	heptafloisopropyl	H	CF3
12-4238	2,2,2-tricloetyl	Me	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	CF3
12-4267	2,2,2-tricloetyl	Me	H	F	CN	F	H	Br	H	heptafloisopropyl	H	CF3
12-4296	2,2,2-tricloetyl	Me	H	F	CN	F	H	Br	H	nonaflo-2-butyl	H	CF3
12-4325	2,2,2-tricloetyl	Me	H	F	CN	F	H	I	H	heptafloisopropyl	H	CF3
12-4354	2,2,2-tricloetyl	Me	H	F	CN	F	H	I	H	nonaflo-2-butyl	H	CF3
12-4383	2,2,2-tricloetyl	Me	H	F	CN	F	H	OCF3	H	heptafloisopropyl	H	OCF3
12-4412	2,2,2-tricloetyl	Me	H	F	CN	F	H	OCF3	H	nonaflo-2-butyl	H	OCF3
12-4441	2,2,2-tricloetyl	Me	H	F	CN	F	H	CF3	H	heptafloisopropyl	H	OCF3
12-4470	2,2,2-tricloetyl	Me	H	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	OCF3
12-4499	2,2,2-tricloetyl	Me	H	F	CN	F	H	CF3	H	heptafloisopropyl	H	CF3
12-4528	2,2,2-tricloetyl	Me	H	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	CF3



Bảng 13(1)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
13-1	2,2,2-tricloetyl	H	Me	H	H	H	H	F	H	heptafloisopropyl	H	OCF3
13-2	2,2,2-tricloetyl	H	Me	H	H	H	H	F	H	nonaflo-2-butyl	H	OCF3
13-13	2,2,2-tricloetyl	H	Me	H	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
13-42	2,2,2-tricloetyl	H	Me	H	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
13-71	2,2,2-tricloetyl	H	Me	H	H	H	H	Br	H	heptafloisopropyl	H	OCF3
13-100	2,2,2-tricloetyl	H	Me	H	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
13-129	2,2,2-tricloetyl	H	Me	H	H	H	H	I	H	heptafloisopropyl	H	OCF3
13-158	2,2,2-tricloetyl	H	Me	H	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
13-177	2,2,2-tricloetyl	H	Me	H	H	H	H	F	H	heptafloisopropyl	H	CF3
13-178	2,2,2-tricloetyl	H	Me	H	H	H	H	F	H	nonaflo-2-butyl	H	CF3
13-189	2,2,2-tricloetyl	H	Me	H	H	H	H	Cl	H	heptafloisopropyl	H	CF3
13-218	2,2,2-tricloetyl	H	Me	H	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
13-247	2,2,2-tricloetyl	H	Me	H	H	H	H	Br	H	heptafloisopropyl	H	CF3
13-276	2,2,2-tricloetyl	H	Me	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
13-305	2,2,2-tricloetyl	H	Me	H	H	H	H	I	H	heptafloisopropyl	H	CF3
13-334	2,2,2-tricloetyl	H	Me	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3
13-363	2,2,2-tricloetyl	H	Me	H	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
13-392	2,2,2-tricloetyl	H	Me	H	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
13-421	2,2,2-tricloetyl	H	Me	H	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
13-450	2,2,2-tricloetyl	H	Me	H	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
13-479	2,2,2-tricloetyl	H	Me	H	H	H	H	CF3	H	heptafloisopropyl	H	CF3
13-508	2,2,2-tricloetyl	H	Me	H	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
13-527	2,2,2-tricloetyl	H	Me	F	H	H	H	F	H	heptafloisopropyl	H	F
13-528	2,2,2-tricloetyl	H	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	Cl
13-529	2,2,2-tricloetyl	H	Me	F	H	H	H	Br	H	heptafloisopropyl	H	Br

13-530	2,2,2-tricloetyl	H	Me	F	H	H	H	I	H	heptafloisopropyl	H	I
13-531	2,2,2-tricloetyl	H	Me	F	H	H	H	F	H	heptafloisopropyl	H	OCF3
13-532	2,2,2-tricloetyl	H	Me	F	H	H	H	F	H	nonaflo-2-butyl	H	OCF3
13-543	2,2,2-tricloetyl	H	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
13-572	2,2,2-tricloetyl	H	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
13-601	2,2,2-tricloetyl	H	Me	F	H	H	H	Br	H	heptafloisopropyl	H	OCF3
13-630	2,2,2-tricloetyl	H	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
13-659	2,2,2-tricloetyl	H	Me	F	H	H	H	I	H	heptafloisopropyl	H	OCF3
13-688	2,2,2-tricloetyl	H	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
13-707	2,2,2-tricloetyl	H	Me	F	H	H	H	F	H	heptafloisopropyl	H	CF3
13-708	2,2,2-tricloetyl	H	Me	F	H	H	H	F	H	nonaflo-2-butyl	H	CF3
13-715	2-xyanoetyl	H	Et	F	H	H	H	Cl	H	heptafloisopropyl	H	C2F5
13-719	2,2,2-tricloetyl	H	Me	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
13-721	n-propyl	H	Me	F	H	H	H	Cl	H	pentafloetyl	H	CF3
13-725	i-propyl	H	n-Pr	F	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
13-728	1,3-diclo-2-propyl	H	Me	F	H	H	H	Cl	H	pentafloetyl	H	CF3
13-729	1-clo-3-flo-2-propyl	H	i-Pr	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
13-733	i-butyl	H	CH2CH = CH2	F	H	H	H	Cl	H	heptafloisopropyl	H	CF3
13-739	etyl	H	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
13-744	2-xyanoetyl	H	CN	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
13-748	2,2,2-tricloetyl	H	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
13-750	n-propyl	H	CH2C≡ CH	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
13-762	i-butyl	H	NH2	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
13-773	2-xyanoetyl	H	Me	F	H	H	H	Br	H	heptafloisopropyl	H	C2F5
13-777	2,2,2-tricloetyl	H	Me	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
13-779	n-propyl	H	C(O)OMe	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
13-784	1,2-diflo-2-propyl	H	Me	F	H	H	H	Br	H	heptafloisopropyl	H	n-C3F7
13-790	4,4,4-triflo-n-butyl	H	Me	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
13-793	vinyl	H	C(O)C(O)OMe	F	H	H	H	Br	H	heptafloisopropyl	H	CF3
13-806	2,2,2-tricloetyl	H	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3

Bảng 13(2)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
13-808	n-propyl	H	C(O)OEt	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
13-812	i-propyl	H	C(O)Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
13-819	4,4,4-triflo-n-butyl	H	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
13-824	phenyl	H	C(O)C(O)OEt	F	H	H	H	Br	H	nonaflo-2-butyl	H	i-C3F7
13-835	2,2,2-tricloetyl	H	Me	F	H	H	H	I	H	heptafloisopropyl	H	CF3
13-840	3-brom-n-propyl	H	C(O)Et	F	H	H	H	I	H	heptafloisopropyl	H	C2F5
13-848	4,4,4-triflo-n-butyl	H	Me	F	H	H	H	I	H	heptafloisopropyl	H	CF3
13-852	benzyl	H	S(O)2Me	F	H	H	H	I	H	heptafloisopropyl	H	CF3
13-860	2-xyanoetyl	H	S(O)2Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
13-864	2,2,2-tricloetyl	H	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
13-866	n-propyl	H	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	n-C3F7
13-870	i-propyl	H	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
13-877	4,4,4-triflo-n-butyl	H	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
13-879	s-butyl	H	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
13-880	vinyl	H	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	i-C3F7
13-893	2,2,2-tricloetyl	H	Me	F	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
13-922	2,2,2-tricloetyl	H	Me	F	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
13-951	2,2,2-tricloetyl	H	Me	F	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
13-980	2,2,2-tricloetyl	H	Me	F	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
13-1009	2,2,2-tricloetyl	H	Me	F	H	H	H	CF3	H	heptafloisopropyl	H	CF3
13-1038	2,2,2-tricloetyl	H	Me	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
13-1057	2,2,2-tricloetyl	H	Me	H	F	H	H	F	H	heptafloisopropyl	H	F
13-1058	2,2,2-tricloetyl	H	Me	H	F	H	H	F	H	nonaflo-2-butyl	H	F
13-1069	2,2,2-tricloetyl	H	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	Cl
13-1098	2,2,2-tricloetyl	H	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
13-1127	2,2,2-tricloetyl	H	Me	H	F	H	H	Br	H	heptafloisopropyl	H	Br
13-1156	2,2,2-tricloetyl	H	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	Br

13-1185	2,2,2-tricloetyl	H	Me	H	F	H	H	I	H	heptafloisopropyl	H	I
13-1214	2,2,2-tricloetyl	H	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	I
13-1236	2,2,2-tricloetyl	H	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	Br
13-1245	2,2,2-tricloetyl	H	Me	H	F	H	H	F	H	heptafloisopropyl	H	OCF3
13-1246	2,2,2-tricloetyl	H	Me	H	F	H	H	F	H	nonaflo-2-butyl	H	OCF3
13-1257	2,2,2-tricloetyl	H	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
13-1286	2,2,2-tricloetyl	H	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
13-1315	2,2,2-tricloetyl	H	Me	H	F	H	H	Br	H	heptafloisopropyl	H	OCF3
13-1344	2,2,2-tricloetyl	H	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
13-1373	2,2,2-tricloetyl	H	Me	H	F	H	H	I	H	heptafloisopropyl	H	OCF3
13-1402	2,2,2-tricloetyl	H	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
13-1421	2,2,2-tricloetyl	H	Me	H	F	H	H	F	H	heptafloisopropyl	H	CF3
13-1422	2,2,2-tricloetyl	H	Me	H	F	H	H	F	H	nonaflo-2-butyl	H	CF3
13-1433	2,2,2-tricloetyl	H	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	CF3
13-1462	2,2,2-tricloetyl	H	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
13-1491	2,2,2-tricloetyl	H	Me	H	F	H	H	Br	H	heptafloisopropyl	H	CF3
13-1520	2,2,2-tricloetyl	H	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
13-1549	2,2,2-tricloetyl	H	Me	H	F	H	H	I	H	heptafloisopropyl	H	CF3
13-1578	2,2,2-tricloetyl	H	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	CF3
13-1607	2,2,2-tricloetyl	H	Me	H	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
13-1636	2,2,2-tricloetyl	H	Me	H	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
13-1665	2,2,2-tricloetyl	H	Me	H	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
13-1694	2,2,2-tricloetyl	H	Me	H	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
13-1723	2,2,2-tricloetyl	H	Me	H	F	H	H	CF3	H	heptafloisopropyl	H	CF3
13-1752	2,2,2-tricloetyl	H	Me	H	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
13-1771	2,2,2-tricloetyl	H	Me	F	F	H	H	F	H	heptafloisopropyl	H	F
13-1772	2,2,2-tricloetyl	H	Me	F	F	H	H	F	H	nonaflo-2-butyl	H	F
13-1783	2,2,2-tricloetyl	H	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	Cl
13-1812	2,2,2-tricloetyl	H	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl

13-1841	2,2,2-tricloetyl	H	Me	F	F	H	H	Br	H	heptafloisopropyl	H	Br
13-1870	2,2,2-tricloetyl	H	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	Br
13-1899	2,2,2-tricloetyl	H	Me	F	F	H	H	I	H	heptafloisopropyl	H	I
13-1928	2,2,2-tricloetyl	H	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	I
13-1956	2,2,2-tricloetyl	H	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	Br
13-1959	2,2,2-tricloetyl	H	Me	F	F	H	H	F	H	heptafloisopropyl	H	OCF3
13-1960	2,2,2-tricloetyl	H	Me	F	F	H	H	F	H	nonaflo-2-butyl	H	OCF3
13-1971	2,2,2-tricloetyl	H	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	OCF3

Bảng 13(3)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
13-2000	2,2,2-tricloetyl	H	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
13-2029	2,2,2-tricloetyl	H	Me	F	F	H	H	Br	H	heptafloisopropyl	H	OCF3
13-2058	2,2,2-tricloetyl	H	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
13-2087	2,2,2-tricloetyl	H	Me	F	F	H	H	I	H	heptafloisopropyl	H	OCF3
13-2116	2,2,2-tricloetyl	H	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
13-2135	2,2,2-tricloetyl	H	Me	F	F	H	H	F	H	heptafloisopropyl	H	CF3
13-2136	2,2,2-tricloetyl	H	Me	F	F	H	H	F	H	nonaflo-2-butyl	H	CF3
13-2147	2,2,2-tricloetyl	H	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	CF3
13-2176	2,2,2-tricloetyl	H	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
13-2205	2,2,2-tricloetyl	H	Me	F	F	H	H	Br	H	heptafloisopropyl	H	CF3
13-2234	2,2,2-tricloetyl	H	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
13-2263	2,2,2-tricloetyl	H	Me	F	F	H	H	I	H	heptafloisopropyl	H	CF3
13-2292	2,2,2-tricloetyl	H	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	CF3
13-2321	2,2,2-tricloetyl	H	Me	F	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
13-2350	2,2,2-tricloetyl	H	Me	F	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
13-2379	2,2,2-tricloetyl	H	Me	F	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
13-2408	2,2,2-tricloetyl	H	Me	F	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
13-2437	2,2,2-tricloetyl	H	Me	F	F	H	H	CF3	H	heptafloisopropyl	H	CF3
13-2439	n-propyl	H	S(O)2Me	F	F	H	H	CF3	H	heptafloisopropyl	H	CF3
13-2466	2,2,2-tricloetyl	H	Me	F	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
13-2485	2,2,2-tricloetyl	H	Me	F	F	F	H	Cl	H	pentafloetyl	H	Cl
13-2486	2,2,2-tricloetyl	H	Me	F	F	F	H	Br	H	heptafloisopropyl	H	Br
13-2487	2,2,2-tricloetyl	H	Me	F	F	F	H	Br	H	heptafloisopropyl	H	OCF3
13-2488	2,2,2-tricloetyl	H	Me	F	F	F	H	I	H	heptafloisopropyl	H	CF3
13-2489	2,2,2-tricloetyl	H	Me	F	F	F	H	CF3	H	heptafloisopropyl	H	CF3
13-2490	2,2,2-tricloetyl	H	Me	F	F	F	H	I	H	nonaflo-2-butyl	H	I
13-2491	2,2,2-tricloetyl	H	Me	F	F	F	H	Cl	H	nonaflo-2-butyl	H	OCF3

13-2492	2,2,2-tricloetyl	H	Me	F	F	F	H	Br	H	nonaflo-2-butyl	H	CF3
13-2493	2,2,2-tricloetyl	H	Me	F	F	F	H	CF3	H	nonaflo-2-butyl	H	CF3
13-2494	2,2,2-tricloetyl	H	Me	H	H	F	H	Cl	H	pentafloetyl	H	Cl
13-2495	2,2,2-tricloetyl	H	Me	H	H	F	H	Br	H	heptafloisopropyl	H	Br
13-2496	2,2,2-tricloetyl	H	Me	H	H	F	H	Br	H	heptafloisopropyl	H	OCF3
13-2497	2,2,2-tricloetyl	H	Me	H	H	F	H	I	H	heptafloisopropyl	H	CF3
13-2498	2,2,2-tricloetyl	H	Me	H	H	F	H	CF3	H	heptafloisopropyl	H	CF3
13-2499	2,2,2-tricloetyl	H	Me	H	H	F	H	I	H	nonaflo-2-butyl	H	I
13-2500	2,2,2-tricloetyl	H	Me	H	H	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
13-2501	2,2,2-tricloetyl	H	Me	H	H	F	H	Br	H	nonaflo-2-butyl	H	CF3
13-2502	2,2,2-tricloetyl	H	Me	H	H	F	H	CF3	H	nonaflo-2-butyl	H	CF3
13-2503	2,2,2-tricloetyl	H	Me	H	H	H	F	Cl	H	pentafloetyl	H	Cl
13-2504	2,2,2-tricloetyl	H	Me	H	H	H	F	Br	H	heptafloisopropyl	H	Br
13-2505	2,2,2-tricloetyl	H	Me	H	H	H	F	Br	H	heptafloisopropyl	H	OCF3
13-2506	2,2,2-tricloetyl	H	Me	H	H	H	F	I	H	heptafloisopropyl	H	CF3
13-2507	2,2,2-tricloetyl	H	Me	H	H	H	F	CF3	H	heptafloisopropyl	H	CF3
13-2508	2,2,2-tricloetyl	H	Me	H	H	H	F	I	H	nonaflo-2-butyl	H	I
13-2509	2,2,2-tricloetyl	H	Me	H	H	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
13-2510	2,2,2-tricloetyl	H	Me	H	H	H	F	Br	H	nonaflo-2-butyl	H	CF3
13-2511	2,2,2-tricloetyl	H	Me	H	H	H	F	CF3	H	nonaflo-2-butyl	H	CF3
13-2512	2,2,2-tricloetyl	H	Me	F	H	F	H	Cl	H	pentafloetyl	H	Cl
13-2513	2,2,2-tricloetyl	H	Me	F	H	F	H	Br	H	heptafloisopropyl	H	Br
13-2514	2,2,2-tricloetyl	H	Me	F	H	F	H	Br	H	heptafloisopropyl	H	OCF3
13-2515	2,2,2-tricloetyl	H	Me	F	H	F	H	I	H	heptafloisopropyl	H	CF3
13-2516	2,2,2-tricloetyl	H	Me	F	H	F	H	CF3	H	heptafloisopropyl	H	CF3
13-2517	2,2,2-tricloetyl	H	Me	F	H	F	H	I	H	nonaflo-2-butyl	H	I
13-2518	2,2,2-tricloetyl	H	Me	F	H	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
13-2519	2,2,2-tricloetyl	H	Me	F	H	F	H	Br	H	nonaflo-2-butyl	H	CF3
13-2520	2,2,2-tricloetyl	H	Me	F	H	F	H	CF3	H	nonaflo-2-butyl	H	CF3

13-2521	2,2,2-tricloetyl	H	Me	F	H	H	F	Cl	H	pentafloetyl	H	Cl
13-2522	2,2,2-tricloetyl	H	Me	F	H	H	F	Br	H	heptafloisopropyl	H	Br
13-2523	2,2,2-tricloetyl	H	Me	F	H	H	F	Br	H	heptafloisopropyl	H	OCF3
13-2524	2,2,2-tricloetyl	H	Me	F	H	H	F	I	H	heptafloisopropyl	H	CF3
13-2525	2,2,2-tricloetyl	H	Me	F	H	H	F	CF3	H	heptafloisopropyl	H	CF3
13-2526	2,2,2-tricloetyl	H	Me	F	H	H	F	I	H	nonaflo-2-butyl	H	I
13-2527	2,2,2-tricloetyl	H	Me	F	H	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
13-2528	2,2,2-tricloetyl	H	Me	F	H	H	F	Br	H	nonaflo-2-butyl	H	CF3

Bảng 13(4)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
13-2529	2,2,2-tricloetyl	H	Me	F	H	H	F	CF3	H	nonaflo-2-butyl	H	CF3
13-2530	2,2,2-tricloetyl	H	Me	H	F	F	H	Cl	H	pentafloetyl	H	Cl
13-2531	2,2,2-tricloetyl	H	Me	H	F	F	H	Br	H	heptafloisopropyl	H	Br
13-2532	2,2,2-tricloetyl	H	Me	H	F	F	H	Br	H	heptafloisopropyl	H	OCF3
13-2533	2,2,2-tricloetyl	H	Me	H	F	F	H	I	H	heptafloisopropyl	H	CF3
13-2534	2,2,2-tricloetyl	H	Me	H	F	F	H	CF3	H	heptafloisopropyl	H	CF3
13-2535	2,2,2-tricloetyl	H	Me	H	F	F	H	I	H	nonaflo-2-butyl	H	I
13-2536	2,2,2-tricloetyl	H	Me	H	F	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
13-2537	2,2,2-tricloetyl	H	Me	H	F	F	H	Br	H	nonaflo-2-butyl	H	CF3
13-2538	2,2,2-tricloetyl	H	Me	H	F	F	H	CF3	H	nonaflo-2-butyl	H	CF3
13-2539	2,2,2-tricloetyl	H	Me	H	F	H	F	Cl	H	pentafloetyl	H	Cl
13-2540	2,2,2-tricloetyl	H	Me	H	F	H	F	Br	H	heptafloisopropyl	H	Br
13-2541	2,2,2-tricloetyl	H	Me	H	F	H	F	Br	H	heptafloisopropyl	H	OCF3
13-2542	2,2,2-tricloetyl	H	Me	H	F	H	F	I	H	heptafloisopropyl	H	CF3
13-2543	2,2,2-tricloetyl	H	Me	H	F	H	F	CF3	H	heptafloisopropyl	H	CF3
13-2544	2,2,2-tricloetyl	H	Me	H	F	H	F	I	H	nonaflo-2-butyl	H	I
13-2545	2,2,2-tricloetyl	H	Me	H	F	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
13-2546	2,2,2-tricloetyl	H	Me	H	F	H	F	Br	H	nonaflo-2-butyl	H	CF3
13-2547	2,2,2-tricloetyl	H	Me	H	F	H	F	CF3	H	nonaflo-2-butyl	H	CF3
13-2548	2,2,2-tricloetyl	H	Me	H	H	F	F	Cl	H	pentafloetyl	H	Cl
13-2549	2,2,2-tricloetyl	H	Me	H	H	F	F	Br	H	heptafloisopropyl	H	Br
13-2550	2,2,2-tricloetyl	H	Me	H	H	F	F	Br	H	heptafloisopropyl	H	OCF3
13-2551	2,2,2-tricloetyl	H	Me	H	H	F	F	I	H	heptafloisopropyl	H	CF3
13-2552	2,2,2-tricloetyl	H	Me	H	H	F	F	CF3	H	heptafloisopropyl	H	CF3
13-2553	2,2,2-tricloetyl	H	Me	H	H	F	F	I	H	nonaflo-2-butyl	H	I
13-2554	2,2,2-tricloetyl	H	Me	H	H	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
13-2555	2,2,2-tricloetyl	H	Me	H	H	F	F	Br	H	nonaflo-2-butyl	H	CF3
13-2556	2,2,2-tricloetyl	H	Me	H	H	F	F	CF3	H	nonaflo-2-butyl	H	CF3
13-2557	2,2,2-tricloetyl	H	Me	F	F	H	F	Cl	H	pentafloetyl	H	Cl
13-2558	2,2,2-tricloetyl	H	Me	F	F	H	F	Br	H	heptafloisopropyl	H	Br
13-2559	2,2,2-tricloetyl	H	Me	F	F	H	F	Br	H	heptafloisopropyl	H	OCF3

13-2560	2,2,2-tricloetyl	H	Me	F	F	H	F	I	H	heptafloisopropyl	H	CF3
13-2561	2,2,2-tricloetyl	H	Me	F	F	H	F	CF3	H	heptafloisopropyl	H	CF3
13-2562	2,2,2-tricloetyl	H	Me	F	F	H	F	I	H	nonaflo-2-butyl	H	I
13-2563	2,2,2-tricloetyl	H	Me	F	F	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
13-2564	2,2,2-tricloetyl	H	Me	F	F	H	F	Br	H	nonaflo-2-butyl	H	CF3
13-2565	2,2,2-tricloetyl	H	Me	F	F	H	F	CF3	H	nonaflo-2-butyl	H	CF3
13-2566	2,2,2-tricloetyl	H	Me	F	H	F	F	Cl	H	pentafloetyl	H	Cl
13-2567	2,2,2-tricloetyl	H	Me	F	H	F	F	Br	H	heptafloisopropyl	H	Br
13-2568	2,2,2-tricloetyl	H	Me	F	H	F	F	Br	H	heptafloisopropyl	H	OCF3
13-2569	2,2,2-tricloetyl	H	Me	F	H	F	F	I	H	heptafloisopropyl	H	CF3
13-2570	2,2,2-tricloetyl	H	Me	F	H	F	F	CF3	H	heptafloisopropyl	H	CF3
13-2571	2,2,2-tricloetyl	H	Me	F	H	F	F	I	H	nonaflo-2-butyl	H	I
13-2572	2,2,2-tricloetyl	H	Me	F	H	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
13-2573	2,2,2-tricloetyl	H	Me	F	H	F	F	Br	H	nonaflo-2-butyl	H	CF3
13-2574	2,2,2-tricloetyl	H	Me	F	H	F	F	CF3	H	nonaflo-2-butyl	H	CF3
13-2575	2,2,2-tricloetyl	H	Me	H	F	F	F	Cl	H	pentafloetyl	H	Cl
13-2576	2,2,2-tricloetyl	H	Me	H	F	F	F	Br	H	heptafloisopropyl	H	Br
13-2577	2,2,2-tricloetyl	H	Me	H	F	F	F	Br	H	heptafloisopropyl	H	OCF3
13-2578	2,2,2-tricloetyl	H	Me	H	F	F	F	I	H	heptafloisopropyl	H	CF3
13-2579	2,2,2-tricloetyl	H	Me	H	F	F	F	CF3	H	heptafloisopropyl	H	CF3
13-2580	2,2,2-tricloetyl	H	Me	H	F	F	F	I	H	nonaflo-2-butyl	H	I
13-2581	2,2,2-tricloetyl	H	Me	H	F	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
13-2582	2,2,2-tricloetyl	H	Me	H	F	F	F	Br	H	nonaflo-2-butyl	H	CF3
13-2583	2,2,2-tricloetyl	H	Me	H	F	F	F	CF3	H	nonaflo-2-butyl	H	CF3
13-2584	2,2,2-tricloetyl	H	Me	F	F	F	F	Cl	H	pentafloetyl	H	Cl
13-2585	2,2,2-tricloetyl	H	Me	F	F	F	F	Br	H	heptafloisopropyl	H	Br
13-2586	2,2,2-tricloetyl	H	Me	F	F	F	F	Br	H	heptafloisopropyl	H	OCF3
13-2587	2,2,2-tricloetyl	H	Me	F	F	F	F	I	H	heptafloisopropyl	H	CF3
13-2588	2,2,2-tricloetyl	H	Me	F	F	F	F	CF3	H	heptafloisopropyl	H	CF3
13-2589	2,2,2-tricloetyl	H	Me	F	F	F	F	I	H	nonaflo-2-butyl	H	I
13-2590	2,2,2-tricloetyl	H	Me	F	F	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
13-2591	2,2,2-tricloetyl	H	Me	F	F	F	F	Br	H	nonaflo-2-butyl	H	CF3
13-2592	2,2,2-tricloetyl	H	Me	F	F	F	F	CF3	H	nonaflo-2-butyl	H	CF3

Bảng 13(5)

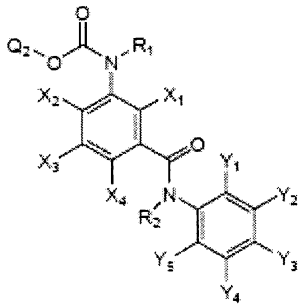
Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
13-2593	2,2,2-tricloetyl	H	Me	H	CN	H	H	F	H	heptafloisopropyl	H	OCF3
13-2594	2,2,2-tricloetyl	H	Me	H	CN	H	H	F	H	nonaflo-2-butyl	H	OCF3
13-2605	2,2,2-tricloetyl	H	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
13-2634	2,2,2-tricloetyl	H	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
13-2663	2,2,2-tricloetyl	H	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
13-2692	2,2,2-tricloetyl	H	Me	H	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
13-2721	2,2,2-tricloetyl	H	Me	H	CN	H	H	I	H	heptafloisopropyl	H	OCF3
13-2750	2,2,2-tricloetyl	H	Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
13-2769	2,2,2-tricloetyl	H	Me	H	CN	H	H	F	H	heptafloisopropyl	H	CF3
13-2770	2,2,2-tricloetyl	H	Me	H	CN	H	H	F	H	nonaflo-2-butyl	H	CF3
13-2781	2,2,2-tricloetyl	H	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
13-2810	2,2,2-tricloetyl	H	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
13-2839	2,2,2-tricloetyl	H	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
13-2868	2,2,2-tricloetyl	H	Me	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
13-2897	2,2,2-tricloetyl	H	Me	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
13-2926	2,2,2-tricloetyl	H	Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
13-2955	2,2,2-tricloetyl	H	Me	H	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
13-2984	2,2,2-tricloetyl	H	Me	H	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
13-3013	2,2,2-tricloetyl	H	Me	H	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
13-3042	2,2,2-tricloetyl	H	Me	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
13-3071	2,2,2-tricloetyl	H	Me	H	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
13-3100	2,2,2-tricloetyl	H	Me	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
13-3119	2,2,2-tricloetyl	H	Me	F	CN	H	H	F	H	heptafloisopropyl	H	F
13-3120	2,2,2-tricloetyl	H	Me	F	CN	H	H	F	H	nonaflo-2-butyl	H	F
13-3131	2,2,2-tricloetyl	H	Me	F	CN	H	H	Cl	H	heptafloisopropyl	H	Cl
13-3160	2,2,2-tricloetyl	H	Me	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	Cl

13-3189	2,2,2-tricloetyl	H	Me	F	CN	H	H	Br	H	heptafloisopropyl	H	Br
13-3218	2,2,2-tricloetyl	H	Me	F	CN	H	H	Br	H	nonaflo-2-butyl	H	Br
13-3247	2,2,2-tricloetyl	H	Me	F	CN	H	H	I	H	heptafloisopropyl	H	I
13-3276	2,2,2-tricloetyl	H	Me	F	CN	H	H	I	H	nonaflo-2-butyl	H	I
13-3298	2,2,2-tricloetyl	H	Me	F	CN	H	H	Cl	H	heptafloisopropyl	H	Br
13-3307	2,2,2-tricloetyl	H	Me	F	CN	H	H	F	H	heptafloisopropyl	H	OCF3
13-3308	2,2,2-tricloetyl	H	Me	F	CN	H	H	F	H	nonaflo-2-butyl	H	OCF3
13-3319	2,2,2-tricloetyl	H	Me	F	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
13-3348	2,2,2-tricloetyl	H	Me	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
13-3377	2,2,2-tricloetyl	H	Me	F	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
13-3406	2,2,2-tricloetyl	H	Me	F	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
13-3435	2,2,2-tricloetyl	H	Me	F	CN	H	H	I	H	heptafloisopropyl	H	OCF3
13-3464	2,2,2-tricloetyl	H	Me	F	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
13-3483	2,2,2-tricloetyl	H	Me	F	CN	H	H	F	H	heptafloisopropyl	H	CF3
13-3484	2,2,2-tricloetyl	H	Me	F	CN	H	H	F	H	nonaflo-2-butyl	H	CF3
13-3495	2,2,2-tricloetyl	H	Me	F	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
13-3524	2,2,2-tricloetyl	H	Me	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
13-3553	2,2,2-tricloetyl	H	Me	F	CN	H	H	Br	H	heptafloisopropyl	H	CF3
13-3582	2,2,2-tricloetyl	H	Me	F	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
13-3611	2,2,2-tricloetyl	H	Me	F	CN	H	H	I	H	heptafloisopropyl	H	CF3
13-3640	2,2,2-tricloetyl	H	Me	F	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
13-3669	2,2,2-tricloetyl	H	Me	F	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
13-3698	2,2,2-tricloetyl	H	Me	F	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
13-3727	2,2,2-tricloetyl	H	Me	F	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
13-3756	2,2,2-tricloetyl	H	Me	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
13-3785	2,2,2-tricloetyl	H	Me	F	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
13-3814	2,2,2-tricloetyl	H	Me	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
13-3833	2,2,2-tricloetyl	H	Me	F	CN	F	H	F	H	heptafloisopropyl	H	F
13-3834	2,2,2-tricloetyl	H	Me	F	CN	F	H	F	H	nonaflo-2-butyl	H	F

13-3845	2,2,2-tricloetyl	H	Me	F	CN	F	H	Cl	H	heptafloisopropyl	H	Cl
13-3874	2,2,2-tricloetyl	H	Me	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	Cl
13-3903	2,2,2-tricloetyl	H	Me	F	CN	F	H	Br	H	heptafloisopropyl	H	Br
13-3932	2,2,2-tricloetyl	H	Me	F	CN	F	H	Br	H	nonaflo-2-butyl	H	Br
13-3961	2,2,2-tricloetyl	H	Me	F	CN	F	H	I	H	heptafloisopropyl	H	I
13-3990	2,2,2-tricloetyl	H	Me	F	CN	F	H	I	H	nonaflo-2-butyl	H	I
13-4012	2,2,2-tricloetyl	H	Me	F	CN	F	H	Cl	H	heptafloisopropyl	H	Br
13-4021	2,2,2-tricloetyl	H	Me	F	CN	F	H	F	H	heptafloisopropyl	H	OCF3
13-4022	2,2,2-tricloetyl	H	Me	F	CN	F	H	F	H	nonaflo-2-butyl	H	OCF3

Bảng 13(6)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
13-4033	2,2,2-tricloetyl	H	Me	F	CN	F	H	Cl	H	heptafloisopropyl	H	OCF3
13-4062	2,2,2-tricloetyl	H	Me	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
13-4091	2,2,2-tricloetyl	H	Me	F	CN	F	H	Br	H	heptafloisopropyl	H	OCF3
13-4120	2,2,2-tricloetyl	H	Me	F	CN	F	H	Br	H	nonaflo-2-butyl	H	OCF3
13-4149	2,2,2-tricloetyl	H	Me	F	CN	F	H	I	H	heptafloisopropyl	H	OCF3
13-4178	2,2,2-tricloetyl	H	Me	F	CN	F	H	I	H	nonaflo-2-butyl	H	OCF3
13-4197	2,2,2-tricloetyl	H	Me	F	CN	F	H	F	H	heptafloisopropyl	H	CF3
13-4198	2,2,2-tricloetyl	H	Me	F	CN	F	H	F	H	nonaflo-2-butyl	H	CF3
13-4209	2,2,2-tricloetyl	H	Me	F	CN	F	H	Cl	H	heptafloisopropyl	H	CF3
13-4238	2,2,2-tricloetyl	H	Me	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	CF3
13-4267	2,2,2-tricloetyl	H	Me	F	CN	F	H	Br	H	heptafloisopropyl	H	CF3
13-4296	2,2,2-tricloetyl	H	Me	F	CN	F	H	Br	H	nonaflo-2-butyl	H	CF3
13-4325	2,2,2-tricloetyl	H	Me	F	CN	F	H	I	H	heptafloisopropyl	H	CF3
13-4354	2,2,2-tricloetyl	H	Me	F	CN	F	H	I	H	nonaflo-2-butyl	H	CF3
13-4383	2,2,2-tricloetyl	H	Me	F	CN	F	H	OCF3	H	heptafloisopropyl	H	OCF3
13-4412	2,2,2-tricloetyl	H	Me	F	CN	F	H	OCF3	H	nonaflo-2-butyl	H	OCF3
13-4441	2,2,2-tricloetyl	H	Me	F	CN	F	H	CF3	H	heptafloisopropyl	H	OCF3
13-4470	2,2,2-tricloetyl	H	Me	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	OCF3
13-4499	2,2,2-tricloetyl	H	Me	F	CN	F	H	CF3	H	heptafloisopropyl	H	CF3
13-4528	2,2,2-tricloetyl	H	Me	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	CF3



Bảng 14(1)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y 2	Y3	Y4	Y5
14-1	2,2,2-tricloetyl	Me	Me	H	H	H	H	F	H	heptaflo isopropyl	H	OCF3
14-2	2,2,2-tricloetyl	Me	Me	H	H	H	H	F	H	nonaflo-2-butyl	H	OCF3
14-13	2,2,2-tricloetyl	Me	Me	H	H	H	H	Cl	H	heptaflo isopropyl	H	OCF3
14-42	2,2,2-tricloetyl	Me	Me	H	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
14-71	2,2,2-tricloetyl	Me	Me	H	H	H	H	Br	H	heptaflo isopropyl	H	OCF3
14-100	2,2,2-tricloetyl	Me	Me	H	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
14-129	2,2,2-tricloetyl	Me	Me	H	H	H	H	I	H	heptaflo isopropyl	H	OCF3
14-158	2,2,2-tricloetyl	Me	Me	H	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
14-373	2,2,2-tricloetyl	Me	Me	H	H	H	H	F	H	heptaflo isopropyl	H	CF3
14-374	2,2,2-tricloetyl	Me	Me	H	H	H	H	F	H	nonaflo-2-butyl	H	CF3
14-385	2,2,2-tricloetyl	Me	Me	H	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
14-414	2,2,2-tricloetyl	Me	Me	H	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
14-443	2,2,2-tricloetyl	Me	Me	H	H	H	H	Br	H	heptaflo isopropyl	H	CF3
14-472	2,2,2-tricloetyl	Me	Me	H	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
14-501	2,2,2-tricloetyl	Me	Me	H	H	H	H	I	H	heptaflo isopropyl	H	CF3
14-530	2,2,2-tricloetyl	Me	Me	H	H	H	H	I	H	nonaflo-2-butyl	H	CF3

14-755	2,2,2-tricloetyl	Me	Me	H	H	H	H	OCF3	H	heptaflo isopropyl	H	OCF3
14-784	2,2,2-tricloetyl	Me	Me	H	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
14-813	2,2,2-tricloetyl	Me	Me	H	H	H	H	CF3	H	heptaflo isopropyl	H	OCF3
14-842	2,2,2-tricloetyl	Me	Me	H	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
14-871	2,2,2-tricloetyl	Me	Me	H	H	H	H	CF3	H	heptaflo isopropyl	H	CF3
14-900	2,2,2-tricloetyl	Me	Me	H	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
14-1115	2,2,2-tricloetyl	Me	Me	F	H	H	H	F	H	heptaflo isopropyl	H	F
14-1116	2,2,2-tricloetyl	Me	Me	F	H	H	H	Cl	H	heptaflo isopropyl	H	Cl
14-1117	2,2,2-tricloetyl	Me	Me	F	H	H	H	Br	H	heptaflo isopropyl	H	Br
14-1118	2,2,2-tricloetyl	Me	Me	F	H	H	H	I	H	heptaflo isopropyl	H	I
14-1119	2,2,2-tricloetyl	Me	Me	F	H	H	H	F	H	heptaflo isopropyl	H	OCF3
14-1120	2,2,2-tricloetyl	Me	Me	F	H	H	H	F	H	nonaflo-2-butyl	H	OCF3
14-1131	2,2,2-tricloetyl	Me	Me	F	H	H	H	Cl	H	heptaflo isopropyl	H	OCF3
14-1160	2,2,2-tricloetyl	Me	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
14-1189	2,2,2-tricloetyl	Me	Me	F	H	H	H	Br	H	heptaflo isopropyl	H	OCF3
14-1218	2,2,2-tricloetyl	Me	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
14-1247	2,2,2-tricloetyl	Me	Me	F	H	H	H	I	H	heptaflo isopropyl	H	OCF3
14-1276	2,2,2-tricloetyl	Me	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
14-1491	2,2,2-tricloetyl	Me	Me	F	H	H	H	F	H	heptaflo isopropyl	H	CF3
14-1492	2,2,2-tricloetyl	Me	Me	F	H	H	H	F	H	nonaflo-2-butyl	H	CF3
14-1498	2-iodoetyl	Me	Et	F	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
14-1499	2-xyanoetyl	Et	Me	F	H	H	H	Cl	H	heptaflo isopropyl	H	C2F5
14-1503	2,2,2-tricloetyl	Me	Me	F	H	H	H	Cl	H	heptaflo isopropyl	H	CF3

14-1505	n-propyl	Me	n-Pr	F	H	H	H	Cl	H	pentaflo etyl	H	CF3
14-1509	i-propyl	n-Pr	Me	F	H	H	H	Cl	H	heptaflo isopropyl	H	n-C3F7
14-1512	1,3-diclo-2-propyl	Me	Me	F	H	H	H	Cl	H	pentafloetyl	H	CF3
14-1513	1-clo-3-flo-2-propyl	i-Pr	Me	F	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
14-1515	n-butyl	Me	i-Pr	F	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
14-1517	i-butyl	CH2CH = CH2	Me	F	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
14-1518	s-butyl	Me	CH2CH = CH2	F	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
14-1519	vinyl	Me	CN	F	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
14-1523	etyl	Me	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
14-1528	2-xyano etyl	CN	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
14-1532	2,2,2-tricloetyl	Me	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
14-1533	2,2,2-tribrom etyl	Me	CH2C≡ CH	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
14-1534	n-propyl	CH2C≡ CH	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
14-1544	n-butyl	Me	NH2	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
14-1546	i-butyl	NH2	Me	F	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
14-1557	2-xyano etyl	Me	C(O)OMe	F	H	H	H	Br	H	heptaflo isopropyl	H	C2F5

Bảng 14(2)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
14-1561	2,2,2-tricloetyl	Me	Me	F	H	H	H	Br	H	heptaflo isopropyl	H	CF3
14-1563	n-propyl	C(O)OMe	Me	F	H	H	H	Br	H	heptaflo isopropyl	H	CF3
14-1568	1,2-diflo-2-propyl	Me	Me	F	H	H	H	Br	H	heptaflo isopropyl	H	n-C3F7
14-1574	4,4,4-triflo-n-butyl	Me	Me	F	H	H	H	Br	H	heptaflo isopropyl	H	CF3
14-1575	i-butyl	Me	C(O)C(O)OMe	F	H	H	H	Br	H	heptaflo isopropyl	H	CF3
14-1577	vinyl	C(O)C(O)OMe	Me	F	H	H	H	Br	H	heptaflo isopropyl	H	CF3
14-1586	2-xyanoetyl	Me	C(O)OEt	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
14-1590	2,2,2-tricloetyl	Me	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
14-1592	n-propyl	C(O)OEt	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
14-1595	3-brom-n-propyl	Me	C(O)Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
14-1596	i-propyl	C(O)Me	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
14-1603	4,4,4-triflo-n-butyl	Me	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
14-1604	i-butyl	Me	C(O)C(O)OEt	F	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
14-1608	phenyl	C(O)C(O)OEt	Me	F	H	H	H	Br	H	nonaflo-2-butyl	H	i-C3F7
14-1619	2,2,2-tricloetyl	Me	Me	F	H	H	H	I	H	heptaflo isopropyl	H	CF3
14-1621	n-propyl	Me	C(O)Et	F	H	H	H	I	H	heptaflo isopropyl	H	CF3
14-1624	3-brom-n-propyl	C(O)Et	Me	F	H	H	H	I	H	heptaflo isopropyl	H	C2F5
14-1632	4,4,4-triflo-n-butyl	Me	Me	F	H	H	H	I	H	heptaflo isopropyl	H	CF3
14-1633	i-butyl	Me	S(O)2Me	F	H	H	H	I	H	heptaflo isopropyl	H	CF3
14-1636	benzyl	S(O)2Me	Me	F	H	H	H	I	H	heptaflo isopropyl	H	CF3
14-1643	2-iodoetyl	Me	S(O)2Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

14-1644	2-xyanoetyl	S(O)2Et	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1648	2,2,2-tricloetyl	Me	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1649	2,2,2-tribrometyl	Me	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1650	n-propyl	CH2Ph	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	n-C3F7
14-1654	i-propyl	CH2(3-Py)	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1660	n-butyl	Me	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1661	4,4,4-triflo-n-butyl	Me	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1663	s-butyl	CH2(3-Py-N-oxit)	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1664	vinyl	Me	Me	F	H	H	H	I	H	nonaflo-2-butyl	H	i-C3F7
14-1666	phenyl	Me	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1667	2,2,2-tricloetyl	Et	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1668	2,2,2-tricloetyl	Et	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1669	2,2,2-tricloetyl	Et	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1670	2,2,2-tricloetyl	Et	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1671	2,2,2-tricloetyl	Et	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1672	2,2,2-tricloetyl	Et	CH2C≡ CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1673	2,2,2-tricloetyl	Et	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1674	2,2,2-tricloetyl	Et	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1675	2,2,2-tricloetyl	Et	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1676	2,2,2-tricloetyl	Et	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1677	2,2,2-tricloetyl	Et	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1678	2,2,2-tricloetyl	Et	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1679	2,2,2-tricloetyl	Et	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

14-1680	2,2,2-tricloetyl	Et	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1681	2,2,2-tricloetyl	n-Pr	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1682	2,2,2-tricloetyl	n-Pr	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1683	2,2,2-tricloetyl	n-Pr	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1684	2,2,2-tricloetyl	n-Pr	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1685	2,2,2-tricloetyl	n-Pr	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1686	2,2,2-tricloetyl	n-Pr	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1687	2,2,2-tricloetyl	n-Pr	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1688	2,2,2-tricloetyl	n-Pr	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1689	2,2,2-tricloetyl	n-Pr	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1690	2,2,2-tricloetyl	n-Pr	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1691	2,2,2-tricloetyl	n-Pr	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1692	2,2,2-tricloetyl	n-Pr	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1693	2,2,2-tricloetyl	n-Pr	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1694	2,2,2-tricloetyl	n-Pr	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1695	2,2,2-tricloetyl	i-Pr	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1696	2,2,2-tricloetyl	i-Pr	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1697	2,2,2-tricloetyl	i-Pr	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1698	2,2,2-tricloetyl	i-Pr	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1699	2,2,2-tricloetyl	i-Pr	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 14(3)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
14-1700	2,2,2-tricloetyl	i-Pr	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1701	2,2,2-tricloetyl	i-Pr	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1702	2,2,2-tricloetyl	i-Pr	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1703	2,2,2-tricloetyl	i-Pr	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1704	2,2,2-tricloetyl	i-Pr	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1705	2,2,2-tricloetyl	i-Pr	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1706	2,2,2-tricloetyl	i-Pr	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1707	2,2,2-tricloetyl	i-Pr	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1708	2,2,2-tricloetyl	i-Pr	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1709	2,2,2-tricloetyl	CH2CH = CH2	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1710	2,2,2-tricloetyl	CH2CH = CH2	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1711	2,2,2-tricloetyl	CH2CH = CH2	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1712	2,2,2-tricloetyl	CH2CH = CH2	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1713	2,2,2-tricloetyl	CH2CH = CH2	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1714	2,2,2-tricloetyl	CH2CH = CH2	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1715	2,2,2-tricloetyl	CH2CH = CH2	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1716	2,2,2-tricloetyl	CH2CH = CH2	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1717	2,2,2-tricloetyl	CH2CH = CH2	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1718	2,2,2-tricloetyl	CH2CH = CH2	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1719	2,2,2-tricloetyl	CH2CH = CH2	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1720	2,2,2-tricloetyl	CH2CH = CH2	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

14-1721	2,2,2-tricloetyl	CH2CH = CH2	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1722	2,2,2-tricloetyl	CH2CH = CH2	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1723	2,2,2-tricloetyl	CN	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1724	2,2,2-tricloetyl	CN	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1725	2,2,2-tricloetyl	CN	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1726	2,2,2-tricloetyl	CN	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1727	2,2,2-tricloetyl	CN	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1728	2,2,2-tricloetyl	CN	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1729	2,2,2-tricloetyl	CN	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1730	2,2,2-tricloetyl	CN	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1731	2,2,2-tricloetyl	CN	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1732	2,2,2-tricloetyl	CN	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1733	2,2,2-tricloetyl	CN	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1734	2,2,2-tricloetyl	CN	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1735	2,2,2-tricloetyl	CN	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1736	2,2,2-tricloetyl	CN	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1737	2,2,2-tricloetyl	CH2C≡CH	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1738	2,2,2-tricloetyl	CH2C≡CH	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1739	2,2,2-tricloetyl	CH2C≡CH	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1740	2,2,2-tricloetyl	CH2C≡CH	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1741	2,2,2-tricloetyl	CH2C≡CH	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1742	2,2,2-tricloetyl	CH2C≡CH	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1743	2,2,2-tricloetyl	CH2C≡CH	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

14-1744	2,2,2-tricloetyl	CH2C≡CH	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1745	2,2,2-tricloetyl	CH2C≡CH	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1746	2,2,2-tricloetyl	CH2C≡CH	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1747	2,2,2-tricloetyl	CH2C≡CH	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1748	2,2,2-tricloetyl	CH2C≡CH	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1749	2,2,2-tricloetyl	CH2C≡CH	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1750	2,2,2-tricloetyl	CH2C≡CH	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1751	2,2,2-tricloetyl	NH2	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1752	2,2,2-tricloetyl	NH2	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1753	2,2,2-tricloetyl	NH2	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1754	2,2,2-tricloetyl	NH2	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1755	2,2,2-tricloetyl	NH2	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1756	2,2,2-tricloetyl	NH2	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1757	2,2,2-tricloetyl	NH2	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1758	2,2,2-tricloetyl	NH2	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1759	2,2,2-tricloetyl	NH2	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1760	2,2,2-tricloetyl	NH2	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1761	2,2,2-tricloetyl	NH2	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1762	2,2,2-tricloetyl	NH2	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1763	2,2,2-tricloetyl	NH2	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 14(4)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
14-1764	2,2,2-tricloetyl	NH2	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1765	2,2,2-tricloetyl	C(O)OMe	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1766	2,2,2-tricloetyl	C(O)OMe	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1767	2,2,2-tricloetyl	C(O)OMe	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1768	2,2,2-tricloetyl	C(O)OMe	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1769	2,2,2-tricloetyl	C(O)OMe	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1770	2,2,2-tricloetyl	C(O)OMe	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1771	2,2,2-tricloetyl	C(O)OMe	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1772	2,2,2-tricloetyl	C(O)OMe	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1773	2,2,2-tricloetyl	C(O)OMe	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1774	2,2,2-tricloetyl	C(O)OMe	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1775	2,2,2-tricloetyl	C(O)OMe	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1776	2,2,2-tricloetyl	C(O)OMe	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1777	2,2,2-tricloetyl	C(O)OMe	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1778	2,2,2-tricloetyl	C(O)OMe	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1779	2,2,2-tricloetyl	C(O)C(O)OMe	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

14-1780	2,2,2-tricloetyl	C(O)C(O)OMe	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1781	2,2,2-tricloetyl	C(O)C(O)OMe	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1782	2,2,2-tricloetyl	C(O)C(O)OMe	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1783	2,2,2-tricloetyl	C(O)C(O)OMe	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1784	2,2,2-tricloetyl	C(O)C(O)OMe	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1785	2,2,2-tricloetyl	C(O)C(O)OMe	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1786	2,2,2-tricloetyl	C(O)C(O)OMe	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1787	2,2,2-tricloetyl	C(O)C(O)OMe	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1788	2,2,2-tricloetyl	C(O)C(O)OMe	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1789	2,2,2-tricloetyl	C(O)C(O)OMe	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1790	2,2,2-tricloetyl	C(O)C(O)OMe	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1791	2,2,2-tricloetyl	C(O)C(O)OMe	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1792	2,2,2-tricloetyl	C(O)C(O)OMe	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1793	2,2,2-tricloetyl	C(O)Me	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1794	2,2,2-tricloetyl	C(O)Me	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1795	2,2,2-tricloetyl	C(O)Me	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1796	2,2,2-tricloetyl	C(O)Me	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1797	2,2,2-tricloetyl	C(O)Me	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

14-1798	2,2,2-tricloetyl	C(O)Me	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1799	2,2,2-tricloetyl	C(O)Me	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1800	2,2,2-tricloetyl	C(O)Me	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1801	2,2,2-tricloetyl	C(O)Me	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1802	2,2,2-tricloetyl	C(O)Me	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1803	2,2,2-tricloetyl	C(O)Me	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1804	2,2,2-tricloetyl	C(O)Me	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1805	2,2,2-tricloetyl	C(O)Me	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1806	2,2,2-tricloetyl	C(O)Me	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1807	2,2,2-tricloetyl	S(O)2Me	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1808	2,2,2-tricloetyl	S(O)2Me	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1809	2,2,2-tricloetyl	S(O)2Me	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1810	2,2,2-tricloetyl	S(O)2Me	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1811	2,2,2-tricloetyl	S(O)2Me	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1812	2,2,2-tricloetyl	S(O)2Me	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1813	2,2,2-tricloetyl	S(O)2Me	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1814	2,2,2-tricloetyl	S(O)2Me	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1815	2,2,2-tricloetyl	S(O)2Me	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

14-1816	2,2,2-tricloetyl	S(O)2Me	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1817	2,2,2-tricloetyl	S(O)2Me	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1818	2,2,2-tricloetyl	S(O)2Me	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1819	2,2,2-tricloetyl	S(O)2Me	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1820	2,2,2-tricloetyl	S(O)2Me	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1821	2,2,2-tricloetyl	CH2Ph	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1822	2,2,2-tricloetyl	CH2Ph	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1823	2,2,2-tricloetyl	CH2Ph	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1824	2,2,2-tricloetyl	CH2Ph	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1825	2,2,2-tricloetyl	CH2Ph	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1826	2,2,2-tricloetyl	CH2Ph	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1827	2,2,2-tricloetyl	CH2Ph	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 14(5)

Số hợp chất	Q2	R1	R2	X 1	X 2	X 3	X 4	Y1	Y2	Y3	Y4	Y5
14-1828	2,2,2-tricloetyl	CH2Ph	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1829	2,2,2-tricloetyl	CH2Ph	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1830	2,2,2-tricloetyl	CH2Ph	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1831	2,2,2-tricloetyl	CH2Ph	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1832	2,2,2-tricloetyl	CH2Ph	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1833	2,2,2-tricloetyl	CH2Ph	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1834	2,2,2-tricloetyl	CH2Ph	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1835	2,2,2-tricloetyl	CH2(3-Py)	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1836	2,2,2-tricloetyl	CH2(3-Py)	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1837	2,2,2-tricloetyl	CH2(3-Py)	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1838	2,2,2-tricloetyl	CH2(3-Py)	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1839	2,2,2-tricloetyl	CH2(3-Py)	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1840	2,2,2-tricloetyl	CH2(3-Py)	CH2C≡CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1841	2,2,2-tricloetyl	CH2(3-Py)	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1842	2,2,2-tricloetyl	CH2(3-Py)	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1843	2,2,2-tricloetyl	CH2(3-Py)	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

14-1844	2,2,2-tricloetyl	CH2(3-Py)	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1845	2,2,2-tricloetyl	CH2(3-Py)	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1846	2,2,2-tricloetyl	CH2(3-Py)	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1847	2,2,2-tricloetyl	CH2(3-Py)	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1848	2,2,2-tricloetyl	CH2(3-Py)	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1849	2,2,2-tricloetyl	CH2(3-Py-N-oxit)	Et	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1850	2,2,2-tricloetyl	CH2(3-Py-N-oxit)	n-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1851	2,2,2-tricloetyl	CH2(3-Py-N-oxit)	i-Pr	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1852	2,2,2-tricloetyl	CH2(3-Py-N-oxit)	CH2CH = CH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1853	2,2,2-tricloetyl	CH2(3-Py-N-oxit)	CN	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1854	2,2,2-tricloetyl	CH2(3-Py-N-oxit)	CH2C≡ CH	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1855	2,2,2-tricloetyl	CH2(3-Py-N-oxit)	NH2	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1856	2,2,2-tricloetyl	CH2(3-Py-N-oxit)	C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1857	2,2,2-tricloetyl	CH2(3-Py-N-oxit)	C(O)C(O)OMe	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1858	2,2,2-tricloetyl	CH2(3-Py-N-oxit)	C(O)Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1859	2,2,2-tricloetyl	CH2(3-Py-N-oxit)	S(O)2Me	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1860	2,2,2-tricloetyl	CH2(3-Py-N-oxit)	CH2Ph	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1861	2,2,2-tricloetyl	CH2(3-Py-N-oxit)	CH2(3-Py)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3

14-1862	2,2,2-tricloetyl	CH2(3-Py-N-oxit)	CH2(3-Py-N-oxit)	F	H	H	H	I	H	nonaflo-2-butyl	H	CF3
14-1873	2,2,2-tricloetyl	Me	Me	F	H	H	H	OCF3	H	heptaflo isopropyl	H	OCF3
14-1902	2,2,2-tricloetyl	Me	Me	F	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
14-1931	2,2,2-tricloetyl	Me	Me	F	H	H	H	CF3	H	heptaflo isopropyl	H	OCF3
14-1960	2,2,2-tricloetyl	Me	Me	F	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
14-1989	2,2,2-tricloetyl	Me	Me	F	H	H	H	CF3	H	heptaflo isopropyl	H	CF3
14-2019	2,2,2-tribrometyl	Me	CH2C≡CH	F	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
14-2233	2,2,2-tricloetyl	Me	Me	H	F	H	H	F	H	heptaflo isopropyl	H	F
14-2234	2,2,2-tricloetyl	Me	Me	H	F	H	H	F	H	nonaflo-2-butyl	H	F
14-2245	2,2,2-tricloetyl	Me	Me	H	F	H	H	Cl	H	heptaflo isopropyl	H	Cl
14-2274	2,2,2-tricloetyl	Me	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
14-2303	2,2,2-tricloetyl	Me	Me	H	F	H	H	Br	H	heptaflo isopropyl	H	Br
14-2332	2,2,2-tricloetyl	Me	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	Br
14-2361	2,2,2-tricloetyl	Me	Me	H	F	H	H	I	H	heptaflo isopropyl	H	I
14-2390	2,2,2-tricloetyl	Me	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	I
13-1236	2,2,2-tricloetyl	Me	Me	H	F	H	H	Cl	H	heptaflo isopropyl	H	Br
14-2605	2,2,2-tricloetyl	Me	Me	H	F	H	H	F	H	heptaflo isopropyl	H	OCF3
14-2606	2,2,2-tricloetyl	Me	Me	H	F	H	H	F	H	nonaflo-2-butyl	H	OCF3

14-2617	2,2,2-tricloetyl	Me	Me	H	F	H	H	Cl	H	heptaflo isopropyl	H	OCF3
14-2646	2,2,2-tricloetyl	Me	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
14-2675	2,2,2-tricloetyl	Me	Me	H	F	H	H	Br	H	heptaflo isopropyl	H	OCF3
14-2704	2,2,2-tricloetyl	Me	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
14-2733	2,2,2-tricloetyl	Me	Me	H	F	H	H	I	H	heptaflo isopropyl	H	OCF3
14-2762	2,2,2-tricloetyl	Me	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
14-2977	2,2,2-tricloetyl	Me	Me	H	F	H	H	F	H	heptaflo isopropyl	H	CF3

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Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
14-2978	2,2,2-tricloetyl	Me	Me	H	F	H	H	F	H	nonaflo-2-butyl	H	CF3
14-2989	2,2,2-tricloetyl	Me	Me	H	F	H	H	Cl	H	heptafloisopropyl	H	CF3
14-3018	2,2,2-tricloetyl	Me	Me	H	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
14-3047	2,2,2-tricloetyl	Me	Me	H	F	H	H	Br	H	heptafloisopropyl	H	CF3
14-3076	2,2,2-tricloetyl	Me	Me	H	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
14-3105	2,2,2-tricloetyl	Me	Me	H	F	H	H	I	H	heptafloisopropyl	H	CF3
14-3134	2,2,2-tricloetyl	Me	Me	H	F	H	H	I	H	nonaflo-2-butyl	H	CF3
14-3359	2,2,2-tricloetyl	Me	Me	H	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
14-3388	2,2,2-tricloetyl	Me	Me	H	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
14-3417	2,2,2-tricloetyl	Me	Me	H	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
14-3446	2,2,2-tricloetyl	Me	Me	H	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
14-3475	2,2,2-tricloetyl	Me	Me	H	F	H	H	CF3	H	heptafloisopropyl	H	CF3
14-3504	2,2,2-tricloetyl	Me	Me	H	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
14-3719	2,2,2-tricloetyl	Me	Me	F	F	H	H	F	H	heptafloisopropyl	H	F
14-3720	2,2,2-tricloetyl	Me	Me	F	F	H	H	F	H	nonaflo-2-butyl	H	F
14-3731	2,2,2-tricloetyl	Me	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	Cl
14-3760	2,2,2-tricloetyl	Me	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	Cl
14-3789	2,2,2-tricloetyl	Me	Me	F	F	H	H	Br	H	heptafloisopropyl	H	Br
14-3818	2,2,2-tricloetyl	Me	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	Br
14-3847	2,2,2-tricloetyl	Me	Me	F	F	H	H	I	H	heptafloisopropyl	H	I
14-3876	2,2,2-tricloetyl	Me	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	I
13-1950	2,2,2-tricloetyl	Me	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	Br
14-4091	2,2,2-tricloetyl	Me	Me	F	F	H	H	F	H	heptafloisopropyl	H	OCF3
14-4092	2,2,2-tricloetyl	Me	Me	F	F	H	H	F	H	nonaflo-2-butyl	H	OCF3

14-4103	2,2,2-tricloetyl	Me	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	OCF3
14-4132	2,2,2-tricloetyl	Me	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
14-4161	2,2,2-tricloetyl	Me	Me	F	F	H	H	Br	H	heptafloisopropyl	H	OCF3
14-4190	2,2,2-tricloetyl	Me	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	OCF3
14-4219	2,2,2-tricloetyl	Me	Me	F	F	H	H	I	H	heptafloisopropyl	H	OCF3
14-4248	2,2,2-tricloetyl	Me	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	OCF3
14-4463	2,2,2-tricloetyl	Me	Me	F	F	H	H	F	H	heptafloisopropyl	H	CF3
14-4464	2,2,2-tricloetyl	Me	Me	F	F	H	H	F	H	nonaflo-2-butyl	H	CF3
14-4475	2,2,2-tricloetyl	Me	Me	F	F	H	H	Cl	H	heptafloisopropyl	H	CF3
14-4504	2,2,2-tricloetyl	Me	Me	F	F	H	H	Cl	H	nonaflo-2-butyl	H	CF3
14-4533	2,2,2-tricloetyl	Me	Me	F	F	H	H	Br	H	heptafloisopropyl	H	CF3
14-4562	2,2,2-tricloetyl	Me	Me	F	F	H	H	Br	H	nonaflo-2-butyl	H	CF3
14-4591	2,2,2-tricloetyl	Me	Me	F	F	H	H	I	H	heptafloisopropyl	H	CF3
14-4620	2,2,2-tricloetyl	Me	Me	F	F	H	H	I	H	nonaflo-2-butyl	H	CF3
14-4845	2,2,2-tricloetyl	Me	Me	F	F	H	H	OCF3	H	heptafloisopropyl	H	OCF3
14-4874	2,2,2-tricloetyl	Me	Me	F	F	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
14-4903	2,2,2-tricloetyl	Me	Me	F	F	H	H	CF3	H	heptafloisopropyl	H	OCF3
14-4932	2,2,2-tricloetyl	Me	Me	F	F	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
14-4961	2,2,2-tricloetyl	Me	Me	F	F	H	H	CF3	H	heptafloisopropyl	H	CF3
14-4990	2,2,2-tricloetyl	Me	Me	F	F	H	H	CF3	H	nonaflo-2-butyl	H	CF3
14-5205	2,2,2-tricloetyl	Me	Me	F	F	F	H	Cl	H	pentafloetyl	H	Cl
14-5206	2,2,2-tricloetyl	Me	Me	F	F	F	H	Br	H	heptafloisopropyl	H	Br
14-5207	2,2,2-tricloetyl	Me	Me	F	F	F	H	Br	H	heptafloisopropyl	H	OCF3
14-5208	2,2,2-tricloetyl	Me	Me	F	F	F	H	I	H	heptafloisopropyl	H	CF3
14-5209	2,2,2-tricloetyl	Me	Me	F	F	F	H	CF3	H	heptafloisopropyl	H	CF3

14-5210	2,2,2-tricloetyl	Me	Me	F	F	F	H	I	H	nonaflo-2-butyl	H	I
14-5211	2,2,2-tricloetyl	Me	Me	F	F	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
14-5212	2,2,2-tricloetyl	Me	Me	F	F	F	H	Br	H	nonaflo-2-butyl	H	CF3
14-5213	2,2,2-tricloetyl	Me	Me	F	F	F	H	CF3	H	nonaflo-2-butyl	H	CF3
14-5214	2,2,2-tricloetyl	Me	Me	H	H	F	H	Cl	H	pentafloetyl	H	Cl
14-5215	2,2,2-tricloetyl	Me	Me	H	H	F	H	Br	H	heptafloisopropyl	H	Br
14-5216	2,2,2-tricloetyl	Me	Me	H	H	F	H	Br	H	heptafloisopropyl	H	OCF3
14-5217	2,2,2-tricloetyl	Me	Me	H	H	F	H	I	H	heptafloisopropyl	H	CF3
14-5218	2,2,2-tricloetyl	Me	Me	H	H	F	H	CF3	H	heptafloisopropyl	H	CF3
14-5219	2,2,2-tricloetyl	Me	Me	H	H	F	H	I	H	nonaflo-2-butyl	H	I
14-5220	2,2,2-tricloetyl	Me	Me	H	H	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
14-5221	2,2,2-tricloetyl	Me	Me	H	H	F	H	Br	H	nonaflo-2-butyl	H	CF3
14-5222	2,2,2-tricloetyl	Me	Me	H	H	F	H	CF3	H	nonaflo-2-butyl	H	CF3
14-5223	2,2,2-tricloetyl	Me	Me	H	H	H	F	Cl	H	pentafloetyl	H	Cl
14-5224	2,2,2-tricloetyl	Me	Me	H	H	H	F	Br	H	heptafloisopropyl	H	Br
14-5225	2,2,2-tricloetyl	Me	Me	H	H	H	F	Br	H	heptafloisopropyl	H	OCF3
14-5226	2,2,2-tricloetyl	Me	Me	H	H	H	F	I	H	heptafloisopropyl	H	CF3
14-5227	2,2,2-tricloetyl	Me	Me	H	H	H	F	CF3	H	heptafloisopropyl	H	CF3
14-5228	2,2,2-tricloetyl	Me	Me	H	H	H	F	I	H	nonaflo-2-butyl	H	I
14-5229	2,2,2-tricloetyl	Me	Me	H	H	H	F	Cl	H	nonaflo-2-butyl	H	OCF3

Bảng 14(7)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
14-5230	2,2,2-tricloetyl	Me	Me	H	H	H	F	Br	H	nonaflo-2-butyl	H	CF3
14-5231	2,2,2-tricloetyl	Me	Me	H	H	H	F	CF3	H	nonaflo-2-butyl	H	CF3
14-5232	2,2,2-tricloetyl	Me	Me	F	H	F	H	Cl	H	pentafloetyl	H	Cl
14-5233	2,2,2-tricloetyl	Me	Me	F	H	F	H	Br	H	heptafloisopropyl	H	Br
14-5234	2,2,2-tricloetyl	Me	Me	F	H	F	H	Br	H	heptafloisopropyl	H	OCF3
14-5235	2,2,2-tricloetyl	Me	Me	F	H	F	H	I	H	heptafloisopropyl	H	CF3
14-5236	2,2,2-tricloetyl	Me	Me	F	H	F	H	CF3	H	heptafloisopropyl	H	CF3
14-5237	2,2,2-tricloetyl	Me	Me	F	H	F	H	I	H	nonaflo-2-butyl	H	I
14-5238	2,2,2-tricloetyl	Me	Me	F	H	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
14-5239	2,2,2-tricloetyl	Me	Me	F	H	F	H	Br	H	nonaflo-2-butyl	H	CF3
14-5240	2,2,2-tricloetyl	Me	Me	F	H	F	H	CF3	H	nonaflo-2-butyl	H	CF3
14-5241	2,2,2-tricloetyl	Me	Me	F	H	H	F	Cl	H	pentafloetyl	H	Cl
14-5242	2,2,2-tricloetyl	Me	Me	F	H	H	F	Br	H	heptafloisopropyl	H	Br
14-5243	2,2,2-tricloetyl	Me	Me	F	H	H	F	Br	H	heptafloisopropyl	H	OCF3
14-5244	2,2,2-tricloetyl	Me	Me	F	H	H	F	I	H	heptafloisopropyl	H	CF3
14-5245	2,2,2-tricloetyl	Me	Me	F	H	H	F	CF3	H	heptafloisopropyl	H	CF3
14-5246	2,2,2-tricloetyl	Me	Me	F	H	H	F	I	H	nonaflo-2-butyl	H	I
14-5247	2,2,2-tricloetyl	Me	Me	F	H	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
14-5248	2,2,2-tricloetyl	Me	Me	F	H	H	F	Br	H	nonaflo-2-butyl	H	CF3
14-5249	2,2,2-tricloetyl	Me	Me	F	H	H	F	CF3	H	nonaflo-2-butyl	H	CF3
14-5250	2,2,2-tricloetyl	Me	Me	H	F	F	H	Cl	H	pentafloetyl	H	Cl
14-5251	2,2,2-tricloetyl	Me	Me	H	F	F	H	Br	H	heptafloisopropyl	H	Br
14-5252	2,2,2-tricloetyl	Me	Me	H	F	F	H	Br	H	heptafloisopropyl	H	OCF3
14-5253	2,2,2-tricloetyl	Me	Me	H	F	F	H	I	H	heptafloisopropyl	H	CF3

14-5254	2,2,2-tricloetyl	Me	Me	H	F	F	H	CF3	H	heptafloisopropyl	H	CF3
14-5255	2,2,2-tricloetyl	Me	Me	H	F	F	H	I	H	nonaflo-2-butyl	H	I
14-5256	2,2,2-tricloetyl	Me	Me	H	F	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
14-5257	2,2,2-tricloetyl	Me	Me	H	F	F	H	Br	H	nonaflo-2-butyl	H	CF3
14-5258	2,2,2-tricloetyl	Me	Me	H	F	F	H	CF3	H	nonaflo-2-butyl	H	CF3
14-5259	2,2,2-tricloetyl	Me	Me	H	F	H	F	Cl	H	pentafloetyl	H	Cl
14-5260	2,2,2-tricloetyl	Me	Me	H	F	H	F	Br	H	heptafloisopropyl	H	Br
14-5261	2,2,2-tricloetyl	Me	Me	H	F	H	F	Br	H	heptafloisopropyl	H	OCF3
14-5262	2,2,2-tricloetyl	Me	Me	H	F	H	F	I	H	heptafloisopropyl	H	CF3
14-5263	2,2,2-tricloetyl	Me	Me	H	F	H	F	CF3	H	heptafloisopropyl	H	CF3
14-5264	2,2,2-tricloetyl	Me	Me	H	F	H	F	I	H	nonaflo-2-butyl	H	I
14-5265	2,2,2-tricloetyl	Me	Me	H	F	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
14-5266	2,2,2-tricloetyl	Me	Me	H	F	H	F	Br	H	nonaflo-2-butyl	H	CF3
14-5267	2,2,2-tricloetyl	Me	Me	H	F	H	F	CF3	H	nonaflo-2-butyl	H	CF3
14-5268	2,2,2-tricloetyl	Me	Me	H	H	F	F	Cl	H	pentafloetyl	H	Cl
14-5269	2,2,2-tricloetyl	Me	Me	H	H	F	F	Br	H	heptafloisopropyl	H	Br
14-5270	2,2,2-tricloetyl	Me	Me	H	H	F	F	Br	H	heptafloisopropyl	H	OCF3
14-5271	2,2,2-tricloetyl	Me	Me	H	H	F	F	I	H	heptafloisopropyl	H	CF3
14-5272	2,2,2-tricloetyl	Me	Me	H	H	F	F	CF3	H	heptafloisopropyl	H	CF3
14-5273	2,2,2-tricloetyl	Me	Me	H	H	F	F	I	H	nonaflo-2-butyl	H	I
14-5274	2,2,2-tricloetyl	Me	Me	H	H	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
14-5275	2,2,2-tricloetyl	Me	Me	H	H	F	F	Br	H	nonaflo-2-butyl	H	CF3
14-5276	2,2,2-tricloetyl	Me	Me	H	H	F	F	CF3	H	nonaflo-2-butyl	H	CF3
14-5277	2,2,2-tricloetyl	Me	Me	F	F	H	F	Cl	H	pentafloetyl	H	Cl
14-5278	2,2,2-tricloetyl	Me	Me	F	F	H	F	Br	H	heptafloisopropyl	H	Br

14-5279	2,2,2-tricloetyl	Me	Me	F	F	H	F	Br	H	heptafloisopropyl	H	OCF3
14-5280	2,2,2-tricloetyl	Me	Me	F	F	H	F	I	H	heptafloisopropyl	H	CF3
14-5281	2,2,2-tricloetyl	Me	Me	F	F	H	F	CF3	H	heptafloisopropyl	H	CF3
14-5282	2,2,2-tricloetyl	Me	Me	F	F	H	F	I	H	nonaflo-2-butyl	H	I
14-5283	2,2,2-tricloetyl	Me	Me	F	F	H	F	Cl	H	nonaflo-2-butyl	H	OCF3
14-5284	2,2,2-tricloetyl	Me	Me	F	F	H	F	Br	H	nonaflo-2-butyl	H	CF3
14-5285	2,2,2-tricloetyl	Me	Me	F	F	H	F	CF3	H	nonaflo-2-butyl	H	CF3
14-5286	2,2,2-tricloetyl	Me	Me	F	H	F	F	Cl	H	pentafloetyl	H	Cl
14-5287	2,2,2-tricloetyl	Me	Me	F	H	F	F	Br	H	heptafloisopropyl	H	Br
14-5288	2,2,2-tricloetyl	Me	Me	F	H	F	F	Br	H	heptafloisopropyl	H	OCF3
14-5289	2,2,2-tricloetyl	Me	Me	F	H	F	F	I	H	heptafloisopropyl	H	CF3
14-5290	2,2,2-tricloetyl	Me	Me	F	H	F	F	CF3	H	heptafloisopropyl	H	CF3
14-5291	2,2,2-tricloetyl	Me	Me	F	H	F	F	I	H	nonaflo-2-butyl	H	I
14-5292	2,2,2-tricloetyl	Me	Me	F	H	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
14-5293	2,2,2-tricloetyl	Me	Me	F	H	F	F	Br	H	nonaflo-2-butyl	H	CF3

Bảng 14(8)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
14-5294	2,2,2-tricloetyl	Me	Me	F	H	F	F	CF3	H	nonaflo-2-butyl	H	CF3
14-5295	2,2,2-tricloetyl	Me	Me	H	F	F	F	Cl	H	pentafloetyl	H	Cl
14-5296	2,2,2-tricloetyl	Me	Me	H	F	F	F	Br	H	heptafloisopropyl	H	Br
14-5297	2,2,2-tricloetyl	Me	Me	H	F	F	F	Br	H	heptafloisopropyl	H	OCF3
14-5298	2,2,2-tricloetyl	Me	Me	H	F	F	F	I	H	heptafloisopropyl	H	CF3
14-5299	2,2,2-tricloetyl	Me	Me	H	F	F	F	CF3	H	heptafloisopropyl	H	CF3
14-5300	2,2,2-tricloetyl	Me	Me	H	F	F	F	I	H	nonaflo-2-butyl	H	I
14-5301	2,2,2-tricloetyl	Me	Me	H	F	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
14-5302	2,2,2-tricloetyl	Me	Me	H	F	F	F	Br	H	nonaflo-2-butyl	H	CF3
14-5303	2,2,2-tricloetyl	Me	Me	H	F	F	F	CF3	H	nonaflo-2-butyl	H	CF3
14-5304	2,2,2-tricloetyl	Me	Me	F	F	F	F	Cl	H	pentafloetyl	H	Cl
14-5305	2,2,2-tricloetyl	Me	Me	F	F	F	F	Br	H	heptafloisopropyl	H	Br
14-5306	2,2,2-tricloetyl	Me	Me	F	F	F	F	Br	H	heptafloisopropyl	H	OCF3
14-5307	2,2,2-tricloetyl	Me	Me	F	F	F	F	I	H	heptafloisopropyl	H	CF3
14-5308	2,2,2-tricloetyl	Me	Me	F	F	F	F	CF3	H	heptafloisopropyl	H	CF3
14-5309	2,2,2-tricloetyl	Me	Me	F	F	F	F	I	H	nonaflo-2-butyl	H	I
14-5310	2,2,2-tricloetyl	Me	Me	F	F	F	F	Cl	H	nonaflo-2-butyl	H	OCF3
14-5311	2,2,2-tricloetyl	Me	Me	F	F	F	F	Br	H	nonaflo-2-butyl	H	CF3
14-5312	2,2,2-tricloetyl	Me	Me	F	F	F	F	CF3	H	nonaflo-2-butyl	H	CF3
14-5313	2,2,2-tricloetyl	Me	Me	H	CN	H	H	F	H	heptafloisopropyl	H	OCF3
14-5314	2,2,2-tricloetyl	Me	Me	H	CN	H	H	F	H	nonaflo-2-butyl	H	OCF3
14-5325	2,2,2-tricloetyl	Me	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
14-5354	2,2,2-tricloetyl	Me	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
14-5383	2,2,2-tricloetyl	Me	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	OCF3

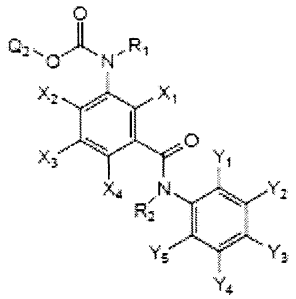
14-5412	2,2,2-tricloetyl	Me	Me	H	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
14-5441	2,2,2-tricloetyl	Me	Me	H	CN	H	H	I	H	heptafloisopropyl	H	OCF3
14-5470	2,2,2-tricloetyl	Me	Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
14-5685	2,2,2-tricloetyl	Me	Me	H	CN	H	H	F	H	heptafloisopropyl	H	CF3
14-5686	2,2,2-tricloetyl	Me	Me	H	CN	H	H	F	H	nonaflo-2-butyl	H	CF3
14-5697	2,2,2-tricloetyl	Me	Me	H	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
14-5726	2,2,2-tricloetyl	Me	Me	H	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
14-5755	2,2,2-tricloetyl	Me	Me	H	CN	H	H	Br	H	heptafloisopropyl	H	CF3
14-5784	2,2,2-tricloetyl	Me	Me	H	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
14-5813	2,2,2-tricloetyl	Me	Me	H	CN	H	H	I	H	heptafloisopropyl	H	CF3
14-5842	2,2,2-tricloetyl	Me	Me	H	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
14-6067	2,2,2-tricloetyl	Me	Me	H	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
14-6096	2,2,2-tricloetyl	Me	Me	H	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
14-6125	2,2,2-tricloetyl	Me	Me	H	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
14-6154	2,2,2-tricloetyl	Me	Me	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
14-6183	2,2,2-tricloetyl	Me	Me	H	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
14-6212	2,2,2-tricloetyl	Me	Me	H	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
14-6427	2,2,2-tricloetyl	Me	Me	F	CN	H	H	F	H	heptafloisopropyl	H	F
14-6428	2,2,2-tricloetyl	Me	Me	F	CN	H	H	F	H	nonaflo-2-butyl	H	F
14-6439	2,2,2-tricloetyl	Me	Me	F	CN	H	H	Cl	H	heptafloisopropyl	H	Cl
14-6468	2,2,2-tricloetyl	Me	Me	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	Cl
14-6497	2,2,2-tricloetyl	Me	Me	F	CN	H	H	Br	H	heptafloisopropyl	H	Br
14-6526	2,2,2-tricloetyl	Me	Me	F	CN	H	H	Br	H	nonaflo-2-butyl	H	Br
14-6555	2,2,2-tricloetyl	Me	Me	F	CN	H	H	I	H	heptafloisopropyl	H	I
14-6584	2,2,2-tricloetyl	Me	Me	F	CN	H	H	I	H	nonaflo-2-butyl	H	I
13-3306	2,2,2-tricloetyl	Me	Me	F	CN	H	H	Br	H	nonaflo-2-butyl	H	I

14-6799	2,2,2-tricloetyl	Me	Me	F	CN	H	H	F	H	heptafloisopropyl	H	OCF3
14-6800	2,2,2-tricloetyl	Me	Me	F	CN	H	H	F	H	nonaflo-2-butyl	H	OCF3
14-6811	2,2,2-tricloetyl	Me	Me	F	CN	H	H	Cl	H	heptafloisopropyl	H	OCF3
14-6840	2,2,2-tricloetyl	Me	Me	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
14-6869	2,2,2-tricloetyl	Me	Me	F	CN	H	H	Br	H	heptafloisopropyl	H	OCF3
14-6898	2,2,2-tricloetyl	Me	Me	F	CN	H	H	Br	H	nonaflo-2-butyl	H	OCF3
14-6927	2,2,2-tricloetyl	Me	Me	F	CN	H	H	I	H	heptafloisopropyl	H	OCF3
14-6956	2,2,2-tricloetyl	Me	Me	F	CN	H	H	I	H	nonaflo-2-butyl	H	OCF3
14-7171	2,2,2-tricloetyl	Me	Me	F	CN	H	H	F	H	heptafloisopropyl	H	CF3
14-7172	2,2,2-tricloetyl	Me	Me	F	CN	H	H	F	H	nonaflo-2-butyl	H	CF3
14-7183	2,2,2-tricloetyl	Me	Me	F	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
14-7212	2,2,2-tricloetyl	Me	Me	F	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
14-7241	2,2,2-tricloetyl	Me	Me	F	CN	H	H	Br	H	heptafloisopropyl	H	CF3
14-7270	2,2,2-tricloetyl	Me	Me	F	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3

Bảng 14(9)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
14-7299	2,2,2-tricloetyl	Me	Me	F	CN	H	H	I	H	heptafloisopropyl	H	CF3
14-7328	2,2,2-tricloetyl	Me	Me	F	CN	H	H	I	H	nonaflo-2-butyl	H	CF3
14-7553	2,2,2-tricloetyl	Me	Me	F	CN	H	H	OCF3	H	heptafloisopropyl	H	OCF3
14-7582	2,2,2-tricloetyl	Me	Me	F	CN	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
14-7611	2,2,2-tricloetyl	Me	Me	F	CN	H	H	CF3	H	heptafloisopropyl	H	OCF3
14-7640	2,2,2-tricloetyl	Me	Me	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
14-7669	2,2,2-tricloetyl	Me	Me	F	CN	H	H	CF3	H	heptafloisopropyl	H	CF3
14-7698	2,2,2-tricloetyl	Me	Me	F	CN	H	H	CF3	H	nonaflo-2-butyl	H	CF3
14-7913	2,2,2-tricloetyl	Me	Me	F	CN	F	H	F	H	heptafloisopropyl	H	F
14-7914	2,2,2-tricloetyl	Me	Me	F	CN	F	H	F	H	nonaflo-2-butyl	H	F
14-7925	2,2,2-tricloetyl	Me	Me	F	CN	F	H	Cl	H	heptafloisopropyl	H	Cl
14-7954	2,2,2-tricloetyl	Me	Me	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	Cl
14-7983	2,2,2-tricloetyl	Me	Me	F	CN	F	H	Br	H	heptafloisopropyl	H	Br
14-8012	2,2,2-tricloetyl	Me	Me	F	CN	F	H	Br	H	nonaflo-2-butyl	H	Br
14-8041	2,2,2-tricloetyl	Me	Me	F	CN	F	H	I	H	heptafloisopropyl	H	I
14-8070	2,2,2-tricloetyl	Me	Me	F	CN	F	H	I	H	nonaflo-2-butyl	H	I
13-4012	2,2,2-tricloetyl	Me	Me	F	CN	F	H	Cl	H	heptafloisopropyl	H	Br
14-8285	2,2,2-tricloetyl	Me	Me	F	CN	F	H	F	H	heptafloisopropyl	H	OCF3
14-8286	2,2,2-tricloetyl	Me	Me	F	CN	F	H	F	H	nonaflo-2-butyl	H	OCF3
14-8297	2,2,2-tricloetyl	Me	Me	F	CN	F	H	Cl	H	heptafloisopropyl	H	OCF3
14-8326	2,2,2-tricloetyl	Me	Me	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	OCF3
14-8355	2,2,2-tricloetyl	Me	Me	F	CN	F	H	Br	H	heptafloisopropyl	H	OCF3
14-8384	2,2,2-tricloetyl	Me	Me	F	CN	F	H	Br	H	nonaflo-2-butyl	H	OCF3
14-8413	2,2,2-tricloetyl	Me	Me	F	CN	F	H	I	H	heptafloisopropyl	H	OCF3

14-8442	2,2,2-tricloetyl	Me	Me	F	CN	F	H	I	H	nonaflo-2-butyl	H	OCF3
14-8657	2,2,2-tricloetyl	Me	Me	F	CN	F	H	F	H	heptafloisopropyl	H	CF3
14-8658	2,2,2-tricloetyl	Me	Me	F	CN	F	H	F	H	nonaflo-2-butyl	H	CF3
14-8669	2,2,2-tricloetyl	Me	Me	F	CN	F	H	Cl	H	heptafloisopropyl	H	CF3
14-8698	2,2,2-tricloetyl	Me	Me	F	CN	F	H	Cl	H	nonaflo-2-butyl	H	CF3
14-8727	2,2,2-tricloetyl	Me	Me	F	CN	F	H	Br	H	heptafloisopropyl	H	CF3
14-8756	2,2,2-tricloetyl	Me	Me	F	CN	F	H	Br	H	nonaflo-2-butyl	H	CF3
14-8785	2,2,2-tricloetyl	Me	Me	F	CN	F	H	I	H	heptafloisopropyl	H	CF3
14-8814	2,2,2-tricloetyl	Me	Me	F	CN	F	H	I	H	nonaflo-2-butyl	H	CF3
14-9039	2,2,2-tricloetyl	Me	Me	F	CN	F	H	OCF3	H	heptafloisopropyl	H	OCF3
14-9068	2,2,2-tricloetyl	Me	Me	F	CN	F	H	OCF3	H	nonaflo-2-butyl	H	OCF3
14-9097	2,2,2-tricloetyl	Me	Me	F	CN	F	H	CF3	H	heptafloisopropyl	H	OCF3
14-9126	2,2,2-tricloetyl	Me	Me	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	OCF3
14-9155	2,2,2-tricloetyl	Me	Me	F	CN	F	H	CF3	H	heptafloisopropyl	H	CF3
14-9184	2,2,2-tricloetyl	Me	Me	F	CN	F	H	CF3	H	nonaflo-2-butyl	H	CF3



Bảng 15(1)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
15-9	2,2-dicloetyl	H	Et	H	H	H	H	Cl	F	heptafloisopropyl	F	OCF3
15-39	2,2,2-trifloetyl	H	H	H	H	H	H	Cl	Me	nonaflo-2-butyl	Me	OCF3
15-144	metyl	H	H	H	H	H	H	Cl	F	heptafloisopropyl	H	CF3
15-147	2-cloetyl	Me	Me	H	H	H	H	Cl	H	heptafloisopropyl	Cl	CF3
15-148	2-brometyl	H	H	H	H	H	H	F	Br	heptafloisopropyl	H	CF3
15-153	2,2,2-trifloetyl	H	H	H	H	H	H	Cl	F	heptafloisopropyl	Cl	CF3
15-165	3,3,3-triflo-n-propyl	H	H	H	H	H	H	Cl	I	nonaflo-2-butyl	Cl	CF3
15-168	i-butyl	H	H	H	H	H	H	Cl	Me	nonaflo-2-butyl	H	CF3
15-169	s-butyl	H	H	H	H	H	H	Cl	H	nonaflo-2-butyl	Me	CF3
15-170	vinyl	i-Pr	H	H	H	H	H	Cl	Et	nonaflo-2-butyl	H	CF3
15-171	benzyl	H	H	H	H	H	H	Cl	H	nonaflo-2-butyl	Et	CF3
15-182	2,2,2-trifloetyl	H	H	H	H	H	H	Cl	Me	nonaflo-2-butyl	Me	n-C3F7
15-183	2,2,2-tricloetyl	H	H	H	H	H	H	Cl	Me	nonaflo-2-butyl	Et	i-C3F7
15-189	i-propyl	H	H	H	H	H	H	Cl	Et	nonaflo-2-butyl	Me	n-C3F7
15-190	1,2-diflo-2-propyl	H	H	H	H	H	H	Cl	Et	nonaflo-2-butyl	Et	i-C3F7
15-196	2-cloetyl	H	H	H	H	H	H	Br	n-Pr	heptafloisopropyl	Me	CF3
15-197	2-brometyl	H	H	H	H	H	H	Br	n-Pr	heptafloisopropyl	Et	CF3
15-203	2,2,2-tricloetyl	H	H	H	H	H	H	Br	i-Pr	heptafloisopropyl	Me	CF3
15-204	2,2,2-tribrometyl	H	H	H	H	H	H	Br	i-Pr	heptafloisopropyl	Et	CF3

15-210	1,2-diflo-2-propyl	H	H	H	H	H	H	Br	n-Bu	heptafloisopropyl	Me	CF3
15-211	1,3-diflo-2-propyl	H	H	H	H	H	H	Br	n-Bu	heptafloisopropyl	Et	CF3
15-217	i-butyl	H	H	H	H	H	H	Br	i-Bu	nonaflo-2-butyl	Me	CF3
15-218	s-butyl	H	H	H	H	H	H	Br	i-Bu	nonaflo-2-butyl	Et	CF3
15-224	2-floetyl	H	H	H	H	H	H	Br	s-Bu	nonaflo-2-butyl	Me	CF3
15-225	2-cloetyl	H	H	H	H	H	H	Br	s-Bu	nonaflo-2-butyl	Et	CF3
15-231	2,2,2-trifloetyl	H	H	H	H	H	H	Br	F	nonaflo-2-butyl	Me	CF3
15-232	2,2,2-tricloetyl	H	H	H	H	H	H	Br	F	nonaflo-2-butyl	Et	CF3
15-238	i-propyl	Et	i-Pr	H	H	H	H	Br	Cl	nonaflo-2-butyl	Me	CF3
15-239	1,2-diflo-2-propyl	H	H	H	H	H	H	Br	Cl	nonaflo-2-butyl	Et	CF3
15-245	2-iodoetyl	H	H	H	H	H	H	I	Br	heptafloisopropyl	Me	CF3
15-246	2-xyanoetyl	H	H	H	H	H	H	I	Br	heptafloisopropyl	Et	CF3
15-252	n-propyl	n-Pr	Me	H	H	H	H	I	I	heptafloisopropyl	Me	CF3
15-253	3-flo-n-propyl	H	H	H	H	H	H	I	I	heptafloisopropyl	Et	CF3
15-259	1,3-diclo-2-propyl	H	H	H	H	H	H	I	Me	heptafloisopropyl	F	C2F5
15-260	1-clo-3-flo-2-propyl	H	H	H	H	H	H	I	Me	nonaflo-2-butyl	Cl	CF3
15-263	4,4,4-triflo-n-butyl	H	H	H	H	H	H	I	Et	nonaflo-2-butyl	F	CF3
15-264	i-butyl	H	H	H	H	H	H	I	Et	nonaflo-2-butyl	Cl	CF3
15-267	benzyl	H	H	H	H	H	H	I	n-Pr	nonaflo-2-butyl	F	CF3
15-268	phenyl	H	H	H	H	H	H	I	n-Pr	nonaflo-2-butyl	Cl	CF3
15-271	2-floetyl	H	H	H	H	H	H	I	i-Pr	nonaflo-2-butyl	F	i-C3F7
15-272	2-cloetyl	H	H	H	H	H	H	I	i-Pr	nonaflo-2-butyl	Cl	CF3
15-275	2-xyanoetyl	H	H	H	H	H	H	I	n-Bu	nonaflo-2-butyl	F	CF3
15-276	2,2-difloetyl	H	H	H	H	H	H	I	n-Bu	nonaflo-2-butyl	Cl	CF3
15-279	2,2,2-tricloetyl	H	H	H	H	H	H	I	i-Bu	nonaflo-2-butyl	F	CF3
15-280	2,2,2-tribrometyl	H	H	H	H	H	H	I	i-Bu	nonaflo-2-butyl	Cl	CF3

15-283	3-clo-n-propyl	i-Pr	n-Pr	H	H	H	H	I	s-Bu	nonaflo-2-butyl	F	CF3
15-284	3-brom-n-propyl	H	H	H	H	H	H	I	s-Bu	nonaflo-2-butyl	Cl	CF3
15-295	2,2-đicloetyl	H	Et	H	H	H	H	OCF3	F	heptafloisopropyl	F	OCF3
15-325	2,2,2-trifloetyl	H	H	H	H	H	H	OCF3	Me	nonaflo-2-butyl	Me	OCF3
15-438	2,2-đicloetyl	H	Et	H	H	H	H	OCF3	F	heptafloisopropyl	F	CF3
15-468	2,2,2-trifloetyl	H	H	H	H	H	H	OCF3	Me	nonaflo-2-butyl	Me	CF3
15-581	2,2-đicloetyl	H	Et	H	H	H	H	CF3	F	heptafloisopropyl	F	CF3
15-611	2,2,2-trifloetyl	H	H	H	H	H	H	CF3	Me	nonaflo-2-butyl	Me	CF3
15-734	2,2-đicloetyl	H	Et	F	H	H	H	Cl	F	heptafloisopropyl	F	OCF3
15-764	2,2,2-trifloetyl	H	H	F	H	H	H	Cl	Me	nonaflo-2-butyl	Me	OCF3

Bảng 15(2)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
15-869	metyl	H	H	F	H	H	H	Cl	F	heptafloisopropyl	H	CF3
15-870	etyl	Me	H	F	H	H	H	Cl	H	heptafloisopropyl	F	CF3
15-871	2-floetyl	H	Me	F	H	H	H	Cl	Cl	heptafloisopropyl	H	CF3
15-872	2-cloetyl	Me	Me	F	H	H	H	Cl	H	heptafloisopropyl	Cl	CF3
15-873	2-brometyl	H	H	F	H	H	H	F	Br	heptafloisopropyl	H	CF3
15-874	2-iođoetyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	Br	CF3
15-875	2-xyanoetyl	Et	H	F	H	H	H	Cl	I	heptafloisopropyl	H	C2F5
15-876	2,2-đifloetyl	H	H	F	H	H	H	Cl	H	heptafloisopropyl	I	CF3
15-877	2,2-đicloetyl	H	Et	F	H	H	H	Cl	F	heptafloisopropyl	F	CF3
15-878	2,2,2-trifloetyl	H	H	F	H	H	H	Cl	F	heptafloisopropyl	Cl	CF3
15-879	2,2,2-tricloetyl	H	H	F	H	H	H	Cl	F	heptafloisopropyl	Br	CF3
15-880	2,2,2-tribrometyl	Et	Et	F	H	H	H	Cl	F	pentafloetyl	I	C2F5
15-881	n-propyl	H	H	F	H	H	H	Cl	Cl	pentafloetyl	F	CF3
15-882	3-flo-n-propyl	H	H	F	H	H	H	Cl	Cl	heptafloisopropyl	Cl	CF3
15-883	3-clo-n-propyl	n-Pr	H	F	H	H	H	Cl	Cl	heptafloisopropyl	Br	CF3
15-884	3-brom-n-propyl	H	H	F	H	H	H	Cl	Cl	heptafloisopropyl	I	n-C3F7
15-885	i-propyl	H	n-Pr	F	H	H	H	Cl	Br	heptafloisopropyl	F	CF3
15-886	1,2-điflo-2-propyl	H	H	F	H	H	H	Cl	Br	heptafloisopropyl	Cl	CF3
15-887	1,3-điflo-2-propyl	H	H	F	H	H	H	Cl	Br	heptafloisopropyl	Br	CF3
15-888	1,3-điclo-2-propyl	n-Pr	n-Pr	F	H	H	H	Cl	Br	pentafloetyl	I	CF3
15-889	1-clo-3-flo-2-propyl	H	H	F	H	H	H	F	I	nonaflo-2-butyl	F	CF3
15-890	3,3,3-triflo-n-propyl	H	H	F	H	H	H	Cl	I	nonaflo-2-butyl	Cl	CF3
15-891	n-butyl	H	H	F	H	H	H	Cl	I	nonaflo-2-butyl	Br	CF3
15-892	4,4,4-triflo-n-butyl	H	H	F	H	H	H	Cl	I	nonaflo-2-butyl	I	CF3

15-893	i-butyl	H	H	F	H	H	H	Cl	Me	nonaflo-2-butyl	H	CF3
15-894	s-butyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	Me	CF3
15-895	vinyl	i-Pr	H	F	H	H	H	Cl	Et	nonaflo-2-butyl	H	CF3
15-896	benzyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	Et	CF3
15-897	phenyl	H	H	F	H	H	H	Cl	n-Pr	nonaflo-2-butyl	H	CF3
15-898	metyl	H	i-Pr	F	H	H	H	Cl	H	nonaflo-2-butyl	n-Pr	CF3
15-899	etyl	i-Pr	i-Pr	F	H	H	H	Cl	i-Pr	nonaflo-2-butyl	H	CF3
15-900	2-floetyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	i-Pr	CF3
15-901	2-cloetyl	H	H	F	H	H	H	Cl	n-Bu	nonaflo-2-butyl	H	CF3
15-902	2-brometyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	n-Bu	CF3
15-903	2-iođoetyl	H	H	F	H	H	H	Cl	i-Bu	nonaflo-2-butyl	H	CF3
15-904	2-xyanoetyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	i-Bu	CF3
15-905	2,2-đifloetyl	H	H	F	H	H	H	Cl	s-Bu	nonaflo-2-butyl	H	C2F5
15-906	2,2-đicloetyl	H	H	F	H	H	H	Cl	H	nonaflo-2-butyl	s-Bu	CF3
15-907	2,2,2-trifloetyl	H	H	F	H	H	H	Cl	Me	nonaflo-2-butyl	Me	n-C3F7
15-908	2,2,2-tricloetyl	H	H	F	H	H	H	Cl	Me	nonaflo-2-butyl	Et	i-C3F7
15-909	2,2,2-tribrometyl	C(O)Me	H	F	H	H	H	Cl	Me	nonaflo-2-butyl	n-Pr	CF3
15-910	n-propyl	H	H	F	H	H	H	Cl	Me	nonaflo-2-butyl	i-Pr	CF3
15-911	3-flo-n-propyl	H	H	F	H	H	H	Cl	Me	nonaflo-2-butyl	n-Bu	CF3
15-912	3-clo-n-propyl	H	H	F	H	H	H	Cl	Me	nonaflo-2-butyl	i-Bu	CF3
15-913	3-brom-n-propyl	H	C(O)Me	F	H	H	H	Cl	Me	nonaflo-2-butyl	s-Bu	CF3
15-914	i-propyl	H	H	F	H	H	H	Cl	Et	nonaflo-2-butyl	Me	n-C3F7
15-915	1,2-điflo-2-propyl	H	H	F	H	H	H	Cl	Et	nonaflo-2-butyl	Et	i-C3F7
15-916	1,3-điflo-2-propyl	C(O)Me	C(O)Me	F	H	H	H	Cl	Et	nonaflo-2-butyl	n-Pr	CF3
15-917	1,3-điclo-2-propyl	H	H	F	H	H	H	Cl	Et	nonaflo-2-butyl	i-Pr	CF3
15-918	metyl	H	H	F	H	H	H	Br	Et	heptafloisopropyl	n-Bu	CF3
15-919	etyl	H	H	F	H	H	H	Br	Et	heptafloisopropyl	i-Bu	CF3
15-920	2-floetyl	H	H	F	H	H	H	Br	Et	heptafloisopropyl	s-Bu	CF3
15-921	2-cloetyl	H	H	F	H	H	H	Br	n-Pr	heptafloisopropyl	Me	CF3

15-922	2-brometyl	H	H	F	H	H	H	Br	n-Pr	heptafloisopropyl	Et	CF3
15-923	2-ioðoetyl	Me	Et	F	H	H	H	Br	n-Pr	pentafloetyl	n-Pr	CF3
15-924	2-xyanoetyl	H	H	F	H	H	H	Br	n-Pr	heptafloisopropyl	i-Pr	CF3
15-925	2,2-difloetyl	H	H	F	H	H	H	Br	n-Pr	pentafloetyl	n-Bu	CF3
15-926	2,2-dicloetyl	H	H	F	H	H	H	Br	n-Pr	heptafloisopropyl	i-Bu	CF3
15-927	2,2,2-trifloetyl	H	H	F	H	H	H	Br	n-Pr	heptafloisopropyl	s-Bu	CF3
15-928	2,2,2-tricloetyl	H	H	F	H	H	H	Br	i-Pr	heptafloisopropyl	Me	CF3
15-929	2,2,2-tribrometyl	H	H	F	H	H	H	Br	i-Pr	heptafloisopropyl	Et	CF3
15-930	n-propyl	Me	n-Pr	F	H	H	H	Br	i-Pr	heptafloisopropyl	n-Pr	CF3
15-931	3-flo-n-propyl	H	H	F	H	H	H	Br	i-Pr	heptafloisopropyl	i-Pr	CF3
15-932	3-clo-n-propyl	H	H	F	H	H	H	Br	i-Pr	heptafloisopropyl	n-Bu	CF3

Bảng 15(3)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
15-933	3-brom-n-propyl	H	H	F	H	H	H	Br	i-Pr	heptaflo isopropyl	i-Bu	CF3
15-934	i-propyl	Me	i-Pr	F	H	H	H	Br	i-Pr	heptaflo isopropyl	s-Bu	CF3
15-935	1,2-điflo-2-propyl	H	H	F	H	H	H	Br	n-Bu	heptaflo isopropyl	Me	CF3
15-936	1,3-diflo-2-propyl	H	H	F	H	H	H	Br	n-Bu	heptaflo isopropyl	Et	CF3
15-937	1,3-điclo-2-propyl	H	H	F	H	H	H	Br	n-Bu	heptaflo isopropyl	n-Pr	CF3
15-938	1-clo-3-flo-2-propyl	H	H	F	H	H	H	Br	n-Bu	nonaflo-2-butyl	i-Pr	CF3
15-939	3,3,3-triflo-n-propyl	H	H	F	H	H	H	Br	n-Bu	nonaflo-2-butyl	n-Bu	CF3
15-940	n-butyl	H	H	F	H	H	H	Br	n-Bu	nonaflo-2-butyl	i-Bu	CF3
15-941	4,4,4-triflo-n-butyl	Me	C(O)Me	F	H	H	H	Br	n-Bu	nonaflo-2-butyl	s-Bu	CF3
15-942	i-butyl	H	H	F	H	H	H	Br	i-Bu	nonaflo-2-butyl	Me	CF3
15-943	s-butyl	H	H	F	H	H	H	Br	i-Bu	nonaflo-2-butyl	Et	CF3
15-944	vinyl	H	H	F	H	H	H	Br	i-Bu	nonaflo-2-butyl	n-Pr	CF3
15-945	benzyl	H	H	F	H	H	H	Br	i-Bu	nonaflo-2-butyl	i-Pr	CF3
15-946	phenyl	H	H	F	H	H	H	Br	i-Bu	nonaflo-2-butyl	n-Bu	CF3
15-947	metyl	H	H	F	H	H	H	Br	i-Bu	nonaflo-2-butyl	i-Bu	CF3
15-948	etyl	H	H	F	H	H	H	Br	i-Bu	nonaflo-2-butyl	s-Bu	C2F5
15-949	2-floetyl	H	H	F	H	H	H	Br	s-Bu	nonaflo-2-butyl	Me	CF3
15-950	2-cloetyl	H	H	F	H	H	H	Br	s-Bu	nonaflo-2-butyl	Et	CF3
15-951	2-brometyl	H	H	F	H	H	H	Br	s-Bu	nonaflo-2-butyl	n-Pr	CF3
15-952	2-iođoetyl	H	H	F	H	H	H	Br	s-Bu	nonaflo-2-butyl	i-Pr	CF3
15-953	2-xyanoetyl	H	H	F	H	H	H	Br	s-Bu	nonaflo-2-butyl	n-Bu	CF3
15-954	2,2-đifloetyl	H	H	F	H	H	H	Br	s-Bu	nonaflo-2-butyl	i-Bu	CF3
15-955	2,2-đicloetyl	Et	Me	F	H	H	H	Br	s-Bu	nonaflo-2-butyl	s-Bu	CF3
15-956	2,2,2-trifloetyl	H	H	F	H	H	H	Br	F	nonaflo-2-butyl	Me	CF3

15-957	2,2,2-tricloetyl	H	H	F	H	H	H	Br	F	nonaflo-2-butyl	Et	CF3
15-958	2,2,2-tribrometyl	H	H	F	H	H	H	Br	F	nonaflo-2-butyl	n-Pr	CF3
15-959	n-propyl	H	H	F	H	H	H	Br	F	nonaflo-2-butyl	i-Pr	CF3
15-960	3-flo-n-propyl	H	H	F	H	H	H	Br	F	nonaflo-2-butyl	n-Bu	CF3
15-961	3-clo-n-propyl	H	H	F	H	H	H	Br	F	nonaflo-2-butyl	i-Bu	CF3
15-962	3-brom-n-propyl	Et	n-Pr	F	H	H	H	Br	F	nonaflo-2-butyl	s-Bu	CF3
15-963	i-propyl	Et	i-Pr	F	H	H	H	Br	Cl	nonaflo-2-butyl	Me	CF3
15-964	1,2-điflo-2-propyl	H	H	F	H	H	H	Br	Cl	nonaflo-2-butyl	Et	CF3
15-965	metyl	H	H	F	H	H	H	I	Cl	pentaflo etyl	n-Pr	i-C3F7
15-966	etyl	H	H	F	H	H	H	I	Cl	Heptaflo isopropyl	i-Pr	CF3
15-967	2-floetyl	H	H	F	H	H	H	I	Cl	heptaflo isopropyl	n-Bu	CF3
15-968	2-cloetyl	Et	C(O)Me	F	H	H	H	I	Cl	heptaflo isopropyl	i-Bu	CF3
15-969	2-brometyl	H	H	F	H	H	H	I	Cl	heptaflo isopropyl	s-Bu	CF3
15-970	2-iođoetyl	H	H	F	H	H	H	I	Br	heptaflo isopropyl	Me	CF3
15-971	2-xyanoetyl	H	H	F	H	H	H	I	Br	heptaflo isopropyl	Et	CF3
15-972	2,2-đifloetyl	H	H	F	H	H	H	I	Br	pentaflo etyl	n-Pr	CF3
15-973	2,2-đicloetyl	H	H	F	H	H	H	I	Br	heptaflo isopropyl	i-Pr	CF3
15-974	2,2,2-trifloetyl	H	H	F	H	H	H	I	Br	heptaflo isopropyl	n-Bu	CF3
15-975	2,2,2-tricloetyl	H	H	F	H	H	H	I	Br	heptaflo isopropyl	i-Bu	CF3
15-976	2,2,2-tribrometyl	H	H	F	H	H	H	I	Br	heptaflo isopropyl	s-Bu	CF3
15-977	n-propyl	n-Pr	Me	F	H	H	H	I	I	heptaflo isopropyl	Me	CF3
15-978	3-flo-n-propyl	H	H	F	H	H	H	I	I	heptaflo isopropyl	Et	CF3
15-979	3-clo-n-propyl	n-Pr	Et	F	H	H	H	I	I	heptaflo isopropyl	n-Pr	CF3
15-980	3-brom-n-propyl	H	H	F	H	H	H	I	I	heptaflo isopropyl	i-Pr	CF3
15-981	i-propyl	H	H	F	H	H	H	I	I	heptaflo isopropyl	n-Bu	CF3
15-982	1,2-điflo-2-propyl	H	H	F	H	H	H	I	I	heptaflo isopropyl	i-Bu	CF3

15-983	1,3-điflo-2-propyl	H	H	F	H	H	H	I	I	heptaflo isopropyl	s-Bu	CF3
15-984	1,3-điclo-2-propyl	H	H	F	H	H	H	I	Me	heptaflo isopropyl	F	C2F5
15-985	1-clo-3-flo-2-propyl	H	H	F	H	H	H	I	Me	nonaflo-2-butyl	Cl	CF3
15-986	3,3,3-triflo-n-propyl	H	H	F	H	H	H	I	Me	nonaflo-2-butyl	Br	n-C3F7
15-987	n-butyl	H	H	F	H	H	H	I	Me	nonaflo-2-butyl	I	i-C3F7
15-988	4,4,4-triflo-n-butyl	H	H	F	H	H	H	I	Et	nonaflo-2-butyl	F	CF3
15-989	i-butyl	H	H	F	H	H	H	I	Et	nonaflo-2-butyl	Cl	CF3
15-990	s-butyl	H	H	F	H	H	H	I	Et	nonaflo-2-butyl	Br	CF3
15-991	vinyl	n-Pr	i-Pr	F	H	H	H	I	Et	nonaflo-2-butyl	I	C2F5
15-992	benzyl	H	H	F	H	H	H	I	n-Pr	nonaflo-2-butyl	F	CF3
15-993	phenyl	H	H	F	H	H	H	I	n-Pr	nonaflo-2-butyl	Cl	CF3
15-994	metyl	H	H	F	H	H	H	I	n-Pr	nonaflo-2-butyl	Br	CF3
15-995	etyl	H	H	F	H	H	H	I	n-Pr	nonaflo-2-butyl	I	n-C3F7
15-996	2-floetyl	H	H	F	H	H	H	I	i-Pr	nonaflo-2-butyl	F	i-C3F7

Bảng 15(4)

Số hợp chất	Q2	R1	R2	X 1	X 2	X 3	X 4	Y1	Y2	Y3	Y4	Y5
15-997	2-cloetyl	H	H	F	H	H	H	I	i-Pr	nonaflo-2-butyl	Cl	CF3
15-998	2-brometyl	n-Pr	C(O)Me	F	H	H	H	I	i-Pr	nonaflo-2-butyl	Br	CF3
15-999	2-iođoetyl	H	H	F	H	H	H	I	i-Pr	nonaflo-2-butyl	I	CF3
15-1000	2-xyanoetyl	H	H	F	H	H	H	I	n-Bu	nonaflo-2-butyl	F	CF3
15-1001	2,2-đifloetyl	H	H	F	H	H	H	I	n-Bu	nonaflo-2-butyl	Cl	CF3
15-1002	2,2-đicloetyl	H	H	F	H	H	H	I	n-Bu	nonaflo-2-butyl	Br	CF3
15-1003	2,2,2-trifloetyl	i-Pr	Me	F	H	H	H	I	n-Bu	nonaflo-2-butyl	I	CF3
15-1004	2,2,2-tricloetyl	H	H	F	H	H	H	I	i-Bu	nonaflo-2-butyl	F	CF3
15-1005	2,2,2-tribrometyl	H	H	F	H	H	H	I	i-Bu	nonaflo-2-butyl	Cl	CF3
15-1006	n-propyl	H	H	F	H	H	H	I	i-Bu	nonaflo-2-butyl	Br	CF3
15-1007	3-flo-n-propyl	i-Pr	Et	F	H	H	H	I	i-Bu	nonaflo-2-butyl	I	CF3
15-1008	3-clo-n-propyl	i-Pr	n-Pr	F	H	H	H	I	s-Bu	nonaflo-2-butyl	F	CF3
15-1009	3-brom-n-propyl	H	H	F	H	H	H	I	s-Bu	nonaflo-2-butyl	Cl	CF3
15-1010	i-propyl	i-Pr	C(O)Me	F	H	H	H	I	s-Bu	nonaflo-2-butyl	Br	CF3
15-1011	1,2-điflo-2-propyl	H	H	F	H	H	H	I	s-Bu	nonaflo-2-butyl	I	CF3
15-1020	2,2-đicloetyl	H	Et	F	H	H	H	OCF3	F	heptaflo isopropyl	F	OCF3
15-1050	2,2,2-trifloetyl	H	H	F	H	H	H	OCF3	Me	nonaflo-2-butyl	Me	OCF3
15-1163	2,2-đicloetyl	H	Et	F	H	H	H	OCF3	F	heptaflo isopropyl	F	CF3
15-1193	2,2,2-trifloetyl	H	H	F	H	H	H	OCF3	Me	nonaflo-2-butyl	Me	CF3
15-1306	2,2-đicloetyl	H	Et	F	H	H	H	CF3	F	heptaflo isopropyl	F	CF3
15-1336	2,2,2-trifloetyl	H	H	F	H	H	H	CF3	Me	nonaflo-2-butyl	Me	CF3
15-1449	2,2-đicloetyl	H	Et	H	F	H	H	Cl	F	heptaflo isopropyl	F	Cl
15-1479	2,2,2-trifloetyl	H	H	H	F	H	H	Cl	Me	nonaflo-2-butyl	Me	I
15-1592	2,2-đicloetyl	H	Et	H	F	H	H	Cl	F	heptaflo isopropyl	F	OCF3

15-1622	2,2,2-trifloetyl	H	H	H	F	H	H	Cl	Me	nonaflo-2-butyl	Me	OCF3
15-1737	2,2,2-tricloetyl	H	H	H	F	H	H	Cl	F	heptaflo isopropyl	Br	CF3
15-1749	n-butyl	H	H	H	F	H	H	Cl	I	nonaflo-2-butyl	Br	CF3
15-1766	2,2,2-tricloetyl	H	H	H	F	H	H	Cl	Me	nonaflo-2-butyl	Et	i-C3F7
15-1772	i-propyl	H	H	H	F	H	H	Cl	Et	nonaflo-2-butyl	Me	n-C3F7
15-1773	1,2-diflo-2-propyl	H	H	H	F	H	H	Cl	Et	nonaflo-2-butyl	Et	i-C3F7
15-1779	2-cloetyl	H	H	H	F	H	H	Br	n-Pr	heptaflo isopropyl	Me	CF3
15-1780	2-brometyl	H	H	H	F	H	H	Br	n-Pr	heptaflo isopropyl	Et	CF3
15-1786	2,2,2-tricloetyl	H	H	H	F	H	H	Br	i-Pr	heptaflo isopropyl	Me	CF3
15-1787	2,2,2-tribrometyl	H	H	H	F	H	H	Br	i-Pr	heptaflo isopropyl	Et	CF3
15-1793	1,2-diflo-2-propyl	H	H	H	F	H	H	Br	n-Bu	heptaflo isopropyl	Me	CF3
15-1794	1,3-diflo-2-propyl	H	H	H	F	H	H	Br	n-Bu	heptaflo isopropyl	Et	CF3
15-1800	i-butyl	H	H	H	F	H	H	Br	i-Bu	nonaflo-2-butyl	Me	CF3
15-1801	s-butyl	H	H	H	F	H	H	Br	i-Bu	nonaflo-2-butyl	Et	CF3
15-1807	2-floetyl	H	H	H	F	H	H	Br	s-Bu	nonaflo-2-butyl	Me	CF3
15-1808	2-cloetyl	H	H	H	F	H	H	Br	s-Bu	nonaflo-2-butyl	Et	CF3
15-1814	2,2,2-trifloetyl	H	H	H	F	H	H	Br	F	nonaflo-2-butyl	Me	CF3
15-1815	2,2,2-tricloetyl	H	H	H	F	H	H	Br	F	nonaflo-2-butyl	Et	CF3
15-1821	i-propyl	Et	i-Pr	H	F	H	H	Br	Cl	nonaflo-2-butyl	Me	CF3
15-1822	1,2-diflo-2-propyl	H	H	H	F	H	H	Br	Cl	nonaflo-2-butyl	Et	CF3
15-1828	2-iodoetyl	H	H	H	F	H	H	I	Br	heptaflo isopropyl	Me	CF3
15-1829	2-xyanoetyl	H	H	H	F	H	H	I	Br	heptaflo isopropyl	Et	CF3
15-1835	n-propyl	n-Pr	Me	H	F	H	H	I	I	heptaflo isopropyl	Me	CF3
15-1836	3-flo-n-propyl	H	H	H	F	H	H	I	I	heptaflo isopropyl	Et	CF3
15-1842	1,3-diclo-2-propyl	H	H	H	F	H	H	I	Me	heptaflo isopropyl	F	C2F5
15-1843	1-clo-3-flo-2-propyl	H	H	H	F	H	H	I	Me	nonaflo-2-butyl	Cl	CF3

15-1846	4,4,4-triflo-n-butyl	H	H	H	F	H	H	I	Et	nonaflo-2-butyl	F	CF3
15-1847	i-butyl	H	H	H	F	H	H	I	Et	nonaflo-2-butyl	Cl	CF3
15-1850	benzyl	H	H	H	F	H	H	I	n-Pr	nonaflo-2-butyl	F	CF3
15-1851	phenyl	H	H	H	F	H	H	I	n-Pr	nonaflo-2-butyl	Cl	CF3
15-1854	2-floetyl	H	H	H	F	H	H	I	i-Pr	nonaflo-2-butyl	F	i-C3F7
15-1855	2-cloetyl	H	H	H	F	H	H	I	i-Pr	nonaflo-2-butyl	Cl	CF3
15-1858	2-xyanoetyl	H	H	H	F	H	H	I	n-Bu	nonaflo-2-butyl	F	CF3
15-1859	2,2-difloetyl	H	H	H	F	H	H	I	n-Bu	nonaflo-2-butyl	Cl	CF3
15-1862	2,2,2-tricloetyl	H	H	H	F	H	H	I	i-Bu	nonaflo-2-butyl	F	CF3
15-1863	2,2,2-tribrometyl	H	H	H	F	H	H	I	i-Bu	nonaflo-2-butyl	Cl	CF3
15-1866	3-clo-n-propyl	i-Pr	n-Pr	H	F	H	H	I	s-Bu	nonaflo-2-butyl	F	CF3
15-1867	3-brom-n-propyl	H	H	H	F	H	H	I	s-Bu	nonaflo-2-butyl	Cl	CF3
15-1878	2,2-dicloetyl	H	Et	H	F	H	H	OCF3	F	heptaflo isopropyl	F	OCF3
15-1908	2,2,2-trifloetyl	H	H	H	F	H	H	OCF3	Me	nonaflo-2-butyl	Me	OCF3

Bảng 15(5)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
15-2021	2,2-đicloetyl	H	Et	H	F	H	H	OCF3	F	heptaflo isopropyl	F	CF3
15-2051	2,2,2-trifloetyl	H	H	H	F	H	H	OCF3	Me	nonaflo-2-butyl	Me	CF3
15-2164	2,2-đicloetyl	H	Et	H	F	H	H	CF3	F	heptaflo isopropyl	F	CF3
15-2194	2,2,2-trifloetyl	H	H	H	F	H	H	CF3	Me	nonaflo-2-butyl	Me	CF3
15-2307	2,2-đicloetyl	H	Et	F	F	H	H	Cl	F	heptaflo isopropyl	F	Cl
15-2337	2,2,2-trifloetyl	H	H	F	F	H	H	Cl	Me	nonaflo-2-butyl	Me	I
15-2450	2,2-đicloetyl	H	Et	F	F	H	H	Cl	F	heptaflo isopropyl	F	OCF3
15-2480	2,2,2-trifloetyl	H	H	F	F	H	H	Cl	Me	nonaflo-2-butyl	Me	OCF3
15-2585	metyl	H	H	F	F	H	H	Cl	F	heptaflo isopropyl	H	CF3
15-2591	2-xyanoetyl	Et	H	F	F	H	H	Cl	I	heptaflo isopropyl	H	C2F5
15-2594	2,2,2-trifloetyl	H	H	F	F	H	H	Cl	F	heptaflo isopropyl	Cl	CF3
15-2602	1,2-điflo-2-propyl	H	H	F	F	H	H	Cl	Br	heptaflo isopropyl	Cl	CF3
15-2609	i-butyl	H	H	F	F	H	H	Cl	Me	nonaflo-2-butyl	H	CF3
15-2610	s-butyl	H	H	F	F	H	H	Cl	H	nonaflo-2-butyl	Me	CF3
15-2611	vinyl	i-Pr	H	F	F	H	H	Cl	Et	nonaflo-2-butyl	H	CF3
15-2612	benzyl	H	H	F	F	H	H	Cl	H	nonaflo-2-butyl	Et	CF3
15-2623	2,2,2-trifloetyl	H	H	F	F	H	H	Cl	Me	nonaflo-2-butyl	Me	n-C3F7
15-2624	2,2,2-tricloetyl	H	H	F	F	H	H	Cl	Me	nonaflo-2-butyl	Et	i-C3F7
15-2630	i-propyl	H	H	F	F	H	H	Cl	Et	nonaflo-2-butyl	Me	n-C3F7
15-2631	1,2-điflo-2-propyl	H	H	F	F	H	H	Cl	Et	nonaflo-2-butyl	Et	i-C3F7
15-2637	2-cloetyl	H	H	F	F	H	H	Br	n-Pr	heptaflo isopropyl	Me	CF3

15-2638	2-brometyl	H	H	F	F	H	H	Br	n-Pr	heptaflo isopropyl	Et	CF3
15-2644	2,2,2-tricloetyl	H	H	F	F	H	H	Br	i-Pr	heptaflo isopropyl	Me	CF3
15-2645	2,2,2-tribrometyl	H	H	F	F	H	H	Br	i-Pr	heptaflo isopropyl	Et	CF3
15-2651	1,2-điflo-2-propyl	H	H	F	F	H	H	Br	n-Bu	heptaflo isopropyl	Me	CF3
15-2652	1,3-điflo-2-propyl	H	H	F	F	H	H	Br	n-Bu	heptaflo isopropyl	Et	CF3
15-2658	i-butyl	H	H	F	F	H	H	Br	i-Bu	nonaflo-2-butyl	Me	CF3
15-2659	s-butyl	H	H	F	F	H	H	Br	i-Bu	nonaflo-2-butyl	Et	CF3
15-2665	2-floetyl	H	H	F	F	H	H	Br	s-Bu	nonaflo-2-butyl	Me	CF3
15-2666	2-cloetyl	H	H	F	F	H	H	Br	s-Bu	nonaflo-2-butyl	Et	CF3
15-2672	2,2,2-trifloetyl	H	H	F	F	H	H	Br	F	nonaflo-2-butyl	Me	CF3
15-2673	2,2,2-tricloetyl	H	H	F	F	H	H	Br	F	nonaflo-2-butyl	Et	CF3
15-2679	i-propyl	Et	i-Pr	F	F	H	H	Br	Cl	nonaflo-2-butyl	Me	CF3
15-2680	1,2-điflo-2-propyl	H	H	F	F	H	H	Br	Cl	nonaflo-2-butyl	Et	CF3
15-2686	2-iođoetyl	H	H	F	F	H	H	I	Br	heptaflo isopropyl	Me	CF3
15-2687	2-xyanoetyl	H	H	F	F	H	H	I	Br	heptaflo isopropyl	Et	CF3
15-2693	n-propyl	n-Pr	Me	F	F	H	H	I	I	heptaflo isopropyl	Me	CF3
15-2694	3-flo-n-propyl	H	H	F	F	H	H	I	I	heptaflo isopropyl	Et	CF3
15-2700	1,3-điclo-2-propyl	H	H	F	F	H	H	I	Me	heptaflo isopropyl	F	C2F5
15-2701	1-clo-3-flo-2-propyl	H	H	F	F	H	H	I	Me	nonaflo-2-butyl	Cl	CF3
15-2704	4,4,4-triflo-n-butyl	H	H	F	F	H	H	I	Et	nonaflo-2-butyl	F	CF3
15-2705	i-butyl	H	H	F	F	H	H	I	Et	nonaflo-2-butyl	Cl	CF3
15-2708	benzyl	H	H	F	F	H	H	I	n-Pr	nonaflo-2-butyl	F	CF3

15-2709	phenyl	H	H	F	F	H	H	I	n-Pr	nonaflo-2-butyl	Cl	CF3
15-2712	2-floetyl	H	H	F	F	H	H	I	i-Pr	nonaflo-2-butyl	F	i-C3F7
15-2713	2-cloetyl	H	H	F	F	H	H	I	i-Pr	nonaflo-2-butyl	Cl	CF3
15-2716	2-xyanoetyl	H	H	F	F	H	H	I	n-Bu	nonaflo-2-butyl	F	CF3
15-2717	2,2-difloetyl	H	H	F	F	H	H	I	n-Bu	nonaflo-2-butyl	Cl	CF3
15-2720	2,2,2-tricloetyl	H	H	F	F	H	H	I	i-Bu	nonaflo-2-butyl	F	CF3
15-2721	2,2,2-tribrometyl	H	H	F	F	H	H	I	i-Bu	nonaflo-2-butyl	Cl	CF3
15-2724	3-clo-n-propyl	i-Pr	n-Pr	F	F	H	H	I	s-Bu	nonaflo-2-butyl	F	CF3
15-2725	3-brom-n-propyl	H	H	F	F	H	H	I	s-Bu	nonaflo-2-butyl	Cl	CF3
15-2736	2,2-dicloetyl	H	Et	F	F	H	H	OCF3	F	heptaflo isopropyl	F	OCF3
15-2766	2,2,2-trifloetyl	H	H	F	F	H	H	OCF3	Me	nonaflo-2-butyl	Me	OCF3
15-2879	2,2-dicloetyl	H	Et	F	F	H	H	OCF3	F	heptaflo isopropyl	F	CF3
15-2909	2,2,2-trifloetyl	H	H	F	F	H	H	OCF3	Me	nonaflo-2-butyl	Me	CF3
15-3022	2,2-dicloetyl	H	Et	F	F	H	H	CF3	F	heptaflo isopropyl	F	CF3
15-3052	2,2,2-trifloetyl	H	H	F	F	H	H	CF3	Me	nonaflo-2-butyl	Me	CF3
15-3157	2,2,2-tricloetyl	H	H	F	F	F	H	Cl	F	pentafloetyl	H	Cl
15-3158	2,2,2-tricloetyl	Me	H	F	F	F	H	Cl	H	heptaflo isopropyl	F	Cl
15-3159	2,2,2-tricloetyl	H	Me	F	F	F	H	Br	Cl	heptaflo isopropyl	H	Br
15-3160	2,2,2-tricloetyl	Me	Me	F	F	F	H	I	H	heptaflo isopropyl	Cl	I
15-3161	2,2,2-tricloetyl	H	H	F	F	F	H	Cl	Br	heptaflo isopropyl	H	OCF3
15-3162	2,2,2-tricloetyl	H	H	F	F	F	H	Br	H	heptaflo sopropyl	Br	OCF3

Bảng 15(6)

Số hợp chất	Q2	R1	R2	X 1	X 2	X 3	X 4	Y1	Y2	Y3	Y4	Y5
15-3163	2,2,2-tricloetyl	Et	H	F	F	F	H	I	I	heptaflo isopropyl	H	OCF3
15-3164	2,2,2-tricloetyl	H	H	F	F	F	H	Cl	H	heptaflo isopropyl	I	CF3
15-3165	2,2,2-tricloetyl	H	Et	F	F	F	H	Br	F	heptaflo isopropyl	F	CF3
15-3166	2,2,2-tricloetyl	H	H	F	F	F	H	I	F	heptaflo isopropyl	Cl	CF3
15-3167	2,2,2-tricloetyl	H	H	F	F	F	H	CF3	F	heptaflo isopropyl	Br	CF3
15-3168	2,2,2-tricloetyl	Et	Et	F	F	F	H	Cl	F	nonaflo-2-butyl	I	Cl
15-3169	2,2,2-tricloetyl	H	H	F	F	F	H	Br	Cl	nonaflo-2-butyl	F	Br
15-3170	2,2,2-tricloetyl	H	H	F	F	F	H	I	Cl	nonaflo-2-butyl	Cl	I
15-3171	2,2,2-tricloetyl	n-Pr	H	F	F	F	H	Cl	Cl	nonaflo-2-butyl	Br	OCF3
15-3172	2,2,2-tricloetyl	H	H	F	F	F	H	Br	Cl	nonaflo-2-butyl	I	OCF3
15-3173	2,2,2-tricloetyl	H	n-Pr	F	F	F	H	I	Br	nonaflo-2-butyl	F	OCF3
15-3174	2,2,2-tricloetyl	H	H	F	F	F	H	Cl	Br	nonaflo-2-butyl	Cl	CF3
15-3175	2,2,2-tricloetyl	H	H	F	F	F	H	Br	Br	nonaflo-2-butyl	Br	CF3
15-3176	2,2,2-tricloetyl	n-Pr	n-Pr	F	F	F	H	I	Br	nonaflo-2-butyl	I	CF3
15-3177	2,2,2-tricloetyl	H	H	F	F	F	H	CF3	I	nonaflo-2-butyl	F	CF3
15-3178	2,2,2-tricloetyl	H	H	H	H	F	H	Cl	I	pentafloetyl	Cl	Cl
15-3179	2,2,2-tricloetyl	H	H	H	H	F	H	Cl	I	heptaflo isopropyl	Br	Cl
15-3180	2,2,2-tricloetyl	H	H	H	H	F	H	Br	I	heptaflo isopropyl	I	Br
15-3181	2,2,2-tricloetyl	H	H	H	H	F	H	I	Me	heptaflo isopropyl	H	I
15-3182	2,2,2-tricloetyl	H	H	H	H	F	H	Cl	H	heptaflo isopropy	Me	OCF3
15-3183	2,2,2-tricloetyl	i-Pr	H	H	H	F	H	Br	Et	heptaflo isopropyl	H	OCF3
15-3184	2,2,2-tricloetyl	H	H	H	H	F	H	I	H	heptaflo isopropyl	Et	OCF3
15-3185	2,2,2-tricloetyl	H	H	H	H	F	H	Cl	n-Pr	heptaflo isopropyl	H	CF3
15-3186	2,2,2-tricloetyl	H	i-Pr	H	H	F	H	Br	H	heptaflo isopropyl	n-Pr	CF3
15-3187	2,2,2-tricloetyl	i-Pr	i-Pr	H	H	F	H	I	i-Pr	heptaflo isopropyl	H	CF3
15-3188	2,2,2-tricloetyl	H	H	H	H	F	H	CF3	H	heptaflo isopropyl	i-Pr	CF3
15-3189	2,2,2-tricloetyl	H	H	H	H	F	H	Cl	n-Bu	nonaflo-2-butyl	H	Cl

15-3190	2,2,2-tricloetyl	H	H	H	H	F	H	Br	H	nonaflo-2-butyl	n-Bu	Br
15-3191	2,2,2-tricloetyl	H	H	H	H	F	H	I	i-Bu	nonaflo-2-butyl	H	I
15-3192	2,2,2-tricloetyl	H	H	H	H	F	H	Cl	H	nonaflo-2-butyl	i-Bu	OCF3
15-3193	2,2,2-tricloetyl	H	H	H	H	F	H	Br	s-Bu	nonaflo-2-butyl	H	OCF3
15-3194	2,2,2-tricloetyl	H	H	H	H	F	H	I	H	nonaflo-2-butyl	s-Bu	OCF3
15-3195	2,2,2-tricloetyl	H	H	H	H	F	H	Cl	Me	nonaflo-2-butyl	Me	CF3
15-3196	2,2,2-tricloetyl	H	H	H	H	F	H	Br	Me	nonaflo-2-butyl	Et	CF3
15-3197	2,2,2-tricloetyl	C(O)Me	H	H	H	F	H	I	Me	nonaflo-2-butyl	n-Pr	CF3
15-3198	2,2,2-tricloetyl	H	H	H	H	F	H	CF3	Me	nonaflo-2-butyl	i-Pr	CF3
15-3199	2,2,2-tricloetyl	H	H	H	H	H	F	Cl	Me	pentafloetyl	n-Bu	Cl
15-3200	2,2,2-tricloetyl	H	H	H	H	H	F	Br	Me	heptaflo isopropyl	i-Bu	Br
15-3201	2,2,2-tricloetyl	H	C(O)Me	H	H	H	F	Br	Me	heptaflo isopropyl	s-Bu	OCF3
15-3202	2,2,2-tricloetyl	H	H	H	H	H	F	I	Et	heptaflo isopropyl	Me	CF3
15-3203	2,2,2-tricloetyl	H	H	H	H	H	F	CF3	Et	heptaflo isopropyl	Et	CF3
15-3204	2,2,2-tricloetyl	C(O)Me	C(O)Me	H	H	H	F	I	Et	nonaflo-2-butyl	n-Pr	I
15-3205	2,2,2-tricloetyl	H	H	H	H	H	F	Cl	Et	nonaflo-2-butyl	i-Pr	OCF3
15-3206	2,2,2-tricloetyl	H	H	H	H	H	F	Br	Et	nonaflo-2-butyl	n-Bu	CF3
15-3207	2,2,2-tricloetyl	H	H	H	H	H	F	CF3	Et	nonaflo-2-butyl	i-Bu	CF3
15-3208	2,2,2-tricloetyl	H	H	F	H	F	H	Cl	Et	pentafloetyl	s-Bu	Cl
15-3209	2,2,2-tricloetyl	H	H	F	H	F	H	Cl	n-Pr	heptaflo isopropyl	Me	Cl
15-3210	2,2,2-tricloetyl	H	H	F	H	F	H	Br	n-Pr	heptaflo isopropyl	Et	Br
15-3211	2,2,2-tricloetyl	Me	Et	F	H	F	H	I	n-Pr	heptaflo isopropyl	n-Pr	I
15-3212	2,2,2-tricloetyl	H	H	F	H	F	H	Cl	n-Pr	heptaflo isopropyl	i-Pr	OCF3
15-3213	2,2,2-tricloetyl	H	H	F	H	F	H	Br	n-Pr	heptaflo isopropyl	n-Bu	OCF3
15-3214	2,2,2-tricloetyl	H	H	F	H	F	H	I	n-Pr	heptaflo isopropyl	i-Bu	OCF3
15-3215	2,2,2-tricloetyl	H	H	F	H	F	H	Cl	n-Pr	heptaflo isopropyl	s-Bu	CF3
15-3216	2,2,2-tricloetyl	Me	n-Pr	F	H	F	H	Br	i-Pr	heptaflo isopropyl	Me	CF3
15-3217	2,2,2-tricloetyl	H	H	F	H	F	H	I	i-Pr	heptaflo isopropyl	Et	CF3

15-3218	2,2,2-tricloetyl	H	H	F	H	F	H	CF3	i-Pr	heptaflo isopropyl	n-Pr	CF3
15-3219	2,2,2-tricloetyl	H	H	F	H	F	H	Cl	i-Pr	nonaflo-2-butyl	i-Pr	Cl
15-3220	2,2,2-tricloetyl	H	H	F	H	F	H	Br	i-Pr	nonaflo-2-butyl	n-Bu	Br
15-3221	2,2,2-tricloetyl	H	H	F	H	F	H	I	i-Pr	nonaflo-2-butyl	i-Bu	I
15-3222	2,2,2-tricloetyl	Me	i-Pr	F	H	F	H	Cl	i-Pr	nonaflo-2-butyl	s-Bu	OCF3
15-3223	2,2,2-tricloetyl	H	H	F	H	F	H	Br	n-Bu	nonaflo-2-butyl	Me	OCF3
15-3224	2,2,2-tricloetyl	H	H	F	H	F	H	I	n-Bu	nonaflo-2-butyl	Et	OCF3
15-3225	2,2,2-tricloetyl	H	H	F	H	F	H	Br	n-Bu	nonaflo-2-butyl	n-Pr	CF3
15-3226	2,2,2-tricloetyl	H	H	F	H	F	H	I	n-Bu	nonaflo-2-butyl	i-Pr	CF3

Bảng 15(7)

Số hợp chất	Q2	R1	R2	X 1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
15-3227	2,2,2-tricloetyl	H	H	F	H	F	H	CF3	n-Bu	nonaflo-2-butyl	n-Bu	CF3
15-3228	2,2,2-tricloetyl	H	H	F	H	H	F	Cl	n-Bu	pentafloetyl	i-Bu	Cl
15-3229	2,2,2-tricloetyl	Me	C(O)Me	F	H	H	F	Br	n-Bu	heptaflo isopropyl	s-Bu	Br
15-3230	2,2,2-tricloetyl	H	H	F	H	H	F	Br	i-Bu	heptaflo isopropyl	Me	OCF3
15-3231	2,2,2-tricloetyl	H	H	F	H	H	F	I	i-Bu	heptaflo isopropyl	Et	CF3
15-3232	2,2,2-tricloetyl	H	H	F	H	H	F	CF3	i-Bu	heptaflo isopropyl	n-Pr	CF3
15-3233	2,2,2-tricloetyl	H	H	F	H	H	F	I	i-Bu	nonaflo-2-butyl	i-Pr	I
15-3234	2,2,2-tricloetyl	H	H	F	H	H	F	Cl	i-Bu	nonaflo-2-butyl	n-Bu	OCF3
15-3235	2,2,2-tricloetyl	H	H	F	H	H	F	Br	i-Bu	nonaflo-2-butyl	i-Bu	CF3
15-3236	2,2,2-tricloetyl	H	H	F	H	H	F	CF3	i-Bu	nonaflo-2-butyl	s-Bu	CF3
15-3237	2,2,2-tricloetyl	H	H	H	F	F	H	Cl	s-Bu	pentafloetyl	Me	Cl
15-3238	2,2,2-tricloetyl	H	H	H	F	F	H	Br	s-Bu	heptaflo isopropyl	Et	Br
15-3239	2,2,2-tricloetyl	H	H	H	F	F	H	Br	s-Bu	heptaflo isopropyl	n-Pr	OCF3
15-3240	2,2,2-tricloetyl	H	H	H	F	F	H	I	s-Bu	heptaflo isopropyl	i-Pr	CF3
15-3241	2,2,2-tricloetyl	H	H	H	F	F	H	CF3	s-Bu	heptaflo isopropyl	n-Bu	CF3
15-3242	2,2,2-tricloetyl	H	H	H	F	F	H	I	s-Bu	nonaflo-2-butyl	i-Bu	I
15-3243	2,2,2-tricloetyl	Et	Me	H	F	F	H	Cl	s-Bu	nonaflo-2-butyl	s-Bu	OCF3
15-3244	2,2,2-tricloetyl	H	H	H	F	F	H	Br	F	nonaflo-2-butyl	Me	CF3
15-3245	2,2,2-tricloetyl	H	H	H	F	F	H	CF3	F	nonaflo-2-butyl	Et	CF3
15-3246	2,2,2-tricloetyl	H	H	H	F	H	F	Cl	F	pentafloetyl	n-Pr	Cl
15-3247	2,2,2-tricloetyl	H	H	H	F	H	F	Br	F	heptaflo isopropyl	i-Pr	Br

15-3248	2,2,2-tricloetyl	H	H	H	F	H	F	Br	F	heptaflo isopropyl	n-Bu	OCF3
15-3249	2,2,2-tricloetyl	H	H	H	F	H	F	I	F	heptaflo isopropyl	i-Bu	CF3
15-3250	2,2,2-tricloetyl	Et	n-Pr	H	F	H	F	CF3	F	heptaflo isopropyl	s-Bu	CF3
15-3251	2,2,2-tricloetyl	Et	i-Pr	H	F	H	F	I	Cl	nonaflo-2-butyl	Me	I
15-3252	2,2,2-tricloetyl	H	H	H	F	H	F	Cl	Cl	nonaflo-2-butyl	Et	OCF3
15-3253	2,2,2-tricloetyl	H	H	H	F	H	F	Br	Cl	nonaflo-2-butyl	n-Pr	CF3
15-3254	2,2,2-tricloetyl	H	H	H	F	H	F	CF3	Cl	nonaflo-2-butyl	i-Pr	CF3
15-3255	2,2,2-tricloetyl	H	H	H	H	F	F	Cl	Cl	pentafloetyl	n-Bu	Cl
15-3256	2,2,2-tricloetyl	Et	C(O)Me	H	H	F	F	Br	Cl	heptaflo isopropyl	i-Bu	Br
15-3257	2,2,2-tricloetyl	H	H	H	H	F	F	Br	Cl	heptaflo isopropyl	s-Bu	OCF3
15-3258	2,2,2-tricloetyl	H	H	H	H	F	F	I	Br	heptaflo isopropyl	Me	CF3
15-3259	2,2,2-tricloetyl	H	H	H	H	F	F	CF3	Br	heptaflo isopropyl	Et	CF3
15-3260	2,2,2-tricloetyl	H	H	H	H	F	F	I	Br	nonaflo-2-butyl	n-Pr	I
15-3261	2,2,2-tricloetyl	H	H	H	H	F	F	Cl	Br	nonaflo-2-butyl	i-Pr	OCF3
15-3262	2,2,2-tricloetyl	H	H	H	H	F	F	Br	Br	nonaflo-2-butyl	n-Bu	CF3
15-3263	2,2,2-tricloetyl	H	H	H	H	F	F	CF3	Br	nonaflo-2-butyl	i-Bu	CF3
15-3264	2,2,2-tricloetyl	H	H	F	F	H	F	Cl	Br	pentafloetyl	s-Bu	Cl
15-3265	2,2,2-tricloetyl	n-Pr	Me	F	F	H	F	Br	I	heptaflo isopropyl	Me	Br
15-3266	2,2,2-tricloetyl	H	H	F	F	H	F	Br	I	heptaflo isopropyl	Et	OCF3
15-3267	2,2,2-tricloetyl	n-Pr	Et	F	F	H	F	I	I	heptaflo isopropyl	n-Pr	CF3
15-3268	2,2,2-tricloetyl	H	H	F	F	H	F	CF3	I	heptaflo isopropyl	i-Pr	CF3
15-3269	2,2,2-tricloetyl	H	H	F	F	H	F	I	I	nonaflo-2-butyl	n-Bu	I
15-3270	2,2,2-tricloetyl	H	H	F	F	H	F	Cl	I	nonaflo-2-butyl	i-Bu	OCF3

15-3271	2,2,2-tricloetyl	H	H	F	F	H	F	Br	I	nonaflo-2-butyl	s-Bu	CF3
15-3272	2,2,2-tricloetyl	H	H	F	F	H	F	CF3	Me	nonaflo-2-butyl	F	CF3
15-3273	2,2,2-tricloetyl	H	H	F	H	F	F	Cl	Me	pentafloetyl	Cl	Cl
15-3274	2,2,2-tricloetyl	H	H	F	H	F	F	Br	Me	heptaflo isopropyl	Br	Br
15-3275	2,2,2-tricloetyl	H	H	F	H	F	F	Br	Me	heptaflo isopropyl	I	OCF3
15-3276	2,2,2-tricloetyl	H	H	F	H	F	F	I	Et	heptaflo isopropyl	F	CF3
15-3277	2,2,2-tricloetyl	H	H	F	H	F	F	CF3	Et	heptaflo isopropyl	Cl	CF3
15-3278	2,2,2-tricloetyl	H	H	F	H	F	F	I	Et	nonaflo-2-butyl	Br	I
15-3279	2,2,2-tricloetyl	n-Pr	i-Pr	F	H	F	F	Cl	Et	nonaflo-2-butyl	I	OCF3
15-3280	2,2,2-tricloetyl	H	H	F	H	F	F	Br	n-Pr	nonaflo-2-butyl	F	CF3
15-3281	2,2,2-tricloetyl	H	H	F	H	F	F	CF3	n-Pr	nonaflo-2-butyl	Cl	CF3
15-3282	2,2,2-tricloetyl	H	H	H	F	F	F	Cl	n-Pr	pentafloetyl	Br	Cl
15-3283	2,2,2-tricloetyl	H	H	H	F	F	F	Br	n-Pr	heptaflo isopropyl	I	Br
15-3284	2,2,2-tricloetyl	H	H	H	F	F	F	Br	i-Pr	heptaflo isopropyl	F	OCF3
15-3285	2,2,2-tricloetyl	H	H	H	F	F	F	I	i-Pr	heptaflo isopropyl	Cl	CF3
15-3286	2,2,2-tricloetyl	n-Pr	C(O)Me	H	F	F	F	CF3	i-Pr	heptaflo isopropyl	Br	CF3
15-3287	2,2,2-tricloetyl	H	H	H	F	F	F	I	i-Pr	nonaflo-2-butyl	I	I
15-3288	2,2,2-tricloetyl	H	H	H	F	F	F	Cl	n-Bu	nonaflo-2-butyl	F	OCF3
15-3289	2,2,2-tricloetyl	H	H	H	F	F	F	Br	n-Bu	nonaflo-2-butyl	Cl	CF3
15-3290	2,2,2-tricloetyl	H	H	H	F	F	F	CF3	n-Bu	nonaflo-2-butyl	Br	CF3

Bảng 15(8)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
15-3291	2,2,2-tricloetyl	i-Pr	Me	F	F	F	F	Cl	n-Bu	pentafloetyl	I	Cl
15-3292	2,2,2-tricloetyl	H	H	F	F	F	F	Br	i-Bu	heptaflo isopropyl	F	Br
15-3293	2,2,2-tricloetyl	H	H	F	F	F	F	Br	i-Bu	heptaflo isopropyl	Cl	OCF3
15-3294	2,2,2-tricloetyl	H	H	F	F	F	F	I	i-Bu	heptaflo isopropyl	Br	CF3
15-3295	2,2,2-tricloetyl	i-Pr	Et	F	F	F	F	CF3	i-Bu	heptaflo isopropyl	I	CF3
15-3296	2,2,2-tricloetyl	i-Pr	n-Pr	F	F	F	F	I	s-Bu	nonaflo-2-butyl	F	I
15-3297	2,2,2-tricloetyl	H	H	F	F	F	F	Cl	s-Bu	nonaflo-2-butyl	Cl	OCF3
15-3298	2,2,2-tricloetyl	i-Pr	C(O)Me	F	F	F	F	Br	s-Bu	nonaflo-2-butyl	Br	CF3
15-3299	2,2,2-tricloetyl	H	H	F	F	F	F	CF3	s-Bu	nonaflo-2-butyl	I	CF3
15-3308	2,2-dicloetyl	H	Et	H	CN	H	H	Cl	F	heptaflo isopropyl	F	OCF3
15-3338	2,2,2-trifloetyl	H	H	H	CN	H	H	Cl	Me	nonaflo-2-butyl	Me	OCF3
15-3447	2-brometyl	H	H	H	CN	H	H	F	Br	heptaflo isopropyl	H	CF3
15-3457	3-clo-n-propyl	n-Pr	H	H	CN	H	H	Cl	Cl	heptaflo isopropyl	Br	CF3
15-3464	3,3,3-triflo-n-propyl	H	H	H	CN	H	H	Cl	I	nonaflo-2-butyl	Cl	CF3
15-3467	i-butyl	H	H	H	CN	H	H	Cl	Me	nonaflo-2-butyl	H	CF3
15-3468	s-butyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	Me	CF3
15-3469	vinyl	i-Pr	H	H	CN	H	H	Cl	Et	nonaflo-2-butyl	H	CF3
15-3470	benzyl	H	H	H	CN	H	H	Cl	H	nonaflo-2-butyl	Et	CF3
15-3481	2,2,2-trifloetyl	H	H	H	CN	H	H	Cl	Me	nonaflo-2-butyl	Me	n-C3F7
15-3482	2,2,2-tricloetyl	H	H	H	CN	H	H	Cl	Me	nonaflo-2-butyl	Et	i-C3F7
15-3488	i-propyl	H	H	H	CN	H	H	Cl	Et	nonaflo-2-butyl	Me	n-C3F7

15-3489	1,2-điflo-2-propyl	H	H	H	CN	H	H	Cl	Et	nonaflo-2-butyl	Et	i-C3F7
15-3495	2-cloetyl	H	H	H	CN	H	H	Br	n-Pr	heptaflo isopropyl	Me	CF3
15-3496	2-brometyl	H	H	H	CN	H	H	Br	n-Pr	heptaflo isopropyl	Et	CF3
15-3502	2,2,2-tricloetyl	H	H	H	CN	H	H	Br	i-Pr	heptaflo isopropyl	Me	CF3
15-3503	2,2,2-tribrometyl	H	H	H	CN	H	H	Br	i-Pr	heptaflo isopropyl	Et	CF3
15-3509	1,2-điflo-2-propyl	H	H	H	CN	H	H	Br	n-Bu	heptaflo isopropyl	Me	CF3
15-3510	1,3-điflo-2-propyl	H	H	H	CN	H	H	Br	n-Bu	heptaflo isopropyl	Et	CF3
15-3516	i-butyl	H	H	H	CN	H	H	Br	i-Bu	nonaflo-2-butyl	Me	CF3
15-3517	s-butyl	H	H	H	CN	H	H	Br	i-Bu	nonaflo-2-butyl	Et	CF3
15-3523	2-floetyl	H	H	H	CN	H	H	Br	s-Bu	nonaflo-2-butyl	Me	CF3
15-3524	2-cloetyl	H	H	H	CN	H	H	Br	s-Bu	nonaflo-2-butyl	Et	CF3
15-3530	2,2,2-trifloetyl	H	H	H	CN	H	H	Br	F	nonaflo-2-butyl	Me	CF3
15-3531	2,2,2-tricloetyl	H	H	H	CN	H	H	Br	F	nonaflo-2-butyl	Et	CF3
15-3537	i-propyl	Et	i-Pr	H	CN	H	H	Br	Cl	nonaflo-2-butyl	Me	CF3
15-3538	1,2-điflo-2-propyl	H	H	H	CN	H	H	Br	Cl	nonaflo-2-butyl	Et	CF3
15-3544	2-iođoetyl	H	H	H	CN	H	H	I	Br	heptaflo isopropyl	Me	CF3
15-3545	2-xyanoetyl	H	H	H	CN	H	H	I	Br	heptaflo isopropyl	Et	CF3
15-3551	n-propyl	n-Pr	Me	H	CN	H	H	I	I	heptaflo isopropyl	Me	CF3
15-3552	3-flo-n-propyl	H	H	H	CN	H	H	I	I	heptaflo isopropyl	Et	CF3
15-3558	1,3-điclo-2-propyl	H	H	H	CN	H	H	I	Me	heptaflo isopropyl	F	C2F5
15-3559	1-clo-3-flo-2-propyl	H	H	H	CN	H	H	I	Me	nonaflo-2-butyl	Cl	CF3
15-3562	4,4,4-triflo-n-butyl	H	H	H	CN	H	H	I	Et	nonaflo-2-butyl	F	CF3
15-3563	i-butyl	H	H	H	CN	H	H	I	Et	nonaflo-2-butyl	Cl	CF3

15-3566	benzyl	H	H	H	CN	H	H	I	n-Pr	nonaflo-2-butyl	F	CF3
15-3567	phenyl	H	H	H	CN	H	H	I	n-Pr	nonaflo-2-butyl	Cl	CF3
15-3570	2-floetyl	H	H	H	CN	H	H	I	i-Pr	nonaflo-2-butyl	F	i-C3F7
15-3571	2-cloetyl	H	H	H	CN	H	H	I	i-Pr	nonaflo-2-butyl	Cl	CF3
15-3574	2-xyanoetyl	H	H	H	CN	H	H	I	n-Bu	nonaflo-2-butyl	F	CF3
15-3575	2,2-đifloetyl	H	H	H	CN	H	H	I	n-Bu	nonaflo-2-butyl	Cl	CF3
15-3578	2,2,2-tricloetyl	H	H	H	CN	H	H	I	i-Bu	nonaflo-2-butyl	F	CF3
15-3579	2,2,2-tribrometyl	H	H	H	CN	H	H	I	i-Bu	nonaflo-2-butyl	Cl	CF3
15-3582	3-clo-n-propyl	i-Pr	n-Pr	H	CN	H	H	I	s-Bu	nonaflo-2-butyl	F	CF3
15-3583	3-brom-n-propyl	H	H	H	CN	H	H	I	s-Bu	nonaflo-2-butyl	Cl	CF3
15-3594	2,2-đicloetyl	H	Et	H	CN	H	H	OCF3	F	heptaflo isopropyl	F	OCF3
15-3624	2,2,2-trifloetyl	H	H	H	CN	H	H	OCF3	Me	nonaflo-2-butyl	Me	OCF3
15-3737	2,2-đicloetyl	H	Et	H	CN	H	H	OCF3	F	heptaflo isopropyl	F	CF3
15-3767	2,2,2-trifloetyl	H	H	H	CN	H	H	OCF3	Me	nonaflo-2-butyl	Me	CF3
15-3880	2,2-đicloetyl	H	Et	H	CN	H	H	CF3	F	heptaflo isopropyl	F	CF3
15-3910	2,2,2-trifloetyl	H	H	H	CN	H	H	CF3	Me	nonaflo-2-butyl	Me	CF3
15-4023	2,2-đicloetyl	H	Et	F	CN	H	H	Cl	F	heptaflo isopropyl	F	Cl
15-4053	2,2,2-trifloetyl	H	H	F	CN	H	H	Cl	Me	nonaflo-2-butyl	Me	I
15-4166	2,2-đicloetyl	H	Et	F	CN	H	H	Cl	F	heptaflo isopropyl	F	OCF3
15-4196	2,2,2-trifloetyl	H	H	F	CN	H	H	Cl	Me	nonaflo-2-butyl	Me	OCF3

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Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
15-4304	2-cloetyl	Me	Me	F	CN	H	H	Cl	H	heptaflo isopropyl	Cl	CF3
15-4311	2,2,2-tricloetyl	H	H	F	CN	H	H	Cl	F	heptaflo isopropyl	Br	CF3
15-4318	1,2-điflo-2-propyl	H	H	F	CN	H	H	Cl	Br	heptaflo isopropyl	Cl	CF3
15-4325	i-butyl	H	H	F	CN	H	H	Cl	Me	nonaflo-2-butyl	H	CF3
15-4326	s-butyl	H	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	Me	CF3
15-4327	vinyl	i-Pr	H	F	CN	H	H	Cl	Et	nonaflo-2-butyl	H	CF3
15-4328	benzyl	H	H	F	CN	H	H	Cl	H	nonaflo-2-butyl	Et	CF3
15-4339	2,2,2-trifloetyl	H	H	F	CN	H	H	Cl	Me	nonaflo-2-butyl	Me	n-C3F7
15-4340	2,2,2-tricloetyl	H	H	F	CN	H	H	Cl	Me	nonaflo-2-butyl	Et	i-C3F7
15-4346	i-propyl	H	H	F	CN	H	H	Cl	Et	nonaflo-2-butyl	Me	n-C3F7
15-4347	1,2-điflo-2-propyl	H	H	F	CN	H	H	Cl	Et	nonaflo-2-butyl	Et	i-C3F7
15-4353	2-cloetyl	H	H	F	CN	H	H	Br	n-Pr	heptaflo isopropyl	Me	CF3
15-4354	2-brometyl	H	H	F	CN	H	H	Br	n-Pr	heptaflo isopropyl	Et	CF3
15-4360	2,2,2-tricloetyl	H	H	F	CN	H	H	Br	i-Pr	heptaflo isopropyl	Me	CF3
15-4361	2,2,2-tribrometyl	H	H	F	CN	H	H	Br	i-Pr	heptaflo isopropyl	Et	CF3
15-4367	1,2-điflo-2-propyl	H	H	F	CN	H	H	Br	n-Bu	heptaflo isopropyl	Me	CF3
15-4368	1,3-điflo-2-propyl	H	H	F	CN	H	H	Br	n-Bu	heptaflo isopropyl	Et	CF3
15-4374	i-butyl	H	H	F	CN	H	H	Br	i-Bu	nonaflo-2-butyl	Me	CF3
15-4375	s-butyl	H	H	F	CN	H	H	Br	i-Bu	nonaflo-2-butyl	Et	CF3
15-4381	2-floetyl	H	H	F	CN	H	H	Br	s-Bu	nonaflo-2-butyl	Me	CF3
15-4382	2-cloetyl	H	H	F	CN	H	H	Br	s-Bu	nonaflo-2-butyl	Et	CF3

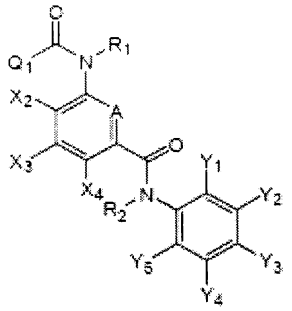
15-4388	2,2,2-trifloetyl	H	H	F	CN	H	H	Br	F	nonaflo-2-butyl	Me	CF3
15-4389	2,2,2-tricloetyl	H	H	F	CN	H	H	Br	F	nonaflo-2-butyl	Et	CF3
15-4395	i-propyl	Et	i-Pr	F	CN	H	H	Br	Cl	nonaflo-2-butyl	Me	CF3
15-4396	1,2-điflo-2-propyl	H	H	F	CN	H	H	Br	Cl	nonaflo-2-butyl	Et	CF3
15-4402	2-iođoetyl	H	H	F	CN	H	H	I	Br	heptaflo isopropyl	Me	CF3
15-4403	2-xyanoetyl	H	H	F	CN	H	H	I	Br	heptaflo isopropyl	Et	CF3
15-4409	n-propyl	n-Pr	Me	F	CN	H	H	I	I	heptaflo isopropyl	Me	CF3
15-4410	3-flo-n-propyl	H	H	F	CN	H	H	I	I	heptaflo isopropyl	Et	CF3
15-4416	1,3-điclo-2-propyl	H	H	F	CN	H	H	I	Me	heptaflo isopropyl	F	C2F5
15-4417	1-clo-3-flo-2-propyl	H	H	F	CN	H	H	I	Me	nonaflo-2-butyl	Cl	CF3
15-4420	4,4,4-triflo-n-butyl	H	H	F	CN	H	H	I	Et	nonaflo-2-butyl	F	CF3
15-4421	i-butyl	H	H	F	CN	H	H	I	Et	nonaflo-2-butyl	Cl	CF3
15-4424	benzyl	H	H	F	CN	H	H	I	n-Pr	nonaflo-2-butyl	F	CF3
15-4425	phenyl	H	H	F	CN	H	H	I	n-Pr	nonaflo-2-butyl	Cl	CF3
15-4428	2-floetyl	H	H	F	CN	H	H	I	i-Pr	nonaflo-2-butyl	F	i-C3F7
15-4429	2-cloetyl	H	H	F	CN	H	H	I	i-Pr	nonaflo-2-butyl	Cl	CF3
15-4432	2-xyanoetyl	H	H	F	CN	H	H	I	n-Bu	nonaflo-2-butyl	F	CF3
15-4433	2,2-đifloetyl	H	H	F	CN	H	H	I	n-Bu	nonaflo-2-butyl	Cl	CF3
15-4436	2,2,2-tricloetyl	H	H	F	CN	H	H	I	i-Bu	nonaflo-2-butyl	F	CF3
15-4437	2,2,2-tribrometyl	H	H	F	CN	H	H	I	i-Bu	nonaflo-2-butyl	Cl	CF3
15-4440	3-clo-n-propyl	i-Pr	n-Pr	F	CN	H	H	I	s-Bu	nonaflo-2-butyl	F	CF3
15-4441	3-brom-n-propyl	H	H	F	CN	H	H	I	s-Bu	nonaflo-2-butyl	Cl	CF3
15-4452	2,2-đicloetyl	H	Et	F	CN	H	H	OCF3	F	heptaflo isopropyl	F	OCF3

15-4482	2,2,2-trifloetyl	H	H	F	CN	H	H	OCF3	Me	nonaflo-2-butyl	Me	OCF3
15-4595	2,2-dicloetyl	H	Et	F	CN	H	H	OCF3	F	heptaflo isopropyl	F	CF3
15-4625	2,2,2-trifloetyl	H	H	F	CN	H	H	OCF3	Me	nonaflo-2-butyl	Me	CF3
15-4738	2,2-dicloetyl	H	Et	F	CN	H	H	CF3	F	heptaflo isopropyl	F	CF3
15-4768	2,2,2-trifloetyl	H	H	F	CN	H	H	CF3	Me	nonaflo-2-butyl	Me	CF3
15-4881	2,2-dicloetyl	H	Et	F	CN	F	H	Cl	F	heptaflo isopropyl	F	Cl
15-4911	2,2,2-trifloetyl	H	H	F	CN	F	H	Cl	Me	nonaflo-2-butyl	Me	I
15-5024	2,2-dicloetyl	H	Et	F	CN	F	H	Cl	F	heptaflo isopropyl	F	OCF3
15-5054	2,2,2-trifloetyl	H	H	F	CN	F	H	Cl	Me	nonaflo-2-butyl	Me	OCF3
15-5163	2-brometyl	H	H	F	CN	F	H	F	Br	heptaflo isopropyl	H	CF3
15-5168	2,2,2-trifloetyl	H	H	F	CN	F	H	Cl	F	heptaflo isopropyl	Cl	CF3
15-5180	3,3,3-triflo-n-propyl	H	H	F	CN	F	H	Cl	I	nonaflo-2-butyl	Cl	CF3
15-5183	i-butyl	H	H	F	CN	F	H	Cl	Me	nonaflo-2-butyl	H	CF3
15-5184	s-butyl	H	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	Me	CF3
15-5185	vinyl	i-Pr	H	F	CN	F	H	Cl	Et	nonaflo-2-butyl	H	CF3
15-5186	benzyl	H	H	F	CN	F	H	Cl	H	nonaflo-2-butyl	Et	CF3
15-5197	2,2,2-trifloetyl	H	H	F	CN	F	H	Cl	Me	nonaflo-2-butyl	Me	n-C3F7
15-5198	2,2,2-tricloetyl	H	H	F	CN	F	H	Cl	Me	nonaflo-2-butyl	Et	i-C3F7
15-5204	i-propyl	H	H	F	CN	F	H	Cl	Et	nonaflo-2-butyl	Me	n-C3F7
15-5205	1,2-diflo-2-propyl	H	H	F	CN	F	H	Cl	Et	nonaflo-2-butyl	Et	i-C3F7

Bảng 15(10)

Số hợp chất	Q2	R1	R2	X1	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
15-5211	2-cloetyl	H	H	F	CN	F	H	Br	n-Pr	heptaflo isopropyl	Me	CF3
15-5212	2-brometyl	H	H	F	CN	F	H	Br	n-Pr	heptaflo isopropyl	Et	CF3
15-5218	2,2,2-tricloetyl	H	H	F	CN	F	H	Br	i-Pr	heptaflo isopropyl	Me	CF3
15-5219	2,2,2-tribrometyl	H	H	F	CN	F	H	Br	i-Pr	heptaflo isopropyl	Et	CF3
15-5225	1,2-điflo-2-propyl	H	H	F	CN	F	H	Br	n-Bu	heptaflo isopropyl	Me	CF3
15-5226	1,3-điflo-2-propyl	H	H	F	CN	F	H	Br	n-Bu	heptaflo isopropyl	Et	CF3
15-5232	i-butyl	H	H	F	CN	F	H	Br	i-Bu	nonaflo-2-butyl	Me	CF3
15-5233	s-butyl	H	H	F	CN	F	H	Br	i-Bu	nonaflo-2-butyl	Et	CF3
15-5239	2-floetyl	H	H	F	CN	F	H	Br	s-Bu	nonaflo-2-butyl	Me	CF3
15-5240	2-cloetyl	H	H	F	CN	F	H	Br	s-Bu	nonaflo-2-butyl	Et	CF3
15-5246	2,2,2-trifloetyl	H	H	F	CN	F	H	Br	F	nonaflo-2-butyl	Me	CF3
15-5247	2,2,2-tricloetyl	H	H	F	CN	F	H	Br	F	nonaflo-2-butyl	Et	CF3
15-5253	i-propyl	Et	i-Pr	F	CN	F	H	Br	Cl	nonaflo-2-butyl	Me	CF3
15-5254	1,2-điflo-2-propyl	H	H	F	CN	F	H	Br	Cl	nonaflo-2-butyl	Et	CF3
15-5260	2-iođoetyl	H	H	F	CN	F	H	I	Br	heptaflo isopropyl	Me	CF3
15-5261	2-xyanoetyl	H	H	F	CN	F	H	I	Br	heptaflo isopropyl	Et	CF3
15-5267	n-propyl	n-Pr	Me	F	CN	F	H	I	I	heptaflo isopropyl	Me	CF3
15-5268	3-flo-n-propyl	H	H	F	CN	F	H	I	I	heptaflo isopropyl	Et	CF3
15-5274	1,3-điclo-2-propyl	H	H	F	CN	F	H	I	Me	heptaflo isopropyl	F	C2F5
15-5275	1-clo-3-flo-2-propyl	H	H	F	CN	F	H	I	Me	nonaflo-2-butyl	Cl	CF3
15-5278	4,4,4-triflo-n-butyl	H	H	F	CN	F	H	I	Et	nonaflo-2-butyl	F	CF3

15-5279	i-butyl	H	H	F	CN	F	H	I	Et	nonaflo-2-butyl	Cl	CF3
15-5282	benzyl	H	H	F	CN	F	H	I	n-Pr	nonaflo-2-butyl	F	CF3
15-5283	phenyl	H	H	F	CN	F	H	I	n-Pr	nonaflo-2-butyl	Cl	CF3
15-5286	2-floetyl	H	H	F	CN	F	H	I	i-Pr	nonaflo-2-butyl	F	i-C3F7
15-5287	2-cloetyl	H	H	F	CN	F	H	I	i-Pr	nonaflo-2-butyl	Cl	CF3
15-5290	2-xyanoetyl	H	H	F	CN	F	H	I	n-Bu	nonaflo-2-butyl	F	CF3
15-5291	2,2-difloetyl	H	H	F	CN	F	H	I	n-Bu	nonaflo-2-butyl	Cl	CF3
15-5294	2,2,2-tricloetyl	H	H	F	CN	F	H	I	i-Bu	nonaflo-2-butyl	F	CF3
15-5295	2,2,2-tribrometyl	H	H	F	CN	F	H	I	i-Bu	nonaflo-2-butyl	Cl	CF3
15-5298	3-clo-n-propyl	i-Pr	n-Pr	F	CN	F	H	I	s-Bu	nonaflo-2-butyl	F	CF3
15-5299	3-brom-n-propyl	H	H	F	CN	F	H	I	s-Bu	nonaflo-2-butyl	Cl	CF3
15-5310	2,2-dicloetyl	H	Et	F	CN	F	H	OCF3	F	heptaflo isopropyl	F	OCF3
15-5340	2,2,2-trifloetyl	H	H	F	CN	F	H	OCF3	Me	nonaflo-2-butyl	Me	OCF3
15-5453	2,2-dicloetyl	H	Et	F	CN	F	H	OCF3	F	heptaflo isopropyl	F	CF3
15-5483	2,2,2-trifloetyl	H	H	F	CN	F	H	OCF3	Me	nonaflo-2-butyl	Me	CF3
15-5596	2,2-dicloetyl	H	Et	F	CN	F	H	CF3	F	heptaflo isopropyl	F	CF3
15-5626	2,2,2-trifloetyl	H	H	F	CN	F	H	CF3	Me	nonaflo-2-butyl	Me	CF3



Bảng 16(1)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
16-1	phenyl	H	H	N	H	H	H	F	H	heptafloisopropyl	H	F
16-2	3-xyanophenyl	H	H	N	H	H	H	F	H	heptafloisopropyl	H	F
16-3	4-xyanophenyl	H	H	N	H	H	H	F	H	heptafloisopropyl	H	F
16-4	2-clopyriđin-3-yl	H	H	N	H	H	H	F	H	heptafloisopropyl	H	F
16-5	phenyl	H	H	N	H	H	H	F	H	nonaflo-2-butyl	H	F
16-6	3-xyanophenyl	H	H	N	H	H	H	F	H	nonaflo-2-butyl	H	F
16-7	4-xyanophenyl	H	H	N	H	H	H	F	H	nonaflo-2-butyl	H	F
16-8	2-clopyriđin-3-yl	H	H	N	H	H	H	F	H	nonaflo-2-butyl	H	F
16-9	phenyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	Cl
16-13	2-clophenyl	H	H	N	H	H	H	F	H	heptafloisopropyl	H	Cl
16-17	3-bromphenyl	H	H	N	H	H	H	F	H	heptafloisopropyl	H	Br
16-20	3-iođophenyl	H	H	N	H	H	H	Cl	H	pentafloetyl	H	Cl
16-22	(2-triflometyl) phenyl	H	H	N	H	H	H	F	H	heptafloisopropyl	H	I
16-25	2-nitrophenyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	Br
16-28	2-xyanophenyl	H	H	N	H	H	H	Cl	H	pentafloetyl	H	Cl
16-29	3-xyanophenyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	Cl
16-30	4-xyanophenyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	Cl
16-31	2,6-điflophenyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	I
16-43	pyriđin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	I
16-44	2-flopyriđin-3-yl	H	H	N	H	H	H	Cl	H	pentafloetyl	H	Cl
16-45	2-clopyriđin-3-yl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	Cl

16-63	5-nitropyriđin-3-yl	H	H	N	H	H	H	Cl	H	pentafloetyl	H	Cl
16-64	5-xyanopyriđin-3-yl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	Cl
16-66	4-clopyriđin-3-yl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	Cl
16-86	4-xyanopyriđin-2-yl	H	H	N	H	H	H	Cl	H	pentafloetyl	H	Cl
16-87	phenyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
16-107	3-xyanophenyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
16-108	4-xyanophenyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
16-123	2-clopyriđin-3-yl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
16-165	phenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	Br
16-166	2-flophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	Br
16-177	4-iođophenyl	H	H	N	H	H	H	Br	H	pentafloetyl	H	Br
16-185	3-xyanophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	Br
16-186	4-xyanophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	Br
16-200	2-flopyriđin-3-yl	H	H	N	H	H	H	Br	H	pentafloetyl	H	Br
16-201	2-clopyriđin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	Br
16-219	5-nitropyriđin-3-yl	H	H	N	H	H	H	Br	H	pentafloetyl	H	Br
16-220	5-xyanopyriđin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	Br
16-221	4-flopyriđin-3-yl	H	H	N	H	H	H	Br	H	pentafloetyl	H	Br
16-242	4-xyanopyriđin-2-yl	H	H	N	H	H	H	Br	H	pentafloetyl	H	Br
16-243	phenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	Br
16-244	2-flophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	Br
16-263	3-xyanophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	Br
16-264	4-xyanophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	Br
16-279	2-clopyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	Br
16-321	phenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	I
16-328	2-bromphenyl	H	H	N	H	H	H	I	H	pentafloetyl	H	I
16-341	3-xyanophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	I
16-342	4-xyanophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	I
16-356	2-flopyriđin-3-yl	H	H	N	H	H	H	I	H	pentafloetyl	H	I

16-357	2-clopyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	I
16-375	5-nitropyriđin-3-yl	H	H	N	H	H	H	I	H	pentafloetyl	H	I
16-399	phenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	I
16-400	2-flophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	I
16-419	3-xyanophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	I

Bảng 16(2)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
16-420	4-xyanophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	I
16-435	2-clopyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	I
16-477	phenyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
16-478	2-flophenyl	H	H	N	H	H	H	Cl	H	pentafloetyl	H	OCF3
16-492	(4-triflometyl) phenyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	OC2F5
16-493	2-nitrophenyl	H	H	N	H	H	H	F	H	heptafloisopropyl	H	OCF3
16-496	2-xyanophenyl	H	H	N	H	H	H	Cl	H	pentafloetyl	H	OC2F5
16-497	3-xyanophenyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
16-498	4-xyanophenyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
16-504	4-brom-2-clophenyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	OC2F5
16-512	2-flopyriđin-3-yl	H	H	N	H	H	H	Cl	H	pentafloetyl	H	OCF3
16-513	2-clopyriđin-3-yl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
16-555	phenyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
16-565	2-iođophenyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
16-571	2-nitrophenyl	H	H	N	H	H	H	F	H	nonaflo-2-butyl	H	OCF3
16-572	3-nitrophenyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
16-573	4-nitrophenyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
16-581	2-clo-4,5-điflophenyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OC2F5
16-591	2-clopyriđin-3-yl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
16-597	6-flopyriđin-3-yl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OC2F5
16-633	phenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	OCF3

16-646	(2-triflometyl) phenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	OCF3
16-653	3-xyanophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	OCF3
16-654	4-xyanophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	OCF3
16-669	2-clopyriđin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	OCF3
16-676	6-clopyriđin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	OCF3
16-711	phenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
16-731	3-xyanophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
16-732	4-xyanophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
16-745	pyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
16-747	2-clopyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
16-789	phenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	OCF3
16-794	3-clophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	OCF3
16-809	3-xyanophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	OCF3
16-810	4-xyanophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	OCF3
16-825	2-clopyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	OCF3
16-867	phenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
16-887	3-xyanophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
16-888	4-xyanophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
16-903	2-clopyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
16-945	phenyl	H	H	N	H	H	H	F	H	heptafloisopropyl	H	CF3
16-946	phenyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	CF3
16-947	2-flophenyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	CF3
16-958	4-iođophenyl	H	H	N	H	H	H	Cl	H	pentafloetyl	H	CF3
16-965	2-xyanophenyl	H	H	N	H	H	H	Cl	H	pentafloetyl	H	C2F5
16-966	3-xyanophenyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	CF3

16-967	4-xyanophenyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	CF3
16-970	2,4-diclophenyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	C2F5
16-974	2-brom-4-clophenyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
16-981	2-flopyriđin-3-yl	H	H	N	H	H	H	Cl	H	pentafloetyl	H	CF3
16-982	2-clopyriđin-3-yl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	CF3
16-995	5-flopyriđin-3-yl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	C2F5
16-997	5-brompyriđin-3-yl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
16-998	5-iodopyriđin-3-yl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	i-C3F7
16-1000	5-nitropyridin-3-yl	H	H	N	H	H	H	Cl	H	pentafloetyl	H	CF3
16-1002	4-flopyriđin-3-yl	H	H	N	H	H	H	Cl	H	pentafloetyl	H	CF3
16-1004	4-brompyriđin-3-yl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
16-1023	4-xyanopyriđin-2-yl	H	H	N	H	H	H	Cl	H	pentafloetyl	H	CF3
16-1024	phenyl	H	H	N	H	H	H	F	H	nonaflo-2-butyl	H	CF3
16-1025	phenyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
16-1038	(2-triflometyl) phenyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
16-1045	3-xyanophenyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
16-1046	4-xyanophenyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
16-1055	2-clo-4-nitrophenyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
16-1061	2-clopyriđin-3-yl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3

Bảng 16(3)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
16-1074	5-flopyriđin-3-yl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
16-1076	5-brompyriđin-3-yl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
16-1077	5-iođopyriđin-3-yl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
16-1081	4-flopyriđin-3-yl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
16-1085	4-(triflometyl)pyriđin-3-yl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
16-1086	4-nitropyriđin-3-yl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
16-1102	4-xyanopyriđin-2-yl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
16-1103	phenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1104	2-flophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1105	3-flophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1106	4-flophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1107	2-clophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1108	3-clophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1109	4-clophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1110	2-bromphenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1111	3-bromphenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1112	4-bromphenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1113	2-iođophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1114	3-iođophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1115	4-iođophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1116	(2-triflometyl)phenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1117	(3-triflometyl)phenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1118	(4-triflometyl)phenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1119	2-nitrophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1120	3-nitrophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1121	4-nitrophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1122	2-xyanophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3

16-1123	3-xyanophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1124	4-xyanophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1125	2,6-diflophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1126	3,4-diclophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1127	2,4-diclophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1128	2-clo-4-flophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1129	2-clo-4,5-diflophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1130	4-brom-2-clophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1131	2-brom-4-clophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1132	2-brom-4-flophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1133	2-clo-4-nitrophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1134	3,5-dixyanophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1135	4-xyano-2-flophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1136	2-clo-4-xyanophenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1137	pyridin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1138	2-flopyridin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1139	2-clopyridin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1140	2-brompyridin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1141	2-iodopyridin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1142	2-(triflometyl)pyridin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1143	2-nitropyridin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1144	2-xyanopyridin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1145	6-flopyridin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1146	6-clopyridin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1147	6-brompyridin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1148	6-iodopyridin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1149	6-(triflometyl)pyridin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1150	6-nitropyridin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1151	6-xyanopyridin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3

16-1152	5-flopyriđin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1153	5-clopyriđin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1154	5-brompyriđin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1155	5-iođopyriđin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1156	5-(triflometyl)pyriđin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1157	5-nitropyriđin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1158	5-xyanopyriđin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3

Bảng 16(4)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
16-1159	4-flopyriđin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1160	4-clopyriđin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1161	4-brompyriđin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1162	4-iođopyriđin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1163	4-(triflometyl)pyriđin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1164	4-nitropyriđin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1165	4-xyanopyriđin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1166	2,6-điclopyriđin-3-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1167	pyriđin-3-yl N-oxit	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1168	pyriđin-4-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1169	2-clopyriđin-4-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1170	3-brompyriđin-4-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1171	3,5-điclopyriđin-4-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1172	3-(triflometyl)pyriđin-4-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1173	2,6-đixyanopyriđin-4-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1174	pyriđin-4-yl N-oxit	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1175	pyriđin-2-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1176	3-clopyriđin-2-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1177	4-brompyriđin-2-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1178	5-iođopyriđin-2-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1179	6-clopyriđin-2-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1180	4-xyanopyriđin-2-yl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-1181	phenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1182	2-flophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3

16-1183	3-flophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1184	4-flophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1185	2-clophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1186	3-clophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1187	4-clophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1188	2-bromphenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1189	3-bromphenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1190	4-bromphenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1191	2-iodophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1192	3-iodophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1193	4-iodophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1194	(2-triflometyl)phenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1195	(3-triflometyl)phenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1196	(4-triflometyl)phenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1197	2-nitrophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1198	3-nitrophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1199	4-nitrophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1200	2-xyanophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1201	3-xyanophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1202	4-xyanophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1203	2,6-diflophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1204	3,4-diclophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1205	2,4-diclophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1206	2-clo-4-flophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1207	2-clo-4,5-diflophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1208	4-brom-2-clophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3

16-1209	2-brom-4-clophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1210	2-brom-4-flophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1211	2-clo-4-nitrophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1212	3,5-dixyanophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1213	4-xyano-2-flophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1214	2-clo-4-xyanophenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1215	pyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1216	2-flopyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1217	2-clopyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1218	2-brompyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1219	2-iođopyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1220	2-(triflometyl)pyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1221	2-nitropyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1222	2-xyanopyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3

Bảng 16(5)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
16-1223	6-flopyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1224	6-clopyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1225	6-brompyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1226	6-iođopyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1227	6-(triflometyl) pyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1228	6-nitropyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1229	6-xyanopyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1230	5-flopyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1231	5-clopyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1232	5-brompyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1233	5-iođopyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1234	5-(triflometyl) pyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1235	5-nitropyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1236	5-xyanopyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1237	4-flopyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1238	4-clopyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1239	4-brompyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1240	4-iođopyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1241	4-(triflometyl) pyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3

16-1242	4-nitropyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1243	4-xyanopyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1244	2,6-điclopyriđin-3-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1245	pyriđin-3-yl N-oxit	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1246	pyriđin-4-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1247	2-clopyriđin-4-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1248	3-brompyriđin-4-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1249	3,5-điclopyriđin-4-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1250	3-(triflometyl) pyriđin-4-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1251	2,6-đixyanopyriđin-4-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1252	pyriđin-4-yl N-oxit	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1253	pyriđin-2-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1254	3-clopyriđin-2-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1255	4-brompyriđin-2-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1256	5-iođopyriđin-2-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1257	6-clopyriđin-2-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1258	4-xyanopyriđin-2-yl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-1259	phenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1260	2-flophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1261	3-flophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1262	4-flophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1263	2-clophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1264	3-clophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3

16-1265	4-clophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1266	2-bromphenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1267	3-bromphenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1268	4-bromphenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1269	2-iođophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1270	3-iođophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1271	4-iođophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1272	(2-triflometyl)phenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1273	(3-triflometyl)phenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1274	(4-triflometyl)phenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1275	2-nitrophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1276	3-nitrophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1277	4-nitrophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1278	2-xyanophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1279	3-xyanophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1280	4-xyanophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1281	2,6-điflophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1282	3,4-điclophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1283	2,4-điclophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1284	2-clo-4-flophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1285	2-clo-4,5-điflophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1286	4-brom-2-clophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3

Bảng 16(6)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
16-1287	2-brom-4-clophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1288	2-brom-4-flophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1289	2-clo-4-nitrophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1290	3,5-đixyanophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1291	4-xyano-2-flophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1292	2-clo-4-xyanophenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1293	pyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1294	2-flopyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1295	2-clopyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1296	2-brompyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1297	2-iođopyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1298	2-(triflometyl) pyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1299	2-nitropyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1300	2-xyanopyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1301	6-flopyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1302	6-clopyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1303	6-brompyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1304	6-iođopyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1305	6-(triflometyl) pyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1306	6-nitropyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1307	6-xyanopyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1308	5-flopyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3

16-1309	5-clopyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1310	5-brompyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1311	5-iođopyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1312	5-(triflometyl) pyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1313	5-nitropyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1314	5-xyanopyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1315	4-flopyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1316	4-clopyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1317	4-brompyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1318	4-iođopyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1319	4-(triflometyl) pyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1320	4-nitropyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1321	4-xyanopyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1322	2,6-điclopyriđin-3-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1323	pyriđin-3-yl N-oxit	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1324	pyriđin-4-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1325	2-clopyriđin-4-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1326	3-brompyriđin-4-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1327	3,5-điclopyriđin-4-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1328	3-(triflometyl) pyriđin-4-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1329	2,6-đixyano pyriđin-4-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1330	pyriđin-4-yl N-oxit	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1331	pyriđin-2-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3

16-1332	3-clopyriđin-2-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1333	4-brompyriđin-2-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1334	5-iođopyriđin-2-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1335	6-clopyriđin-2-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1336	4-xyanopyriđin-2-yl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
16-1337	phenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1338	2-flophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1339	3-flophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1340	4-flophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1341	2-clophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1342	3-clophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1343	4-clophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1344	2-bromphenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1345	3-bromphenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1346	4-bromphenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1347	2-iođophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1348	3-iođophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1349	4-iođophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1350	(2-triflometyl) phenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 16(7)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
16-1351	(3-triflometyl)phenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1352	(4-triflometyl)phenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1353	2-nitrophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1354	3-nitrophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1355	4-nitrophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1356	2-xyanophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1357	3-xyanophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1358	4-xyanophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1359	2,6-điflophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1360	3,4-điclophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1361	2,4-điclophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1362	2-clo-4-flophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1363	2-clo-4,5-điflophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1364	4-brom-2-clophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1365	2-brom-4-clophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1366	2-brom-4-flophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1367	2-clo-4-nitrophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1368	3,5-đixyanophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1369	4-xyano-2-flophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1370	2-clo-4-xyanophenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1371	pyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1372	2-flopyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3

16-1373	2-clopyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1374	2-brompyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1375	2-iođopyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1376	2-(triflometyl) pyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1377	2-nitropyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1378	2-xyanopyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1379	6-flopyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1380	6-clopyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1381	6-brompyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1382	6-iođopyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1383	6-(triflometyl) pyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1384	6-nitropyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1385	6-xyanopyridin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1386	5-flopyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1387	5-clopyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1388	5-brompyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1389	5-iođopyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1390	5-(triflometyl) pyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1391	5-nitropyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1392	5-xyanopyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1393	4-flopyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1394	4-clopyridin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1395	4-brompyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3

16-1396	4-iodopyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1397	4-(triflometyl) pyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1398	4-nitropyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1399	4-xyanopyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1400	2,6-điclopyriđin-3-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1401	pyriđin-3-yl N-oxit	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1402	pyriđin-4-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1403	2-clopyriđin-4-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1404	3-brompyriđin-4-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1405	3,5-điclopyriđin-4-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1406	3-(triflometyl) pyriđin-4-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1407	2,6-đixyanopyriđin-4-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1408	pyriđin-4-yl N-oxit	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1409	pyriđin-2-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1410	3-clopyriđin-2-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1411	4-brompyriđin-2-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1412	5-iodopyriđin-2-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1413	6-clopyriđin-2-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 16(8)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
16-1414	4-xyanopyriđin-2-yl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-1415	phenyl	H	H	N	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
16-1422	2-bromphenyl	H	H	N	H	H	H	OCF3	H	heptafloisopropyl	H	OC2F5
16-1427	4-iođophenyl	H	H	N	H	H	H	OCF3	H	pentafloetyl	H	OCF3
16-1430	3-xyanophenyl	H	H	N	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
16-1431	4-xyanophenyl	H	H	N	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
16-1436	2-clo-4,5-điflophenyl	H	H	N	H	H	H	OC2F5	H	heptafloisopropyl	H	OC2F5
16-1439	2-brom-4-flophenyl	H	H	N	H	H	H	OC2F5	H	heptafloisopropyl	H	OCF3
16-1445	2-flopyriđin-3-yl	H	H	N	H	H	H	OCF3	H	pentafloetyl	H	OCF3
16-1446	2-clopyriđin-3-yl	H	H	N	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
16-1471	phenyl	H	H	N	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
16-1478	2-bromphenyl	H	H	N	H	H	H	OC2F5	H	nonaflo-2-butyl	H	OCF3
16-1484	(2-triflometyl) phenyl	H	H	N	H	H	H	OCF3	H	nonaflo-2-butyl	H	OC2F5
16-1486	3-xyanophenyl	H	H	N	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
16-1487	4-xyanophenyl	H	H	N	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
16-1493	4-brom-2-clophenyl	H	H	N	H	H	H	OC2F5	H	nonaflo-2-butyl	H	OC2F5
16-1502	2-clopyriđin-3-yl	H	H	N	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
16-1527	phenyl	H	H	N	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
16-1534	2-bromphenyl	H	H	N	H	H	H	CF3	H	heptafloisopropyl	H	OC2F5
16-1539	4-iođophenyl	H	H	N	H	H	H	CF3	H	pentafloetyl	H	OCF3
16-1540	(2-triflometyl) phenyl	H	H	N	H	H	H	C2F5	H	heptafloisopropyl	H	OC2F5
16-1542	3-xyanophenyl	H	H	N	H	H	H	CF3	H	heptafloisopropyl	H	OCF3

16-1543	4-xyanophenyl	H	H	N	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
16-1550	2-brom-4-clophenyl	H	H	N	H	H	H	n-C3F7	H	heptafloisopropyl	H	OCF3
16-1554	4-xyano-2-flophenyl	H	H	N	H	H	H	i-C3F7	H	heptafloisopropyl	H	OCF3
16-1558	2-clopyriđin-3-yl	H	H	N	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
16-1564	6-clopyriđin-3-yl	H	H	N	H	H	H	n-C3F7	H	heptafloisopropyl	H	OC2F5
16-1567	5-xyanopyriđin-3-yl	H	H	N	H	H	H	i-C3F7	H	heptafloisopropyl	H	OC2F5
16-1568	4-clopyriđin-3-yl	H	H	N	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
16-1583	phenyl	H	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
16-1594	3-iođophenyl	H	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	OC2F5
16-1597	3-nitrophenyl	H	H	N	H	H	H	C2F5	H	nonaflo-2-butyl	H	OCF3
16-1598	3-xyanophenyl	H	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
16-1599	4-xyanophenyl	H	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
16-1605	4-brom-2-clophenyl	H	H	N	H	H	H	i-C3F7	H	nonaflo-2-butyl	H	OCF3
16-1608	2-clo-4-nitrophenyl	H	H	N	H	H	H	n-C3F7	H	nonaflo-2-butyl	H	OCF3
16-1614	2-clopyriđin-3-yl	H	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
16-1615	2-brompyriđin-3-yl	H	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
16-1616	2-iođopyriđin-3-yl	H	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
16-1617	2-(triflometyl) pyriđin-3-yl	H	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
16-1618	2-nitropyriđin-3-yl	H	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
16-1619	2-xyanopyriđin-3-yl	H	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
16-1620	6-clopyriđin-3-yl	H	H	N	H	H	H	C2F5	H	nonaflo-2-butyl	H	OC2F5
16-1625	4-xyanopyriđin-3-yl	H	H	N	H	H	H	n-C3F7	H	nonaflo-2-butyl	H	OC2F5
16-1636	5-iođopyriđin-2-yl	H	H	N	H	H	H	i-C3F7	H	nonaflo-2-butyl	H	OC2F5

16-1639	phenyl	H	H	N	H	H	H	CF3	H	heptafloisopropyl	H	CF3
16-1640	2-flophenyl	H	H	N	H	H	H	CF3	H	heptafloisopropyl	H	CF3
16-1651	4-ioðophenyl	H	H	N	H	H	H	CF3	H	pentafloetyl	H	CF3
16-1653	(3-triflometyl) phenyl	H	H	N	H	H	H	C2F5	H	heptafloisopropyl	H	CF3
16-1658	2-xyanophenyl	H	H	N	H	H	H	CF3	H	pentafloetyl	H	CF3
16-1659	3-xyanophenyl	H	H	N	H	H	H	CF3	H	heptafloisopropyl	H	CF3
16-1660	4-xyanophenyl	H	H	N	H	H	H	CF3	H	heptafloisopropyl	H	CF3
16-1666	4-brom-2-clophenyl	H	H	N	H	H	H	n-C3F7	H	heptafloisopropyl	H	CF3
16-1671	4-xyano-2-flophenyl	H	H	N	H	H	H	i-C3F7	H	heptafloisopropyl	H	CF3
16-1675	2-clopyriðin-3-yl	H	H	N	H	H	H	CF3	H	heptafloisopropyl	H	CF3
16-1676	2-brompyriðin-3-yl	H	H	N	H	H	H	C2F5	H	heptafloisopropyl	H	C2F5
16-1677	2-ioðopyriðin-3-yl	H	H	N	H	H	H	CF3	H	heptafloisopropyl	H	CF3
16-1678	2-(triflometyl) pyriðin-3-yl	H	H	N	H	H	H	CF3	H	heptafloisopropyl	H	CF3
16-1679	2-nitropyriðin-3-yl	H	H	N	H	H	H	CF3	H	heptafloisopropyl	H	CF3
16-1680	2-xyanopyriðin-3-yl	H	H	N	H	H	H	CF3	H	heptafloisopropyl	H	CF3
16-1681	6-flopyriðin-3-yl	H	H	N	H	H	H	CF3	H	heptafloisopropyl	H	CF3
16-1682	6-clopyriðin-3-yl	H	H	N	H	H	H	C2F5	H	heptafloisopropyl	H	n-C3F7
16-1691	4-xyanopyriðin-3-yl	H	H	N	H	H	H	C2F5	H	heptafloisopropyl	H	i-C3F7
16-1707	phenyl	H	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
16-1708	2-flophenyl	H	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3

Bảng 16(9)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
16-1719	4-iođophenyl	H	H	N	H	H	H	C2F5	H	nonaflo-2-butyl	H	CF3
16-1727	3-xyanophenyl	H	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
16-1728	4-xyanophenyl	H	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
16-1734	4-brom-2-clophenyl	H	H	N	H	H	H	n-C3F7	H	nonaflo-2-butyl	H	CF3
16-1739	4-xyano-2-flophenyl	H	H	N	H	H	H	i-C3F7	H	nonaflo-2-butyl	H	CF3
16-1743	2-clopyriđin-3-yl	H	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
16-1744	2-brompyriđin-3-yl	H	H	N	H	H	H	C2F5	H	nonaflo-2-butyl	H	C2F5
16-1755	6-xyanopyriđin-3-yl	H	H	N	H	H	H	C2F5	H	nonaflo-2-butyl	H	n-C3F7
16-1759	4-xyanopyriđin-3-yl	H	H	N	H	H	H	C2F5	H	nonaflo-2-butyl	H	i-C3F7
16-1775	phenyl	H	H	N-oxit	H	H	H	F	H	heptafloisopropyl	H	F
16-1776	3-xyanophenyl	H	H	N-oxit	H	H	H	F	H	heptafloisopropyl	H	F
16-1777	4-xyanophenyl	H	H	N-oxit	H	H	H	F	H	heptafloisopropyl	H	F
16-1778	2-clopyriđin-3-yl	H	H	N-oxit	H	H	H	F	H	heptafloisopropyl	H	F
16-1779	phenyl	H	H	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	F
16-1780	3-xyanophenyl	H	H	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	F
16-1781	4-xyanophenyl	H	H	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	F
16-1782	2-clopyriđin-3-yl	H	H	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	F
16-1783	phenyl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	Cl
16-1787	2-clophenyl	H	H	N-oxit	H	H	H	F	H	heptafloisopropyl	H	Cl
16-1791	3-bromphenyl	H	H	N-oxit	H	H	H	F	H	heptafloisopropyl	H	Br
16-1795	4-iođophenyl	H	H	N-oxit	H	H	H	Cl	H	pentafloetyl	H	Cl
16-1796	(2-triflometyl) phenyl	H	H	N-oxit	H	H	H	F	H	heptafloisopropyl	H	I

16-1799	2-nitrophenyl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	Br
16-1803	3-xyanophenyl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	Cl
16-1804	4-xyanophenyl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	Cl
16-1805	2,6-điflophenyl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	I
16-1817	pyriđin-3-yl	H	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	I
16-1818	2-flopyriđin-3-yl	H	H	N-oxit	H	H	H	Cl	H	pentafloetyl	H	Cl
16-1819	2-clopyriđin-3-yl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	Cl
16-1861	phenyl	H	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
16-1881	3-xyanophenyl	H	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
16-1882	4-xyanophenyl	H	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
16-1897	2-clopyriđin-3-yl	H	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
16-1939	phenyl	H	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	Br
16-1951	4-iođophenyl	H	H	N-oxit	H	H	H	Br	H	pentafloetyl	H	Br
16-1959	3-xyanophenyl	H	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	Br
16-1960	4-xyanophenyl	H	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	Br
16-1973	pyriđin-3-yl	H	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	Br
16-1975	2-clopyriđin-3-yl	H	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	Br
16-1982	6-clopyriđin-3-yl	H	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	Br
16-2017	phenyl	H	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	Br
16-2037	3-xyanophenyl	H	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	Br
16-2038	4-xyanophenyl	H	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	Br
16-2053	2-clopyriđin-3-yl	H	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	Br
16-2095	phenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	I

16-2107	4-iodophenyl	H	H	N-oxit	H	H	H	I	H	pentafloetyl	H	I
16-2115	3-xyanophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	I
16-2116	4-xyanophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	I
16-2131	2-clopyridin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	I
16-2160	pyridin-4-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	I
16-2173	phenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	I
16-2193	3-xyanophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	I
16-2194	4-xyanophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	I
16-2209	2-clopyridin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	I
16-2251	phenyl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
16-2263	4-iodophenyl	H	H	N-oxit	H	H	H	Cl	H	pentafloetyl	H	OCF3
16-2266	(4-triflometyl) phenyl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	OC2F5
16-2267	2-nitrophenyl	H	H	N-oxit	H	H	H	F	H	heptafloisopropyl	H	OCF3
16-2270	2-xyanophenyl	H	H	N-oxit	H	H	H	Cl	H	pentafloetyl	H	OC2F5
16-2271	3-xyanophenyl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
16-2272	4-xyanophenyl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
16-2287	2-clopyridin-3-yl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
16-2329	phenyl	H	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
16-2345	2-nitrophenyl	H	H	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	OCF3

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Số hợp chất	Q1	R1	R 2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
16-2349	3-xyanophenyl	H	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
16-2350	4-xyanophenyl	H	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
16-2365	2-clopyriđin-3-yl	H	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
16-2407	phenyl	H	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	OCF3
16-2427	3-xyanophenyl	H	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	OCF3
16-2428	4-xyanophenyl	H	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	OCF3
16-2444	2-brompyriđin-3-yl	H	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	OCF3
16-2485	phenyl	H	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
16-2505	3-xyanophenyl	H	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
16-2506	4-xyanophenyl	H	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
16-2521	2-clopyriđin-3-yl	H	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
16-2563	phenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	OCF3
16-2583	3-xyanophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	OCF3
16-2584	4-xyanophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	OCF3
16-2599	2-clopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	OCF3
16-2641	phenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
16-2661	3-xyanophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
16-2662	4-xyanophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
16-2677	2-clopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
16-2719	phenyl	H	H	N-oxit	H	H	H	F	H	heptafloisopropyl	H	CF3
16-2720	phenyl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	CF3
16-2721	2-flophenyl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	CF3

16-2732	4-iodophenyl	H	H	N-oxit	H	H	H	Cl	H	pentafloetyl	H	CF3
16-2739	2-xyanophenyl	H	H	N-oxit	H	H	H	Cl	H	pentafloetyl	H	C2F5
16-2740	3-xyanophenyl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	CF3
16-2741	4-xyanophenyl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	CF3
16-2744	2,4-diclophenyl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	C2F5
16-2745	2-clo-4-flophenyl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	CF3
16-2748	2-brom-4-clophenyl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
16-2756	2-clopyridin-3-yl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	CF3
16-2769	5-flopyridin-3-yl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	C2F5
16-2771	5-brompyridin-3-yl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
16-2772	5-iodopyridin-3-yl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	i-C3F7
16-2774	5-nitropyridin-3-yl	H	H	N-oxit	H	H	H	Cl	H	pentafloetyl	H	CF3
16-2776	4-flopyridin-3-yl	H	H	N-oxit	H	H	H	Cl	H	pentafloetyl	H	CF3
16-2778	4-brompyridin-3-yl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
16-2779	4-iodopyridin-3-yl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	i-C3F7
16-2796	6-clopyridin-2-yl	H	H	N-oxit	H	H	H	Cl	H	pentafloetyl	H	CF3
16-2798	phenyl	H	H	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	CF3
16-2799	phenyl	H	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
16-2811	4-iodophenyl	H	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
16-2812	(2-triflometyl) phenyl	H	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
16-2819	3-xyanophenyl	H	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
16-2820	4-xyanophenyl	H	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
16-2829	2-clo-4-nitrophenyl	H	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7

16-2835	2-clopyriđin-3-yl	H	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
16-2848	5-flopyriđin-3-yl	H	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
16-2850	5-brompyriđin-3-yl	H	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
16-2851	5-iođopyriđin-3-yl	H	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
16-2855	4-flopyriđin-3-yl	H	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
16-2859	4-(triflometyl) pyriđin-3-yl	H	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
16-2860	4-nitropyriđin-3-yl	H	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
16-2877	phenyl	H	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-2878	2-flophenyl	H	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-2897	3-xyanophenyl	H	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-2898	4-xyanophenyl	H	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-2913	2-clopyriđin-3-yl	H	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-2920	6-clopyriđin-3-yl	H	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-2942	pyriđin-4-yl	H	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	CF3
16-2955	phenyl	H	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-2963	3-bromphenyl	H	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-2969	(3-triflometyl) phenyl	H	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-2975	3-xyanophenyl	H	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-2976	4-xyanophenyl	H	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3

Bảng 16(11)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
16-2991	2-clopyriđin-3-yl	H	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-2998	6-clopyriđin-3-yl	H	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-3005	5-clopyriđin-3-yl	H	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-3020	pyriđin-4-yl	H	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
16-3033	phenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3034	2-flophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3035	3-flophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3036	4-flophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3037	2-clophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3038	3-clophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3039	4-clophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3040	2-bromphenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3041	3-bromphenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3042	4-bromphenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3043	2-iođophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3044	3-iođophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3045	4-iođophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3046	(2-triflometyl) phenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3047	(3-triflometyl) phenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3048	(4-triflometyl) phenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3049	2-nitrophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3

16-3050	3-nitrophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3051	4-nitrophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3052	2-xyanophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3053	3-xyanophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3054	4-xyanophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3055	2,6-điflophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3056	3,4-điclophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3057	2,4-điclophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3058	2-clo-4-flophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3059	2-clo-4,5-điflophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3060	4-brom-2-clophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3061	2-brom-4-clophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3062	2-brom-4-flophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3063	2-clo-4-nitrophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3064	3,5-đixyanophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3065	4-xyano-2-flophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3066	2-clo-4-xyanophenyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3067	pyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3068	2-flopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3069	2-clopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3070	2-brompyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3071	2-iođopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3072	2-(triflometyl) pyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3

16-3073	2-nitropyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3074	2-xyanopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3075	6-flopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3076	6-clopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3077	6-brompyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3078	6-iođopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3079	6-(triflometyl) pyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3080	6-nitropyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3081	6-xyanopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3082	5-flopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3083	5-clopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3084	5-brompyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3085	5-iođopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3086	5-(triflometyl) pyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3087	5-nitropyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3088	5-xyanopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3089	4-flopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3090	4-clopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3091	4-brompyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3092	4-iođopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3

Bảng 16(12)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
16-3093	4-(triflometyl) pyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3094	4-nitropyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3095	4-xyanopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3096	2,6-điclopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3097	pyriđin-3-yl N-oxit	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3098	pyriđin-4-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3099	2-clopyriđin-4-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3100	3-brompyriđin-4-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3101	3,5-điclopyriđin-4-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3102	3-(triflometyl) pyriđin-4-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3103	2,6-đixyanopyriđin-4-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3104	pyriđin-4-yl N-oxit	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3105	pyriđin-2-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3106	3-clopyriđin-2-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3107	4-brompyriđin-2-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3108	5-iođopyriđin-2-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3109	6-clopyriđin-2-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3110	4-xyanopyriđin-2-yl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
16-3111	phenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3112	2-flophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3113	3-flophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3114	4-flophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3

16-3115	2-clophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3116	3-clophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3117	4-clophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3118	2-bromphenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3119	3-bromphenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3120	4-bromphenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3121	2-iodophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3122	3-iodophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3123	4-iodophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3124	(2-triflometyl) phenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3125	(3-triflometyl) phenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3126	(4-triflometyl) phenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3127	2-nitrophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3128	3-nitrophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3129	4-nitrophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3130	2-xyanophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3131	3-xyanophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3132	4-xyanophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3133	2,6-diflophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3134	3,4-diclophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3135	2,4-diclophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3136	2-clo-4-flophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3137	2-clo-4,5-diflophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3

16-3138	4-brom-2-clophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3139	2-brom-4-clophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3140	2-brom-4-flophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3141	2-clo-4-nitrophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3142	3,5-đixyanophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3143	4-xyano-2-flophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3144	2-clo-4-xyanophenyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3145	pyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3146	2-flopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3147	2-clopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3148	2-brompyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3149	2-iođopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3150	2-(triflometyl) pyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3151	2-nitropyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3152	2-xyanopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3153	6-flopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3154	6-clopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3155	6-brompyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3156	6-iođopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 16(13)

Số hợp chất	Q1	R 1	R 2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
16-3157	6-(triflometyl) pyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3158	6-nitropyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3159	6-xyanopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3160	5-flopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3161	5-clopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3162	5-brompyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3163	5-iođopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3164	5-(triflometyl) pyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3165	5-nitropyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3166	5-xyanopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3167	4-flopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3168	4-clopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3169	4-brompyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3170	4-iođopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3171	4-(triflometyl) pyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3172	4-nitropyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3173	4-xyanopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3174	2,6-điclopyriđin-3-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3175	pyriđin-3-yl N-oxit	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3176	pyriđin-4-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3177	2-clopyriđin-4-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3178	3-brompyriđin-4-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3

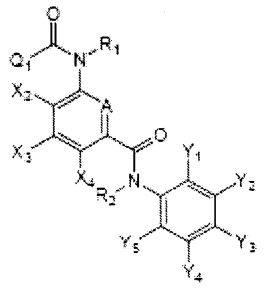
16-3179	3,5-điclopyriđin-4-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3180	3-(triflometyl) pyriđin-4-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3181	2,6-đixyanopyriđin-4-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3182	pyriđin-4-yl N-oxit	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3183	pyriđin-2-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3184	3-clopyriđin-2-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3185	4-brompyriđin-2-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3186	5-iođopyriđin-2-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3187	6-clopyriđin-2-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3188	4-xyanopyriđin-2-yl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
16-3189	phenyl	H	H	N-oxit	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
16-3196	2-bromphenyl	H	H	N-oxit	H	H	H	OCF3	H	heptafloisopropyl	H	OC2F5
16-3201	4-iođophenyl	H	H	N-oxit	H	H	H	OCF3	H	pentafloetyl	H	OCF3
16-3204	3-xyanophenyl	H	H	N-oxit	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
16-3205	4-xyanophenyl	H	H	N-oxit	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
16-3213	2-brom-4-flophenyl	H	H	N-oxit	H	H	H	OC2F5	H	heptafloisopropyl	H	OCF3
16-3220	2-clopyriđin-3-yl	H	H	N-oxit	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
16-3229	5-xyanopyriđin-3-yl	H	H	N-oxit	H	H	H	OC2F5	H	heptafloisopropyl	H	OC2F5
16-3231	4-xyanopyriđin-3-yl	H	H	N-oxit	H	H	H	OCF3	H	heptafloisopropyl	H	OC2F5
16-3245	phenyl	H	H	N-oxit	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
16-3252	2-bromphenyl	H	H	N-oxit	H	H	H	OC2F5	H	nonaflo-2-butyl	H	OCF3
16-3258	(2-triflometyl) phenyl	H	H	N-oxit	H	H	H	OCF3	H	nonaflo-2-butyl	H	OC2F5
16-3260	3-xyanophenyl	H	H	N-oxit	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3

16-3261	4-xyanophenyl	H	H	N-oxit	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
16-3276	2-clopyriđin-3-yl	H	H	N-oxit	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
16-3283	6-xyanopyriđin-3-yl	H	H	N-oxit	H	H	H	OC2F5	H	nonaflo-2-butyl	H	OCF3
16-3284	5-clopyriđin-3-yl	H	H	N-oxit	H	H	H	OCF3	H	nonaflo-2-butyl	H	OC2F5
16-3301	phenyl	H	H	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
16-3308	2-bromphenyl	H	H	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	OC2F5
16-3313	4-iođophenyl	H	H	N-oxit	H	H	H	CF3	H	pentafloetyl	H	OCF3
16-3314	(2-triflometyl) phenyl	H	H	N-oxit	H	H	H	C2F5	H	heptafloisopropyl	H	OC2F5
16-3315	3-nitrophenyl	H	H	N-oxit	H	H	H	C2F5	H	heptafloisopropyl	H	OCF3
16-3316	3-xyanophenyl	H	H	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
16-3317	4-xyanophenyl	H	H	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
16-3324	2-brom-4-clophenyl	H	H	N-oxit	H	H	H	n-C3F7	H	heptafloisopropyl	H	OCF3
16-3328	4-xyano-2-flophenyl	H	H	N-oxit	H	H	H	i-C3F7	H	heptafloisopropyl	H	OCF3
16-3332	2-clopyriđin-3-yl	H	H	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
16-3338	6-clopyriđin-3-yl	H	H	N-oxit	H	H	H	n-C3F7	H	heptafloisopropyl	H	OC2F5
16-3341	5-xyanopyriđin-3-yl	H	H	N-oxit	H	H	H	i-C3F7	H	heptafloisopropyl	H	OC2F5
16-3357	phenyl	H	H	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
16-3368	3-iođophenyl	H	H	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	OC2F5
16-3371	3-nitrophenyl	H	H	N-oxit	H	H	H	C2F5	H	nonaflo-2-butyl	H	OCF3

Bảng 16(14)

Số hợp chất	Q1	R1	R2	A	X 2	X 3	X 4	Y1	Y2	Y3	Y4	Y5
16-3372	3-xyanophenyl	H	H	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
16-3373	4-xyanophenyl	H	H	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
16-3379	4-brom-2-clophenyl	H	H	N-oxit	H	H	H	i-C3F7	H	nonaflo-2-butyl	H	OCF3
16-3382	2-clo-4-nitrophenyl	H	H	N-oxit	H	H	H	n-C3F7	H	nonaflo-2-butyl	H	OCF3
16-3388	2-clopyriđin-3-yl	H	H	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
16-3397	5-xyano pyriđin-3-yl	H	H	N-oxit	H	H	H	C2F5	H	nonaflo-2-butyl	H	OC2F5
16-3399	4-xyano pyriđin-3-yl	H	H	N-oxit	H	H	H	n-C3F7	H	nonaflo-2-butyl	H	OC2F5
16-3410	5-iođopyriđin-2-yl	H	H	N-oxit	H	H	H	i-C3F7	H	nonaflo-2-butyl	H	OC2F5
16-3413	phenyl	H	H	N-oxit	H	H	H	CF3	H	heptaflo isopropyl	H	CF3
16-3425	4-iođophenyl	H	H	N-oxit	H	H	H	CF3	H	pentafloetyl	H	CF3
16-3427	(3-triflometyl) phenyl	H	H	N-oxit	H	H	H	C2F5	H	heptaflo isopropyl	H	CF3
16-3433	3-xyanophenyl	H	H	N-oxit	H	H	H	CF3	H	heptaflo isopropyl	H	CF3
16-3434	4-xyanophenyl	H	H	N-oxit	H	H	H	CF3	H	heptaflo isopropyl	H	CF3
16-3440	4-brom-2-clophenyl	H	H	N-oxit	H	H	H	n-C3F7	H	heptaflo isopropyl	H	CF3
16-3445	4-xyano-2-flophenyl	H	H	N-oxit	H	H	H	i-C3F7	H	heptaflo isopropyl	H	CF3
16-3447	pyriđin-3-yl	H	H	N-oxit	H	H	H	CF3	H	heptaflo isopropyl	H	CF3
16-3449	2-clopyriđin-3-yl	H	H	N-oxit	H	H	H	CF3	H	heptaflo isopropyl	H	CF3
16-3450	2-brom pyriđin-3-yl	H	H	N-oxit	H	H	H	C2F5	H	heptaflo isopropyl	H	C2F5
16-3461	6-xyano pyriđin-3-yl	H	H	N-oxit	H	H	H	C2F5	H	heptaflo isopropyl	H	n-C3F7
16-3465	4-xyano pyriđin-3-yl	H	H	N-oxit	H	H	H	C2F5	H	heptaflo isopropyl	H	i-C3F7
16-3481	phenyl	H	H	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
16-3493	4-iođophenyl	H	H	N-oxit	H	H	H	C2F5	H	nonaflo-2-butyl	H	CF3

16-3501	3-xyanophenyl	H	H	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
16-3502	4-xyanophenyl	H	H	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
16-3508	4-brom-2-clophenyl	H	H	N-oxit	H	H	H	n-C3F7	H	nonaflo-2-butyl	H	CF3
16-3513	4-xyano-2-flophenyl	H	H	N-oxit	H	H	H	i-C3F7	H	nonaflo-2-butyl	H	CF3
16-3517	2-clopyriđin-3-yl	H	H	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
16-3518	2-brom pyriđin-3-yl	H	H	N-oxit	H	H	H	C2F5	H	nonaflo-2-butyl	H	C2F5
16-3529	6-xyano pyriđin-3-yl	H	H	N-oxit	H	H	H	C2F5	H	nonaflo-2-butyl	H	n-C3F7
16-3536	pyriđin-4-yl	H	H	N-oxit	H	H	H	C2F5	H	nonaflo-2-butyl	H	i-C3F7



Bảng 17(1)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
17-1	phenyl	Me	H	N	H	H	H	F	H	heptafloisopropyl	H	F
17-2	3-xyanophenyl	Me	H	N	H	H	H	F	H	heptafloisopropyl	H	F
17-3	4-xyanophenyl	Me	H	N	H	H	H	F	H	heptafloisopropyl	H	F
17-4	2-clopyriđin-3-yl	Me	H	N	H	H	H	F	H	heptafloisopropyl	H	F
17-5	phenyl	Me	H	N	H	H	H	F	H	nonaflo-2-butyl	H	F
17-6	3-xyanophenyl	Me	H	N	H	H	H	F	H	nonaflo-2-butyl	H	F
17-7	4-xyanophenyl	Me	H	N	H	H	H	F	H	nonaflo-2-butyl	H	F
17-8	2-clopyriđin-3-yl	Me	H	N	H	H	H	F	H	nonaflo-2-butyl	H	F
17-9	phenyl	Me	H	N	H	H	H	Cl	H	heptafloisopropyl	H	Cl
17-29	3-xyanophenyl	Me	H	N	H	H	H	Cl	H	heptafloisopropyl	H	Cl
17-30	4-xyanophenyl	Me	H	N	H	H	H	Cl	H	heptafloisopropyl	H	Cl
17-45	2-clopyriđin-3-yl	Me	H	N	H	H	H	Cl	H	heptafloisopropyl	H	Cl
17-87	phenyl	Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
17-107	3-xyanophenyl	Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
17-108	4-xyanophenyl	Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
17-123	2-clopyriđin-3-yl	Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
17-165	phenyl	Me	H	N	H	H	H	Br	H	heptafloisopropyl	H	Br
17-185	3-xyanophenyl	Me	H	N	H	H	H	Br	H	heptafloisopropyl	H	Br
17-186	4-xyanophenyl	Me	H	N	H	H	H	Br	H	heptafloisopropyl	H	Br
17-201	2-clopyriđin-3-yl	Me	H	N	H	H	H	Br	H	heptafloisopropyl	H	Br
17-243	phenyl	Me	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	Br
17-263	3-xyanophenyl	Me	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	Br

17-264	4-xyanophenyl	Me	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	Br
17-279	2-clopyriđin-3-yl	Me	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	Br
17-321	phenyl	Me	H	N	H	H	H	I	H	heptafloisopropyl	H	I
17-341	3-xyanophenyl	Me	H	N	H	H	H	I	H	heptafloisopropyl	H	I
17-342	4-xyanophenyl	Me	H	N	H	H	H	I	H	heptafloisopropyl	H	I
17-357	2-clopyriđin-3-yl	Me	H	N	H	H	H	I	H	heptafloisopropyl	H	I
17-399	phenyl	Me	H	N	H	H	H	I	H	nonaflo-2-butyl	H	I
17-400	2-flophenyl	Me	H	N	H	H	H	I	H	nonaflo-2-butyl	H	I
17-419	3-xyanophenyl	Me	H	N	H	H	H	I	H	nonaflo-2-butyl	H	I
17-420	4-xyanophenyl	Me	H	N	H	H	H	I	H	nonaflo-2-butyl	H	I
17-435	2-clopyriđin-3-yl	Me	H	N	H	H	H	I	H	nonaflo-2-butyl	H	I
17-477	phenyl	Me	H	N	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
17-497	3-xyanophenyl	Me	H	N	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
17-498	4-xyanophenyl	Me	H	N	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
17-513	2-clopyridin-3-yl	Me	H	N	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
17-555	phenyl	Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
17-575	3-xyanophenyl	Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
17-576	4-xyanophenyl	Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
17-591	2-clopyriđin-3-yl	Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
17-633	phenyl	Me	H	N	H	H	H	Br	H	heptafloisopropyl	H	OCF3
17-653	3-xyanophenyl	Me	H	N	H	H	H	Br	H	heptafloisopropyl	H	OCF3
17-654	4-xyanophenyl	Me	H	N	H	H	H	Br	H	heptafloisopropyl	H	OCF3
17-669	2-clopyriđin-3-yl	Me	H	N	H	H	H	Br	H	heptafloisopropyl	H	OCF3
17-711	phenyl	Me	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
17-731	3-xyanophenyl	Me	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
17-732	4-xyanophenyl	Me	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
17-747	2-clopyriđin-3-yl	Me	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
17-789	phenyl	Me	H	N	H	H	H	I	H	heptafloisopropyl	H	OCF3
17-809	3-xyanophenyl	Me	H	N	H	H	H	I	H	heptafloisopropyl	H	OCF3

17-810	4-xyanophenyl	Me	H	N	H	H	H	I	H	heptafloisopropyl	H	OCF3
17-825	2-clopyriđin-3-yl	Me	H	N	H	H	H	I	H	heptafloisopropyl	H	OCF3
17-867	phenyl	Me	H	N	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
17-887	3-xyanophenyl	Me	H	N	H	H	H	I	H	nonaflo-2-butyl	H	OCF3

Bảng 17(2)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
17-888	4-xyanophenyl	Me	H	N	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
17-903	2-clopyriđin-3-yl	Me	H	N	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
17-945	phenyl	Me	H	N	H	H	H	F	H	heptafloisopropyl	H	CF3
17-946	phenyl	Me	H	N	H	H	H	Cl	H	heptafloisopropyl	H	CF3
17-957	3-iođophenyl	Me	H	N	H	H	H	Cl	H	pentafloetyl	H	CF3
17-958	4-iođophenyl	Me	H	N	H	H	H	Cl	H	pentafloetyl	H	CF3
17-965	2-xyanophenyl	Me	H	N	H	H	H	Cl	H	pentafloetyl	H	C2F5
17-966	3-xyanophenyl	Me	H	N	H	H	H	Cl	H	heptafloisopropyl	H	CF3
17-967	4-xyanophenyl	Me	H	N	H	H	H	Cl	H	heptafloisopropyl	H	CF3
17-970	2,4-điclophenyl	Me	H	N	H	H	H	Cl	H	heptafloisopropyl	H	C2F5
17-971	2-clo-4-flophenyl	n-Pr	H	N	H	H	H	Cl	H	heptafloisopropyl	H	CF3
17-974	2-brom-4-clophenyl	Me	H	N	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
17-981	2-flopyriđin-3-yl	Me	H	N	H	H	H	Cl	H	pentafloetyl	H	CF3
17-982	2-clopyriđin-3-yl	Me	H	N	H	H	H	Cl	H	heptafloisopropyl	H	CF3
17-988	6-flopyriđin-3-yl	i-Pr	H	N	H	H	H	Cl	H	heptafloisopropyl	H	CF3
17-995	5-flopyriđin-3-yl	Me	H	N	H	H	H	Cl	H	heptafloisopropyl	H	C2F5
17-997	5-brompyriđin-3-yl	Me	H	N	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
17-998	5-iođopyriđin-3-yl	Me	H	N	H	H	H	Cl	H	heptafloisopropyl	H	i-C3F7
17-1000	5-nitropyriđin-3-yl	Me	H	N	H	H	H	Cl	H	pentafloetyl	H	CF3
17-1002	4-flopyriđin-3-yl	Me	H	N	H	H	H	Cl	H	pentafloetyl	H	CF3
17-1004	4-brompyriđin-3-yl	CH2CH = CH2	H	N	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
17-1005	4-iođopyriđin-3-yl	Me	H	N	H	H	H	Cl	H	heptafloisopropyl	H	i-C3F7
17-1011	pyriđin-4-yl	CN	H	N	H	H	H	Cl	H	heptafloisopropyl	H	CF3
17-1023	4-xyanopyriđin-2-yl	Me	H	N	H	H	H	Cl	H	pentafloetyl	H	CF3
17-1024	phenyl	Me	H	N	H	H	H	F	H	nonaflo-2-butyl	H	CF3
17-1025	phenyl	Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
17-1033	3-bromphenyl	CH2C≡CH	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3

17-1038	(2-triflometyl) phenyl	Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
17-1040	(4-triflometyl) phenyl	NH2	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
17-1045	3-xyanophenyl	Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
17-1046	4-xyanophenyl	Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
17-1053	2-brom-4-clophenyl	C(O)OMe	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
17-1055	2-clo-4-nitrophenyl	Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
17-1061	2-clopyriđin-3-yl	Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
17-1074	5-flopyriđin-3-yl	C(O)OEt	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
17-1076	5-brompyriđin-3-yl	Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
17-1077	5-iođopyriđin-3-yl	Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
17-1081	4-flopyriđin-3-yl	Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
17-1083	4-brompyriđin-3-yl	C(O)C(O)Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
17-1085	4-(triflometyl) pyriđin-3-yl	Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
17-1086	4-nitropyriđin-3-yl	C(O)C(O)Et	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
17-1100	5-iođopyriđin-2-yl	C(O)Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
17-1102	4-xyanopyriđin-2-yl	C(O)Et	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
17-1103	phenyl	Me	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
17-1104	2-flophenyl	Me	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
17-1117	(3-triflometyl) phenyl	S(O)2Me	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
17-1135	4-xyano-2-flophenyl	S(O)2Et	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
17-1139	2-clopyriđin-3-yl	Me	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
17-1150	6-nitropyriđin-3-yl	CH2Ph	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
17-1159	4-flopyriđin-3-yl	CH2(3-Py)	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
17-1180	4-xyanopyriđin-2-yl	CH2(3-Py-N-oxit)	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
17-1181	phenyl	Me	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
17-1182	2-flophenyl	Me	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
17-1201	3-xyanophenyl	Me	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
17-1202	4-xyanophenyl	Me	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
17-1208	4-brom-2-clophenyl	Et	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3

17-1217	2-clopyriđin-3-yl	Me	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
17-1234	5-(triflometyl) pyriđin-3-yl	CN	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
17-1259	phenyl	Me	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
17-1260	2-flophenyl	Me	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
17-1279	3-xyanophenyl	Me	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
17-1280	4-xyanophenyl	Me	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
17-1295	2-clopyriđin-3-yl	Me	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
17-1308	5-flopyriđin-3-yl	C(O)Me	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
17-1337	phenyl	Me	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 17(3)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
17-1338	2-flophenyl	Me	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
17-1357	3-xyano phenyl	Me	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
17-1358	4-xyano phenyl	Me	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
17-1373	2-clopyriđin-3-yl	Me	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
17-1415	phenyl	Me	H	N	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
17-1446	2-clopyriđin-3-yl	Me	H	N	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
17-1471	phenyl	Me	H	N	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
17-1502	2-clopyriđin-3-yl	Me	H	N	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
17-1527	phenyl	Me	H	N	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
17-1558	2-clopyriđin-3-yl	Me	H	N	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
17-1583	phenyl	Me	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
17-1614	2-clopyriđin-3-yl	Me	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
17-1639	phenyl	Me	H	N	H	H	H	CF3	H	heptafloisopropyl	H	CF3
17-1659	3-xyano phenyl	Me	H	N	H	H	H	CF3	H	heptafloisopropyl	H	CF3
17-1660	4-xyano phenyl	Me	H	N	H	H	H	CF3	H	heptafloisopropyl	H	CF3
17-1675	2-clopyriđin-3-yl	Me	H	N	H	H	H	CF3	H	heptafloisopropyl	H	CF3
17-1707	phenyl	Me	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
17-1727	3-xyano phenyl	Me	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
17-1728	4-xyano phenyl	Me	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
17-1743	2-clopyriđin-3-yl	Me	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
17-1775	phenyl	Me	H	N-oxit	H	H	H	F	H	heptafloisopropyl	H	F
17-1776	3-xyano phenyl	Me	H	N-oxit	H	H	H	F	H	heptafloisopropyl	H	F
17-1777	4-xyano phenyl	Me	H	N-oxit	H	H	H	F	H	heptafloisopropyl	H	F
17-1778	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	F	H	heptafloisopropyl	H	F

17-1779	phenyl	Me	H	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	F
17-1780	3-xyano phenyl	Me	H	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	F
17-1781	4-xyano phenyl	Me	H	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	F
17-1782	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	F
17-1783	phenyl	Me	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	Cl
17-1803	3-xyano phenyl	Me	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	Cl
17-1804	4-xyano phenyl	Me	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	Cl
17-1819	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	Cl
17-1861	phenyl	Me	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
17-1881	3-xyano phenyl	Me	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
17-1882	4-xyano phenyl	Me	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
17-1897	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
17-1939	phenyl	Me	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	Br
17-1959	3-xyano phenyl	Me	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	Br
17-1960	4-xyano phenyl	Me	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	Br
17-1975	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	Br
17-2017	phenyl	Me	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	Br
17-2037	3-xyano phenyl	Me	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	Br
17-2038	4-xyano phenyl	Me	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	Br
17-2053	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	Br
17-2095	phenyl	Me	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	I
17-2114	2-xyano phenyl	Me	H	N-oxit	H	H	H	I	H	pentafloetyl	H	I
17-2115	3-xyano phenyl	Me	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	I
17-2131	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	I
17-2173	phenyl	Me	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	I
17-2193	3-xyano phenyl	Me	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	I

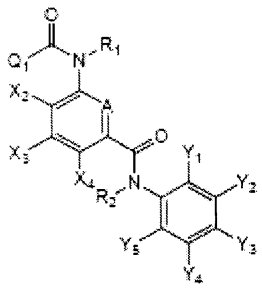
17-2194	4-xyano phenyl	Me	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	I
17-2209	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	I
17-2251	phenyl	Me	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
17-2271	3-xyano phenyl	Me	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
17-2272	4-xyano phenyl	Me	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
17-2287	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
17-2329	phenyl	Me	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
17-2349	3-xyano phenyl	Me	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
17-2350	4-xyano phenyl	Me	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
17-2365	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
17-2407	phenyl	Me	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	OCF3
17-2427	3-xyano phenyl	Me	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	OCF3
17-2428	4-xyano phenyl	Me	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	OCF3

Bảng 17(4)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
17-2443	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	OCF3
17-2485	phenyl	Me	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
17-2505	3-xyanophenyl	Me	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
17-2506	4-xyanophenyl	Me	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
17-2563	phenyl	Me	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	OCF3
17-2583	3-xyanophenyl	Me	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	OCF3
17-2584	4-xyanophenyl	Me	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	OCF3
17-2599	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	OCF3
17-2641	phenyl	Me	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
17-2661	3-xyanophenyl	Me	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
17-2662	4-xyanophenyl	Me	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
17-2677	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
17-2719	phenyl	Me	H	N-oxit	H	H	H	F	H	heptafloisopropyl	H	CF3
17-2720	phenyl	Me	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	CF3
17-2740	3-xyanophenyl	Me	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	CF3
17-2741	4-xyanophenyl	Me	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	CF3
17-2756	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	CF3
17-2798	phenyl	Me	H	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	CF3
17-2799	phenyl	Me	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
17-2819	3-xyanophenyl	Me	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
17-2820	4-xyanophenyl	Me	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
17-2835	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3

17-2877	phenyl	Me	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	CF3
17-2897	3-xyanophenyl	Me	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	CF3
17-2898	4-xyanophenyl	Me	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	CF3
17-2913	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	CF3
17-2914	2-brompyriđin-3-yl	Me	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	CF3
17-2955	phenyl	Me	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
17-2975	3-xyanophenyl	Me	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
17-2976	4-xyanophenyl	Me	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
17-2991	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
17-3033	phenyl	Me	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
17-3053	3-xyanophenyl	Me	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
17-3054	4-xyanophenyl	Me	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
17-3069	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
17-3111	phenyl	Me	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
17-3131	3-xyanophenyl	Me	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
17-3132	4-xyanophenyl	Me	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
17-3147	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
17-3189	phenyl	Me	H	N-oxit	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
17-3220	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
17-3245	phenyl	Me	H	N-oxit	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
17-3276	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
17-3301	phenyl	Me	H	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
17-3332	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	OCF3

17-3357	phenyl	Me	H	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
17-3388	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
17-3413	phenyl	Me	H	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	CF3
17-3433	3-xyanophenyl	Me	H	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	CF3
17-3434	4-xyanophenyl	Me	H	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	CF3
17-3449	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	CF3
17-3481	phenyl	Me	H	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
17-3501	3-xyanophenyl	Me	H	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
17-3502	4-xyanophenyl	Me	H	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
17-3517	2-clopyriđin-3-yl	Me	H	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3



Bảng 18(1)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
18-1	phenyl	H	Me	N	H	H	H	F	H	heptafloisopropyl	H	F
18-2	3-xyano phenyl	H	Me	N	H	H	H	F	H	heptafloisopropyl	H	F
18-3	4-xyano phenyl	H	Me	N	H	H	H	F	H	heptafloisopropyl	H	F
18-4	2-clopyriđin-3-yl	H	Me	N	H	H	H	F	H	heptafloisopropyl	H	F
18-5	phenyl	H	Me	N	H	H	H	F	H	nonaflo-2-butyl	H	F
18-6	3-xyano phenyl	H	Me	N	H	H	H	F	H	nonaflo-2-butyl	H	F
18-7	4-xyano phenyl	H	Me	N	H	H	H	F	H	nonaflo-2-butyl	H	F
18-8	2-clopyriđin-3-yl	H	Me	N	H	H	H	F	H	nonaflo-2-butyl	H	F
18-9	phenyl	H	Me	N	H	H	H	Cl	H	heptafloisopropyl	H	Cl
18-29	3-xyano phenyl	H	Me	N	H	H	H	Cl	H	heptafloisopropyl	H	Cl
18-30	4-xyano phenyl	H	Me	N	H	H	H	Cl	H	heptafloisopropyl	H	Cl
18-45	2-clopyriđin-3-yl	H	Me	N	H	H	H	Cl	H	heptafloisopropyl	H	Cl
18-87	phenyl	H	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
18-107	3-xyano phenyl	H	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
18-108	4-xyano phenyl	H	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
18-123	2-clopyriđin-3-yl	H	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl

18-165	phenyl	H	Me	N	H	H	H	Br	H	heptafloisopropyl	H	Br
18-176	3-iodophenyl	H	Me	N	H	H	H	Br	H	pentafloetyl	H	Br
18-177	4-iodophenyl	H	Me	N	H	H	H	Br	H	pentafloetyl	H	Br
18-185	3-xyano phenyl	H	Me	N	H	H	H	Br	H	heptafloisopropyl	H	Br
18-186	4-xyano phenyl	H	Me	N	H	H	H	Br	H	heptafloisopropyl	H	Br
18-201	2-clopyridin-3-yl	H	Me	N	H	H	H	Br	H	heptafloisopropyl	H	Br
18-243	phenyl	H	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	Br
18-263	3-xyano phenyl	H	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	Br
18-264	4-xyanophenyl	H	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	Br
18-279	2-clopyridin-3-yl	H	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	Br
18-321	phenyl	H	Me	N	H	H	H	I	H	heptafloisopropyl	H	I
18-341	3-xyano phenyl	H	Me	N	H	H	H	I	H	heptafloisopropyl	H	I
18-342	4-xyanophenyl	H	Me	N	H	H	H	I	H	heptafloisopropyl	H	I
18-357	2-clopyridin-3-yl	H	Me	N	H	H	H	I	H	heptafloisopropyl	H	I
18-399	phenyl	H	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	I
18-419	3-xyano phenyl	H	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	I
18-420	4-xyano phenyl	H	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	I
18-435	2-clopyridin-3-yl	H	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	I
18-477	phenyl	H	Me	N	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
18-497	3-xyano phenyl	H	Me	N	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
18-498	4-xyano phenyl	H	Me	N	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
18-513	2-clopyridin-3-yl	H	Me	N	H	H	H	Cl	H	heptafloisopropyl	H	OCF3

18-555	phenyl	H	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
18-575	3-xyano phenyl	H	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
18-576	4-xyano phenyl	H	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
18-591	2-clopyriđin-3-yl	H	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
18-633	phenyl	H	Me	N	H	H	H	Br	H	heptafloisopropyl	H	OCF3
18-653	3-xyano phenyl	H	Me	N	H	H	H	Br	H	heptafloisopropyl	H	OCF3
18-654	4-xyano phenyl	H	Me	N	H	H	H	Br	H	heptafloisopropyl	H	OCF3
18-669	2-clopyriđin-3-yl	H	Me	N	H	H	H	Br	H	heptafloisopropyl	H	OCF3
18-711	phenyl	H	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
18-731	3-xyano phenyl	H	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
18-732	4-xyano phenyl	H	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
18-747	2-clopyriđin-3-yl	H	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
18-789	phenyl	H	Me	N	H	H	H	I	H	heptafloisopropyl	H	OCF3
18-809	3-xyano phenyl	H	Me	N	H	H	H	I	H	heptafloisopropyl	H	OCF3
18-810	4-xyano phenyl	H	Me	N	H	H	H	I	H	heptafloisopropyl	H	OCF3
18-825	2-clopyriđin-3-yl	H	Me	N	H	H	H	I	H	heptafloisopropyl	H	OCF3
18-867	phenyl	H	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	OCF3

Bảng 18(2)

Số hợp chất	Q1	R1	R2	A	X 2	X 3	X 4	Y1	Y2	Y3	Y4	Y5
18-887	3-xyanophenyl	H	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
18-888	4-xyanophenyl	H	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
18-903	2-clopyriđin-3-yl	H	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
18-945	phenyl	H	Me	N	H	H	H	F	H	heptaflo isopropyl	H	CF3
18-946	phenyl	H	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
18-957	3-iođophenyl	H	Me	N	H	H	H	Cl	H	pentafloetyl	H	CF3
18-958	4-iođophenyl	H	Me	N	H	H	H	Cl	H	pentafloetyl	H	CF3
18-960	(3-triflometyl) phenyl	H	Et	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
18-965	2-xyanophenyl	H	Me	N	H	H	H	Cl	H	pentafloetyl	H	C2F5
18-966	3-xyanophenyl	H	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
18-967	4-xyanophenyl	H	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
18-970	2,4-điclophenyl	H	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	C2F5
18-971	2-clo-4-flophenyl	H	n-Pr	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
18-974	2-brom-4-clophenyl	H	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	n-C3F7
18-981	2-flopyriđin-3-yl	H	Me	N	H	H	H	Cl	H	pentafloetyl	H	CF3
18-982	2-clopyriđin-3-yl	H	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
18-988	6-flopyriđin-3-yl	H	i-Pr	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
18-995	5-flopyriđin-3-yl	H	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	C2F5
18-997	5-brompyriđin-3-yl	H	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	n-C3F7
18-998	5-iođopyriđin-3-yl	H	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	i-C3F7
18-1000	5-nitropyriđin-3-yl	H	Me	N	H	H	H	Cl	H	pentafloetyl	H	CF3

18-1002	4-flopyriđin-3-yl	H	Me	N	H	H	H	Cl	H	pentafloetyl	H	CF3
18-1004	4-brompyriđin-3-yl	H	CH2CH = CH2	N	H	H	H	Cl	H	heptaflo isopropyl	H	n-C3F7
18-1005	4-iođopyriđin-3-yl	H	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	i-C3F7
18-1011	pyriđin-4-yl	H	CN	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
18-1023	4-xyano pyriđin-2-yl	H	Me	N	H	H	H	Cl	H	pentafloetyl	H	CF3
18-1024	phenyl	H	Me	N	H	H	H	F	H	nonaflo-2-butyl	H	CF3
18-1025	phenyl	H	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
18-1033	3-bromphenyl	H	CH2C≡CH	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
18-1038	(2-triflometyl) phenyl	H	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
18-1040	(4-triflometyl) phenyl	H	NH2	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
18-1045	3-xyanophenyl	H	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
18-1046	4-xyanophenyl	H	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
18-1053	2-brom-4-clophenyl	H	C(O)OMe	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
18-1055	2-clo-4-nitrophenyl	H	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
18-1061	2-clopyriđin-3-yl	H	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
18-1074	5-flopyriđin-3-yl	H	C(O)OEt	N	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
18-1076	5-brompyriđin-3-yl	H	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
18-1077	5-iođopyriđin-3-yl	H	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
18-1081	4-flopyriđin-3-yl	H	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
18-1083	4-brompyriđin-3-yl	H	C(O)C(O)Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
18-1085	4-(triflometyl) pyriđin-3-yl	H	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
18-1086	4-nitropyriđin-3-yl	H	C(O)C(O)Et	N	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
18-1100	5-iođopyriđin-2-yl	H	C(O)Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3

18-1102	4-xyano pyriđin-2-yl	H	C(O)Et	N	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
18-1103	phenyl	H	Me	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
18-1104	2-flophenyl	H	Me	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
18-1117	(3-triflometyl) phenyl	H	S(O)2Me	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
18-1123	3-xyanophenyl	H	Me	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
18-1124	4-xyanophenyl	H	Me	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
18-1135	4-xyano-2-flophenyl	H	S(O)2Et	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
18-1139	2-clopyriđin-3-yl	H	Me	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
18-1150	6-nitropyriđin-3-yl	H	CH2Ph	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
18-1159	4-flopyriđin-3-yl	H	CH2(3-Py)	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
18-1180	4-xyano pyriđin-2-yl	H	CH2(3-Py-N-oxit)	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
18-1181	phenyl	H	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
18-1182	2-flophenyl	H	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
18-1201	3-xyanophenyl	H	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
18-1202	4-xyanophenyl	H	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
18-1208	4-brom-2-clophenyl	H	Et	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
18-1217	2-clopyriđin-3-yl	H	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
18-1234	5-(triflometyl) pyriđin-3-yl	H	CN	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
18-1259	phenyl	H	Me	N	H	H	H	I	H	heptaflo isopropyl	H	CF3
18-1260	2-flophenyl	H	Me	N	H	H	H	I	H	heptaflo isopropyl	H	CF3
18-1279	3-xyanophenyl	H	Me	N	H	H	H	I	H	heptaflo isopropyl	H	CF3

Bảng 18(3)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
18-1280	4-xyano phenyl	H	Me	N	H	H	H	I	H	heptafloisopropyl	H	CF3
18-1295	2-clopyriđin-3-yl	H	Me	N	H	H	H	I	H	heptafloisopropyl	H	CF3
18-1308	5-flopyriđin-3-yl	H	C(O)Me	N	H	H	H	I	H	heptafloisopropyl	H	CF3
18-1337	phenyl	H	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
18-1338	2-flophenyl	H	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
18-1357	3-xyano phenyl	H	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
18-1358	4-xyano phenyl	H	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
18-1373	2-clopyriđin-3-yl	H	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
18-1415	phenyl	H	Me	N	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
18-1446	2-clopyriđin-3-yl	H	Me	N	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
18-1471	phenyl	H	Me	N	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
18-1502	2-clopyriđin-3-yl	H	Me	N	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
18-1527	phenyl	H	Me	N	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
18-1558	2-clopyriđin-3-yl	H	Me	N	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
18-1583	phenyl	H	Me	N	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
18-1614	2-clopyriđin-3-yl	H	Me	N	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
18-1639	phenyl	H	Me	N	H	H	H	CF3	H	heptafloisopropyl	H	CF3
18-1659	3-xyano phenyl	H	Me	N	H	H	H	CF3	H	heptafloisopropyl	H	CF3
18-1660	4-xyano phenyl	H	Me	N	H	H	H	CF3	H	heptafloisopropyl	H	CF3
18-1675	2-clopyriđin-3-yl	H	Me	N	H	H	H	CF3	H	heptafloisopropyl	H	CF3
18-1707	phenyl	H	Me	N	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3

18-1727	3-xyano phenyl	H	Me	N	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
18-1728	4-xyano phenyl	H	Me	N	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
18-1743	2-clopyriđin-3-yl	H	Me	N	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
18-1775	phenyl	H	Me	N-oxit	H	H	H	F	H	heptafloisopropyl	H	F
18-1776	3-xyano phenyl	H	Me	N-oxit	H	H	H	F	H	heptafloisopropyl	H	F
18-1777	4-xyano phenyl	H	Me	N-oxit	H	H	H	F	H	heptafloisopropyl	H	F
18-1778	2-clopyriđin-3-yl	H	Me	N-oxit	H	H	H	F	H	heptafloisopropyl	H	F
18-1779	phenyl	H	Me	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	F
18-1780	3-xyano phenyl	H	Me	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	F
18-1781	4-xyano phenyl	H	Me	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	F
18-1782	2-clopyriđin-3-yl	H	Me	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	F
18-1783	phenyl	H	Me	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	Cl
18-1803	3-xyano phenyl	H	Me	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	Cl
18-1804	4-xyano phenyl	H	Me	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	Cl
18-1819	2-clopyriđin-3-yl	H	Me	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	Cl
18-1861	phenyl	H	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
18-1881	3-xyano phenyl	H	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
18-1882	4-xyano phenyl	H	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
18-1897	2-clopyriđin-3-yl	H	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
18-1939	phenyl	H	Me	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	Br
18-1959	3-xyano phenyl	H	Me	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	Br
18-1960	4-xyano phenyl	H	Me	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	Br
18-1975	2-clopyriđin-3-yl	H	Me	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	Br

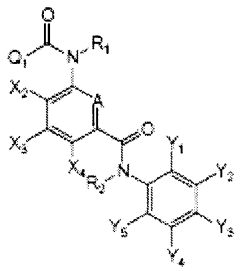
18-2017	phenyl	H	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	Br
18-2037	3-xyano phenyl	H	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	Br
18-2038	4-xyano phenyl	H	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	Br
18-2053	2-clopyriđin-3-yl	H	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	Br
18-2095	phenyl	H	Me	N-oxit	H	H	H	I	H	heptafloisopropyl	H	I
18-2115	3-xyano phenyl	H	Me	N-oxit	H	H	H	I	H	heptafloisopropyl	H	I
18-2116	4-xyano phenyl	H	Me	N-oxit	H	H	H	I	H	heptafloisopropyl	H	I
18-2131	2-clopyriđin-3-yl	H	Me	N-oxit	H	H	H	I	H	heptafloisopropyl	H	I
18-2173	phenyl	H	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	I
18-2193	3-xyano phenyl	H	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	I
18-2194	4-xyano phenyl	H	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	I
18-2209	2-clopyriđin-3-yl	H	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	I
18-2251	phenyl	H	Me	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
18-2271	3-xyano phenyl	H	Me	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
18-2272	4-xyano phenyl	H	Me	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
18-2287	2-clopyriđin-3-yl	H	Me	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
18-2291	2-nitropyriđin-	H	Me	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	OC2F5
18-2329	phenyl	H	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
18-2349	3-xyano phenyl	H	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3

Bảng 18(4)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
18-2350	4-xyanophenyl	H	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
18-2365	2-clopyriđin-3-yl	H	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
18-2407	phenyl	H	Me	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	OCF3
18-2427	3-xyanophenyl	H	Me	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	OCF3
18-2428	4-xyanophenyl	H	Me	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	OCF3
18-2443	2-clopyriđin-3-yl	H	Me	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	OCF3
18-2485	phenyl	H	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
18-2505	3-xyanophenyl	H	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
18-2506	4-xyanophenyl	H	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
18-2521	2-clopyriđin-3-yl	H	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
18-2563	phenyl	H	Me	N-oxit	H	H	H	I	H	heptafloisopropyl	H	OCF3
18-2583	3-xyanophenyl	H	Me	N-oxit	H	H	H	I	H	heptafloisopropyl	H	OCF3
18-2584	4-xyanophenyl	H	Me	N-oxit	H	H	H	I	H	heptafloisopropyl	H	OCF3
18-2599	2-clopyriđin-3-yl	H	Me	N-oxit	H	H	H	I	H	heptafloisopropyl	H	OCF3
18-2641	phenyl	H	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
18-2661	3-xyanophenyl	H	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
18-2662	4-xyanophenyl	H	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
18-2677	2-clopyriđin-3-yl	H	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
18-2719	phenyl	H	Me	N-oxit	H	H	H	F	H	heptafloisopropyl	H	CF3
18-2720	phenyl	H	Me	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	CF3
18-2740	3-xyanophenyl	H	Me	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	CF3

18-2741	4-xyanophenyl	H	Me	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	CF3
18-2756	2-clopyriđin-3-yl	H	Me	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	CF3
18-2798	phenyl	H	Me	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	CF3
18-2799	phenyl	H	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
18-2819	3-xyanophenyl	H	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
18-2820	4-xyanophenyl	H	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
18-2835	2-clopyriđin-3-yl	H	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
18-2877	phenyl	H	Me	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	CF3
18-2897	3-xyanophenyl	H	Me	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	CF3
18-2898	4-xyanophenyl	H	Me	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	CF3
18-2913	2-clopyriđin-3-yl	H	Me	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	CF3
18-2955	phenyl	H	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
18-2975	3-xyanophenyl	H	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
18-2976	4-xyanophenyl	H	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
18-2991	2-clopyriđin-3-yl	H	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
18-3033	phenyl	H	Me	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
18-3053	3-xyanophenyl	H	Me	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
18-3054	4-xyanophenyl	H	Me	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
18-3069	2-clopyriđin-3-yl	H	Me	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
18-3111	phenyl	H	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
18-3131	3-xyanophenyl	H	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
18-3132	4-xyanophenyl	H	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
18-3147	2-clopyriđin-3-yl	H	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3

18-3189	phenyl	H	Me	N-oxit	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
18-3220	2-clopyridin-3-yl	H	Me	N-oxit	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
18-3245	phenyl	H	Me	N-oxit	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
18-3276	2-clopyridin-3-yl	H	Me	N-oxit	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
18-3301	phenyl	H	Me	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
18-3332	2-clopyridin-3-yl	H	Me	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
18-3357	phenyl	H	Me	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
18-3388	2-clopyridin-3-yl	H	Me	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
18-3413	phenyl	H	Me	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	CF3
18-3433	3-xyanophenyl	H	Me	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	CF3
18-3434	4-xyanophenyl	H	Me	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	CF3
18-3449	2-clopyridin-3-yl	H	Me	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	CF3
18-3481	phenyl	H	Me	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
18-3501	3-xyanophenyl	H	Me	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
18-3502	4-xyanophenyl	H	Me	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
18-3517	2-clopyridin-3-yl	H	Me	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3



Bảng 19 (1)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
19-1	phenyl	Me	Me	N	H	H	H	F	H	heptafloisopropyl	H	F
19-2	3-xyanophenyl	Me	Me	N	H	H	H	F	H	heptafloisopropyl	H	F
19-3	4-xyanophenyl	Me	Me	N	H	H	H	F	H	heptafloisopropyl	H	F
19-4	2-clopyriđin-3-yl	Me	Me	N	H	H	H	F	H	heptafloisopropyl	H	F
19-5	phenyl	Me	Me	N	H	H	H	F	H	nonaflo-2-butyl	H	F
19-6	3-xyanophenyl	Me	Me	N	H	H	H	F	H	nonaflo-2-butyl	H	F
19-7	4-xyanophenyl	Me	Me	N	H	H	H	F	H	nonaflo-2-butyl	H	F
19-8	2-clopyriđin-3-yl	Me	Me	N	H	H	H	F	H	nonaflo-2-butyl	H	F
19-9	phenyl	Me	Me	N	H	H	H	Cl	H	heptafloisopropyl	H	Cl
19-11	3-flophenyl	Et	Me	N	H	H	H	Cl	H	heptafloisopropyl	H	Cl
19-12	4-flophenyl	Me	Et	N	H	H	H	Cl	H	heptafloisopropyl	H	Cl
19-29	3-xyanophenyl	Me	Me	N	H	H	H	Cl	H	heptafloisopropyl	H	Cl
19-30	4-xyanophenyl	Me	Me	N	H	H	H	Cl	H	heptafloisopropyl	H	Cl
19-45	2-clopyriđin-3-yl	Me	Me	N	H	H	H	Cl	H	heptafloisopropyl	H	Cl
19-87	phenyl	Me	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
19-107	3-xyanophenyl	Me	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
19-108	4-xyanophenyl	Me	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
19-123	2-clopyriđin-3-yl	Me	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
19-165	phenyl	Me	Me	N	H	H	H	Br	H	heptafloisopropyl	H	Br

19-185	3-xyanophenyl	Me	Me	N	H	H	H	Br	H	heptafloisopropyl	H	Br
19-186	4-xyanophenyl	Me	Me	N	H	H	H	Br	H	heptafloisopropyl	H	Br
19-201	2-clopyriđin-3-yl	Me	Me	N	H	H	H	Br	H	heptafloisopropyl	H	Br
19-243	phenyl	Me	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	Br
19-263	3-xyanophenyl	Me	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	Br
19-264	4-xyanophenyl	Me	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	Br
19-279	2-clopyriđin-3-yl	Me	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	Br
19-321	phenyl	Me	Me	N	H	H	H	I	H	heptafloisopropyl	H	I
19-341	3-xyanophenyl	Me	Me	N	H	H	H	I	H	heptafloisopropyl	H	I
19-342	4-xyanophenyl	Me	Me	N	H	H	H	I	H	heptafloisopropyl	H	I
19-357	2-clopyriđin-3-yl	Me	Me	N	H	H	H	I	H	heptafloisopropyl	H	I
19-399	phenyl	Me	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	I
19-419	3-xyanophenyl	Me	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	I
19-420	4-xyanophenyl	Me	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	I
19-435	2-clopyriđin-3-yl	Me	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	I
19-673	phenyl	Me	Me	N	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
19-693	3-xyanophenyl	Me	Me	N	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
19-694	4-xyanophenyl	Me	Me	N	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
19-709	2-clopyriđin-3-yl	Me	Me	N	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
19-751	phenyl	Me	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
19-771	3-xyanophenyl	Me	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
19-772	4-xyanophenyl	Me	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
19-787	2-clopyriđin-3-yl	Me	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
19-829	phenyl	Me	Me	N	H	H	H	Br	H	heptafloisopropyl	H	OCF3
19-849	3-xyanophenyl	Me	Me	N	H	H	H	Br	H	heptafloisopropyl	H	OCF3
19-850	4-xyanophenyl	Me	Me	N	H	H	H	Br	H	heptafloisopropyl	H	OCF3

19-865	2-clopyriđin-3-yl	Me	Me	N	H	H	H	Br	H	heptafloisopropyl	H	OCF3
19-907	phenyl	Me	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
19-927	3-xyanophenyl	Me	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
19-928	4-xyanophenyl	Me	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
19-943	2-clopyriđin-3-yl	Me	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
19-985	phenyl	Me	Me	N	H	H	H	I	H	heptafloisopropyl	H	OCF3
19-1005	3-xyanophenyl	Me	Me	N	H	H	H	I	H	heptafloisopropyl	H	OCF3
19-1006	4-xyanophenyl	Me	Me	N	H	H	H	I	H	heptafloisopropyl	H	OCF3
19-1021	2-clopyriđin-3-yl	Me	Me	N	H	H	H	I	H	heptafloisopropyl	H	OCF3
19-1063	phenyl	Me	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	OCF3

Bảng 19(2)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
19-1083	3-xyano phenyl	Me	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
19-1084	4-xyano phenyl	Me	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
19-1099	2-clopyriđin-3-yl	Me	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
19-1337	phenyl	Me	Me	N	H	H	H	F	H	heptaflo isopropyl	H	CF3
19-1338	phenyl	Me	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
19-1349	3-iođophenyl	Me	Me	N	H	H	H	Cl	H	pentafloetyl	H	CF3
19-1350	4-iođophenyl	Me	Me	N	H	H	H	Cl	H	pentafloetyl	H	CF3
19-1352	(3-triflometyl) phenyl	Et	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
19-1353	(4-triflometyl) phenyl	Me	Et	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
19-1357	2-xyano phenyl	Me	Me	N	H	H	H	Cl	H	pentafloetyl	H	C2F5
19-1358	3-xyano phenyl	Me	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
19-1359	4-xyano phenyl	Me	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
19-1362	2,4-điclophenyl	Me	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	C2F5
19-1363	2-clo-4-flophenyl	n-Pr	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
19-1365	4-brom-2-clophenyl	Me	n-Pr	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
19-1366	2-brom-4-clophenyl	Me	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	n-C3F7
19-1373	2-flopyriđin-3-yl	Me	Me	N	H	H	H	Cl	H	pentafloetyl	H	CF3
19-1374	2-clopyriđin-3-yl	Me	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
19-1378	2-nitro pyriđin-3-yl	Me	i-Pr	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
19-1380	6-flopyriđin-3-yl	i-Pr	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
19-1387	5-flopyriđin-3-yl	Me	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	C2F5
19-1389	5-brom pyriđin-3-yl	Me	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	n-C3F7
19-1390	5-iođo pyriđin-3-yl	Me	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	i-C3F7

19-1392	5-nitro pyriđin-3-yl	Me	Me	N	H	H	H	Cl	H	pentafloetyl	H	CF3
19-1393	5-xyano pyriđin-3-yl	Me	CH2CH = CH2	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
19-1394	4-flopyriđin-3-yl	Me	Me	N	H	H	H	Cl	H	pentafloetyl	H	CF3
19-1396	4-brom pyriđin-3-yl	CH2CH = CH2	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	n-C3F7
19-1397	4-iođo pyriđin-3-yl	Me	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	i-C3F7
19-1400	4-xyano pyriđin-3-yl	Me	CN	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
19-1403	pyriđin-4-yl	CN	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
19-1415	4-xyano pyriđin-2-yl	Me	Me	N	H	H	H	Cl	H	pentafloetyl	H	CF3
19-1416	phenyl	Me	Me	N	H	H	H	F	H	nonaflo-2-butyl	H	CF3
19-1417	phenyl	Me	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
19-1425	3-bromphenyl	CH2C ≡CH	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
19-1429	4-iođophenyl	Me	CH2C ≡CH	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
19-1430	(2-triflometyl) phenyl	Me	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
19-1432	(4-triflometyl) phenyl	NH2	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
19-1436	2-xyano phenyl	Me	NH2	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
19-1437	3-xyano phenyl	Me	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
19-1438	4-xyano phenyl	Me	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
19-1442	2-clo-4-flophenyl	Me	C(O)O Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
19-1445	2-brom-4-clophenyl	C(O)OMe	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
19-1447	2-clo-4-nitrophenyl	Me	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
19-1453	2-clopyriđin-3-yl	Me	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
19-1464	6-nitro pyridin-3-yl	Me	C(O)O Et	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
19-1466	5-flopyriđin-3-yl	C(O)OEt	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
19-1468	5-brom pyriđin-3-yl	Me	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
19-1469	5-iođopyriđin-3-yl	Me	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7

19-1472	5-xyano pyriđin-3-yl	Me	C(O)C(O)Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
19-1473	4-flopyriđin-3-yl	Me	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
19-1475	4-brom pyriđin-3-yl	C(O)C(O)Me	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
19-1477	4-(triflometyl) pyriđin-3-yl	Me	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
19-1478	4-nitro pyriđin-3-yl	C(O)C(O)Et	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
19-1479	4-xyano pyriđin-3-yl	Me	C(O)C(O)Et	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
19-1484	3-brom pyriđin-4-yl	Me	C(O)Et	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
19-1491	4-brom pyriđin-2-yl	Me	C(O)Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
19-1492	5-iodopyriđin-2-yl	C(O)Me	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
19-1494	4-xyano pyriđin-2-yl	C(O)Et	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
19-1495	phenyl	Me	Me	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
19-1496	2-flophenyl	Me	Me	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
19-1509	(3-triflometyl) phenyl	S(O)2Me	Me	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
19-1514	2-xyano phenyl	Me	S(O)2Me	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
19-1515	3-xyano phenyl	Me	Me	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
19-1516	4-xyano phenyl	Me	Me	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3

Bảng 19(3)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
19-1523	2-brom-4-clophenyl	Me	S(O)2Et	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
19-1527	4-xyano-2-flophenyl	S(O)2Et	Me	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
19-1531	2-clopyriđin-3-yl	Me	Me	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
19-1542	6-nitro pyriđin-3-yl	CH2Ph	Me	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
19-1546	5-brom pyriđin-3-yl	Me	CH2Ph	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
19-1551	4-flopyriđin-3-yl	CH2(3-Py)	Me	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
19-1556	4-nitro pyriđin-3-yl	Me	CH2(3-Py)	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
19-1570	5-iođo pyriđin-2-yl	Me	CH2(3-Py-N-oxit)	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
19-1572	4-xyano pyriđin-2-yl	CH2(3-Py-N-oxit)	Me	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
19-1573	phenyl	Me	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
19-1574	2-flophenyl	Me	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
19-1593	3-xyano phenyl	Me	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
19-1594	4-xyano phenyl	Me	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
19-1600	4-brom-2-clophenyl	Et	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
19-1603	2-clo-4-nitrophenyl	Me	Et	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
19-1609	2-clopyriđin-3-yl	Me	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
19-1626	5-(triflometyl) pyriđin-3-yl	CN	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
19-1627	5-nitro pyriđin-3-yl	Me	CN	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
19-1651	phenyl	Me	Me	N	H	H	H	I	H	heptaflo isopropyl	H	CF3
19-1652	2-flophenyl	Me	Me	N	H	H	H	I	H	heptaflo isopropyl	H	CF3

19-1671	3-xyano phenyl	Me	Me	N	H	H	H	I	H	heptaflo isopropyl	H	CF3
19-1672	4-xyano phenyl	Me	Me	N	H	H	H	I	H	Heptaflo isopropyl	H	CF3
19-1687	2-clopyriđin-3-yl	Me	Me	N	H	H	H	I	H	heptaflo isopropyl	H	CF3
19-1700	5-flopyriđin-3-yl	C(O)Me	Me	N	H	H	H	I	H	heptaflo isopropyl	H	CF3
19-1705	5-nitro pyriđin-3-yl	Me	C(O)Me	N	H	H	H	I	H	heptaflo isopropyl	H	CF3
19-1729	phenyl	Me	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
19-1730	2-flophenyl	Me	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
19-1749	3-xyano phenyl	Me	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
19-1750	4-xyano phenyl	Me	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
19-1765	2-clopyriđin-3-yl	Me	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
19-2003	phenyl	Me	Me	N	H	H	H	OCF3	H	heptaflo isopropyl	H	OCF3
19-2034	2-clopyriđin-3-yl	Me	Me	N	H	H	H	OCF3	H	heptaflo isopropyl	H	OCF3
19-2059	phenyl	Me	Me	N	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
19-2090	2-clopyriđin-3-yl	Me	Me	N	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
19-2115	phenyl	Me	Me	N	H	H	H	CF3	H	heptaflo isopropyl	H	OCF3
19-2146	2-clopyriđin-3-yl	Me	Me	N	H	H	H	CF3	H	heptaflo isopropyl	H	OCF3
19-2171	phenyl	Me	Me	N	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
19-2202	2-clopyriđin-3-yl	Me	Me	N	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
19-2227	phenyl	Me	Me	N	H	H	H	CF3	H	heptaflo isopropyl	H	CF3
19-2247	3-xyano phenyl	Me	Me	N	H	H	H	CF3	H	heptaflo isopropyl	H	CF3
19-2248	4-xyano phenyl	Me	Me	N	H	H	H	CF3	H	heptaflo isopropyl	H	CF3
19-2263	2-clopyriđin-3-yl	Me	Me	N	H	H	H	CF3	H	heptaflo isopropyl	H	CF3
19-2295	phenyl	Me	Me	N	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3

19-2315	3-xyano phenyl	Me	Me	N	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
19-2316	4-xyano phenyl	Me	Me	N	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
19-2331	2-clopyridin-3-yl	Me	Me	N	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
19-2559	phenyl	Me	Me	N-oxit	H	H	H	F	H	heptaflo isopropyl	H	F
19-2560	3-xyano phenyl	Me	Me	N-oxit	H	H	H	F	H	heptaflo isopropyl	H	F
19-2561	4-xyano phenyl	Me	Me	N-oxit	H	H	H	F	H	heptaflo isopropyl	H	F
19-2562	2-clopyridin-3-yl	Me	Me	N-oxit	H	H	H	F	H	heptaflo isopropyl	H	F
19-2563	phenyl	Me	Me	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	F
19-2564	3-xyano phenyl	Me	Me	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	F
19-2565	4-xyano phenyl	Me	Me	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	F
19-2566	2-clopyridin-3-yl	Me	Me	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	F
19-2567	phenyl	Me	Me	N-oxit	H	H	H	Cl	H	heptaflo isopropyl	H	Cl
19-2587	3-xyano phenyl	Me	Me	N-oxit	H	H	H	Cl	H	heptaflo isopropyl	H	Cl
19-2588	4-xyano phenyl	Me	Me	N-oxit	H	H	H	Cl	H	heptaflo isopropyl	H	Cl
19-2603	2-clopyridin-3-yl	Me	Me	N-oxit	H	H	H	Cl	H	heptaflo isopropyl	H	Cl
19-2645	phenyl	Me	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
19-2665	3-xyano phenyl	Me	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
19-2666	4-xyano phenyl	Me	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
19-2681	2-clopyridin-3-yl	Me	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
19-2723	phenyl	Me	Me	N-oxit	H	H	H	Br	H	heptaflo isopropyl	H	Br
19-2743	3-xyano phenyl	Me	Me	N-oxit	H	H	H	Br	H	heptaflo isopropyl	H	Br

Bảng 19(4)

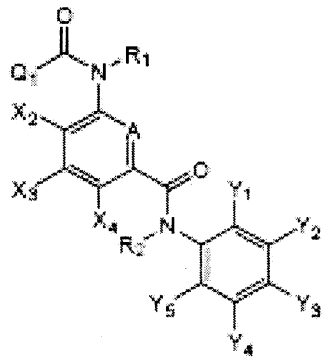
Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
19-2744	4-xyanophenyl	Me	Me	N-oxit	H	H	H	Br	H	heptaflo isopropyl	H	Br
19-2759	2-clopyriđin-3-yl	Me	Me	N-oxit	H	H	H	Br	H	heptaflo isopropyl	H	Br
19-2801	phenyl	Me	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	Br
19-2821	3-xyanophenyl	Me	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	Br
19-2822	4-xyanophenyl	Me	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	Br
19-2837	2-clopyriđin-3-yl	Me	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	Br
19-2879	phenyl	Me	Me	N-oxit	H	H	H	I	H	heptaflo isopropyl	H	I
19-2899	3-xyanophenyl	Me	Me	N-oxit	H	H	H	I	H	heptaflo isopropyl	H	I
19-2900	4-xyanophenyl	Me	Me	N-oxit	H	H	H	I	H	heptaflo isopropyl	H	I
19-2915	2-clopyriđin-3-yl	Me	Me	N-oxit	H	H	H	I	H	heptaflo isopropyl	H	I
19-2957	phenyl	Me	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	I
19-2977	3-xyanophenyl	Me	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	I
19-2978	4-xyanophenyl	Me	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	I
19-2993	2-clopyriđin-3-yl	Me	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	I
19-3231	phenyl	Me	Me	N-oxit	H	H	H	Cl	H	heptaflo isopropyl	H	OCF3
19-3251	3-xyanophenyl	Me	Me	N-oxit	H	H	H	Cl	H	heptaflo isopropyl	H	OCF3
19-3252	4-xyanophenyl	Me	Me	N-oxit	H	H	H	Cl	H	heptaflo isopropyl	H	OCF3
19-3267	2-clopyriđin-3-yl	Me	Me	N-oxit	H	H	H	Cl	H	heptaflo isopropyl	H	OCF3
19-3309	phenyl	Me	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
19-3329	3-xyanophenyl	Me	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
19-3330	4-xyanophenyl	Me	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3

19-3345	2-clopyriđin-3-yl	Me	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
19-3387	phenyl	Me	Me	N-oxit	H	H	H	Br	H	heptaflo isopropyl	H	OCF3
19-3407	3-xyanophenyl	Me	Me	N-oxit	H	H	H	Br	H	heptaflo isopropyl	H	OCF3
19-3408	4-xyanophenyl	Me	Me	N-oxit	H	H	H	Br	H	heptaflo isopropyl	H	OCF3
19-3423	2-clopyriđin-3-yl	Me	Me	N-oxit	H	H	H	Br	H	heptaflo isopropyl	H	OCF3
19-3465	phenyl	Me	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
19-3485	3-xyanophenyl	Me	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
19-3486	4-xyanophenyl	Me	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
19-3501	2-clopyriđin-3-yl	Me	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
19-3543	phenyl	Me	Me	N-oxit	H	H	H	I	H	heptaflo isopropyl	H	OCF3
19-3563	3-xyanophenyl	Me	Me	N-oxit	H	H	H	I	H	heptaflo isopropyl	H	OCF3
19-3564	4-xyanophenyl	Me	Me	N-oxit	H	H	H	I	H	heptaflo isopropyl	H	OCF3
19-3579	2-clopyriđin-3-yl	Me	Me	N-oxit	H	H	H	I	H	heptaflo isopropyl	H	OCF3
19-3621	phenyl	Me	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
19-3641	3-xyanophenyl	Me	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
19-3642	4-xyanophenyl	Me	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
19-3657	2-clopyriđin-3-yl	Me	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
19-3895	phenyl	Me	Me	N-oxit	H	H	H	F	H	heptaflo isopropyl	H	CF3
19-3896	phenyl	Me	Me	N-oxit	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
19-3916	3-xyanophenyl	Me	Me	N-oxit	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
19-3917	4-xyanophenyl	Me	Me	N-oxit	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
19-3932	2-clopyriđin-3-yl	Me	Me	N-oxit	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
19-3974	phenyl	Me	Me	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	CF3

19-3975	phenyl	Me	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
19-3995	3-xyanophenyl	Me	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
19-3996	4-xyanophenyl	Me	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
19-4011	2-clopyriđin-3-yl	Me	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
19-4053	phenyl	Me	Me	N-oxit	H	H	H	Br	H	heptaflo isopropyl	H	CF3
19-4073	3-xyanophenyl	Me	Me	N-oxit	H	H	H	Br	H	heptaflo isopropyl	H	CF3
19-4074	4-xyanophenyl	Me	Me	N-oxit	H	H	H	Br	H	heptaflo isopropyl	H	CF3
19-4089	2-clopyriđin-3-yl	Me	Me	N-oxit	H	H	H	Br	H	heptaflo isopropyl	H	CF3
19-4131	phenyl	Me	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
19-4151	3-xyanophenyl	Me	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
19-4152	4-xyanophenyl	Me	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
19-4167	2-clopyriđin-3-yl	Me	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
19-4209	phenyl	Me	Me	N-oxit	H	H	H	I	H	heptaflo isopropyl	H	CF3
19-4229	3-xyanophenyl	Me	Me	N-oxit	H	H	H	I	H	heptaflo isopropyl	H	CF3
19-4230	4-xyanophenyl	Me	Me	N-oxit	H	H	H	I	H	heptaflo isopropyl	H	CF3
19-4245	2-clopyriđin-3-yl	Me	Me	N-oxit	H	H	H	I	H	heptaflo isopropyl	H	CF3
19-4287	phenyl	Me	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
19-4307	3-xyanophenyl	Me	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
19-4308	4-xyanophenyl	Me	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
19-4323	2-clopyriđin-3-yl	Me	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 19(5)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
19-4561	phenyl	Me	Me	N-oxit	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
19-4592	2-clopyriđin-3-yl	Me	Me	N-oxit	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
19-4617	phenyl	Me	Me	N-oxit	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
19-4648	2-clopyriđin-3-yl	Me	Me	N-oxit	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
19-4673	phenyl	Me	Me	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
19-4704	2-clopyriđin-3-yl	Me	Me	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
19-4729	phenyl	Me	Me	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
19-4760	2-clopyriđin-3-yl	Me	Me	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
19-4785	phenyl	Me	Me	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	CF3
19-4805	3-xyano phenyl	Me	Me	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	CF3
19-4806	4-xyano phenyl	Me	Me	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	CF3
19-4821	2-clopyriđin-3-yl	Me	Me	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	CF3
19-4853	phenyl	Me	Me	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
19-4873	3-xyano phenyl	Me	Me	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
19-4874	4-xyano phenyl	Me	Me	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
19-4889	2-clopyriđin-3-yl	Me	Me	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3



Bảng 20(1)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
20-9	3-bromphenyl	H	Et	N	H	H	H	Cl	F	heptaflo isopropyl	F	Cl
20-39	2-iođopyriđin-3-yl	H	H	N	H	H	H	Cl	Me	nonaflo-2-butyl	Me	I
20-152	3-bromphenyl	H	Et	N	H	H	H	Cl	F	heptaflo isopropyl	F	OCF3
20-182	2-iođopyriđin-3-yl	H	H	N	H	H	H	Cl	Me	nonaflo-2-butyl	Me	OCF3
20-287	phenyl	H	H	N	H	H	H	Cl	F	heptaflo isopropyl	H	CF3
20-288	2-flophenyl	Me	H	N	H	H	H	Cl	H	heptaflo isopropyl	F	CF3
20-289	3-flophenyl	H	Me	N	H	H	H	Cl	Cl	heptaflo isopropyl	H	CF3
20-290	4-flophenyl	Me	Me	N	H	H	H	Cl	H	heptaflo isopropyl	Cl	CF3
20-291	2-clophenyl	H	H	N	H	H	H	F	Br	heptaflo isopropyl	H	CF3
20-292	3-clophenyl	H	H	N	H	H	H	Cl	H	heptaflo isopropyl	Br	CF3
20-293	4-clophenyl	Et	H	N	H	H	H	Cl	I	heptaflo isopropyl	H	C2F5
20-294	2-bromphenyl	H	H	N	H	H	H	Cl	H	heptaflo isopropyl	I	CF3
20-295	3-bromphenyl	H	Et	N	H	H	H	Cl	F	heptaflo isopropyl	F	CF3
20-296	4-bromphenyl	H	H	N	H	H	H	Cl	F	heptaflo isopropyl	Cl	CF3
20-297	2-iođophenyl	H	H	N	H	H	H	Cl	F	heptaflo isopropyl	Br	CF3
20-298	3-iođophenyl	Et	Et	N	H	H	H	Cl	F	pentaflo etyl	I	C2F5
20-299	4-iođophenyl	H	H	N	H	H	H	Cl	Cl	pentaflo etyl	F	CF3
20-300	(2-triflometyl) phenyl	H	H	N	H	H	H	Cl	Cl	heptaflo isopropyl	Cl	CF3

20-301	(3-triflometyl) phenyl	n-Pr	H	N	H	H	H	Cl	Cl	heptaflo isopropyl	Br	CF3
20-302	(4-triflometyl) phenyl	H	H	N	H	H	H	Cl	Cl	heptaflo isopropyl	I	n-C3F7
20-303	2-nitrophenyl	H	n-Pr	N	H	H	H	Cl	Br	heptaflo isopropyl	F	CF3
20-304	3-nitrophenyl	H	H	N	H	H	H	Cl	Br	heptaflo isopropyl	Cl	CF3
20-305	4-nitrophenyl	H	H	N	H	H	H	Cl	Br	heptaflo isopropyl	Br	CF3
20-306	2-xyano phenyl	n-Pr	n-Pr	N	H	H	H	Cl	Br	pentaflo etyl	I	CF3
20-307	3-xyano phenyl	H	H	N	H	H	H	F	I	nonaflo-2-butyl	F	CF3
20-308	4-xyano phenyl	H	H	N	H	H	H	Cl	I	nonaflo-2-butyl	Cl	CF3
20-309	2,6-điflophenyl	H	H	N	H	H	H	Cl	I	nonaflo-2-butyl	Br	CF3
20-310	3,4-điclophenyl	H	H	N	H	H	H	Cl	I	nonaflo-2-butyl	I	CF3
20-311	2,4-điclophenyl	H	H	N	H	H	H	Cl	Me	nonaflo-2-butyl	H	CF3
20-312	2-clo-4-flophenyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	Me	CF3
20-313	2-clo-4,5-điflophenyl	i-Pr	H	N	H	H	H	Cl	Et	nonaflo-2-butyl	H	CF3
20-314	4-brom-2-clophenyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	Et	CF3
20-315	2-brom-4-clophenyl	H	H	N	H	H	H	Cl	n-Pr	nonaflo-2-butyl	H	CF3
20-316	2-brom-4-flophenyl	H	i-Pr	N	H	H	H	Cl	H	nonaflo-2-butyl	n-Pr	CF3
20-317	2-clo-4-nitrophenyl	i-Pr	i-Pr	N	H	H	H	Cl	i-Pr	nonaflo-2-butyl	H	CF3
20-318	3,5-đixyanophenyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	i-Pr	CF3
20-319	4-xyano-2-flophenyl	H	H	N	H	H	H	Cl	n-Bu	nonaflo-2-butyl	H	CF3
20-320	2-clo-4-xyanophenyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	n-Bu	CF3
20-321	pyriđin-3-yl	H	H	N	H	H	H	Cl	i-Bu	nonaflo-2-butyl	H	CF3
20-322	2-flopyriđin-3-yl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	i-Bu	CF3
20-323	2-clopyriđin-3-yl	H	H	N	H	H	H	Cl	s-Bu	nonaflo-2-butyl	H	C2F5
20-324	2-brom pyriđin-3-yl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	s-Bu	CF3
20-325	2-iođopyriđin-3-yl	H	H	N	H	H	H	Cl	Me	nonaflo-2-butyl	Me	n-C3F7
20-326	2-(triflometyl) pyriđin-3-yl	H	H	N	H	H	H	Cl	Me	nonaflo-2-butyl	Et	i-C3F7

20-327	2-nitropyriđin-3-yl	C(O)Me	H	N	H	H	H	Cl	Me	nonaflo-2-butyl	n-Pr	CF3
20-328	2-xyano pyriđin-3-yl	H	H	N	H	H	H	Cl	Me	nonaflo-2-butyl	i-Pr	CF3
20-329	6-flopyriđin-3-yl	H	H	N	H	H	H	Cl	Me	nonaflo-2-butyl	n-Bu	CF3
20-330	6-clopyriđin-3-yl	H	H	N	H	H	H	Cl	Me	nonaflo-2-butyl	i-Bu	CF3
20-331	6-brom pyriđin-3-yl	H	C(O)Me	N	H	H	H	Cl	Me	nonaflo-2-butyl	s-Bu	CF3
20-332	6-iođopyriđin-3-yl	H	H	N	H	H	H	Cl	Et	nonaflo-2-butyl	Me	n-C3F7
20-333	6-(triflometyl) pyriđin-3-yl	H	H	N	H	H	H	Cl	Et	nonaflo-2-butyl	Et	i-C3F7
20-334	6-nitropyriđin-3-yl	C(O)Me	C(O)Me	N	H	H	H	Cl	Et	nonaflo-2-butyl	n-Pr	CF3
20-335	6-xyano pyriđin-3-yl	H	H	N	H	H	H	Cl	Et	nonaflo-2-butyl	i-Pr	CF3
20-336	phenyl	H	H	N	H	H	H	Br	Et	heptaflo isopropyl	n-Bu	CF3
20-337	5-flopyriđin-3-yl	H	H	N	H	H	H	Br	Et	heptaflo isopropyl	i-Bu	CF3

Bảng 20(2)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
20-338	5-clopyriđin-3-yl	H	H	N	H	H	H	Br	Et	heptaflo isopropyl	s-Bu	CF3
20-339	5-brompyriđin-3-yl	H	H	N	H	H	H	Br	n-Pr	heptaflo isopropyl	Me	CF3
20-340	5-iođopyriđin-3-yl	H	H	N	H	H	H	Br	n-Pr	heptaflo isopropyl	Et	CF3
20-341	5-(triflometyl) pyriđin-3-yl	Me	Et	N	H	H	H	Br	n-Pr	pentaflo etyl	n-Pr	CF3
20-342	5-nitropyriđin-3-yl	H	H	N	H	H	H	Br	n-Pr	heptaflo isopropyl	i-Pr	CF3
20-343	5-xyanopyriđin-3-yl	H	H	N	H	H	H	Br	n-Pr	pentaflo etyl	n-Bu	CF3
20-344	4-flopyriđin-3-yl	H	H	N	H	H	H	Br	n-Pr	heptaflo isopropyl	i-Bu	CF3
20-345	4-clopyriđin-3-yl	H	H	N	H	H	H	Br	n-Pr	heptaflo isopropyl	s-Bu	CF3
20-346	4-brompyriđin-3-yl	Me	n-Pr	N	H	H	H	Br	i-Pr	heptaflo isopropyl	Me	CF3
20-347	4-iođopyriđin-3-yl	H	H	N	H	H	H	Br	i-Pr	heptaflo isopropyl	Et	CF3
20-348	4-(triflometyl) pyriđin-3-yl	H	H	N	H	H	H	Br	i-Pr	heptaflo isopropyl	n-Pr	CF3
20-349	4-nitropyriđin-3-yl	H	H	N	H	H	H	Br	i-Pr	heptaflo isopropyl	i-Pr	CF3
20-350	4-xyanopyriđin-3-yl	H	H	N	H	H	H	Br	i-Pr	heptaflo isopropyl	n-Bu	CF3
20-351	2,6-điclopyriđin-3-yl	H	H	N	H	H	H	Br	i-Pr	heptaflo isopropyl	i-Bu	CF3
20-352	pyriđin-3-yl N-oxit	Me	i-Pr	N	H	H	H	Br	i-Pr	heptaflo isopropyl	s-Bu	CF3
20-353	pyriđin-4-yl	H	H	N	H	H	H	Br	n-Bu	heptaflo isopropyl	Me	CF3
20-354	2-clopyriđin-4-yl	H	H	N	H	H	H	Br	n-Bu	heptaflo isopropyl	Et	CF3
20-355	3-brompyriđin-4-yl	H	H	N	H	H	H	Br	n-Bu	heptaflo isopropyl	n-Pr	CF3
20-356	3,5-điclopyriđin-4-yl	H	H	N	H	H	H	Br	n-Bu	nonaflo-2-butyl	i-Pr	CF3
20-357	3-(triflometyl) pyriđin-4-yl	H	H	N	H	H	H	Br	n-Bu	nonaflo-2-butyl	n-Bu	CF3
20-358	2,6-đixyanopyriđin-4-yl	H	H	N	H	H	H	Br	n-Bu	nonaflo-2-butyl	i-Bu	CF3
20-359	pyriđin-4-yl N-oxit	Me	C(O)Me	N	H	H	H	Br	n-Bu	nonaflo-2-butyl	s-Bu	CF3
20-360	pyriđin-2-yl	H	H	N	H	H	H	Br	i-Bu	nonaflo-2-butyl	Me	CF3
20-361	3-clopyriđin-2-yl	H	H	N	H	H	H	Br	i-Bu	nonaflo-2-butyl	Et	CF3

20-362	4-brompyriđin-2-yl	H	H	N	H	H	H	Br	i-Bu	nonaflo-2-butyl	n-Pr	CF3
20-363	5-iođopyriđin-2-yl	H	H	N	H	H	H	Br	i-Bu	nonaflo-2-butyl	i-Pr	CF3
20-364	6-clopyriđin-2-yl	H	H	N	H	H	H	Br	i-Bu	nonaflo-2-butyl	n-Bu	CF3
20-365	4-xyanopyriđin-2-yl	H	H	N	H	H	H	Br	i-Bu	nonaflo-2-butyl	i-Bu	CF3
20-366	phenyl	H	H	N	H	H	H	Br	i-Bu	nonaflo-2-butyl	s-Bu	C2F5
20-367	2-flophenyl	H	H	N	H	H	H	Br	s-Bu	nonaflo-2-butyl	Me	CF3
20-368	3-flophenyl	H	H	N	H	H	H	Br	s-Bu	nonaflo-2-butyl	Et	CF3
20-369	4-flophenyl	H	H	N	H	H	H	Br	s-Bu	nonaflo-2-butyl	n-Pr	CF3
20-370	2-clophenyl	H	H	N	H	H	H	Br	s-Bu	nonaflo-2-butyl	i-Pr	CF3
20-371	3-clophenyl	H	H	N	H	H	H	Br	s-Bu	nonaflo-2-butyl	n-Bu	CF3
20-372	4-clophenyl	H	H	N	H	H	H	Br	s-Bu	nonaflo-2-butyl	i-Bu	CF3
20-373	2-bromphenyl	Et	Me	N	H	H	H	Br	s-Bu	nonaflo-2-butyl	s-Bu	CF3
20-374	3-bromphenyl	H	H	N	H	H	H	Br	F	nonaflo-2-butyl	Me	CF3
20-375	4-bromphenyl	H	H	N	H	H	H	Br	F	nonaflo-2-butyl	Et	CF3
20-376	2-iođophenyl	H	H	N	H	H	H	Br	F	nonaflo-2-butyl	n-Pr	CF3
20-377	3-iođophenyl	H	H	N	H	H	H	Br	F	nonaflo-2-butyl	i-Pr	CF3
20-378	4-iođophenyl	H	H	N	H	H	H	Br	F	nonaflo-2-butyl	n-Bu	CF3
20-379	(2-triflometyl) phenyl	H	H	N	H	H	H	Br	F	nonaflo-2-butyl	i-Bu	CF3
20-380	(3-triflometyl) phenyl	Et	n-Pr	N	H	H	H	Br	F	nonaflo-2-butyl	s-Bu	CF3
20-381	(4-triflometyl) phenyl	Et	i-Pr	N	H	H	H	Br	Cl	nonaflo-2-butyl	Me	CF3
20-382	2-nitrophenyl	H	H	N	H	H	H	Br	Cl	nonaflo-2-butyl	Et	CF3
20-383	phenyl	H	H	N	H	H	H	I	Cl	pentaflo etyl	n-Pr	i-C3F7
20-384	3-nitrophenyl	H	H	N	H	H	H	I	Cl	heptaflo isopropyl	i-Pr	CF3
20-385	4-nitrophenyl	H	H	N	H	H	H	I	Cl	heptaflo isopropyl	n-Bu	CF3
20-386	2-xyanophenyl	Et	C(O)Me	N	H	H	H	I	Cl	heptaflo isopropyl	i-Bu	CF3
20-387	3-xyanophenyl	H	H	N	H	H	H	I	Cl	heptaflo isopropyl	s-Bu	CF3

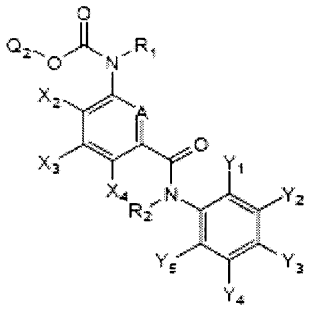
20-388	4-xyanophenyl	H	H	N	H	H	H	I	Br	heptaflo isopropyl	Me	CF3
20-389	2,6-điflophenyl	H	H	N	H	H	H	I	Br	heptaflo isopropyl	Et	CF3
20-390	3,4-điclophenyl	H	H	N	H	H	H	I	Br	pentaflo etyl	n-Pr	CF3
20-391	2,4-điclophenyl	H	H	N	H	H	H	I	Br	heptaflo isopropyl	i-Pr	CF3
20-392	2-clo-4-flophenyl	H	H	N	H	H	H	I	Br	Heptaflo isopropyl	n-Bu	CF3
20-393	2-clo-4,5-điflophenyl	H	H	N	H	H	H	I	Br	heptaflo isopropyl	i-Bu	CF3
20-394	4-brom-2-clophenyl	H	H	N	H	H	H	I	Br	heptaflo isopropyl	s-Bu	CF3
20-395	2-brom-4-clophenyl	n-Pr	Me	N	H	H	H	I	I	heptaflo isopropyl	Me	CF3
20-396	2-brom-4-flophenyl	H	H	N	H	H	H	I	I	heptaflo isopropyl	Et	CF3
20-397	2-clo-4-nitrophenyl	n-Pr	Et	N	H	H	H	I	I	heptaflo isopropyl	n-Pr	CF3
20-398	3,5-đixyanophenyl	H	H	N	H	H	H	I	I	heptaflo isopropyl	i-Pr	CF3
20-399	4-xyano-2-flophenyl	H	H	N	H	H	H	I	I	heptaflo isopropyl	n-Bu	CF3
20-400	2-clo-4-xyanophenyl	H	H	N	H	H	H	I	I	heptaflo isopropyl	i-Bu	CF3
20-401	pyridin-3-yl	H	H	N	H	H	H	I	I	heptaflo isopropyl	s-Bu	CF3

Bảng 20(3)

Số hợp chất	Q1	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
20-402	2-flopyriđin-3-yl	H	H	N	H	H	H	I	Me	heptaflo isopropyl	F	C2F5
20-403	2-clopyriđin-3-yl	H	H	N	H	H	H	I	Me	nonaflo-2-butyl	Cl	CF3
20-404	2-brom pyriđin-3-yl	H	H	N	H	H	H	I	Me	nonaflo-2-butyl	Br	n-C3F7
20-405	2-iođo pyriđin-3-yl	H	H	N	H	H	H	I	Me	nonaflo-2-butyl	I	i-C3F7
20-406	2-(triflometyl) pyriđin-3-yl	H	H	N	H	H	H	I	Et	nonaflo-2-butyl	F	CF3
20-407	2-nitro pyriđin-3-yl	H	H	N	H	H	H	I	Et	nonaflo-2-butyl	Cl	CF3
20-408	2-xyano pyriđin-3-yl	H	H	N	H	H	H	I	Et	nonaflo-2-butyl	Br	CF3
20-409	6-flopyriđin-3-yl	n-Pr	i-Pr	N	H	H	H	I	Et	nonaflo-2-butyl	I	C2F5
20-410	6-clopyriđin-3-yl	H	H	N	H	H	H	I	n-Pr	nonaflo-2-butyl	F	CF3
20-411	6-brom pyriđin-3-yl	H	H	N	H	H	H	I	n-Pr	nonaflo-2-butyl	Cl	CF3
20-412	6-iođo pyriđin-3-yl	H	H	N	H	H	H	I	n-Pr	nonaflo-2-butyl	Br	CF3
20-413	6-(triflometyl) pyriđin-3-yl	H	H	N	H	H	H	I	n-Pr	nonaflo-2-butyl	I	n-C3F7
20-414	6-nitro pyriđin-3-yl	H	H	N	H	H	H	I	i-Pr	nonaflo-2-butyl	F	i-C3F7
20-415	6-xyano pyriđin-3-yl	H	H	N	H	H	H	I	i-Pr	nonaflo-2-butyl	Cl	CF3
20-416	5-flopyriđin-3-yl	n-Pr	C(O) Me	N	H	H	H	I	i-Pr	nonaflo-2-butyl	Br	CF3
20-417	5-clopyriđin-3-yl	H	H	N	H	H	H	I	i-Pr	nonaflo-2-butyl	I	CF3
20-418	5-brom pyriđin-3-yl	H	H	N	H	H	H	I	n-Bu	nonaflo-2-butyl	F	CF3
20-419	5-iođo pyriđin-3-yl	H	H	N	H	H	H	I	n-Bu	nonaflo-2-butyl	Cl	CF3
20-420	5-(triflometyl) pyriđin-3-yl	H	H	N	H	H	H	I	n-Bu	nonaflo-2-butyl	Br	CF3
20-421	5-nitro pyriđin-3-yl	i-Pr	Me	N	H	H	H	I	n-Bu	nonaflo-2-butyl	I	CF3

20-422	5-xyano pyriđin-3-yl	H	H	N	H	H	H	I	i-Bu	nonaflo-2-butyl	F	CF3
20-423	4-flopyriđin-3-yl	H	H	N	H	H	H	I	i-Bu	nonaflo-2-butyl	Cl	CF3
20-424	4-clopyriđin-3-yl	H	H	N	H	H	H	I	i-Bu	nonaflo-2-butyl	Br	CF3
20-425	4-brom pyriđin-3-yl	i-Pr	Et	N	H	H	H	I	i-Bu	nonaflo-2-butyl	I	CF3
20-426	4-iođo pyriđin-3-yl	i-Pr	n-Pr	N	H	H	H	I	s-Bu	nonaflo-2-butyl	F	CF3
20-427	4-(triflometyl) pyriđin-3-yl	H	H	N	H	H	H	I	s-Bu	nonaflo-2-butyl	Cl	CF3
20-428	4-nitro pyriđin-3-yl	i-Pr	C(O) Me	N	H	H	H	I	s-Bu	nonaflo-2-butyl	Br	CF3
20-429	4-xyano pyriđin-3-yl	H	H	N	H	H	H	I	s-Bu	nonaflo-2-butyl	I	CF3
20-438	3-brom phenyl	H	Et	N	H	H	H	OCF3	F	heptaflo isopropyl	F	OCF3
20-468	2-iođo pyriđin-3-yl	H	H	N	H	H	H	OCF3	Me	nonaflo-2-butyl	Me	OCF3
20-581	3-brom phenyl	H	Et	N	H	H	H	OCF3	F	heptaflo isopropyl	F	CF3
20-611	2-iođo pyriđin-3-yl	H	H	N	H	H	H	OCF3	Me	nonaflo-2-butyl	Me	CF3
20-724	3-brom phenyl	H	Et	N	H	H	H	CF3	F	heptaflo isopropyl	F	CF3
20-754	2-iođo pyriđin-3-yl	H	H	N	H	H	H	CF3	Me	nonaflo-2-butyl	Me	CF3
20-867	3-brom phenyl	H	Et	N-oxit	H	H	H	Cl	F	heptaflo isopropyl	F	Cl
20-897	2-iođo pyriđin-3-yl	H	H	N-oxit	H	H	H	Cl	Me	nonaflo-2-butyl	Me	I
20-1010	3-brom phenyl	H	Et	N-oxit	H	H	H	Cl	F	heptaflo isopropyl	F	OCF3
20-1040	2-iođo pyriđin-3-yl	H	H	N-oxit	H	H	H	Cl	Me	nonaflo-2-butyl	Me	OCF3
20-1154	4-brom phenyl	H	H	N-oxit	H	H	H	Cl	F	heptaflo isopropyl	Cl	CF3
20-1169	2,4-điclophenyl	H	H	N-oxit	H	H	H	Cl	Me	nonaflo-2-butyl	H	CF3
20-1233	4-brom phenyl	H	H	N-oxit	H	H	H	Br	F	nonaflo-2-butyl	Et	CF3
20-1261	2-clopyriđin-3-yl	H	H	N-oxit	H	H	H	I	Me	nonaflo-2-butyl	Cl	CF3

20-1296	3-brom phenyl	H	Et	N-oxit	H	H	H	OCF3	F	heptaflo isopropyl	F	OCF3
20-1326	2-iođo pyriđin-3-yl	H	H	N-oxit	H	H	H	OCF3	Me	nonaflo-2-butyl	Me	OCF3
20-1439	3-brom phenyl	H	Et	N-oxit	H	H	H	OCF3	F	heptaflo isopropyl	F	CF3
20-1469	2-iođo pyriđin-3-yl	H	H	N-oxit	H	H	H	OCF3	Me	nonaflo-2-butyl	Me	CF3
20-1582	3-brom phenyl	H	Et	N-oxit	H	H	H	CF3	F	heptaflo isopropyl	F	CF3
20-1612	2-iođo pyriđin-3-yl	H	H	N-oxit	H	H	H	CF3	Me	nonaflo-2-butyl	Me	CF3



Bảng 21(1)

Số hợp	Q2	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
21-1	2,2,2-tricloetyl	H	H	N	H	H	H	F	H	heptafloisopropyl	H	F
21-2	2,2,2-tricloetyl	H	H	N	H	H	H	F	H	nonaflo-2-butyl	H	F
21-13	2,2,2-tricloetyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	Cl
21-14	2,2,2-tribrometyl	H	H	N	H	H	H	Cl	H	pentafloetyl	H	Cl
21-22	1,3-điclo-2-propyl	H	H	N	H	H	H	Cl	H	pentafloetyl	H	Cl
21-26	4,4,4-triflo-n-butyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	Cl
21-42	2,2,2-tricloetyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
21-55	4,4,4-triflo-n-butyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
21-71	2,2,2-tricloetyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	Br
21-74	3-flo-n-propyl	H	H	N	H	H	H	Br	H	pentafloetyl	H	Br
21-80	1,3-điclo-2-propyl	H	H	N	H	H	H	Br	H	pentafloetyl	H	Br
21-84	4,4,4-triflo-n-butyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	Br
21-100	2,2,2-tricloetyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	Br
21-113	4,4,4-triflo-n-butyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	Br
21-129	2,2,2-tricloetyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	I
21-131	n-propyl	H	H	N	H	H	H	I	H	pentafloetyl	H	I
21-138	1,3-điclo-2-propyl	H	H	N	H	H	H	I	H	pentafloetyl	H	I
21-142	4,4,4-triflo-n-butyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	I
21-158	2,2,2-tricloetyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	I
21-171	4,4,4-triflo-n-butyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	I
21-177	2,2,2-tricloetyl	H	H	N	H	H	H	F	H	heptafloisopropyl	H	Cl
21-178	2,2,2-tricloetyl	H	H	N	H	H	H	F	H	heptafloisopropyl	H	Br
21-179	2,2,2-tricloetyl	H	H	N	H	H	H	F	H	heptafloisopropyl	H	I
21-180	2,2,2-tricloetyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	Br
21-181	2,2,2-tricloetyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	I
21-182	2,2,2-tricloetyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	I
21-183	2,2,2-tricloetyl	H	H	N	H	H	H	F	H	nonaflo-2-butyl	H	Cl

21-184	2,2,2-tricloetyl	H	H	N	H	H	H	F	H	nonaflo-2-butyl	H	Br
21-185	2,2,2-tricloetyl	H	H	N	H	H	H	F	H	nonaflo-2-butyl	H	I
21-186	2,2,2-tricloetyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	Br
21-187	2,2,2-tricloetyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	I
21-188	2,2,2-tricloetyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	I
21-189	2,2,2-tricloetyl	H	H	N	H	H	H	F	H	heptafloisopropyl	H	OCF3
21-190	2,2,2-tricloetyl	H	H	N	H	H	H	F	H	nonaflo-2-butyl	H	OCF3
21-201	2,2,2-tricloetyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
21-202	2,2,2-tribrometyl	H	H	N	H	H	H	Cl	H	pentafloetyl	H	OCF3
21-206	3-brom-n-propyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	OC2F5
21-210	1,3-diclo-2-propyl	H	H	N	H	H	H	Cl	H	pentafloetyl	H	OC2F5
21-214	4,4,4-triflo-n-butyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
21-226	2-xyanoetyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OC2F5
21-230	2,2,2-tricloetyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
21-243	4,4,4-triflo-n-butyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
21-245	s-butyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OC2F5
21-254	2-iodoetyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	OC2F5
21-259	2,2,2-tricloetyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	OCF3
21-260	2,2,2-tribrometyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	OCF3
21-272	4,4,4-triflo-n-butyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	OCF3
21-288	2,2,2-tricloetyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
21-289	2,2,2-tribrometyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	OC2F5
21-301	4,4,4-triflo-n-butyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
21-317	2,2,2-tricloetyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	OCF3
21-321	3-clo-n-propyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	OC2F5
21-330	4,4,4-triflo-n-butyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	OCF3
21-346	2,2,2-tricloetyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
21-359	4,4,4-triflo-n-butyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	OCF3

Bảng 21(2)

Số hợp chất	Q2	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
21-363	benzyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	OC2F5
21-365	2,2,2-tricloetyl	H	H	N	H	H	H	F	H	heptafloisopropyl	H	CF3
21-366	2,2,2-tricloetyl	H	H	N	H	H	H	F	H	nonaflo-2-butyl	H	CF3
21-373	2-xyanoetyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	C2F5
21-377	2,2,2-tricloetyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	CF3
21-378	2,2,2-tribrometyl	H	H	N	H	H	H	Cl	H	pentafloetyl	H	CF3
21-383	i-propyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
21-390	4,4,4-triflo-n-butyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	H	CF3
21-397	etyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
21-406	2,2,2-tricloetyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
21-419	4,4,4-triflo-n-butyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
21-425	metyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-426	etyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-427	2-floetyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-428	2-cloetyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-429	2-brometyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-430	2-iodoetyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-431	2-xyanoetyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	C2F5
21-432	2,2-đifloetyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-433	2,2-đicloetyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-434	2,2,2-trifloetyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-435	2,2,2-tricloetyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-436	2,2,2-tribrometyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-437	n-propyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-438	3-flo-n-propyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-439	3-clo-n-propyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-440	3-brom-n-propyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3

21-441	i-propyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-442	1,2-diflo-2-propyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	n-C3F7
21-443	1,3-diflo-2-propyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-444	1,3-diclo-2-propyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-445	1-clo-3-flo-2-propyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-446	3,3,3-triflo-n-propyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-447	n-butyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-448	4,4,4-triflo-n-butyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-449	i-butyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-450	s-butyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-451	vinyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-452	benzyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-453	phenyl	H	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-454	metyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-455	etyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-456	2-floetyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-457	2-cloetyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-458	2-brometyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-459	2-iodoetyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-460	2-xyanoetyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-461	2,2-difloetyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-462	2,2-dicloetyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-463	2,2,2-trifloetyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-464	2,2,2-tricloetyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-465	2,2,2-tribrometyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-466	n-propyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-467	3-flo-n-propyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-468	3-clo-n-propyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-469	3-brom-n-propyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3

21-470	i-propyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-471	1,2-diflo-2-propyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-472	1,3-diflo-2-propyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-473	1,3-diclo-2-propyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-474	1-clo-3-flo-2-propyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-475	3,3,3-triflo-n-propyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-476	n-butyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-477	4,4,4-triflo-n-butyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3

Bảng 21(3)

Số hợp chất	Q2	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
21-478	i-butyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-479	s-butyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-480	vinyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-481	benzyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-482	phenyl	H	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	i-C3F7
21-483	metyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-484	etyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-485	2-floetyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-486	2-cloetyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-487	2-brometyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-488	2-iođoetyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-489	2-xyanoetyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-490	2,2-đifloetyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-491	2,2-đicloetyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-492	2,2,2-trifloetyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-493	2,2,2-tricloetyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-494	2,2,2-tribrometyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-495	n-propyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-496	3-flo-n-propyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-497	3-clo-n-propyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-498	3-brom-n-propyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	C2F5
21-499	i-propyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-500	1,2-điflo-2-propyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-501	1,3-điflo-2-propyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3

21-502	1,3-diclo-2-propyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-503	1-clo-3-flo-2-propyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-504	3,3,3-triflo-n-propyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-505	n-butyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-506	4,4,4-triflo-n-butyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-507	i-butyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-508	s-butyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-509	vinyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-510	benzyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-511	phenyl	H	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
21-512	metyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-513	etyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-514	2-floetyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-515	2-cloetyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-516	2-brometyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-517	2-iodoetyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-518	2-xyanoetyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-519	2,2-difloetyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-520	2,2-dicloetyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-521	2,2,2-trifloetyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-522	2,2,2-tricloetyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-523	2,2,2-tribrometyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-524	n-propyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	n-C3F7
21-525	3-flo-n-propyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-526	3-clo-n-propyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-527	3-brom-n-propyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3

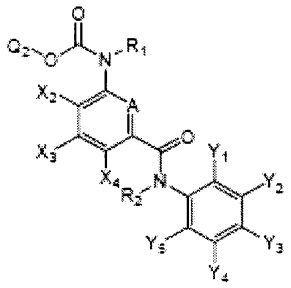
21-528	i-propyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-529	1,2-diflo-2-propyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-530	1,3-diflo-2-propyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-531	1,3-diclo-2-propyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-532	1-clo-3-flo-2-propyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-533	3,3,3-triflo-n-propyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-534	n-butyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-535	4,4,4-triflo-n-butyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-536	i-butyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-537	s-butyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-538	vinyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	i-C3F7
21-539	benzyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-540	phenyl	H	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-547	2-xyanoetyl	H	H	N	H	H	H	OCF3	H	heptafloisopropyl	H	OC2F5

Bảng 21(4)

Số hợp chất	Q2	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
21-551	2,2,2-tricloetyl	H	H	N	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
21-552	2,2,2-tribrometyl	H	H	N	H	H	H	OCF3	H	pentafloetyl	H	OCF3
21-561	1-clo-3-flo-2-propyl	H	H	N	H	H	H	OC2F5	H	heptafloisopropyl	H	OC2F5
21-564	4,4,4-triflo-n-butyl	H	H	N	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
21-566	s-butyl	H	H	N	H	H	H	OC2F5	H	heptafloisopropyl	H	OCF3
21-576	2-xyanoetyl	H	H	N	H	H	H	OC2F5	H	nonaflo-2-butyl	H	OCF3
21-580	2,2,2-tricloetyl	H	H	N	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
21-581	2,2,2-tribrometyl	H	H	N	H	H	H	OCF3	H	nonaflo-2-butyl	H	OC2F5
21-592	n-butyl	H	H	N	H	H	H	OC2F5	H	nonaflo-2-butyl	H	OC2F5
21-593	4,4,4-triflo-n-butyl	H	H	N	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
21-605	2-xyanoetyl	H	H	N	H	H	H	CF3	H	heptafloisopropyl	H	OC2F5
21-609	2,2,2-tricloetyl	H	H	N	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
21-610	2,2,2-tribrometyl	H	H	N	H	H	H	C2F5	H	heptafloisopropyl	H	OC2F5
21-621	n-butyl	H	H	N	H	H	H	n-C3F7	H	heptafloisopropyl	H	OCF3
21-622	4,4,4-triflo-n-butyl	H	H	N	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
21-625	vinyl	H	H	N	H	H	H	i-C3F7	H	heptafloisopropyl	H	OCF3
21-633	2-iodoetyl	H	H	N	H	H	H	C2F5	H	nonaflo-2-butyl	H	OCF3
21-638	2,2,2-tricloetyl	H	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
21-640	n-propyl	H	H	N	H	H	H	n-C3F7	H	nonaflo-2-butyl	H	OCF3
21-644	i-propyl	H	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	OC2F5
21-651	4,4,4-triflo-n-butyl	H	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
21-652	i-butyl	H	H	N	H	H	H	i-C3F7	H	nonaflo-2-butyl	H	OCF3
21-655	benzyl	H	H	N	H	H	H	n-C3F7	H	nonaflo-2-butyl	H	OC2F5
21-656	phenyl	H	H	N	H	H	H	i-C3F7	H	nonaflo-2-butyl	H	OC2F5

21-667	2,2,2-tricloetyl	H	H	N	H	H	H	CF3	H	heptafloisopropyl	H	CF3
21-670	3-flo-n-propyl	H	H	N	H	H	H	C2F5	H	heptafloisopropyl	H	CF3
21-673	i-propyl	H	H	N	H	H	H	i-C3F7	H	heptafloisopropyl	H	CF3
21-675	1,3-diflo-2-propyl	H	H	N	H	H	H	CF3	H	pentafloetyl	H	CF3
21-679	n-butyl	H	H	N	H	H	H	C2F5	H	heptafloisopropyl	H	C2F5
21-680	4,4,4-triflo-n-butyl	H	H	N	H	H	H	CF3	H	heptafloisopropyl	H	CF3
21-681	i-butyl	H	H	N	H	H	H	C2F5	H	heptafloisopropyl	H	n-C3F7
21-683	vinyl	H	H	N	H	H	H	n-C3F7	H	heptafloisopropyl	H	CF3
21-696	2,2,2-tricloetyl	H	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
21-708	n-butyl	H	H	N	H	H	H	C2F5	H	nonaflo-2-butyl	H	i-C3F7
21-709	4,4,4-triflo-n-butyl	H	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
21-712	vinyl	H	H	N	H	H	H	n-C3F7	H	nonaflo-2-butyl	H	i-C3F7
21-715	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	F	H	heptafloisopropyl	H	F
21-716	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	F
21-727	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	Cl
21-756	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
21-785	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	Br
21-814	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	Br
21-843	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	I
21-872	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	I
21-894	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	Br
21-903	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	F	H	heptafloisopropyl	H	OCF3
21-904	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	OCF3
21-915	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
21-944	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
21-973	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	OCF3

21-1002	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
21-1031	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	OCF3
21-1060	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
21-1079	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	F	H	heptafloisopropyl	H	CF3
21-1080	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	CF3
21-1091	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	CF3
21-1120	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
21-1149	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	CF3
21-1178	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
21-1207	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
21-1236	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
21-1265	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
21-1294	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
21-1323	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
21-1352	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
21-1381	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	CF3
21-1410	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3



Bảng 22(1)

Số hợp chất	Q2	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
22-1	2,2,2-tricloetyl	Me	H	N	H	H	H	F	H	heptafloisopropyl	H	F
22-2	2,2,2-tricloetyl	Me	H	N	H	H	H	F	H	nonaflo-2-butyl	H	F
22-13	2,2,2-tricloetyl	Me	H	N	H	H	H	Cl	H	heptafloisopropyl	H	Cl
22-42	2,2,2-tricloetyl	Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
22-71	2,2,2-tricloetyl	Me	H	N	H	H	H	Br	H	heptafloisopropyl	H	Br
22-100	2,2,2-tricloetyl	Me	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	Br
22-129	2,2,2-tricloetyl	Me	H	N	H	H	H	I	H	heptafloisopropyl	H	I
22-158	2,2,2-tricloetyl	Me	H	N	H	H	H	I	H	nonaflo-2-butyl	H	I
22-186	2,2,2-tricloetyl	Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	Br
22-189	2,2,2-tricloetyl	Me	H	N	H	H	H	F	H	heptafloisopropyl	H	OCF3
22-190	2,2,2-tricloetyl	Me	H	N	H	H	H	F	H	nonaflo-2-butyl	H	OCF3
22-201	2,2,2-tricloetyl	Me	H	N	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
22-230	2,2,2-tricloetyl	Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
22-259	2,2,2-tricloetyl	Me	H	N	H	H	H	Br	H	heptafloisopropyl	H	OCF3
22-288	2,2,2-tricloetyl	Me	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
22-317	2,2,2-tricloetyl	Me	H	N	H	H	H	I	H	heptafloisopropyl	H	OCF3
22-346	2,2,2-tricloetyl	Me	H	N	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
22-365	2,2,2-tricloetyl	Me	H	N	H	H	H	F	H	heptafloisopropyl	H	CF3
22-366	2,2,2-tricloetyl	Me	H	N	H	H	H	F	H	nonaflo-2-butyl	H	CF3

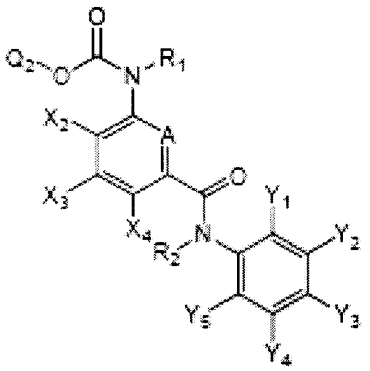
22-373	2-xyanoetyl	Et	H	N	H	H	H	Cl	H	heptafloisopropyl	H	C2F5
22-377	2,2,2-tricloetyl	Me	H	N	H	H	H	Cl	H	heptafloisopropyl	H	CF3
22-379	n-propyl	Me	H	N	H	H	H	Cl	H	pentafloetyl	H	CF3
22-383	i-propyl	n-Pr	H	N	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
22-386	1,3-diclo-2-propyl	Me	H	N	H	H	H	Cl	H	pentafloetyl	H	CF3
22-387	1-clo-3-flo-2-propyl	i-Pr	H	N	H	H	H	Cl	H	heptafloisopropyl	H	CF3
22-390	4,4,4-triflo-n-butyl	Me	H	N	H	H	H	Cl	H	heptafloisopropyl	H	CF3
22-391	i-butyl	CH2CH = CH2	H	N	H	H	H	Cl	H	heptafloisopropyl	H	CF3
22-397	etyl	Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
22-402	2-xyanoetyl	CN	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
22-406	2,2,2-tricloetyl	Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
22-408	n-propyl	CH2C≡CH	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
22-419	4,4,4-triflo-n-butyl	Me	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
22-420	i-butyl	NH2	H	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
22-431	2-xyanoetyl	Me	H	N	H	H	H	Br	H	heptafloisopropyl	H	C2F5
22-435	2,2,2-tricloetyl	Me	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
22-438	3-flo-n-propyl	C(O)OMe	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
22-442	1,2-diflo-2-propyl	Me	H	N	H	H	H	Br	H	heptafloisopropyl	H	n-C3F7
22-448	4,4,4-triflo-n-butyl	Me	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
22-451	vinyl	C(O)C(O)OMe	H	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
22-464	2,2,2-tricloetyl	Me	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
22-466	n-propyl	C(O)OEt	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
22-470	i-propyl	C(O)Me	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
22-477	4,4,4-triflo-n-butyl	Me	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
22-482	phenyl	C(O)C(O)OEt	H	N	H	H	H	Br	H	nonaflo-2-butyl	H	i-C3F7
22-493	2,2,2-tricloetyl	Me	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
22-498	3-brom-n-propyl	C(O)Et	H	N	H	H	H	I	H	heptafloisopropyl	H	C2F5

22-506	4,4,4-triflo-n-butyl	Me	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
22-510	benzyl	S(O)2Me	H	N	H	H	H	I	H	heptafloisopropyl	H	CF3
22-518	2-xyanoetyl	S(O)2Et	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
22-522	2,2,2-tricloetyl	Me	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
22-523	2,2,2-tribrometyl	Me	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
22-524	n-propyl	CH2Ph	H	N	H	H	H	I	H	nonaflo-2-butyl	H	n-C3F7
22-528	i-propyl	CH2(3-Py)	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
22-535	4,4,4-triflo-n-butyl	Me	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
22-537	s-butyl	CH2(3-Py-N-oxit)	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 22(2)

Số hợp chất	Q2	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
22-538	vinyl	Me	H	N	H	H	H	I	H	nonaflo-2-butyl	H	i-C3F7
22-539	benzyl	Me	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
22-540	phenyl	Me	H	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
22-551	2,2,2-tricloetyl	Me	H	N	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
22-580	2,2,2-tricloetyl	Me	H	N	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
22-609	2,2,2-tricloetyl	Me	H	N	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
22-638	2,2,2-tricloetyl	Me	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
22-667	2,2,2-tricloetyl	Me	H	N	H	H	H	CF3	H	heptafloisopropyl	H	CF3
22-696	2,2,2-tricloetyl	Me	H	N	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
22-715	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	F	H	heptafloisopropyl	H	F
22-716	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	F
22-727	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	Cl
22-756	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
22-785	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	Br
22-814	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	Br
22-843	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	I
22-872	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	I
22-894	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	Br
22-903	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	F	H	heptafloisopropyl	H	OCF3
22-904	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	OCF3
22-915	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
22-944	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3

22-973	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	OCF3
22-1002	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
22-1031	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	OCF3
22-1060	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
22-1079	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	F	H	heptafloisopropyl	H	CF3
22-1080	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	CF3
22-1091	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	CF3
22-1120	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
22-1149	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	CF3
22-1178	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
22-1207	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
22-1236	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
22-1265	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
22-1294	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
22-1323	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
22-1352	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
22-1381	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	CF3
22-1410	2,2,2-tricloetyl	Me	H	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3



Bảng 23(1)

Số hợp chất	Q2	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
23-1	2,2,2-tricloetyl	H	Me	N	H	H	H	F	H	heptafloisopropyl	H	F
23-2	2,2,2-tricloetyl	H	Me	N	H	H	H	F	H	nonaflo-2-butyl	H	F
23-13	2,2,2-tricloetyl	H	Me	N	H	H	H	Cl	H	heptafloisopropyl	H	Cl
23-42	2,2,2-tricloetyl	H	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
23-100	2,2,2-tricloetyl	H	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	Br
23-129	2,2,2-tricloetyl	H	Me	N	H	H	H	I	H	heptafloisopropyl	H	I
23-158	2,2,2-tricloetyl	H	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	I
23-186	2,2,2-tricloetyl	H	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	Br
23-189	2,2,2-tricloetyl	H	Me	N	H	H	H	F	H	heptafloisopropyl	H	OCF3
23-190	2,2,2-tricloetyl	H	Me	N	H	H	H	F	H	nonaflo-2-butyl	H	OCF3
23-201	2,2,2-tricloetyl	H	Me	N	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
23-230	2,2,2-tricloetyl	H	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
23-259	2,2,2-tricloetyl	H	Me	N	H	H	H	Br	H	heptafloisopropyl	H	OCF3
23-288	2,2,2-tricloetyl	H	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
23-317	2,2,2-tricloetyl	H	Me	N	H	H	H	I	H	heptafloisopropyl	H	OCF3
23-346	2,2,2-tricloetyl	H	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
23-365	2,2,2-tricloetyl	H	Me	N	H	H	H	F	H	heptafloisopropyl	H	CF3
23-366	2,2,2-tricloetyl	H	Me	N	H	H	H	F	H	nonaflo-2-butyl	H	CF3

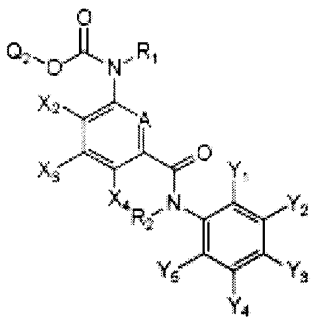
23-373	2-xyanoetyl	H	Et	N	H	H	H	Cl	H	heptafloisopropyl	H	C2F5
23-377	2,2,2-tricloetyl	H	Me	N	H	H	H	Cl	H	heptafloisopropyl	H	CF3
23-379	n-propyl	H	Me	N	H	H	H	Cl	H	pentafloetyl	H	CF3
23-383	i-propyl	H	n-Pr	N	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
23-386	1,3-diclo-2-propyl	H	Me	N	H	H	H	Cl	H	pentafloetyl	H	CF3
23-387	1-clo-3-flo-2-propyl	H	i-Pr	N	H	H	H	Cl	H	heptafloisopropyl	H	CF3
23-391	i-butyl	H	CH2CH = CH2	N	H	H	H	Cl	H	heptafloisopropyl	H	CF3
23-397	etyl	H	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
23-402	2-xyanoetyl	H	CN	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
23-406	2,2,2-tricloetyl	H	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
23-408	n-propyl	H	CH2C≡CH	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
23-420	i-butyl	H	NH2	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
23-431	2-xyanoetyl	H	Me	N	H	H	H	Br	H	heptafloisopropyl	H	C2F5
23-435	2,2,2-tricloetyl	H	Me	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
23-437	n-propyl	H	C(O)OMe	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
23-442	1,2-diflo-2-propyl	H	Me	N	H	H	H	Br	H	heptafloisopropyl	H	n-C3F7
23-448	4,4,4-triflo-n-butyl	H	Me	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
23-451	vinyl	H	C(O)C(O)OMe	N	H	H	H	Br	H	heptafloisopropyl	H	CF3
23-464	2,2,2-tricloetyl	H	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
23-466	n-propyl	H	C(O)OEt	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
23-470	i-propyl	H	C(O)Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
23-477	4,4,4-triflo-n-butyl	H	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
23-482	phenyl	H	C(O)C(O)OEt	N	H	H	H	Br	H	nonaflo-2-butyl	H	i-C3F7
23-493	2,2,2-tricloetyl	H	Me	N	H	H	H	I	H	heptafloisopropyl	H	CF3
23-498	3-brom-n-propyl	H	C(O)Et	N	H	H	H	I	H	heptafloisopropyl	H	C2F5
23-506	4,4,4-triflo-n-butyl	H	Me	N	H	H	H	I	H	heptafloisopropyl	H	CF3
23-510	benzyl	H	S(O)2Me	N	H	H	H	I	H	heptafloisopropyl	H	CF3

23-518	2-xyanoetyl	H	S(O)2Et	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
23-522	2,2,2-tricloetyl	H	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
23-524	n-propyl	H	CH2Ph	N	H	H	H	I	H	nonaflo-2-butyl	H	n-C3F7
23-528	i-propyl	H	CH2(3-Py)	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
23-535	4,4,4-triflo-n-butyl	H	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
23-537	s-butyl	H	CH2(3-Py-N-oxit)	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
23-538	vinyl	H	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	i-C3F7
23-551	2,2,2-tricloetyl	H	Me	N	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
23-580	2,2,2-tricloetyl	H	Me	N	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
23-609	2,2,2-tricloetyl	H	Me	N	H	H	H	CF3	H	heptafloisopropyl	H	OCF3

Bảng 23(2)

Số hợp chất	Q2	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
23-638	2,2,2-tricloetyl	H	Me	N	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
23-667	2,2,2-tricloetyl	H	Me	N	H	H	H	CF3	H	heptafloisopropyl	H	CF3
23-696	2,2,2-tricloetyl	H	Me	N	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
23-715	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	F	H	heptafloisopropyl	H	F
23-716	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	F
23-727	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	Cl
23-756	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
23-785	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	Br
23-814	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	Br
23-843	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	I	H	heptafloisopropyl	H	I
23-872	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	I
23-895	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	I
23-903	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	F	H	heptafloisopropyl	H	OCF3
23-904	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	OCF3
23-915	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
23-944	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
23-973	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	OCF3
23-1002	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
23-1031	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	I	H	heptafloisopropyl	H	OCF3
23-1060	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
23-1079	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	F	H	heptafloisopropyl	H	CF3
23-1080	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	CF3

23-1091	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	CF3
23-1120	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
23-1149	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	CF3
23-1178	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
23-1207	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
23-1236	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
23-1265	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
23-1294	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
23-1323	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
23-1352	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
23-1381	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	CF3
23-1410	2,2,2-tricloetyl	H	Me	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3



Bảng 24(1)

Số hợp chất	Q2	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
24-1	2,2,2-tricloetyl	Me	Me	N	H	H	H	F	H	heptaflo isopropyl	H	F
24-2	2,2,2-tricloetyl	Me	Me	N	H	H	H	F	H	nonaflo-2-butyl	H	F
24-13	2,2,2-tricloetyl	Me	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	Cl
24-42	2,2,2-tricloetyl	Me	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
24-71	2,2,2-tricloetyl	Me	Me	N	H	H	H	Br	H	heptaflo isopropyl	H	Br
24-100	2,2,2-tricloetyl	Me	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	Br
24-129	2,2,2-tricloetyl	Me	Me	N	H	H	H	I	H	Heptaflo isopropyl	H	I
24-158	2,2,2-tricloetyl	Me	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	I
24-376	2,2,2-tricloetyl	Me	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	Br
24-385	2,2,2-tricloetyl	Me	Me	N	H	H	H	F	H	heptaflo isopropyl	H	OCF3
24-386	2,2,2-tricloetyl	Me	Me	N	H	H	H	F	H	nonaflo-2-butyl	H	OCF3
24-397	2,2,2-tricloetyl	Me	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	OCF3
24-426	2,2,2-tricloetyl	Me	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
24-455	2,2,2-tricloetyl	Me	Me	N	H	H	H	Br	H	heptaflo isopropyl	H	OCF3
24-484	2,2,2-tricloetyl	Me	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
24-513	2,2,2-tricloetyl	Me	Me	N	H	H	H	I	H	heptaflo isopropyl	H	OCF3
24-542	2,2,2-tricloetyl	Me	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
24-757	2,2,2-tricloetyl	Me	Me	N	H	H	H	F	H	heptaflo isopropyl	H	CF3

24-758	2,2,2-tricloetyl	Me	Me	N	H	H	H	F	H	nonaflo-2-butyl	H	CF3
24-764	2-iodoetyl	Me	Et	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
24-765	2-xyanoetyl	Et	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	C2F5
24-769	2,2,2-tricloetyl	Me	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
24-771	n-propyl	Me	n-Pr	N	H	H	H	Cl	H	pentaflo etyl	H	CF3
24-775	i-propyl	n-Pr	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	n-C3F7
24-778	1,3-diclo-2-propyl	Me	Me	N	H	H	H	Cl	H	pentaflo etyl	H	CF3
24-779	1-clo-3-flo-2-propyl	i-Pr	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
24-781	n-butyl	Me	i-Pr	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
24-783	i-butyl	CH2CH = CH2	Me	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
24-784	s-butyl	Me	CH2CH = CH2	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
24-785	vinyl	Me	CN	N	H	H	H	Cl	H	heptaflo isopropyl	H	CF3
24-789	etyl	Me	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
24-794	2-xyanoetyl	CN	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
24-798	2,2,2-tricloetyl	Me	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
24-799	2,2,2-tribrometyl	Me	CH2C≡ CH	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
24-800	n-propyl	CH2C≡CH	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
24-810	n-butyl	Me	NH2	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
24-812	i-butyl	NH2	Me	N	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
24-823	2-xyanoetyl	Me	C(O)OMe	N	H	H	H	Br	H	heptaflo isopropyl	H	C2F5
24-827	2,2,2-tricloetyl	Me	Me	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
24-829	n-propyl	C(O)OMe	Me	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
24-834	1,2-diflo-2-propyl	Me	Me	N	H	H	H	Br	H	heptaflo isopropyl	H	n-C3F7
24-840	4,4,4-triflo-n-butyl	Me	Me	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
24-841	i-butyl	Me	C(O)C(O)OMe	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3

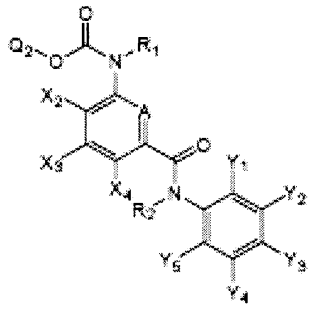
24-842	s-butyl	Me	Me	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
24-843	vinyl	C(O)C(O)OMe	Me	N	H	H	H	Br	H	heptaflo isopropyl	H	CF3
24-852	2-xyanoetyl	Me	C(O)OEt	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
24-856	2,2,2-tricloetyl	Me	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
24-858	n-propyl	C(O)OEt	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
24-861	3-brom-n-propyl	Me	C(O)Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
24-862	i-propyl	C(O)Me	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
24-869	4,4,4-triflo-n-butyl	Me	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
24-870	i-butyl	Me	C(O)C(O)OEt	N	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
24-874	phenyl	C(O)C(O)OEt	Me	N	H	H	H	Br	H	nonaflo-2-butyl	H	i-C3F7
24-885	2,2,2-tricloetyl	Me	Me	N	H	H	H	I	H	heptaflo isopropyl	H	CF3
24-887	n-propyl	Me	C(O)Et	N	H	H	H	I	H	heptaflo isopropyl	H	CF3

Bảng 24(2)

Số hợp chất	Q2	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
24-890	3-brom-n-propyl	C(O)Et	Me	N	H	H	H	I	H	heptafloisopropyl	H	C2F5
24-898	4,4,4-triflo-n-	Me	Me	N	H	H	H	I	H	heptafloisopropyl	H	CF3
24-899	i-butyl	Me	S(O)2Me	N	H	H	H	I	H	heptafloisopropyl	H	CF3
24-902	benzyl	S(O)2Me	Me	N	H	H	H	I	H	heptafloisopropyl	H	CF3
24-909	2-iođoetyl	Me	S(O)2Et	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
24-910	2-xyanoetyl	S(O)2Et	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
24-914	2,2,2-tricloetyl	Me	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
24-915	2,2,2-tribrometyl	Me	CH2Ph	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
24-916	n-propyl	CH2Ph	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	n-C3F7
24-920	i-propyl	CH2(3-Py)	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
24-926	n-butyl	Me	CH2(3-Py)	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
24-927	4,4,4-triflo-n-	Me	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
24-929	s-butyl	CH2(3-Py-N-oxit)	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
24-930	vinyl	Me	Me	N	H	H	H	I	H	nonaflo-2-butyl	H	i-C3F7
24-932	phenyl	Me	CH2(3-Py-N-oxit)	N	H	H	H	I	H	nonaflo-2-butyl	H	CF3
24-1139	2,2,2-tricloetyl	Me	Me	N	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
24-1168	2,2,2-tricloetyl	Me	Me	N	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
24-1197	2,2,2-tricloetyl	Me	Me	N	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
24-1226	2,2,2-tricloetyl	Me	Me	N	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
24-1255	2,2,2-tricloetyl	Me	Me	N	H	H	H	CF3	H	heptafloisopropyl	H	CF3
24-1284	2,2,2-tricloetyl	Me	Me	N	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
24-1499	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	F	H	heptafloisopropyl	H	F
24-1500	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	F

24-1511	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	Cl
24-1540	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	Cl
24-1569	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	Br
24-1598	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	Br
24-1627	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	I	H	heptafloisopropyl	H	I
24-1656	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	I
24-1875	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	I
24-1883	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	F	H	heptafloisopropyl	H	OCF3
24-1884	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	OCF3
24-1895	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
24-1924	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
24-1953	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	OCF3
24-1982	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
24-2011	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	I	H	heptafloisopropyl	H	OCF3
24-2040	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
24-2255	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	F	H	heptafloisopropyl	H	CF3
24-2256	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	F	H	nonaflo-2-butyl	H	CF3
24-2267	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	Cl	H	heptafloisopropyl	H	CF3
24-2296	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
24-2325	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	Br	H	heptafloisopropyl	H	CF3
24-2354	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
24-2383	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
24-2412	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
24-2637	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
24-2666	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
24-2695	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	OCF3

24-2724	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
24-2753	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	CF3	H	heptafloisopropyl	H	CF3
24-2782	2,2,2-tricloetyl	Me	Me	N-oxit	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3



Bảng 25(1)

Số hợp chất	Q2	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
25-9	2,2-đicloetyl	H	Et	N	H	H	H	Cl	F	heptafloisopropyl	F	Cl
25-39	2,2,2-trifloetyl	H	H	N	H	H	H	Cl	Me	nonaflo-2-butyl	Me	I
25-152	2,2-đicloetyl	H	Et	N	H	H	H	Cl	F	heptafloisopropyl	F	OCF3
25-182	2,2,2-trifloetyl	H	H	N	H	H	H	Cl	Me	nonaflo-2-butyl	Me	OCF3
25-287	metyl	H	H	N	H	H	H	Cl	F	heptafloisopropyl	H	CF3
25-288	etyl	Me	H	N	H	H	H	Cl	H	heptafloisopropyl	F	CF3
25-289	2-floetyl	H	Me	N	H	H	H	Cl	Cl	heptafloisopropyl	H	CF3
25-290	2-cloetyl	Me	Me	N	H	H	H	Cl	H	heptafloisopropyl	Cl	CF3
25-291	2-brometyl	H	H	N	H	H	H	F	Br	heptafloisopropyl	H	CF3
25-292	2-iođoetyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	Br	CF3
25-293	2-xyanoetyl	Et	H	N	H	H	H	Cl	I	heptafloisopropyl	H	C2F5
25-294	2,2-đifloetyl	H	H	N	H	H	H	Cl	H	heptafloisopropyl	I	CF3
25-295	2,2-đicloetyl	H	Et	N	H	H	H	Cl	F	heptafloisopropyl	F	CF3
25-296	2,2,2-trifloetyl	H	H	N	H	H	H	Cl	F	heptafloisopropyl	Cl	CF3
25-299	n-propyl	H	H	N	H	H	H	Cl	Cl	pentafloetyl	F	CF3
25-300	3-flo-n-propyl	H	H	N	H	H	H	Cl	Cl	heptafloisopropyl	Cl	CF3
25-303	i-propyl	H	n-Pr	N	H	H	H	Cl	Br	heptafloisopropyl	F	CF3
25-304	1,2-điflo-2-propyl	H	H	N	H	H	H	Cl	Br	heptafloisopropyl	Cl	CF3
25-307	1-clo-3-flo-2-propyl	H	H	N	H	H	H	F	I	nonaflo-2-butyl	F	CF3

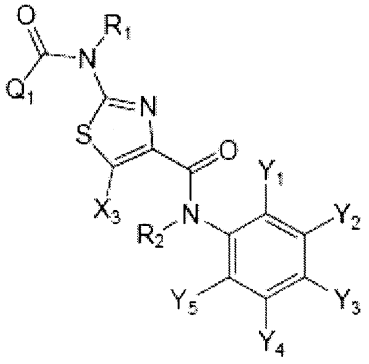
25-308	3,3,3-triflo-n-propyl	H	H	N	H	H	H	Cl	I	nonaflo-2-butyl	Cl	CF3
25-311	i-butyl	H	H	N	H	H	H	Cl	Me	nonaflo-2-butyl	H	CF3
25-312	s-butyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	Me	CF3
25-313	vinyl	i-Pr	H	N	H	H	H	Cl	Et	nonaflo-2-butyl	H	CF3
25-314	benzyl	H	H	N	H	H	H	Cl	H	nonaflo-2-butyl	Et	CF3
25-325	2,2,2-trifloetyl	H	H	N	H	H	H	Cl	Me	nonaflo-2-butyl	Me	n-C3F7
25-326	2,2,2-tricloetyl	H	H	N	H	H	H	Cl	Me	nonaflo-2-butyl	Et	i-C3F7
25-332	i-propyl	H	H	N	H	H	H	Cl	Et	nonaflo-2-butyl	Me	n-C3F7
25-333	1,2-điflo-2-propyl	H	H	N	H	H	H	Cl	Et	nonaflo-2-butyl	Et	i-C3F7
25-339	2-cloetyl	H	H	N	H	H	H	Br	n-Pr	heptafloisopropyl	Me	CF3
25-340	2-brometyl	H	H	N	H	H	H	Br	n-Pr	heptafloisopropyl	Et	CF3
25-346	2,2,2-tricloetyl	H	H	N	H	H	H	Br	i-Pr	heptafloisopropyl	Me	CF3
25-347	2,2,2-tribrometyl	H	H	N	H	H	H	Br	i-Pr	heptafloisopropyl	Et	CF3
25-353	1,2-điflo-2-propyl	H	H	N	H	H	H	Br	n-Bu	heptafloisopropyl	Me	CF3
25-354	1,3-điflo-2-propyl	H	H	N	H	H	H	Br	n-Bu	heptafloisopropyl	Et	CF3
25-360	i-butyl	H	H	N	H	H	H	Br	i-Bu	nonaflo-2-butyl	Me	CF3
25-361	s-butyl	H	H	N	H	H	H	Br	i-Bu	nonaflo-2-butyl	Et	CF3
25-367	2-floetyl	H	H	N	H	H	H	Br	s-Bu	nonaflo-2-butyl	Me	CF3
25-368	2-cloetyl	H	H	N	H	H	H	Br	s-Bu	nonaflo-2-butyl	Et	CF3
25-374	2,2,2-trifloetyl	H	H	N	H	H	H	Br	F	nonaflo-2-butyl	Me	CF3
25-375	2,2,2-tricloetyl	H	H	N	H	H	H	Br	F	nonaflo-2-butyl	Et	CF3
25-381	i-propyl	Et	i-Pr	N	H	H	H	Br	Cl	nonaflo-2-butyl	Me	CF3
25-382	1,2-điflo-2-propyl	H	H	N	H	H	H	Br	Cl	nonaflo-2-butyl	Et	CF3
25-388	2-iođoetyl	H	H	N	H	H	H	I	Br	heptafloisopropyl	Me	CF3
25-389	2-xyanoetyl	H	H	N	H	H	H	I	Br	heptafloisopropyl	Et	CF3
25-395	n-propyl	n-Pr	Me	N	H	H	H	I	I	heptafloisopropyl	Me	CF3

25-396	3-flo-n-propyl	H	H	N	H	H	H	I	I	heptafloisopropyl	Et	CF3
25-402	1,3-diclo-2-propyl	H	H	N	H	H	H	I	Me	heptafloisopropyl	F	C2F5
25-403	1-clo-3-flo-2-propyl	H	H	N	H	H	H	I	Me	nonaflo-2-butyl	Cl	CF3
25-406	4,4,4-triflo-n-butyl	H	H	N	H	H	H	I	Et	nonaflo-2-butyl	F	CF3
25-407	i-butyl	H	H	N	H	H	H	I	Et	nonaflo-2-butyl	Cl	CF3
25-410	benzyl	H	H	N	H	H	H	I	n-Pr	nonaflo-2-butyl	F	CF3
25-413	etyl	H	H	N	H	H	H	I	n-Pr	nonaflo-2-butyl	I	n-C3F7
25-414	2-floetyl	H	H	N	H	H	H	I	i-Pr	nonaflo-2-butyl	F	i-C3F7
25-415	2-cloetyl	H	H	N	H	H	H	I	i-Pr	nonaflo-2-butyl	Cl	CF3
25-418	2-xyanoetyl	H	H	N	H	H	H	I	n-Bu	nonaflo-2-butyl	F	CF3

Bảng 25(2)

Số hợp chất	Q2	R1	R2	A	X2	X3	X4	Y1	Y2	Y3	Y4	Y5
25-419	2,2-đifloetyl	H	H	N	H	H	H	I	n-Bu	nonaflo-2-butyl	Cl	CF3
25-422	2,2,2-tricloetyl	H	H	N	H	H	H	I	i-Bu	nonaflo-2-butyl	F	CF3
25-423	2,2,2-tribrometyl	H	H	N	H	H	H	I	i-Bu	nonaflo-2-butyl	Cl	CF3
25-426	3-clo-n-propyl	i-Pr	n-Pr	N	H	H	H	I	s-Bu	nonaflo-2-butyl	F	CF3
25-427	3-brom-n-propyl	H	H	N	H	H	H	I	s-Bu	nonaflo-2-butyl	Cl	CF3
25-438	2,2-đicloetyl	H	Et	N	H	H	H	OCF3	F	heptafloisopropyl	F	OCF3
25-468	2,2,2-trifloetyl	H	H	N	H	H	H	OCF3	Me	nonaflo-2-butyl	Me	OCF3
25-581	2,2-đicloetyl	H	Et	N	H	H	H	OCF3	F	heptafloisopropyl	F	CF3
25-611	2,2,2-trifloetyl	H	H	N	H	H	H	OCF3	Me	nonaflo-2-butyl	Me	CF3
25-724	2,2-đicloetyl	H	Et	N	H	H	H	CF3	F	heptafloisopropyl	F	CF3
25-754	2,2,2-trifloetyl	H	H	N	H	H	H	CF3	Me	nonaflo-2-butyl	Me	CF3
25-867	2,2-đicloetyl	H	Et	N-oxit	H	H	H	Cl	F	heptafloisopropyl	F	Cl
25-897	2,2,2-trifloetyl	H	H	N-oxit	H	H	H	Cl	Me	nonaflo-2-butyl	Me	I
25-1010	2,2-đicloetyl	H	Et	N-oxit	H	H	H	Cl	F	heptafloisopropyl	F	OCF3
25-1040	2,2,2-trifloetyl	H	H	N-oxit	H	H	H	Cl	Me	nonaflo-2-butyl	Me	OCF3
25-1155	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	Cl	F	heptafloisopropyl	Br	CF3
25-1168	4,4,4-triflo-n-butyl	H	H	N-oxit	H	H	H	Cl	I	nonaflo-2-butyl	I	CF3
25-1184	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	Cl	Me	nonaflo-2-butyl	Et	i-C3F7
25-1233	2,2,2-tricloetyl	H	H	N-oxit	H	H	H	Br	F	nonaflo-2-butyl	Et	CF3
25-1264	4,4,4-triflo-n-butyl	H	H	N-oxit	H	H	H	I	Et	nonaflo-2-butyl	F	CF3
25-1296	2,2-đicloetyl	H	Et	N-oxit	H	H	H	OCF3	F	heptafloisopropyl	F	OCF3
25-1326	2,2,2-trifloetyl	H	H	N-oxit	H	H	H	OCF3	Me	nonaflo-2-butyl	Me	OCF3

25-1439	2,2-đicloetyl	H	Et	N-oxit	H	H	H	OCF3	F	heptafloisopropyl	F	CF3
25-1469	2,2,2-trifloetyl	H	H	N-oxit	H	H	H	OCF3	Me	nonaflo-2-butyl	Me	CF3
25-1582	2,2-đicloetyl	H	Et	N-oxit	H	H	H	CF3	F	heptafloisopropyl	F	CF3
25-1612	2,2,2-trifloetyl	H	H	N-oxit	H	H	H	CF3	Me	nonaflo-2-butyl	Me	CF3



Bảng 26(1)

Số hợp chất	Q1	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
26-1	phenyl	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
26-4	4-flophenyl	H	H	Cl	Cl	H	heptafloisopropyl	H	OCF3
26-12	3-iođophenyl	H	H	H	Cl	H	pentafloetyl	H	OCF3
26-13	4-iođophenyl	H	H	H	Cl	H	pentafloetyl	H	OCF3
26-16	(4-triflometyl)phenyl	H	H	H	Cl	H	heptafloisopropyl	H	OC2F5
26-17	2-nitrophenyl	H	H	H	F	H	heptafloisopropyl	H	OCF3
26-20	2-xyanophenyl	H	H	H	Cl	H	pentafloetyl	H	OC2F5
26-21	3-xyanophenyl	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
26-22	4-xyanophenyl	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
26-28	4-brom-2-clophenyl	H	H	H	Cl	H	heptafloisopropyl	H	OC2F5
26-36	2-flopyriđin-3-yl	H	H	H	Cl	H	pentafloetyl	H	OCF3
26-37	2-clopyriđin-3-yl	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
26-41	2-nitropyriđin-3-yl	H	H	H	Cl	H	heptafloisopropyl	H	OC2F5
26-50	5-flopyriđin-3-yl	H	H	H	Cl	H	heptafloisopropyl	H	OC2F5
26-55	5-nitropyriđin-3-yl	H	H	H	Cl	H	pentafloetyl	H	OCF3
26-59	4-brompyriđin-3-yl	H	H	H	Cl	H	heptafloisopropyl	H	OC2F5
26-60	4-iođopyriđin-3-yl	H	H	H	Cl	H	heptafloisopropyl	H	OC2F5
26-78	4-xyanopyriđin-2-yl	H	H	H	Cl	H	pentafloetyl	H	OCF3

26-79	phenyl	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
26-95	2-nitrophenyl	H	H	H	F	H	nonaflo-2-butyl	H	OCF3
26-99	3-xyanophenyl	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
26-100	4-xyanophenyl	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
26-105	2-clo-4,5-diflophenyl	H	H	H	Cl	H	nonaflo-2-butyl	H	OC2F5
26-115	2-clopyridin-3-yl	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
26-121	6-flopyridin-3-yl	H	H	H	Cl	H	nonaflo-2-butyl	H	OC2F5
26-130	5-brompyridin-3-yl	H	H	H	Cl	H	nonaflo-2-butyl	H	OC2F5
26-131	5-iodopyridin-3-yl	H	H	H	Cl	H	nonaflo-2-butyl	H	OC2F5
26-139	4-(triflometyl)pyridin-3-yl	H	H	H	Cl	H	nonaflo-2-butyl	H	OC2F5
26-140	4-nitropyridin-3-yl	H	H	H	Cl	H	nonaflo-2-butyl	H	OC2F5
26-157	phenyl	H	H	H	Br	H	heptafloisopropyl	H	OCF3
26-158	2-flophenyl	H	H	H	Br	H	heptafloisopropyl	H	OCF3
26-177	3-xyanophenyl	H	H	H	Br	H	heptafloisopropyl	H	OCF3
26-178	4-xyanophenyl	H	H	H	Br	H	heptafloisopropyl	H	OCF3
26-193	2-clopyridin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	OCF3
26-235	phenyl	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
26-236	2-flophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
26-255	3-xyanophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
26-256	4-xyanophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
26-271	2-clopyridin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
26-313	phenyl	H	H	H	I	H	heptafloisopropyl	H	OCF3
26-314	2-flophenyl	H	H	H	I	H	heptafloisopropyl	H	OCF3
26-333	3-xyanophenyl	H	H	H	I	H	heptafloisopropyl	H	OCF3
26-334	4-xyanophenyl	H	H	H	I	H	heptafloisopropyl	H	OCF3
26-349	2-clopyridin-3-yl	H	H	H	I	H	heptafloisopropyl	H	OCF3

26-391	phenyl	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
26-392	2-flophenyl	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
26-411	3-xyanophenyl	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
26-412	4-xyanophenyl	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
26-427	2-clopyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
26-469	phenyl	H	H	H	F	H	heptafloisopropyl	H	CF3

Bảng 26(2)

Số hợp chất	Q1	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
26-470	phenyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
26-471	2-flophenyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
26-481	3-iođophenyl	H	H	H	Cl	H	pentafloetyl	H	CF3
26-482	4-iođophenyl	H	H	H	Cl	H	pentafloetyl	H	CF3
26-489	2-xyanophenyl	H	H	H	Cl	H	pentafloetyl	H	C2F5
26-490	3-xyanophenyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
26-491	4-xyanophenyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
26-494	2,4-điclophenyl	H	H	H	Cl	H	heptafloisopropyl	H	C2F5
26-498	2-brom-4-clophenyl	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
26-505	2-flopyriđin-3-yl	H	H	H	Cl	H	pentafloetyl	H	CF3
26-506	2-clopyriđin-3-yl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
26-510	2-nitropyriđin-3-yl	H	H	Cl	Cl	H	heptafloisopropyl	H	CF3
26-519	5-flopyriđin-3-yl	H	H	H	Cl	H	heptafloisopropyl	H	C2F5
26-521	5-brompyriđin-3-yl	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
26-522	5-iođopyriđin-3-yl	H	H	H	Cl	H	heptafloisopropyl	H	i-C3F7
26-524	5-nitropyriđin-3-yl	H	H	H	Cl	H	pentafloetyl	H	CF3
26-526	4-flopyriđin-3-yl	H	H	H	Cl	H	pentafloetyl	H	CF3
26-528	4-brompyriđin-3-yl	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
26-529	4-iođopyriđin-3-yl	H	H	H	Cl	H	heptafloisopropyl	H	i-C3F7
26-548	phenyl	H	H	H	F	H	nonaflo-2-butyl	H	CF3
26-549	phenyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
26-550	2-flophenyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
26-562	(2-triflometyl)phenyl	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
26-569	3-xyanophenyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
26-570	4-xyanophenyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
26-579	2-clo-4-nitrophenyl	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7

26-585	2-clopyriđin-3-yl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
26-598	5-flopyriđin-3-yl	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
26-600	5-brompyriđin-3-yl	H	H	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
26-601	5-iođopyriđin-3-yl	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
26-605	4-flopyriđin-3-yl	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
26-609	4-(triflometyl)pyriđin-3-yl	H	H	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
26-610	4-nitropyriđin-3-yl	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
26-626	4-xyanopyriđin-2-yl	H	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
26-627	phenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-628	2-flophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-629	3-flophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-630	4-flophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-631	2-clophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-632	3-clophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-633	4-clophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-634	2-bromphenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-635	3-bromphenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-636	4-bromphenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-637	2-iođophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-638	3-iođophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-639	4-iođophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-640	(2-triflometyl)phenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-641	(3-triflometyl)phenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-642	(4-triflometyl)phenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-643	2-nitrophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-644	3-nitrophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-645	4-nitrophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-646	2-xyanophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3

26-647	3-xyanophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-648	4-xyanophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-649	2,6-điflophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-650	3,4-điclophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-651	2,4-điclophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3

Bảng 26(3)

Số hợp chất	Q1	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
26-652	2-clo-4-flophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-653	2-clo-4,5-diflophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-654	4-brom-2-clophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-655	2-brom-4-clophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-656	2-brom-4-flophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-657	2-clo-4-nitrophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-658	3,5-đixyanophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-659	4-xyano-2-flophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-660	2-clo-4-xyanophenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-661	pyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-662	2-flopyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-663	2-clopyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-664	2-brompyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-665	2-iođopyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-666	2-(triflometyl)pyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-667	2-nitropyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-668	2-xyanopyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-669	6-flopyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-670	6-clopyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-671	6-brompyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-672	6-iođopyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3

26-673	6-(triflometyl)pyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-674	6-nitropyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-675	6-xyanopyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-676	5-flopyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-677	5-clopyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-678	5-brompyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-679	5-iođopyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-680	5-(triflometyl)pyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-681	5-nitropyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-682	5-xyanopyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-683	4-flopyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-684	4-clopyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-685	4-brompyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-686	4-iođopyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-687	4-(triflometyl)pyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-688	4-nitropyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-689	4-xyanopyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-690	2,6-điclopyriđin-3-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-691	pyriđin-3-yl N-oxit	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-692	pyriđin-4-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-693	2-clopyriđin-4-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-694	3-brompyriđin-4-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-695	3,5-điclopyriđin-4-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3

26-696	3-(triflometyl)pyriđin-4-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-697	2,6-đixyanopyriđin-4-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-698	pyriđin-4-yl N-oxit	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-699	pyriđin-2-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-700	3-clopyriđin-2-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-701	4-brompyriđin-2-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-702	5-iođopyriđin-2-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-703	6-clopyriđin-2-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-704	4-xyanopyriđin-2-yl	H	H	H	Br	H	heptafloisopropyl	H	CF3
26-705	phenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-706	2-flophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-707	3-flophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-708	4-flophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-709	2-clophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-710	3-clophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3

Bảng 26(4)

Số hợp chất	Q1	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
26-711	4-clophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-712	2-bromphenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-713	3-bromphenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-714	4-bromphenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-715	2-iođophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-716	3-iođophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-717	4-iođophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-718	(2-triflometyl)phenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-719	(3-triflometyl)phenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-720	(4-triflometyl)phenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-721	2-nitrophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-722	3-nitrophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-723	4-nitrophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-724	2-xyanophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-725	3-xyanophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-726	4-xyanophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-727	2,6-điflophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-728	3,4-điclophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-729	2,4-điclophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-730	2-clo-4-flophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-731	2-clo-4,5-điflophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-732	4-brom-2-clophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-733	2-brom-4-clophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-734	2-brom-4-flophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-735	2-clo-4-nitrophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-736	3,5-đixyanophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-737	4-xyano-2-flophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-738	2-clo-4-xyanophenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-739	pyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-740	2-flopyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3

26-741	2-clopyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-742	2-brompyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-743	2-iođopyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-744	2-(triflometyl)pyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-745	2-nitropyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-746	2-xyanopyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-747	6-flopyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-748	6-clopyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-749	6-brompyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-750	6-iođopyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-751	6-(triflometyl)pyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-752	6-nitropyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-753	6-xyanopyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-754	5-flopyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-755	5-clopyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-756	5-brompyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-757	5-iođopyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-758	5-(triflometyl)pyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-759	5-nitropyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-760	5-xyanopyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-761	4-flopyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-762	4-clopyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-763	4-brompyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-764	4-iođopyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-765	4-(triflometyl)pyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-766	4-nitropyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-767	4-xyanopyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3

Bảng 26(5)

Số hợp chất	Q1	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
26-768	2,6-điclopyriđin-3-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-769	pyriđin-3-yl N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-770	pyriđin-4-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-771	2-clopyriđin-4-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-772	3-brompyriđin-4-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-773	3,5-điclopyriđin-4-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-774	3-(triflometyl)pyriđin-4-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-775	2,6-đixyanopyriđin-4-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-776	pyriđin-4-yl N-oxit	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-777	pyriđin-2-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-778	3-clopyriđin-2-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-779	4-brompyriđin-2-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-780	5-iođopyriđin-2-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-781	6-clopyriđin-2-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-782	4-xyanopyriđin-2-yl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
26-783	phenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-784	2-flophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-785	3-flophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-786	4-flophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-787	2-clophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-788	3-clophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-789	4-clophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-790	2-bromphenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-791	3-bromphenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-792	4-bromphenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-793	2-iođophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-794	3-iođophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-795	4-iođophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3

26-796	(2-triflometyl)phenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-797	(3-triflometyl)phenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-798	(4-triflometyl)phenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-799	2-nitrophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-800	3-nitrophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-801	4-nitrophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-802	2-xyanophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-803	3-xyanophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-804	4-xyanophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-805	2,6-điflophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-806	3,4-điclophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-807	2,4-điclophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-808	2-clo-4-flophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-809	2-clo-4,5-điflophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-810	4-brom-2-clophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-811	2-brom-4-clophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-812	2-brom-4-flophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-813	2-clo-4-nitrophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-814	3,5-đixyanophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-815	4-xyano-2-flophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-816	2-clo-4-xyanophenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-817	pyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-818	2-flopyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-819	2-clopyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-820	2-brompyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-821	2-iođopyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-822	2-(triflometyl)pyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-823	2-nitropyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3

Bảng 26(6)

Số hợp chất	Q1	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
26-824	2-xyanopyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-825	6-flopyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-826	6-clopyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-827	6-brompyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-828	6-iođopyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-829	6-(triflometyl) pyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-830	6-nitropyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-831	6-xyanopyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-832	5-flopyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-833	5-clopyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-834	5-brompyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-835	5-iođopyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-836	5-(triflometyl) pyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-837	5-nitropyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-838	5-xyanopyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-839	4-flopyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-840	4-clopyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-841	4-brompyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-842	4-iođopyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-843	4-(triflometyl) pyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-844	4-nitropyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-845	4-xyanopyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-846	2,6-điclopyriđin-3-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-847	pyriđin-3-yl N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
26-848	pyriđin-4-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-849	2-clopyriđin-4-yl	H	H	H	I	H	heptafloisopropyl	H	CF3

26-850	3-brompyriđin-4-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-851	3,5-điclopyriđin-4-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-852	3-(triflometyl) pyriđin-4-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-853	2,6-đixyanopyriđin-4-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-854	pyriđin-4-yl N-oxit	H	H	H	I	H	heptafloisopropyl	H	CF3
26-855	pyriđin-2-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-856	3-clopyriđin-2-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-857	4-brompyriđin-2-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-858	5-iođopyriđin-2-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-859	6-clopyriđin-2-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-860	4-xyanopyriđin-2-yl	H	H	H	I	H	heptafloisopropyl	H	CF3
26-861	phenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-862	2-flophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-863	3-flophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-864	4-flophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-865	2-clophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-866	3-clophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-867	4-clophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-868	2-bromphenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-869	3-bromphenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-870	4-bromphenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-871	2-iođophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-872	3-iođophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-873	4-iođophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-874	(2-triflometyl) phenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-875	(3-triflometyl) phenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-876	(4-triflometyl) phenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-877	2-nitrophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-878	3-nitrophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3

26-879	4-nitrophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 26(7)

Số hợp chất	Q1	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
26-880	2-xyanophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-881	3-xyanophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-882	4-xyanophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-883	2,6-điflophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-884	3,4-điclophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-885	2,4-điclophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-886	2-clo-4-flophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-887	2-clo-4,5-điflophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-888	4-brom-2-clophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-889	2-brom-4-clophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-890	2-brom-4-flophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-891	2-clo-4-nitrophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-892	3,5-đixyanophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-893	4-xyano-2-flophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-894	2-clo-4-xyanophenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-895	pyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-896	2-flopyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-897	2-clopyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-898	2-brompyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-899	2-iođopyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-900	2-(triflometyl)pyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-901	2-nitropyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3

26-902	2-xyanopyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-903	6-flopyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-904	6-clopyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-905	6-brompyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-906	6-iođopyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-907	6-(triflometyl)pyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-908	6-nitropyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-909	6-xyanopyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-910	5-flopyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-911	5-clopyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-912	5-brompyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-913	5-iođopyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-914	5-(triflometyl)pyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-915	5-nitropyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-916	5-xyanopyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-917	4-flopyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-918	4-clopyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-919	4-brompyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-920	4-iođopyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-921	4-(triflometyl)pyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-922	4-nitropyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-923	4-xyanopyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-924	2,6-điclopyriđin-3-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-925	pyriđin-3-yl N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-926	pyriđin-4-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3

26-927	2-clopyriđin-4-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-928	3-brompyriđin-4-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-929	3,5-điclopyriđin-4-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-930	3-(triflometyl)pyriđin-4-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-931	2,6-đixyanopyriđin-4-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-932	pyriđin-4-yl N-oxit	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-933	pyriđin-2-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-934	3-clopyriđin-2-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-935	4-brompyriđin-2-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3

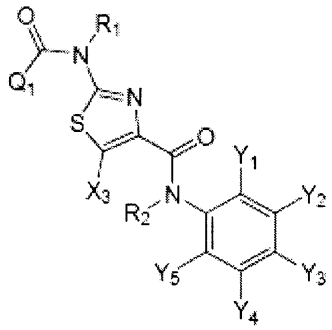
Bảng 26(8)

Số hợp chất	Q1	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
26-936	5-iodopyriđin-2-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-937	6-clopyriđin-2-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-938	4-xyanopyriđin-2-yl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
26-939	phenyl	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
26-946	2-bromphenyl	H	H	H	OCF3	H	heptafloisopropyl	H	OC2F5
26-950	3-iođophenyl	H	H	H	OCF3	H	pentafloetyl	H	OCF3
26-951	4-iođophenyl	H	H	H	OCF3	H	pentafloetyl	H	OCF3
26-954	3-xyanophenyl	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
26-955	4-xyanophenyl	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
26-960	2-clo-4,5-điflophenyl	H	H	H	OC2F5	H	heptafloisopropyl	H	OC2F5
26-963	2-brom-4-flophenyl	H	H	H	OC2F5	H	heptafloisopropyl	H	OCF3
26-964	2-clo-4-nitrophenyl	H	H	Cl	OCF3	H	heptafloisopropyl	H	OCF3
26-969	2-flopyriđin-3-yl	H	H	H	OCF3	H	pentafloetyl	H	OCF3
26-970	2-clopyriđin-3-yl	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
26-979	5-xyanopyriđin-3-yl	H	H	H	OC2F5	H	heptafloisopropyl	H	OC2F5
26-981	4-xyanopyriđin-3-yl	H	H	H	OCF3	H	heptafloisopropyl	H	OC2F5
26-994	4-xyanopyriđin-2-yl	H	H	H	OCF3	H	pentafloetyl	H	OCF3
26-995	phenyl	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
26-1002	2-bromphenyl	H	H	H	OC2F5	H	nonaflo-2-butyl	H	OCF3
26-1008	(2-triflometyl)phenyl	H	H	H	OCF3	H	nonaflo-2-butyl	H	OC2F5
26-1010	3-xyanophenyl	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
26-1011	4-xyanophenyl	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
26-1017	4-brom-2-clophenyl	H	H	H	OC2F5	H	nonaflo-2-butyl	H	OC2F5
26-1026	2-clopyriđin-3-yl	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
26-1033	6-xyanopyriđin-3-yl	H	H	H	OC2F5	H	nonaflo-2-butyl	H	OCF3
26-1035	5-xyanopyriđin-3-yl	H	H	H	OCF3	H	nonaflo-2-butyl	H	OC2F5
26-1037	4-xyanopyriđin-3-yl	H	H	H	OC2F5	H	nonaflo-2-butyl	H	OC2F5

26-1051	phenyl	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
26-1058	2-bromphenyl	H	H	H	CF3	H	heptafloisopropyl	H	OC2F5
26-1062	3-iodophenyl	H	H	H	CF3	H	pentafloetyl	H	OCF3
26-1063	4-iodophenyl	H	H	H	CF3	H	pentafloetyl	H	OCF3
26-1064	(2-triflometyl)phenyl	H	H	H	C2F5	H	heptafloisopropyl	H	OC2F5
26-1065	3-nitrophenyl	H	H	H	C2F5	H	heptafloisopropyl	H	OCF3
26-1066	3-xyanophenyl	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
26-1067	4-xyanophenyl	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
26-1074	2-brom-4-clophenyl	H	H	H	n-C3F7	H	heptafloisopropyl	H	OCF3
26-1078	4-xyano-2-flophenyl	H	H	H	i-C3F7	H	heptafloisopropyl	H	OCF3
26-1081	2-flopyridin-3-yl	H	H	H	CF3	H	pentafloetyl	H	OCF3
26-1082	2-clopyridin-3-yl	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
26-1089	6-xyanopyridin-3-yl	H	H	H	n-C3F7	H	heptafloisopropyl	H	OC2F5
26-1091	5-xyanopyridin-3-yl	H	H	H	i-C3F7	H	heptafloisopropyl	H	OC2F5
26-1106	4-xyanopyridin-2-yl	H	H	H	CF3	H	pentafloetyl	H	OCF3
26-1107	phenyl	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
26-1118	3-iodophenyl	H	H	H	CF3	H	nonaflo-2-butyl	H	OC2F5
26-1121	3-nitrophenyl	H	H	H	C2F5	H	nonaflo-2-butyl	H	OCF3
26-1122	3-xyanophenyl	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
26-1123	4-xyanophenyl	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
26-1129	4-brom-2-clophenyl	H	H	H	i-C3F7	H	nonaflo-2-butyl	H	OCF3
26-1132	2-clo-4-nitrophenyl	H	H	H	n-C3F7	H	nonaflo-2-butyl	H	OCF3
26-1138	2-clopyridin-3-yl	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
26-1147	5-xyanopyridin-3-yl	H	H	H	C2F5	H	nonaflo-2-butyl	H	OC2F5
26-1149	4-xyanopyridin-3-yl	H	H	H	n-C3F7	H	nonaflo-2-butyl	H	OC2F5
26-1160	5-iodopyridin-2-yl	H	H	H	i-C3F7	H	nonaflo-2-butyl	H	OC2F5
26-1163	phenyl	H	H	H	CF3	H	heptafloisopropyl	H	CF3
26-1174	3-iodophenyl	H	H	H	CF3	H	pentafloetyl	H	CF3
26-1175	4-iodophenyl	H	H	H	CF3	H	pentafloetyl	H	CF3

Bảng 26(9)

Số hợp chất	Q1	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
26-1177	(3-triflometyl)phenyl	H	H	H	C2F5	H	heptafloisopropyl	H	CF3
26-1183	3-xyanophenyl	H	H	H	CF3	H	heptafloisopropyl	H	CF3
26-1184	4-xyanophenyl	H	H	H	CF3	H	heptafloisopropyl	H	CF3
26-1190	4-brom-2-clophenyl	H	H	H	n-C3F7	H	heptafloisopropyl	H	CF3
26-1195	4-xyano-2-flophenyl	H	H	H	i-C3F7	H	heptafloisopropyl	H	CF3
26-1198	2-flopyriđin-3-yl	H	H	H	CF3	H	pentafloetyl	H	CF3
26-1199	2-clopyriđin-3-yl	H	H	H	CF3	H	heptafloisopropyl	H	CF3
26-1200	2-brompyriđin-3-yl	H	H	H	C2F5	H	heptafloisopropyl	H	C2F5
26-1203	2-nitropyriđin-3-yl	H	H	Cl	CF3	H	heptafloisopropyl	H	CF3
26-1211	6-xyanopyriđin-3-yl	H	H	H	C2F5	H	heptafloisopropyl	H	n-C3F7
26-1215	4-xyanopyriđin-3-yl	H	H	H	C2F5	H	heptafloisopropyl	H	i-C3F7
26-1230	4-xyanopyriđin-2-yl	H	H	H	CF3	H	pentafloetyl	H	CF3
26-1231	phenyl	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
26-1243	4-iođophenyl	H	H	H	C2F5	H	nonaflo-2-butyl	H	CF3
26-1251	3-xyanophenyl	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
26-1252	4-xyanophenyl	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
26-1258	4-brom-2-clophenyl	H	H	H	n-C3F7	H	nonaflo-2-butyl	H	CF3
26-1263	4-xyano-2-flophenyl	H	H	H	i-C3F7	H	nonaflo-2-butyl	H	CF3
26-1267	2-clopyriđin-3-yl	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
26-1268	2-brompyriđin-3-yl	H	H	H	C2F5	H	nonaflo-2-butyl	H	C2F5
26-1279	6-xyanopyriđin-3-yl	H	H	H	C2F5	H	nonaflo-2-butyl	H	n-C3F7
26-1283	4-xyanopyriđin-3-yl	H	H	H	C2F5	H	nonaflo-2-butyl	H	i-C3F7



Bảng 27 (1)

Số hợp chất	Q1	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
27-1	phenyl	Me	H	H	Cl	H	heptafloisopropyl	H	OCF3
27-21	3-xyanophenyl	Me	H	H	Cl	H	heptafloisopropyl	H	OCF3
27-22	4-xyanophenyl	Me	H	H	Cl	H	heptafloisopropyl	H	OCF3
27-37	2-clopyriđin-3-yl	Me	H	H	Cl	H	heptafloisopropyl	H	OCF3
27-79	phenyl	Me	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
27-99	3-xyanophenyl	Me	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
27-100	4-xyanophenyl	Me	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
27-115	2-clopyriđin-3-yl	Me	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
27-157	phenyl	Me	H	H	Br	H	heptafloisopropyl	H	OCF3
27-177	3-xyanophenyl	Me	H	H	Br	H	heptafloisopropyl	H	OCF3
27-178	4-xyanophenyl	Me	H	H	Br	H	heptafloisopropyl	H	OCF3
27-193	2-clopyriđin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	OCF3
27-235	phenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	OCF3
27-255	3-xyanophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	OCF3
27-256	4-xyanophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	OCF3
27-271	2-clopyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	OCF3
27-313	phenyl	Me	H	H	I	H	heptafloisopropyl	H	OCF3
27-333	3-xyanophenyl	Me	H	H	I	H	heptafloisopropyl	H	OCF3
27-334	4-xyanophenyl	Me	H	H	I	H	heptafloisopropyl	H	OCF3
27-349	2-clopyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	OCF3

27-391	phenyl	Me	H	H	I	H	nonaflo-2-butyl	H	OCF3
27-411	3-xyanophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	OCF3
27-412	4-xyanophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	OCF3
27-427	2-clopyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	OCF3
27-469	phenyl	Me	H	H	F	H	heptafloisopropyl	H	CF3
27-470	phenyl	Me	H	H	Cl	H	heptafloisopropyl	H	CF3
27-484	(3-triflometyl) phenyl	Et	H	H	Cl	H	heptafloisopropyl	H	CF3
27-489	2-xyanophenyl	Me	H	H	Cl	H	pentafloetyl	H	C2F5
27-490	3-xyanophenyl	Me	H	H	Cl	H	heptafloisopropyl	H	CF3
27-491	4-xyanophenyl	Me	H	H	Cl	H	heptafloisopropyl	H	CF3
27-494	2,4-điclophenyl	Me	H	H	Cl	H	heptafloisopropyl	H	C2F5
27-495	2-clo-4-flophenyl	n-Pr	H	H	Cl	H	heptafloisopropyl	H	CF3
27-498	2-brom-4-clophenyl	Me	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
27-506	2-clopyriđin-3-yl	Me	H	H	Cl	H	heptafloisopropyl	H	CF3
27-510	2-nitropyriđin-3-yl	Me	H	Cl	Cl	H	heptafloisopropyl	H	CF3
27-512	6-flopyriđin-3-yl	i-Pr	H	H	Cl	H	heptafloisopropyl	H	CF3
27-519	5-flopyriđin-3-yl	Me	H	H	Cl	H	heptafloisopropyl	H	C2F5
27-521	5-brompyriđin-3-yl	Me	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
27-522	5-iođopyriđin-3-yl	Me	H	H	Cl	H	heptafloisopropyl	H	i-C3F7
27-528	4-brompyriđin-3-yl	CH2CH = CH2	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
27-529	4-iođopyriđin-3-yl	Me	H	H	Cl	H	heptafloisopropyl	H	i-C3F7
27-535	pyriđin-4-yl	CN	H	H	Cl	H	heptafloisopropyl	H	CF3
27-548	phenyl	Me	H	H	F	H	nonaflo-2-butyl	H	CF3
27-549	phenyl	Me	H	H	Cl	H	nonaflo-2-butyl	H	CF3
27-557	3-bromphenyl	CH2C≡ CH	H	H	Cl	H	nonaflo-2-butyl	H	CF3
27-562	(2-triflometyl) phenyl	Me	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
27-564	(4-triflometyl) phenyl	NH2	H	H	Cl	H	nonaflo-2-butyl	H	CF3

27-569	3-xyanophenyl	Me	H	H	Cl	H	nonaflo-2-butyl	H	CF3
27-570	4-xyanophenyl	Me	H	H	Cl	H	nonaflo-2-butyl	H	CF3
27-577	2-brom-4-clophenyl	C(O)OMe	H	H	Cl	H	nonaflo-2-butyl	H	CF3
27-579	2-clo-4-nitrophenyl	Me	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
27-585	2-clopyriđin-3-yl	Me	H	H	Cl	H	nonaflo-2-butyl	H	CF3
27-598	5-flopyriđin-3-yl	C(O)OEt	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
27-600	5-brompyriđin-3-yl	Me	H	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
27-601	5-iođopyriđin-3-yl	Me	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7

Bảng 27(2)

Số hợp chất	Q1	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
27-605	4-flopyriđin-3-yl	Me	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
27-607	4-brompyriđin-3-yl	C(O)C(O)Me	H	H	Cl	H	nonaflo-2-butyl	H	CF3
27-609	4-(triflometyl)pyriđin-3-yl	Me	H	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
27-610	4-nitropyriđin-3-yl	C(O)C(O)Et	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
27-624	5-iođopyriđin-2-yl	C(O)Me	H	H	Cl	H	nonaflo-2-butyl	H	CF3
27-626	4-xyanopyriđin-2-yl	C(O)Et	H	H	Cl	H	nonaflo-2-butyl	H	C2F5
27-627	phenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-628	2-flophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-629	3-flophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-630	4-flophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-631	2-clophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-632	3-clophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-633	4-clophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-634	2-bromphenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-635	3-bromphenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-636	4-bromphenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-637	2-iođophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-638	3-iođophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-639	4-iođophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-640	(2-triflometyl)phenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-641	(3-triflometyl)phenyl	S(O)2Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-642	(4-triflometyl)phenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-643	2-nitrophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-644	3-nitrophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3

27-645	4-nitrophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-646	2-xyanophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-647	3-xyanophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-648	4-xyanophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-649	2,6-diflophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-650	3,4-diclophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-651	2,4-diclophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-652	2-clo-4-flophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-653	2-clo-4,5-diflophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-654	4-brom-2-clophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-655	2-brom-4-clophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-656	2-brom-4-flophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-657	2-clo-4-nitrophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-658	3,5-dixyanophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-659	4-xyano-2-flophenyl	S(O)2Et	H	H	Br	H	heptafloisopropyl	H	CF3
27-660	2-clo-4-xyanophenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-661	pyridin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-662	2-flopyridin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-663	2-clopyridin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-664	2-brompyridin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-665	2-iodopyridin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-666	2-(triflometyl)pyridin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-667	2-nitropyridin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-668	2-xyanopyridin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-669	6-flopyridin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3

27-670	6-clopyriđin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-671	6-brompyriđin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-672	6-iođopyriđin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-673	6-(triflometyl)pyriđin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-674	6-nitropyriđin-3-yl	CH2Ph	H	H	Br	H	heptafloisopropyl	H	CF3
27-675	6-xyanopyriđin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-676	5-flopyriđin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-677	5-clopyriđin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-678	5-brompyriđin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-679	5-iođopyriđin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-680	5-(triflometyl)pyriđin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-681	5-nitropyriđin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-682	5-xyanopyriđin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-683	4-flopyriđin-3-yl	CH2(3-Py)	H	H	Br	H	heptafloisopropyl	H	CF3
27-684	4-clopyriđin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3

Bảng 27(3)

Số hợp chất	Q1	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
27-685	4-brompyriđin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-686	4-iođopyriđin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-687	4-(triflometyl)pyriđin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-688	4-nitropyriđin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-689	4-xyanopyriđin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-690	2,6-điclopyriđin-3-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-691	pyriđin-3-yl N-oxit	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-692	pyriđin-4-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-693	2-clopyriđin-4-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-694	3-brompyriđin-4-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-695	3,5-điclopyriđin-4-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-696	3-(triflometyl)pyriđin-4-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-697	2,6-đixyanopyriđin-4-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-698	pyriđin-4-yl N-oxit	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-699	pyriđin-2-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-700	3-clopyriđin-2-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-701	4-brompyriđin-2-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-702	5-iođopyriđin-2-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-703	6-clopyriđin-2-yl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
27-704	4-xyanopyriđin-2-yl	CH2(3-Py-N-oxit)	H	H	Br	H	heptafloisopropyl	H	CF3
27-705	phenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-706	2-flophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-707	3-flophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-708	4-flophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-709	2-clophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3

27-710	3-clophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-711	4-clophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-712	2-bromphenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-713	3-bromphenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-714	4-bromphenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-715	2-iodophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-716	3-iodophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-717	4-iodophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-718	(2-triflometyl)phenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-719	(3-triflometyl)phenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-720	(4-triflometyl)phenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-721	2-nitrophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-722	3-nitrophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-723	4-nitrophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-724	2-xyanophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-725	3-xyanophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-726	4-xyanophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-727	2,6-diflophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-728	3,4-diclophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-729	2,4-diclophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-730	2-clo-4-flophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-731	2-clo-4,5-diflophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-732	4-brom-2-clophenyl	Et	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-733	2-brom-4-clophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-734	2-brom-4-flophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-735	2-clo-4-nitrophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-736	3,5-dixyanophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-737	4-xyano-2-flophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-738	2-clo-4-xyanophenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3

27-739	pyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-740	2-flopyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-741	2-clopyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-742	2-brompyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-743	2-iođopyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-744	2-(triflometyl)pyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-745	2-nitropyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-746	2-xyanopyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-747	6-flopyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-748	6-clopyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3

Bảng 27(4)

Số hợp chất	Q1	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
27-749	6-brompyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-750	6-iođopyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-751	6-(triflometyl)pyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-752	6-nitropyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-753	6-xyanopyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-754	5-flopyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-755	5-clopyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-756	5-brompyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-757	5-iođopyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-758	5-(triflometyl)pyriđin-3-yl	CN	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-759	5-nitropyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-760	5-xyanopyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-761	4-flopyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-762	4-clopyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-763	4-brompyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-764	4-iođopyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-765	4-(triflometyl)pyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-766	4-nitropyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-767	4-xyanopyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-768	2,6-điclopyriđin-3-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-769	pyriđin-3-yl N-oxit	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-770	pyriđin-4-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-771	2-clopyriđin-4-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-772	3-brompyriđin-4-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-773	3,5-điclopyriđin-4-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-774	3-(triflometyl)pyriđin-4-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-775	2,6-đixyanopyriđin-4-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-776	pyriđin-4-yl N-oxit	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-777	pyriđin-2-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-778	3-clopyriđin-2-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-779	4-brompyriđin-2-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3

27-780	5-iodopyridin-2-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-781	6-clopyridin-2-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-782	4-xyanopyridin-2-yl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
27-783	phenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-784	2-flophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-785	3-flophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-786	4-flophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-787	2-clophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-788	3-clophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-789	4-clophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-790	2-bromphenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-791	3-bromphenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-792	4-bromphenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-793	2-iodophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-794	3-iodophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-795	4-iodophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-796	(2-triflometyl)phenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-797	(3-triflometyl)phenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-798	(4-triflometyl)phenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-799	2-nitrophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-800	3-nitrophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-801	4-nitrophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-802	2-xyanophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-803	3-xyanophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-804	4-xyanophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-805	2,6-diflophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-806	3,4-diclophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-807	2,4-diclophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-808	2-clo-4-flophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-809	2-clo-4,5-diflophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-810	4-brom-2-clophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-811	2-brom-4-clophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-812	2-brom-4-flophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3

Bảng 27(5)

Số hợp chất	Q1	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
27-813	2-clo-4-nitrophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-814	3,5-đixyanophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-815	4-xyano-2-flophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-816	2-clo-4-xyanophenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-817	pyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-818	2-flopyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-819	2-clopyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-820	2-brompyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-821	2-iođopyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-822	2-(triflometyl)pyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-823	2-nitropyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-824	2-xyanopyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-825	6-flopyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-826	6-clopyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-827	6-brompyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-828	6-iođopyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-829	6-(triflometyl)pyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-830	6-nitropyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-831	6-xyanopyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-832	5-flopyriđin-3-yl	C(O)Me	H	H	I	H	heptafloisopropyl	H	CF3
27-833	5-clopyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-834	5-brompyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-835	5-iođopyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-836	5-(triflometyl)pyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-837	5-nitropyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-838	5-xyanopyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3

27-839	4-flopyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-840	4-clopyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-841	4-brompyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-842	4-iođopyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-843	4-(triflometyl)pyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-844	4-nitropyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-845	4-xyanopyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-846	2,6-điclopyriđin-3-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-847	pyriđin-3-yl N-oxit	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-848	pyriđin-4-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-849	2-clopyriđin-4-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-850	3-brompyriđin-4-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-851	3,5-điclopyriđin-4-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-852	3-(triflometyl)pyriđin-4-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-853	2,6-đixyanopyriđin-4-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-854	pyriđin-4-yl N-oxit	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-855	pyriđin-2-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-856	3-clopyriđin-2-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-857	4-brompyriđin-2-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-858	5-iođopyriđin-2-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-859	6-clopyriđin-2-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-860	4-xyanopyriđin-2-yl	Me	H	H	I	H	heptafloisopropyl	H	CF3
27-861	phenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-862	2-flophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-863	3-flophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-864	4-flophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-865	2-clophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-866	3-clophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-867	4-clophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3

27-868	2-bromphenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-869	3-bromphenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-870	4-bromphenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-871	2-iodophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-872	3-iodophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-873	4-iodophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-874	(2-triflometyl)phenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-875	(3-triflometyl)phenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-876	(4-triflometyl)phenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3

Bảng 27(6)

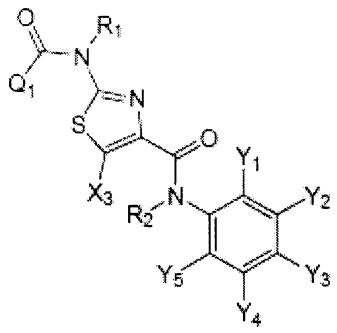
Số hợp chất	Q1	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
27-877	2-nitrophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-878	3-nitrophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-879	4-nitrophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-880	2-xyanophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-881	3-xyanophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-882	4-xyanophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-883	2,6-điflophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-884	3,4-điclophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-885	2,4-điclophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-886	2-clo-4-flophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-887	2-clo-4,5-điflophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-888	4-brom-2-clophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-889	2-brom-4-clophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-890	2-brom-4-flophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-891	2-clo-4-nitrophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-892	3,5-đixyanophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-893	4-xyano-2-flophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-894	2-clo-4-xyanophenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-895	pyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-896	2-flopyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-897	2-clopyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-898	2-brompyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-899	2-iođopyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-900	2-(triflometyl)pyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-901	2-nitropyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-902	2-xyanopyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-903	6-flopyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3

27-904	6-clopyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-905	6-brompyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-906	6-iođopyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-907	6-(triflometyl)pyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-908	6-nitropyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-909	6-xyanopyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-910	5-flopyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-911	5-clopyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-912	5-brompyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-913	5-iođopyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-914	5-(triflometyl)pyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-915	5-nitropyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-916	5-xyanopyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-917	4-flopyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-918	4-clopyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-919	4-brompyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-920	4-iođopyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-921	4-(triflometyl)pyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-922	4-nitropyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-923	4-xyanopyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-924	2,6-điclopyriđin-3-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-925	pyriđin-3-yl N-oxit	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-926	pyriđin-4-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-927	2-clopyriđin-4-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-928	3-brompyriđin-4-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-929	3,5-điclopyriđin-4-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-930	3-(triflometyl)pyriđin-4-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-931	2,6-đixyanopyriđin-4-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-932	pyriđin-4-yl N-oxit	Me	H	H	I	H	nonaflo-2-butyl	H	CF3

27-933	pyridin-2-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-934	3-clopyridin-2-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-935	4-brompyridin-2-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-936	5-iodopyridin-2-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-937	6-clopyridin-2-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-938	4-xyanopyridin-2-yl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
27-939	phenyl	Me	H	H	OCF3	H	heptafloisopropyl	H	OCF3
27-970	2-clopyridin-3-yl	Me	H	H	OCF3	H	heptafloisopropyl	H	OCF3

Bảng 27(7)

Số hợp chất	Q1	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
27-995	phenyl	Me	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
27-1026	2-clopyriđin-3-yl	Me	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
27-1051	phenyl	Me	H	H	CF3	H	heptafloisopropyl	H	OCF3
27-1082	2-clopyriđin-3-yl	Me	H	H	CF3	H	heptafloisopropyl	H	OCF3
27-1107	phenyl	Me	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
27-1138	2-clopyriđin-3-yl	Me	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
27-1163	phenyl	Me	H	H	CF3	H	heptafloisopropyl	H	CF3
27-1183	3-xyanophenyl	Me	H	H	CF3	H	heptafloisopropyl	H	CF3
27-1184	4-xyanophenyl	Me	H	H	CF3	H	heptafloisopropyl	H	CF3
27-1199	2-clopyriđin-3-yl	Me	H	H	CF3	H	heptafloisopropyl	H	CF3
27-1231	phenyl	Me	H	H	CF3	H	nonaflo-2-butyl	H	CF3
27-1251	3-xyanophenyl	Me	H	H	CF3	H	nonaflo-2-butyl	H	CF3
27-1252	4-xyanophenyl	Me	H	H	CF3	H	nonaflo-2-butyl	H	CF3
27-1267	2-clopyriđin-3-yl	Me	H	H	CF3	H	nonaflo-2-butyl	H	CF3



Bảng 28(1)

Số hợp chất	Q1	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
28-1	phenyl	H	Me	H	Cl	H	heptafloisopropyl	H	OCF3
28-21	3-xyanophenyl	H	Me	H	Cl	H	heptafloisopropyl	H	OCF3
28-22	4-xyanophenyl	H	Me	H	Cl	H	heptafloisopropyl	H	OCF3
28-37	2-clopyriđin-3-yl	H	Me	H	Cl	H	heptafloisopropyl	H	OCF3
28-79	phenyl	H	Me	H	Cl	H	nonaflo-2-butyl	H	OCF3
28-99	3-xyanophenyl	H	Me	H	Cl	H	nonaflo-2-butyl	H	OCF3
28-100	4-xyanophenyl	H	Me	H	Cl	H	nonaflo-2-butyl	H	OCF3
28-115	2-clopyriđin-3-yl	H	Me	H	Cl	H	nonaflo-2-butyl	H	OCF3
28-157	phenyl	H	Me	H	Br	H	heptafloisopropyl	H	OCF3
28-177	3-xyanophenyl	H	Me	H	Br	H	heptafloisopropyl	H	OCF3
28-178	4-xyanophenyl	H	Me	H	Br	H	heptafloisopropyl	H	OCF3
28-193	2-clopyriđin-3-yl	H	Me	H	Br	H	heptafloisopropyl	H	OCF3
28-235	phenyl	H	Me	H	Br	H	nonaflo-2-butyl	H	OCF3
28-255	3-xyanophenyl	H	Me	H	Br	H	nonaflo-2-butyl	H	OCF3
28-256	4-xyanophenyl	H	Me	H	Br	H	nonaflo-2-butyl	H	OCF3
28-271	2-clopyriđin-3-yl	H	Me	H	Br	H	nonaflo-2-butyl	H	OCF3
28-313	phenyl	H	Me	H	I	H	heptafloisopropyl	H	OCF3
28-333	3-xyanophenyl	H	Me	H	I	H	heptafloisopropyl	H	OCF3
28-334	4-xyanophenyl	H	Me	H	I	H	heptafloisopropyl	H	OCF3
28-349	2-clopyriđin-3-yl	H	Me	H	I	H	heptafloisopropyl	H	OCF3
28-391	phenyl	H	Me	H	I	H	nonaflo-2-butyl	H	OCF3

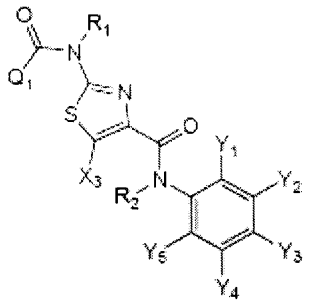
28-411	3-xyanophenyl	H	Me	H	I	H	nonaflo-2-butyl	H	OCF3
28-412	4-xyanophenyl	H	Me	H	I	H	nonaflo-2-butyl	H	OCF3
28-427	2-clopyriđin-3-yl	H	Me	H	I	H	nonaflo-2-butyl	H	OCF3
28-469	phenyl	H	Me	H	F	H	heptafloisopropyl	H	CF3
28-470	phenyl	H	Me	H	Cl	H	heptafloisopropyl	H	CF3
28-481	3-iođophenyl	H	Me	H	Cl	H	pentafloetyl	H	CF3
28-482	4-iođophenyl	H	Me	H	Cl	H	pentafloetyl	H	CF3
28-484	(3-triflometyl) phenyl	H	Et	H	Cl	H	heptafloisopropyl	H	CF3
28-489	2-xyanophenyl	H	Me	H	Cl	H	pentafloetyl	H	C2F5
28-490	3-xyanophenyl	H	Me	H	Cl	H	heptafloisopropyl	H	CF3
28-491	4-xyanophenyl	H	Me	H	Cl	H	heptafloisopropyl	H	CF3
28-494	2,4-điclophenyl	H	Me	H	Cl	H	heptafloisopropyl	H	C2F5
28-495	2-clo-4-flophenyl	H	n-Pr	H	Cl	H	heptafloisopropyl	H	CF3
28-498	2-brom-4-clophenyl	H	Me	H	Cl	H	heptafloisopropyl	H	n-C3F7
28-505	2-flopyriđin-3-yl	H	Me	H	Cl	H	pentafloetyl	H	CF3
28-506	2-clopyriđin-3-yl	H	Me	H	Cl	H	heptafloisopropyl	H	CF3
28-512	6-flopyriđin-3-yl	H	i-Pr	H	Cl	H	heptafloisopropyl	H	CF3
28-519	5-flopyriđin-3-yl	H	Me	H	Cl	H	heptafloisopropyl	H	C2F5
28-521	5-brompyriđin-3-yl	H	Me	H	Cl	H	heptafloisopropyl	H	n-C3F7
28-522	5-iođopyriđin-3-yl	H	Me	H	Cl	H	heptafloisopropyl	H	i-C3F7
28-524	5-nitropyriđin-3-yl	H	Me	H	Cl	H	pentafloetyl	H	CF3
28-526	4-flopyriđin-3-yl	H	Me	H	Cl	H	pentafloetyl	H	CF3
28-528	4-brompyriđin-3-yl	H	CH2CH = CH2	H	Cl	H	heptafloisopropyl	H	n-C3F7
28-529	4-iođopyriđin-3-yl	H	Me	H	Cl	H	heptafloisopropyl	H	i-C3F7
28-531	4-nitropyriđin-3-yl	H	Me	Cl	Cl	H	heptafloisopropyl	H	CF3
28-535	pyriđin-4-yl	H	CN	H	Cl	H	heptafloisopropyl	H	CF3
28-547	4-xyanopyriđin-2-yl	H	Me	H	Cl	H	pentafloetyl	H	CF3
28-548	phenyl	H	Me	H	F	H	nonaflo-2-butyl	H	CF3

28-549	phenyl	H	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
28-557	3-bromphenyl	H	CH2C≡ CH	H	Cl	H	nonaflo-2-butyl	H	CF3
28-562	(2-triflometyl) phenyl	H	Me	H	Cl	H	nonaflo-2-butyl	H	C2F5
28-564	(4-triflometyl) phenyl	H	NH2	H	Cl	H	nonaflo-2-butyl	H	CF3
28-569	3-xyanophenyl	H	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
28-570	4-xyanophenyl	H	Me	H	Cl	H	nonaflo-2-butyl	H	CF3

Bảng 28(2)

Số hợp chất	Q1	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
28-577	2-brom-4-clophenyl	H	C(O)OMe	H	Cl	H	nonaflo-2-butyl	H	CF3
28-579	2-clo-4-nitrophenyl	H	Me	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
28-585	2-clopyriđin-3-yl	H	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
28-598	5-flopyriđin-3-yl	H	C(O)OEt	H	Cl	H	nonaflo-2-butyl	H	C2F5
28-600	5-brompyriđin-3-yl	H	Me	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
28-601	5-iođopyriđin-3-yl	H	Me	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
28-605	4-flopyriđin-3-yl	H	Me	H	Cl	H	nonaflo-2-butyl	H	C2F5
28-607	4-brompyriđin-3-yl	H	C(O)C(O)Me	H	Cl	H	nonaflo-2-butyl	H	CF3
28-609	4-(triflometyl) pyriđin-3-yl	H	Me	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
28-610	4-nitropyriđin-3-yl	H	C(O)C(O)Et	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
28-624	5-iođopyriđin-2-yl	H	C(O)Me	H	Cl	H	nonaflo-2-butyl	H	CF3
28-626	4-xyanopyriđin-2-yl	H	C(O)Et	H	Cl	H	nonaflo-2-butyl	H	C2F5
28-627	phenyl	H	Me	H	Br	H	heptafloisopropyl	H	CF3
28-628	2-flophenyl	H	Me	H	Br	H	heptafloisopropyl	H	CF3
28-641	(3-triflometyl) phenyl	H	S(O)2Me	H	Br	H	heptafloisopropyl	H	CF3
28-647	3-xyanophenyl	H	Me	H	Br	H	heptafloisopropyl	H	CF3
28-648	4-xyanophenyl	H	Me	H	Br	H	heptafloisopropyl	H	CF3
28-659	4-xyano-2-flophenyl	H	S(O)2Et	H	Br	H	heptafloisopropyl	H	CF3
28-663	2-clopyriđin-3-yl	H	Me	H	Br	H	heptafloisopropyl	H	CF3
28-674	6-nitropyriđin-3-yl	H	CH2Ph	H	Br	H	heptafloisopropyl	H	CF3
28-683	4-flopyriđin-3-yl	H	CH2(3-Py)	H	Br	H	heptafloisopropyl	H	CF3
28-704	4-xyanopyriđin-2-yl	H	CH2(3-Py-N-oxit)	H	Br	H	heptafloisopropyl	H	CF3
28-705	phenyl	H	Me	H	Br	H	nonaflo-2-butyl	H	CF3
28-706	2-flophenyl	H	Me	H	Br	H	nonaflo-2-butyl	H	CF3
28-725	3-xyanophenyl	H	Me	H	Br	H	nonaflo-2-butyl	H	CF3
28-726	4-xyanophenyl	H	Me	H	Br	H	nonaflo-2-butyl	H	CF3

28-732	4-brom-2-clophenyl	H	Et	H	Br	H	nonaflo-2-butyl	H	CF3
28-741	2-clopyriđin-3-yl	H	Me	H	Br	H	nonaflo-2-butyl	H	CF3
28-758	5-(triflometyl) pyriđin-3-yl	H	CN	H	Br	H	nonaflo-2-butyl	H	CF3
28-783	phenyl	H	Me	H	I	H	heptafloisopropyl	H	CF3
28-784	2-flophenyl	H	Me	H	I	H	heptafloisopropyl	H	CF3
28-803	3-xyanophenyl	H	Me	H	I	H	heptafloisopropyl	H	CF3
28-804	4-xyanophenyl	H	Me	H	I	H	heptafloisopropyl	H	CF3
28-819	2-clopyriđin-3-yl	H	Me	H	I	H	heptafloisopropyl	H	CF3
28-832	5-flopyriđin-3-yl	H	C(O)Me	H	I	H	heptafloisopropyl	H	CF3
28-861	phenyl	H	Me	H	I	H	nonaflo-2-butyl	H	CF3
28-862	2-flophenyl	H	Me	H	I	H	nonaflo-2-butyl	H	CF3
28-881	3-xyanophenyl	H	Me	H	I	H	nonaflo-2-butyl	H	CF3
28-882	4-xyanophenyl	H	Me	H	I	H	nonaflo-2-butyl	H	CF3
28-897	2-clopyriđin-3-yl	H	Me	H	I	H	nonaflo-2-butyl	H	CF3
28-939	phenyl	H	Me	H	OCF3	H	heptafloisopropyl	H	OCF3
28-970	2-clopyriđin-3-yl	H	Me	H	OCF3	H	heptafloisopropyl	H	OCF3
28-995	phenyl	H	Me	H	OCF3	H	nonaflo-2-butyl	H	OCF3
28-1026	2-clopyriđin-3-yl	H	Me	H	OCF3	H	nonaflo-2-butyl	H	OCF3
28-1051	phenyl	H	Me	H	CF3	H	heptafloisopropyl	H	OCF3
28-1082	2-clopyriđin-3-yl	H	Me	H	CF3	H	heptafloisopropyl	H	OCF3
28-1107	phenyl	H	Me	H	CF3	H	nonaflo-2-butyl	H	OCF3
28-1138	2-clopyriđin-3-yl	H	Me	H	CF3	H	nonaflo-2-butyl	H	OCF3
28-1163	phenyl	H	Me	H	CF3	H	heptafloisopropyl	H	CF3
28-1183	3-xyanophenyl	H	Me	H	CF3	H	heptafloisopropyl	H	CF3
28-1184	4-xyanophenyl	H	Me	H	CF3	H	heptafloisopropyl	H	CF3
28-1199	2-clopyriđin-3-yl	H	Me	H	CF3	H	heptafloisopropyl	H	CF3
28-1231	phenyl	H	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
28-1251	3-xyanophenyl	H	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
28-1252	4-xyanophenyl	H	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
28-1267	2-clopyriđin-3-yl	H	Me	H	CF3	H	nonaflo-2-butyl	H	CF3



Bảng 29(1)

Số hợp chất	Q1	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
29-1	phenyl	Me	Me	H	Cl	H	heptafloisopropyl	H	OCF3
29-21	3-xyanophenyl	Me	Me	H	Cl	H	heptafloisopropyl	H	OCF3
29-22	4-xyanophenyl	Me	Me	H	Cl	H	heptafloisopropyl	H	OCF3
29-37	2-clopyriđin-3-yl	Me	Me	H	Cl	H	heptafloisopropyl	H	OCF3
29-79	phenyl	Me	Me	H	Cl	H	nonaflo-2-butyl	H	OCF3
29-99	3-xyanophenyl	Me	Me	H	Cl	H	nonaflo-2-butyl	H	OCF3
29-100	4-xyanophenyl	Me	Me	H	Cl	H	nonaflo-2-butyl	H	OCF3
29-115	2-clopyriđin-3-yl	Me	Me	H	Cl	H	nonaflo-2-butyl	H	OCF3
29-157	phenyl	Me	Me	H	Br	H	heptafloisopropyl	H	OCF3
29-177	3-xyanophenyl	Me	Me	H	Br	H	heptafloisopropyl	H	OCF3
29-178	4-xyanophenyl	Me	Me	H	Br	H	heptafloisopropyl	H	OCF3
29-193	2-clopyriđin-3-yl	Me	Me	H	Br	H	heptafloisopropyl	H	OCF3
29-235	phenyl	Me	Me	H	Br	H	nonaflo-2-butyl	H	OCF3
29-255	3-xyanophenyl	Me	Me	H	Br	H	nonaflo-2-butyl	H	OCF3
29-256	4-xyanophenyl	Me	Me	H	Br	H	nonaflo-2-butyl	H	OCF3
29-271	2-clopyriđin-3-yl	Me	Me	H	Br	H	nonaflo-2-butyl	H	OCF3
29-313	phenyl	Me	Me	H	I	H	heptafloisopropyl	H	OCF3
29-333	3-xyanophenyl	Me	Me	H	I	H	heptafloisopropyl	H	OCF3
29-334	4-xyanophenyl	Me	Me	H	I	H	heptafloisopropyl	H	OCF3
29-349	2-clopyriđin-3-yl	Me	Me	H	I	H	heptafloisopropyl	H	OCF3
29-391	phenyl	Me	Me	H	I	H	nonaflo-2-butyl	H	OCF3
29-411	3-xyanophenyl	Me	Me	H	I	H	nonaflo-2-butyl	H	OCF3
29-412	4-xyanophenyl	Me	Me	H	I	H	nonaflo-2-butyl	H	OCF3
29-427	2-clopyriđin-3-yl	Me	Me	H	I	H	nonaflo-2-butyl	H	OCF3
29-665	phenyl	Me	Me	H	F	H	heptafloisopropyl	H	CF3

29-666	phenyl	Me	Me	H	Cl	H	heptafloisopropyl	H	CF3
29-677	3-iodophenyl	Me	Me	H	Cl	H	pentafloetyl	H	CF3
29-678	4-iodophenyl	Me	Et	H	Cl	H	pentafloetyl	H	CF3
29-680	(3-triflometyl) phenyl	Et	Me	H	Cl	H	heptafloisopropyl	H	CF3
29-682	2-nitrophenyl	Me	Me	Cl	Cl	H	heptafloisopropyl	H	CF3
29-685	2-xyanophenyl	Me	Me	H	Cl	H	pentafloetyl	H	C2F5
29-686	3-xyanophenyl	Me	Me	H	Cl	H	heptafloisopropyl	H	CF3
29-687	4-xyanophenyl	Me	Me	H	Cl	H	heptafloisopropyl	H	CF3
29-689	3,4-diclophenyl	Me	n-Pr	H	Cl	H	heptafloisopropyl	H	CF3
29-690	2,4-diclophenyl	Me	Me	H	Cl	H	heptafloisopropyl	H	C2F5
29-691	2-clo-4-flophenyl	n-Pr	Me	H	Cl	H	heptafloisopropyl	H	CF3
29-694	2-brom-4-clophenyl	Me	Me	H	Cl	H	heptafloisopropyl	H	n-C3F7
29-701	2-flopyridin-3-yl	Me	Me	H	Cl	H	pentafloetyl	H	CF3
29-702	2-clopyridin-3-yl	Me	Me	H	Cl	H	heptafloisopropyl	H	CF3
29-706	2-nitropyridin-3-yl	Me	i-Pr	H	Cl	H	heptafloisopropyl	H	CF3
29-708	6-flopyridin-3-yl	i-Pr	Me	H	Cl	H	heptafloisopropyl	H	CF3
29-715	5-flopyridin-3-yl	Me	Me	H	Cl	H	heptafloisopropyl	H	C2F5
29-717	5-brompyridin-3-yl	Me	Me	H	Cl	H	heptafloisopropyl	H	n-C3F7
29-718	5-iodopyridin-3-yl	Me	Me	H	Cl	H	heptafloisopropyl	H	i-C3F7
29-720	5-nitropyridin-3-yl	Me	Me	H	Cl	H	pentafloetyl	H	CF3
29-722	4-flopyridin-3-yl	Me	CH2CH = CH2	H	Cl	H	pentafloetyl	H	CF3
29-724	4-brompyridin-3-yl	CH2CH = CH2	Me	H	Cl	H	heptafloisopropyl	H	n-C3F7
29-725	4-iodopyridin-3-yl	Me	Me	H	Cl	H	heptafloisopropyl	H	i-C3F7
29-729	2,6-diclopyridin-3-yl	Me	CN	H	Cl	H	heptafloisopropyl	H	CF3
29-731	pyridin-4-yl	CN	Me	H	Cl	H	heptafloisopropyl	H	CF3
29-743	4-xyanopyridin-2-yl	Me	Me	H	Cl	H	pentafloetyl	H	CF3
29-744	phenyl	Me	Me	H	F	H	nonaflo-2-butyl	H	CF3
29-745	phenyl	Me	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
29-751	4-clophenyl	Me	CH2C≡ CH	H	Cl	H	nonaflo-2-butyl	H	CF3
29-753	3-bromphenyl	CH2C≡ CH	Me	H	Cl	H	nonaflo-2-butyl	H	CF3

Bảng 29(2)

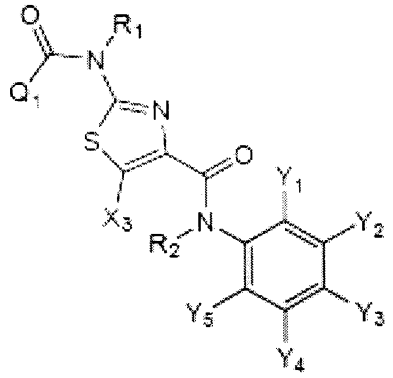
Số hợp chất	Q1	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
29-758	(2-triflometyl) phenyl	Me	NH2	H	Cl	H	nonaflo-2-butyl	H	C2F5
29-760	(4-triflometyl) phenyl	NH2	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
29-765	3-xyanophenyl	Me	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
29-766	4-xyanophenyl	Me	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
29-771	2-clo-4,5-điflophenyl	Me	C(O)OMe	H	Cl	H	nonaflo-2-butyl	H	CF3
29-773	2-brom-4-clophenyl	C(O)OMe	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
29-775	2-clo-4-nitrophenyl	Me	Me	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
29-781	2-clopyriđin-3-yl	Me	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
29-792	6-nitropyriđin-3-yl	Me	C(O)OEt	H	Cl	H	nonaflo-2-butyl	H	CF3
29-794	5-flopyriđin-3-yl	C(O)OEt	Me	H	Cl	H	nonaflo-2-butyl	H	C2F5
29-796	5-brompyriđin-3-yl	Me	Me	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
29-797	5-iođopyriđin-3-yl	Me	Me	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
29-801	4-flopyriđin-3-yl	Me	C(O)C(O)Me	H	Cl	H	nonaflo-2-butyl	H	C2F5
29-803	4-brompyriđin-3-yl	C(O)C(O)Me	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
29-804	4-iođopyriđin-3-yl	Me	C(O)C(O)Et	H	Cl	H	nonaflo-2-butyl	H	CF3
29-805	4-(triflometyl) pyriđin-3-yl	Me	Me	H	Cl	H	nonaflo-2-butyl	H	n-C3F7
29-806	4-nitropyriđin-3-yl	C(O)C(O)Et	Me	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
29-818	3-clopyriđin-2-yl	Me	C(O)Me	H	Cl	H	nonaflo-2-butyl	H	CF3
29-820	5-iođopyriđin-2-yl	C(O)Me	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
29-821	6-clopyriđin-2-yl	Me	C(O)Et	H	Cl	H	nonaflo-2-butyl	H	CF3
29-822	4-xyanopyriđin-2-yl	C(O)Et	Me	H	Cl	H	nonaflo-2-butyl	H	C2F5
29-823	phenyl	Me	Me	H	Br	H	heptafloisopropyl	H	CF3
29-824	2-flophenyl	Me	Me	H	Br	H	heptafloisopropyl	H	CF3

29-835	4-iodophenyl	Me	S(O)2Me	H	Br	H	heptafloisopropyl	H	CF3
29-837	(3-triflometyl) phenyl	S(O)2Me	Me	H	Br	H	heptafloisopropyl	H	CF3
29-843	3-xyanophenyl	Me	Me	H	Br	H	heptafloisopropyl	H	CF3
29-844	4-xyanophenyl	Me	Me	H	Br	H	heptafloisopropyl	H	CF3
29-853	2-clo-4-nitrophenyl	Me	S(O)2Et	H	Br	H	heptafloisopropyl	H	CF3
29-855	4-xyano-2-flophenyl	S(O)2Et	Me	H	Br	H	heptafloisopropyl	H	CF3
29-859	2-clopyridin-3-yl	Me	Me	H	Br	H	heptafloisopropyl	H	CF3
29-868	6-iodopyridin-3-yl	Me	CH2Ph	H	Br	H	heptafloisopropyl	H	CF3
29-870	6-nitropyridin-3-yl	CH2Ph	Me	H	Br	H	heptafloisopropyl	H	CF3
29-877	5-nitropyridin-3-yl	Me	CH2(3-Py)	H	Br	H	heptafloisopropyl	H	CF3
29-879	4-flopyridin-3-yl	CH2(3-Py)	Me	H	Br	H	heptafloisopropyl	H	CF3
29-898	5-iodopyridin-2-yl	Me	CH2(3-Py-N-oxit)	H	Br	H	heptafloisopropyl	H	CF3
29-900	4-xyanopyridin-2-yl	CH2(3-Py-N-oxit)	Me	H	Br	H	heptafloisopropyl	H	CF3
29-901	phenyl	Me	Me	H	Br	H	nonaflo-2-butyl	H	CF3
29-902	2-flophenyl	Me	Me	H	Br	H	nonaflo-2-butyl	H	CF3
29-921	3-xyanophenyl	Me	Me	H	Br	H	nonaflo-2-butyl	H	CF3
29-922	4-xyanophenyl	Me	Me	H	Br	H	nonaflo-2-butyl	H	CF3
29-926	2-clo-4-flophenyl	Me	Et	H	Br	H	nonaflo-2-butyl	H	CF3
29-928	4-brom-2-clophenyl	Et	Me	H	Br	H	nonaflo-2-butyl	H	CF3
29-937	2-clopyridin-3-yl	Me	Me	H	Br	H	nonaflo-2-butyl	H	CF3
29-952	5-brompyridin-3-yl	Me	CN	H	Br	H	nonaflo-2-butyl	H	CF3
29-954	5-(triflometyl) pyridin-3-yl	CN	Me	H	Br	H	nonaflo-2-butyl	H	CF3
29-979	phenyl	Me	Me	H	I	H	heptafloisopropyl	H	CF3
29-980	2-flophenyl	Me	Me	H	I	H	heptafloisopropyl	H	CF3
29-999	3-xyanophenyl	Me	Me	H	I	H	heptafloisopropyl	H	CF3
29-1000	4-xyanophenyl	Me	Me	H	I	H	heptafloisopropyl	H	CF3

29-1015	2-clopyriđin-3-yl	Me	Me	H	I	H	heptafloisopropyl	H	CF3
29-1026	6-nitropyriđin-3-yl	Me	C(O)Me	H	I	H	heptafloisopropyl	H	CF3
29-1028	5-flopyriđin-3-yl	C(O)Me	Me	H	I	H	heptafloisopropyl	H	CF3
29-1057	phenyl	Me	Me	H	I	H	nonaflo-2-butyl	H	CF3
29-1058	2-flophenyl	Me	Me	H	I	H	nonaflo-2-butyl	H	CF3
29-1077	3-xyanophenyl	Me	Me	H	I	H	nonaflo-2-butyl	H	CF3
29-1078	4-xyanophenyl	Me	Me	H	I	H	nonaflo-2-butyl	H	CF3
29-1093	2-clopyriđin-3-yl	Me	Me	H	I	H	nonaflo-2-butyl	H	CF3
29-1331	phenyl	Me	Me	H	OCF3	H	heptafloisopropyl	H	OCF3
29-1362	2-clopyriđin-3-yl	Me	Me	H	OCF3	H	heptafloisopropyl	H	OCF3
29-1387	phenyl	Me	Me	H	OCF3	H	nonaflo-2-butyl	H	OCF3
29-1418	2-clopyriđin-3-yl	Me	Me	H	OCF3	H	nonaflo-2-butyl	H	OCF3
29-1443	phenyl	Me	Me	H	CF3	H	heptafloisopropyl	H	OCF3
29-1474	2-clopyriđin-3-yl	Me	Me	H	CF3	H	heptafloisopropyl	H	OCF3
29-1499	phenyl	Me	Me	H	CF3	H	nonaflo-2-butyl	H	OCF3

Bảng 29(3)

Số hợp chất	Q1	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
29-1530	2-clopyriđin-3-yl	Me	Me	H	CF3	H	nonaflo-2-butyl	H	OCF3
29-1555	phenyl	Me	Me	H	CF3	H	heptafloisopropyl	H	CF3
29-1575	3-xyanophenyl	Me	Me	H	CF3	H	heptafloisopropyl	H	CF3
29-1576	4-xyanophenyl	Me	Me	H	CF3	H	heptafloisopropyl	H	CF3
29-1591	2-clopyriđin-3-yl	Me	Me	H	CF3	H	heptafloisopropyl	H	CF3
29-1623	phenyl	Me	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
29-1643	3-xyanophenyl	Me	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
29-1644	4-xyanophenyl	Me	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
29-1659	2-clopyriđin-3-yl	Me	Me	H	CF3	H	nonaflo-2-butyl	H	CF3

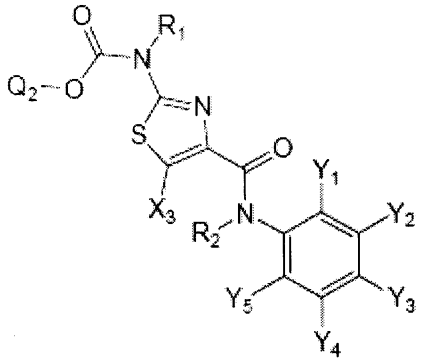


Bảng 30(1)

Số hợp chất	Q1	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
30-9	3-bromphenyl	H	Et	H	Cl	F	heptafloisopropyl	F	OCF3
30-39	2-iođopyriđin-3-yl	H	H	H	Cl	Me	nonaflo-2-butyl	Me	OCF3
30-144	phenyl	H	H	H	Cl	F	heptafloisopropyl	H	CF3
30-154	2-iođophenyl	H	H	H	Cl	F	heptafloisopropyl	Br	CF3
30-161	3-nitrophenyl	H	H	H	Cl	Br	heptafloisopropyl	Cl	CF3
30-168	2,4-điclophenyl	H	H	H	Cl	Me	nonaflo-2-butyl	H	CF3
30-182	2-iođopyriđin-3-yl	H	H	H	Cl	Me	nonaflo-2-butyl	Me	n-C3F7
30-183	2-(triflometyl) pyriđin-3-yl	H	H	H	Cl	Me	nonaflo-2-butyl	Et	i-C3F7
30-189	6-iođopyriđin-3-yl	H	H	H	Cl	Et	nonaflo-2-butyl	Me	n-C3F7
30-190	6-(triflometyl) pyriđin-3-yl	H	H	H	Cl	Et	nonaflo-2-butyl	Et	i-C3F7
30-196	5-brompyriđin-3-yl	H	H	H	Br	n-Pr	heptafloisopropyl	Me	CF3
30-197	5-iođopyriđin-3-yl	H	H	H	Br	n-Pr	heptafloisopropyl	Et	CF3
30-203	4-brompyriđin-3-yl	Me	n-Pr	H	Br	i-Pr	heptafloisopropyl	Me	CF3
30-204	4-iođopyriđin-3-yl	H	H	H	Br	i-Pr	heptafloisopropyl	Et	CF3
30-210	pyriđin-4-yl	H	H	H	Br	n-Bu	heptafloisopropyl	Me	CF3
30-211	2-clopyriđin-4-yl	H	H	H	Br	n-Bu	heptafloisopropyl	Et	CF3
30-217	pyriđin-2-yl	H	H	H	Br	i-Bu	nonaflo-2-butyl	Me	CF3

30-218	3-clopyriđin-2-yl	H	H	H	Br	i-Bu	nonaflo-2-butyl	Et	CF3
30-224	2-flophenyl	H	H	H	Br	s-Bu	nonaflo-2-butyl	Me	CF3
30-225	3-flophenyl	H	H	H	Br	s-Bu	nonaflo-2-butyl	Et	CF3
30-231	3-bromphenyl	H	H	H	Br	F	nonaflo-2-butyl	Me	CF3
30-232	4-bromphenyl	H	H	H	Br	F	nonaflo-2-butyl	Et	CF3
30-238	(4-triflometyl) phenyl	Et	i-Pr	H	Br	Cl	nonaflo-2-butyl	Me	CF3
30-239	2-nitrophenyl	H	H	H	Br	Cl	nonaflo-2-butyl	Et	CF3
30-245	4-xyanophenyl	H	H	H	I	Br	heptafloisopropyl	Me	CF3
30-246	2,6-điflophenyl	H	H	H	I	Br	heptafloisopropyl	Et	CF3
30-252	2-brom-4-clophenyl	n-Pr	Me	H	I	I	heptafloisopropyl	Me	CF3
30-253	2-brom-4-flophenyl	H	H	H	I	I	heptafloisopropyl	Et	CF3
30-259	2-flopyriđin-3-yl	H	H	H	I	Me	heptafloisopropyl	F	C2F5
30-260	2-clopyriđin-3-yl	H	H	H	I	Me	nonaflo-2-butyl	Cl	CF3
30-263	2-(triflometyl) pyriđin-3-yl	H	H	H	I	Et	nonaflo-2-butyl	F	CF3
30-264	2-nitropyriđin-3-yl	H	H	H	I	Et	nonaflo-2-butyl	Cl	CF3
30-267	6-clopyriđin-3-yl	H	H	H	I	n-Pr	nonaflo-2-butyl	F	CF3
30-268	6-brompyriđin-3-yl	H	H	H	I	n-Pr	nonaflo-2-butyl	Cl	CF3
30-271	6-nitropyriđin-3-yl	H	H	H	I	i-Pr	nonaflo-2-butyl	F	i-C3F7
30-272	6-xyanopyriđin-3-yl	H	H	H	I	i-Pr	nonaflo-2-butyl	Cl	CF3
30-275	5-brompyriđin-3-yl	H	H	H	I	n-Bu	nonaflo-2-butyl	F	CF3
30-276	5-iođopyriđin-3-yl	H	H	H	I	n-Bu	nonaflo-2-butyl	Cl	CF3
30-279	5-xyanopyriđin-3-yl	H	H	H	I	i-Bu	nonaflo-2-butyl	F	CF3
30-280	4-flopyriđin-3-yl	H	H	H	I	i-Bu	nonaflo-2-butyl	Cl	CF3
30-283	4-iođopyriđin-3-yl	i-Pr	n-Pr	H	I	s-Bu	nonaflo-2-butyl	F	CF3
30-284	4-(triflometyl) pyriđin-3-yl	H	H	H	I	s-Bu	nonaflo-2-butyl	Cl	CF3
30-295	3-bromphenyl	H	Et	H	OCF3	F	heptafloisopropyl	F	OCF3

30-325	2-iodopyridin-3-yl	H	H	H	OCF3	Me	nonaflo-2-butyl	Me	OCF3
30-438	3-bromphenyl	H	Et	H	OCF3	F	heptafloisopropyl	F	CF3
30-468	2-iodopyridin-3-yl	H	H	H	OCF3	Me	nonaflo-2-butyl	Me	CF3
30-581	3-bromphenyl	H	Et	H	CF3	F	heptafloisopropyl	F	CF3
30-611	2-iodopyridin-3-yl	H	H	H	CF3	Me	nonaflo-2-butyl	Me	CF3



Bảng 31(1)

Số hợp chất	Q2	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
31-1	2,2,2-tricloetyl	H	H	H	F	H	heptafloisopropyl	H	OCF3
31-2	2,2,2-tricloetyl	H	H	H	F	H	nonaflo-2-butyl	H	OCF3
31-9	2-cloetyl	H	H	Cl	Cl	H	heptafloisopropyl	H	OCF3
31-13	2,2,2-tricloetyl	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
31-16	3-flo-n-propyl	H	H	H	Cl	H	pentafloetyl	H	OCF3
31-18	3-brom-n-propyl	H	H	H	Cl	H	heptafloisopropyl	H	OC2F5
31-22	1,3-diclo-2-propyl	H	H	H	Cl	H	pentafloetyl	H	OC2F5
31-26	4,4,4-triflo-n-butyl	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
31-36	2-brometyl	H	H	H	Cl	H	nonaflo-2-butyl	H	OC2F5
31-42	2,2,2-tricloetyl	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
31-55	4,4,4-triflo-n-butyl	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
31-57	s-butyl	H	H	H	Cl	H	nonaflo-2-butyl	H	OC2F5
31-66	2-iodoetyl	H	H	H	Br	H	heptafloisopropyl	H	OC2F5
31-71	2,2,2-tricloetyl	H	H	H	Br	H	heptafloisopropyl	H	OCF3
31-84	4,4,4-triflo-n-butyl	H	H	H	Br	H	heptafloisopropyl	H	OCF3
31-100	2,2,2-tricloetyl	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
31-102	n-propyl	H	H	H	Br	H	nonaflo-2-butyl	H	OC2F5
31-113	4,4,4-triflo-n-butyl	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3

31-129	2,2,2-tricloetyl	H	H	H	I	H	heptafloisopropyl	H	OCF3
31-133	3-clo-n-propyl	H	H	H	I	H	heptafloisopropyl	H	OC2F5
31-142	4,4,4-triflo-n-butyl	H	H	H	I	H	heptafloisopropyl	H	OCF3
31-158	2,2,2-tricloetyl	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
31-171	4,4,4-triflo-n-butyl	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
31-175	benzyl	H	H	H	I	H	nonaflo-2-butyl	H	OC2F5
31-177	2,2,2-tricloetyl	H	H	H	F	H	heptafloisopropyl	H	CF3
31-178	2,2,2-tricloetyl	H	H	H	F	H	nonaflo-2-butyl	H	CF3
31-179	metyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
31-180	etyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
31-181	2-floetyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
31-182	2-cloetyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
31-183	2-brometyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
31-184	2-iodoetyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
31-185	2-xyanoetyl	H	H	H	Cl	H	heptafloisopropyl	H	C2F5
31-186	2,2-difloetyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
31-187	2,2-dicloetyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
31-188	2,2,2-trifloetyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
31-189	2,2,2-tricloetyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
31-190	2,2,2-tribrometyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
31-191	n-propyl	H	H	H	Cl	H	pentafloetyl	H	CF3
31-192	3-flo-n-propyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
31-193	3-clo-n-propyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
31-194	3-brom-n-propyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
31-195	i-propyl	H	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
31-196	1,2-diflo-2-propyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3

31-197	1,3-điflo-2-propyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
31-198	1,3-điclo-2-propyl	H	H	H	Cl	H	pentafloetyl	H	CF3
31-199	1-clo-3-flo-2-propyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
31-200	3,3,3-triflo-n-propyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
31-201	n-butyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3

Bảng 31(2)

Số hợp chất	Q2	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
31-202	4,4,4-triflo-n-butyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
31-203	i-butyl	H	H	Cl	Cl	H	heptafloisopropyl	H	CF3
31-204	s-butyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
31-205	vinyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
31-206	benzyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
31-207	phenyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
31-208	metyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-209	etyl	H	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
31-210	2-floetyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-211	2-cloetyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-212	2-brometyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-213	2-iođoetyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-214	2-xyanoetyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-215	2,2-đifloetyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-216	2,2-đicloetyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-217	2,2,2-trifloetyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-218	2,2,2-tricloetyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-219	2,2,2-tribrometyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-220	n-propyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-221	3-flo-n-propyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-222	3-clo-n-propyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-223	3-brom-n-propyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3

31-224	i-propyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-225	1,2-điflo-2-propyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-226	1,3-điflo-2-propyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-227	1,3-điclo-2-propyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-228	1-clo-3-flo-2-propyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-229	3,3,3-triflo-n-propyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-230	n-butyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-231	4,4,4-triflo-n-butyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-232	i-butyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-233	s-butyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-234	vinyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-235	benzyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-236	phenyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
31-237	metyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-238	etyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-239	2-floetyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-240	2-cloetyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-241	2-brometyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-242	2-iođoetyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-243	2-xyanoetyl	H	H	H	Br	H	heptafloisopropyl	H	C2F5
31-244	2,2-đifloetyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-245	2,2-đicloetyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-246	2,2,2-trifloetyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-247	2,2,2-tricloetyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-248	2,2,2-tribrometyl	H	H	H	Br	H	heptafloisopropyl	H	CF3

31-249	n-propyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-250	3-flo-n-propyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-251	3-clo-n-propyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-252	3-brom-n-propyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-253	i-propyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-254	1,2-diflo-2-propyl	H	H	H	Br	H	heptafloisopropyl	H	n-C3F7
31-255	1,3-diflo-2-propyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-256	1,3-diclo-2-propyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-257	1-clo-3-flo-2-propyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-258	3,3,3-triflo-n-propyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-259	n-butyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-260	4,4,4-triflo-n-butyl	H	H	H	Br	H	heptafloisopropyl	H	CF3

Bảng 31(3)

Số hợp chất	Q2	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
31-261	i-butyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-262	s-butyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-263	vinyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-264	benzyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-265	phenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
31-266	metyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-267	etyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-268	2-floetyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-269	2-cloetyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-270	2-brometyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-271	2-iođoetyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-272	2-xyanoetyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-273	2,2-đifloetyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-274	2,2-đicloetyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-275	2,2,2-trifloetyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-276	2,2,2-tricloetyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-277	2,2,2-tribrometyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-278	n-propyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-279	3-flo-n-propyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-280	3-clo-n-propyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-281	3-brom-n-propyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-282	i-propyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-283	1,2-điflo-2-propyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-284	1,3-điflo-2-propyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-285	1,3-điclo-2-propyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-286	1-clo-3-flo-2-propyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-287	3,3,3-triflo-n-propyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-288	n-butyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-289	4,4,4-triflo-n-butyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-290	i-butyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-291	s-butyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-292	vinyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3

31-293	benzyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
31-294	phenyl	H	H	H	Br	H	nonaflo-2-butyl	H	i-C3F7
31-295	metyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-296	etyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-297	2-floetyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-298	2-cloetyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-299	2-brometyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-300	2-iođoetyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-301	2-xyanoetyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-302	2,2-đifloetyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-303	2,2-đicloetyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-304	2,2,2-trifloetyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-305	2,2,2-tricloetyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-306	2,2,2-tribrometyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-307	n-propyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-308	3-flo-n-propyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-309	3-clo-n-propyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-310	3-brom-n-propyl	H	H	H	I	H	heptafloisopropyl	H	C2F5
31-311	i-propyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-312	1,2-điflo-2-propyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-313	1,3-điflo-2-propyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-314	1,3-điclo-2-propyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-315	1-clo-3-flo-2-propyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-316	3,3,3-triflo-n-propyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-317	n-butyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-318	4,4,4-triflo-n-butyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-319	i-butyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-320	s-butyl	H	H	H	I	H	heptafloisopropyl	H	CF3

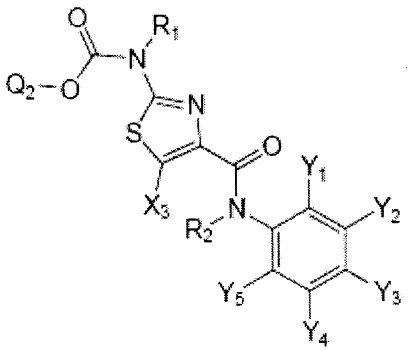
Bảng 31(4)

Số hợp chất	Q2	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
31-321	vinyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-322	benzyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-323	phenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
31-324	metyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-325	etyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-326	2-floetyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-327	2-cloetyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-328	2-brometyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-329	2-iođoetyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-330	2-xyanoetyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-331	2,2-đifloetyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-332	2,2-đicloetyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-333	2,2,2-trifloetyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-334	2,2,2-tricloetyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-335	2,2,2-tribrometyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-336	n-propyl	H	H	H	I	H	nonaflo-2-butyl	H	n-C3F7
31-337	3-flo-n-propyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-338	3-clo-n-propyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-339	3-brom-n-propyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-340	i-propyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-341	1,2-điflo-2-propyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-342	1,3-điflo-2-propyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-343	1,3-điclo-2-propyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-344	1-clo-3-flo-2-propyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-345	3,3,3-triflo-n-propyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-346	n-butyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-347	4,4,4-triflo-n-butyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-348	i-butyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-349	s-butyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-350	vinyl	H	H	H	I	H	nonaflo-2-butyl	H	i-C3F7
31-351	benzyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3

31-352	phenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
31-359	2-xyanoetyl	H	H	H	OCF3	H	heptafloisopropyl	H	OC2F5
31-363	2,2,2-tricloetyl	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
31-364	2,2,2-tribrometyl	H	H	H	OCF3	H	pentafloetyl	H	OCF3
31-373	1-clo-3-flo-2-propyl	H	H	H	OC2F5	H	heptafloisopropyl	H	OC2F5
31-376	4,4,4-triflo-n-butyl	H	H	H	OCF3	H	heptafloisopropyl	H	OCF3
31-378	s-butyl	H	H	H	OC2F5	H	heptafloisopropyl	H	OCF3
31-391	2,2,2-trifloetyl	H	H	H	OC2F5	H	nonaflo-2-butyl	H	OCF3
31-392	2,2,2-tricloetyl	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
31-394	n-propyl	H	H	Cl	OCF3	H	nonaflo-2-butyl	H	OC2F5
31-403	3,3,3-triflo-n-propyl	H	H	H	OC2F5	H	nonaflo-2-butyl	H	OC2F5
31-405	4,4,4-triflo-n-butyl	H	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
31-417	2-xyanoetyl	H	H	H	CF3	H	heptafloisopropyl	H	OC2F5
31-421	2,2,2-tricloetyl	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
31-423	n-propyl	H	H	H	C2F5	H	heptafloisopropyl	H	OC2F5
31-427	i-propyl	H	H	H	CF3	H	pentafloetyl	H	OCF3
31-432	3,3,3-triflo-n-propyl	H	H	Cl	n-C3F7	H	heptafloisopropyl	H	OCF3
31-434	4,4,4-triflo-n-butyl	H	H	H	CF3	H	heptafloisopropyl	H	OCF3
31-437	vinyl	H	H	H	i-C3F7	H	heptafloisopropyl	H	OCF3
31-445	2-iodoetyl	H	H	H	C2F5	H	nonaflo-2-butyl	H	OCF3
31-450	2,2,2-tricloetyl	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
31-452	n-propyl	H	H	H	n-C3F7	H	nonaflo-2-butyl	H	OCF3
31-456	i-propyl	H	H	H	CF3	H	nonaflo-2-butyl	H	OC2F5
31-463	4,4,4-triflo-n-butyl	H	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
31-464	i-butyl	H	H	H	i-C3F7	H	nonaflo-2-butyl	H	OCF3
31-467	benzyl	H	H	H	n-C3F7	H	nonaflo-2-butyl	H	OC2F5
31-468	phenyl	H	H	H	i-C3F7	H	nonaflo-2-butyl	H	OC2F5

Bảng 31(5)

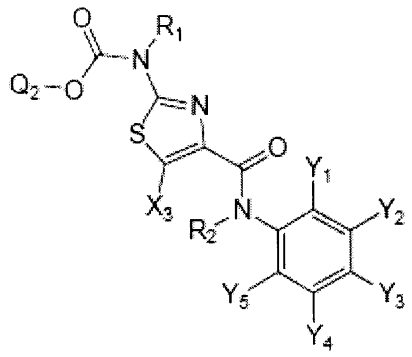
Số hợp chất	Q2	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
31-479	2,2,2-tricloetyl	H	H	H	CF3	H	heptafloisopropyl	H	CF3
31-482	3-flo-n-propyl	H	H	H	C2F5	H	heptafloisopropyl	H	CF3
31-485	i-propyl	H	H	H	i-C3F7	H	heptafloisopropyl	H	CF3
31-487	1,3-điflo-2-propyl	H	H	H	CF3	H	pentafloetyl	H	CF3
31-490	3,3,3-triflo-n-propyl	H	H	H	C2F5	H	heptafloisopropyl	H	C2F5
31-492	4,4,4-triflo-n-butyl	H	H	H	CF3	H	heptafloisopropyl	H	CF3
31-493	i-butyl	H	H	H	C2F5	H	heptafloisopropyl	H	n-C3F7
31-495	vinyl	H	H	H	n-C3F7	H	heptafloisopropyl	H	CF3
31-508	2,2,2-tricloetyl	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
31-520	n-butyl	H	H	H	C2F5	H	nonaflo-2-butyl	H	i-C3F7
31-521	4,4,4-triflo-n-butyl	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
31-522	i-butyl	H	H	Cl	CF3	H	nonaflo-2-butyl	H	CF3
31-524	vinyl	H	H	H	n-C3F7	H	nonaflo-2-butyl	H	i-C3F7



Bảng 32(1)

Số hợp chất	Q2	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
32-1	2,2,2-tricloetyl	Me	H	H	F	H	heptafloisopropyl	H	OCF3
32-2	2,2,2-tricloetyl	Me	H	H	F	H	nonaflo-2-butyl	H	OCF3
32-13	2,2,2-tricloetyl	Me	H	H	Cl	H	heptafloisopropyl	H	OCF3
32-42	2,2,2-tricloetyl	Me	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
32-71	2,2,2-tricloetyl	Me	H	H	Br	H	heptafloisopropyl	H	OCF3
32-100	2,2,2-tricloetyl	Me	H	H	Br	H	nonaflo-2-butyl	H	OCF3
32-129	2,2,2-tricloetyl	Me	H	H	I	H	heptafloisopropyl	H	OCF3
32-158	2,2,2-tricloetyl	Me	H	H	I	H	nonaflo-2-butyl	H	OCF3
32-177	2,2,2-tricloetyl	Me	H	H	F	H	heptafloisopropyl	H	CF3
32-178	2,2,2-tricloetyl	Me	H	H	F	H	nonaflo-2-butyl	H	CF3
32-185	2-xyanoetyl	Et	H	H	Cl	H	heptafloisopropyl	H	C2F5
32-189	2,2,2-tricloetyl	Me	H	H	Cl	H	heptafloisopropyl	H	CF3
32-191	n-propyl	Me	H	H	Cl	H	pentafloetyl	H	CF3
32-195	i-propyl	n-Pr	H	H	Cl	H	heptafloisopropyl	H	n-C3F7
32-198	1,3-điclo-2-propyl	Me	H	H	Cl	H	pentafloetyl	H	CF3
32-199	1-clo-3-flo-2-propyl	i-Pr	H	H	Cl	H	heptafloisopropyl	H	CF3
32-202	4,4,4-triflo-n-butyl	Me	H	H	Cl	H	heptafloisopropyl	H	CF3
32-203	i-butyl	CH2CH = CH2	H	H	Cl	H	heptafloisopropyl	H	CF3
32-207	phenyl	Me	H	Cl	Cl	H	heptafloisopropyl	H	CF3
32-209	etyl	Me	H	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
32-214	2-xyanoetyl	CN	H	H	Cl	H	nonaflo-2-butyl	H	CF3
32-218	2,2,2-tricloetyl	Me	H	H	Cl	H	nonaflo-2-butyl	H	CF3
32-220	n-propyl	CH2C≡ CH	H	H	Cl	H	nonaflo-2-butyl	H	CF3

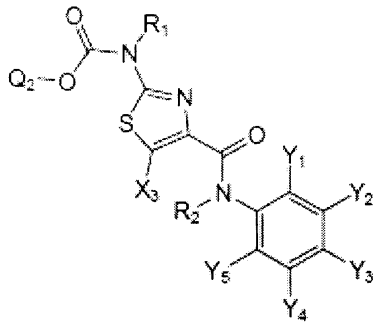
32-231	4,4,4-triflo-n-butyl	Me	H	H	Cl	H	nonaflo-2-butyl	H	CF3
32-232	i-butyl	NH2	H	H	Cl	H	nonaflo-2-butyl	H	CF3
32-243	2-xyanoetyl	Me	H	H	Br	H	heptafloisopropyl	H	C2F5
32-247	2,2,2-tricloetyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
32-249	n-propyl	C(O)OMe	H	H	Br	H	heptafloisopropyl	H	CF3
32-254	1,2-diflo-2-propyl	Me	H	H	Br	H	heptafloisopropyl	H	n-C3F7
32-260	4,4,4-triflo-n-butyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
32-263	vinyl	C(O)C(O)OMe	H	H	Br	H	heptafloisopropyl	H	CF3
32-276	2,2,2-tricloetyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
32-278	n-propyl	C(O)OEt	H	H	Br	H	nonaflo-2-butyl	H	CF3
32-282	i-propyl	C(O)Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
32-289	4,4,4-triflo-n-butyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
32-294	phenyl	C(O)C(O)OEt	H	H	Br	H	nonaflo-2-butyl	H	i-C3F7
32-305	2,2,2-tricloetyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
32-310	3-brom-n-propyl	C(O)Et	H	H	I	H	heptafloisopropyl	H	C2F5
32-318	4,4,4-triflo-n-butyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
32-322	benzyl	S(O)2Me	H	H	I	H	heptafloisopropyl	H	CF3
32-330	2-xyanoetyl	S(O)2Et	H	H	I	H	nonaflo-2-butyl	H	CF3
32-334	2,2,2-tricloetyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
32-336	n-propyl	CH2Ph	H	H	I	H	nonaflo-2-butyl	H	n-C3F7
32-340	i-propyl	CH2(3-Py)	H	H	I	H	nonaflo-2-butyl	H	CF3
32-347	4,4,4-triflo-n-butyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
32-349	s-butyl	CH2(3-Py-N-oxit)	H	H	I	H	nonaflo-2-butyl	H	CF3
32-350	vinyl	Me	H	H	I	H	nonaflo-2-butyl	H	i-C3F7
32-363	2,2,2-tricloetyl	Me	H	H	OCF3	H	heptafloisopropyl	H	OCF3
32-392	2,2,2-tricloetyl	Me	H	H	OCF3	H	nonaflo-2-butyl	H	OCF3
32-421	2,2,2-tricloetyl	Me	H	H	CF3	H	heptafloisopropyl	H	OCF3
32-450	2,2,2-tricloetyl	Me	H	H	CF3	H	nonaflo-2-butyl	H	OCF3
32-479	2,2,2-tricloetyl	Me	H	H	CF3	H	heptafloisopropyl	H	CF3
32-508	2,2,2-tricloetyl	Me	H	H	CF3	H	nonaflo-2-butyl	H	CF3



Bảng 33(1)

Số hợp chất	Q2	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
33-1	2,2,2-tricloetyl	H	Me	H	F	H	heptafloisopropyl	H	OCF3
33-2	2,2,2-tricloetyl	H	Me	H	F	H	nonaflo-2-butyl	H	OCF3
33-13	2,2,2-tricloetyl	H	Me	H	Cl	H	heptafloisopropyl	H	OCF3
33-42	2,2,2-tricloetyl	H	Me	H	Cl	H	nonaflo-2-butyl	H	OCF3
33-71	2,2,2-tricloetyl	H	Me	H	Br	H	heptafloisopropyl	H	OCF3
33-100	2,2,2-tricloetyl	H	Me	H	Br	H	nonaflo-2-butyl	H	OCF3
33-129	2,2,2-tricloetyl	H	Me	H	I	H	heptafloisopropyl	H	OCF3
33-158	2,2,2-tricloetyl	H	Me	H	I	H	nonaflo-2-butyl	H	OCF3
33-177	2,2,2-tricloetyl	H	Me	H	F	H	heptafloisopropyl	H	CF3
33-178	2,2,2-tricloetyl	H	Me	H	F	H	nonaflo-2-butyl	H	CF3
33-185	2-xyanoetyl	H	Et	H	Cl	H	heptafloisopropyl	H	C2F5
33-189	2,2,2-tricloetyl	H	Me	H	Cl	H	heptafloisopropyl	H	CF3
33-191	n-propyl	H	Me	H	Cl	H	pentafloetyl	H	CF3
33-195	i-propyl	H	n-Pr	H	Cl	H	heptafloisopropyl	H	n-C3F7
33-198	1,3-điclo-2-propyl	H	Me	H	Cl	H	pentafloetyl	H	CF3
33-199	1-clo-3-flo-2-propyl	H	i-Pr	H	Cl	H	heptafloisopropyl	H	CF3
33-203	i-butyl	H	CH2CH = CH2	H	Cl	H	heptafloisopropyl	H	CF3
33-207	phenyl	H	Me	Cl	Cl	H	heptafloisopropyl	H	CF3
33-209	etyl	H	Me	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
33-214	2-xyanoetyl	H	CN	H	Cl	H	nonaflo-2-butyl	H	CF3
33-218	2,2,2-tricloetyl	H	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
33-220	n-propyl	H	CH2C≡ CH	H	Cl	H	nonaflo-2-butyl	H	CF3
33-232	i-butyl	H	NH2	H	Cl	H	nonaflo-2-butyl	H	CF3

33-243	2-xyanoetyl	H	Me	H	Br	H	heptafloisopropyl	H	C2F5
33-247	2,2,2-tricloetyl	H	Me	H	Br	H	heptafloisopropyl	H	CF3
33-249	n-propyl	H	C(O)OMe	H	Br	H	heptafloisopropyl	H	CF3
33-254	1,2-diflo-2-propyl	H	Me	H	Br	H	heptafloisopropyl	H	n-C3F7
33-260	4,4,4-triflo-n-butyl	H	Me	H	Br	H	heptafloisopropyl	H	CF3
33-263	vinyl	H	C(O)C(O)OMe	H	Br	H	heptafloisopropyl	H	CF3
33-276	2,2,2-tricloetyl	H	Me	H	Br	H	nonaflo-2-butyl	H	CF3
33-278	n-propyl	H	C(O)OEt	H	Br	H	nonaflo-2-butyl	H	CF3
33-282	i-propyl	H	C(O)Me	H	Br	H	nonaflo-2-butyl	H	CF3
33-289	4,4,4-triflo-n-butyl	H	Me	H	Br	H	nonaflo-2-butyl	H	CF3
33-294	phenyl	H	C(O)C(O)OEt	H	Br	H	nonaflo-2-butyl	H	i-C3F7
33-305	2,2,2-tricloetyl	H	Me	H	I	H	heptafloisopropyl	H	CF3
33-310	3-brom-n-propyl	H	C(O)Et	H	I	H	heptafloisopropyl	H	C2F5
33-318	4,4,4-triflo-n-butyl	H	Me	H	I	H	heptafloisopropyl	H	CF3
33-322	benzyl	H	S(O)2Me	H	I	H	heptafloisopropyl	H	CF3
33-330	2-xyanoetyl	H	S(O)2Et	H	I	H	nonaflo-2-butyl	H	CF3
33-334	2,2,2-tricloetyl	H	Me	H	I	H	nonaflo-2-butyl	H	CF3
33-336	n-propyl	H	CH2Ph	H	I	H	nonaflo-2-butyl	H	n-C3F7
33-340	i-propyl	H	CH2(3-Py)	H	I	H	nonaflo-2-butyl	H	CF3
33-347	4,4,4-triflo-n-butyl	H	Me	H	I	H	nonaflo-2-butyl	H	CF3
33-349	s-butyl	H	CH2(3-Py-N-oxit)	H	I	H	nonaflo-2-butyl	H	CF3
33-350	vinyl	H	Me	H	I	H	nonaflo-2-butyl	H	i-C3F7
33-363	2,2,2-tricloetyl	H	Me	H	OCF3	H	heptafloisopropyl	H	OCF3
33-392	2,2,2-tricloetyl	H	Me	H	OCF3	H	nonaflo-2-butyl	H	OCF3
33-421	2,2,2-tricloetyl	H	Me	H	CF3	H	heptafloisopropyl	H	OCF3
33-450	2,2,2-tricloetyl	H	Me	H	CF3	H	nonaflo-2-butyl	H	OCF3
33-479	2,2,2-tricloetyl	H	Me	H	CF3	H	heptafloisopropyl	H	CF3
33-508	2,2,2-tricloetyl	H	Me	H	CF3	H	nonaflo-2-butyl	H	CF3



Bảng 34(1)

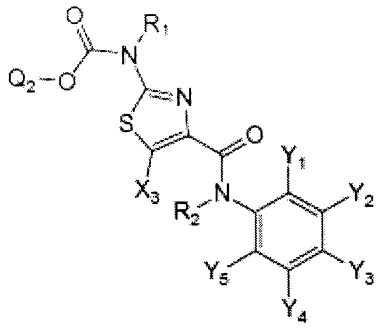
Số hợp chất	Q2	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
34-1	2,2,2-tricloetyl	Me	Me	H	F	H	heptafloisopropyl	H	OCF3
34-2	2,2,2-tricloetyl	Me	Me	H	F	H	nonaflo-2-butyl	H	OCF3
34-13	2,2,2-tricloetyl	Me	Me	H	Cl	H	heptafloisopropyl	H	OCF3
34-42	2,2,2-tricloetyl	Me	Me	H	Cl	H	nonaflo-2-butyl	H	OCF3
34-71	2,2,2-tricloetyl	Me	Me	H	Br	H	heptafloisopropyl	H	OCF3
34-100	2,2,2-tricloetyl	Me	Me	H	Br	H	nonaflo-2-butyl	H	OCF3
34-129	2,2,2-tricloetyl	Me	Me	H	I	H	heptafloisopropyl	H	OCF3
34-158	2,2,2-tricloetyl	Me	Me	H	I	H	nonaflo-2-butyl	H	OCF3
34-373	2,2,2-tricloetyl	Me	Me	H	F	H	heptafloisopropyl	H	CF3
34-374	2,2,2-tricloetyl	Me	Me	H	F	H	nonaflo-2-butyl	H	CF3
34-380	2-iođoetyl	Me	Et	H	Cl	H	heptafloisopropyl	H	CF3
34-381	2-xyanoetyl	Et	Me	H	Cl	H	heptafloisopropyl	H	C2F5
34-385	2,2,2-tricloetyl	Me	Me	H	Cl	H	heptafloisopropyl	H	CF3
34-387	n-propyl	Me	n-Pr	H	Cl	H	pentafloetyl	H	CF3
34-391	i-propyl	n-Pr	Me	H	Cl	H	heptafloisopropyl	H	n-C3F7
34-394	1,3-điclo-2-propyl	Me	Me	H	Cl	H	pentafloetyl	H	CF3
34-395	1-clo-3-flo-2-propyl	i-Pr	Me	H	Cl	H	heptafloisopropyl	H	CF3
34-397	n-butyl	Me	i-Pr	H	Cl	H	heptafloisopropyl	H	CF3
34-399	i-butyl	CH2CH = CH2	Me	H	Cl	H	heptafloisopropyl	H	CF3
34-400	s-butyl	Me	CH2CH = CH2	H	Cl	H	heptafloisopropyl	H	CF3
34-401	vinyl	Me	CN	H	Cl	H	heptafloisopropyl	H	CF3

34-405	etyl	Me	Me	H	Cl	H	nonaflo-2-butyl	H	i-C3F7
34-410	2-xyanoetyl	CN	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
34-414	2,2,2-tricloetyl	Me	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
34-415	2,2,2-tribrometyl	Me	CH2C≡ CH	H	Cl	H	nonaflo-2-butyl	H	CF3
34-416	n-propyl	CH2C≡ CH	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
34-420	i-propyl	Me	Me	Cl	Cl	H	nonaflo-2-butyl	H	CF3
34-426	n-butyl	Me	NH2	H	Cl	H	nonaflo-2-butyl	H	CF3
34-428	i-butyl	NH2	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
34-439	2-xyanoetyl	Me	C(O)OMe	H	Br	H	heptafloisopropyl	H	C2F5
34-443	2,2,2-tricloetyl	Me	Me	H	Br	H	heptafloisopropyl	H	CF3
34-445	n-propyl	C(O)OMe	Me	H	Br	H	heptafloisopropyl	H	CF3
34-450	1,2-diflo-2-propyl	Me	Me	H	Br	H	heptafloisopropyl	H	n-C3F7
34-456	4,4,4-triflo-n-butyl	Me	Me	H	Br	H	heptafloisopropyl	H	CF3
34-457	i-butyl	Me	C(O)C(O)OMe	H	Br	H	heptafloisopropyl	H	CF3

Bảng 34(2)

Số hợp chất	Q2	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
34-459	vinyl	C(O)C(O)OMe	Me	H	Br	H	heptafloisopropyl	H	CF3
34-468	2-xyanoetyl	Me	C(O)OEt	H	Br	H	nonaflo-2-butyl	H	CF3
34-472	2,2,2-tricloetyl	Me	Me	H	Br	H	nonaflo-2-butyl	H	CF3
34-474	n-propyl	C(O)OEt	Me	H	Br	H	nonaflo-2-butyl	H	CF3
34-477	3-brom-n-propyl	Me	C(O)Me	H	Br	H	nonaflo-2-butyl	H	CF3
34-478	i-propyl	C(O)Me	Me	H	Br	H	nonaflo-2-butyl	H	CF3
34-485	4,4,4-triflo-n-butyl	Me	Me	H	Br	H	nonaflo-2-butyl	H	CF3
34-486	i-butyl	Me	C(O)C(O)OEt	H	Br	H	nonaflo-2-butyl	H	CF3
34-490	phenyl	C(O)C(O)OEt	Me	H	Br	H	nonaflo-2-butyl	H	i-C3F7
34-501	2,2,2-tricloetyl	Me	Me	H	I	H	heptafloisopropyl	H	CF3
34-503	n-propyl	Me	C(O)Et	H	I	H	heptafloisopropyl	H	CF3
34-506	3-brom-n-propyl	C(O)Et	Me	H	I	H	heptafloisopropyl	H	C2F5
34-514	4,4,4-triflo-n-butyl	Me	Me	H	I	H	heptafloisopropyl	H	CF3
34-515	i-butyl	Me	S(O)2Me	H	I	H	heptafloisopropyl	H	CF3
34-518	benzyl	S(O)2Me	Me	H	I	H	heptafloisopropyl	H	CF3
34-525	2-iođoetyl	Me	S(O)2Et	H	I	H	nonaflo-2-butyl	H	CF3
34-526	2-xyanoetyl	S(O)2Et	Me	H	I	H	nonaflo-2-butyl	H	CF3
34-530	2,2,2-tricloetyl	Me	Me	H	I	H	nonaflo-2-butyl	H	CF3
34-531	2,2,2-tribrometyl	Me	CH2Ph	H	I	H	nonaflo-2-butyl	H	CF3
34-532	n-propyl	CH2Ph	Me	H	I	H	nonaflo-2-butyl	H	n-C3F7
34-536	i-propyl	CH2(3-Py)	Me	H	I	H	nonaflo-2-butyl	H	CF3
34-542	n-butyl	Me	CH2(3-Py)	H	I	H	nonaflo-2-butyl	H	CF3
34-543	4,4,4-triflo-n-butyl	Me	Me	H	I	H	nonaflo-2-butyl	H	CF3
34-545	s-butyl	CH2(3-Py-N-oxit)	Me	H	I	H	nonaflo-2-butyl	H	CF3
34-546	vinyl	Me	Me	H	I	H	nonaflo-2-butyl	H	i-C3F7

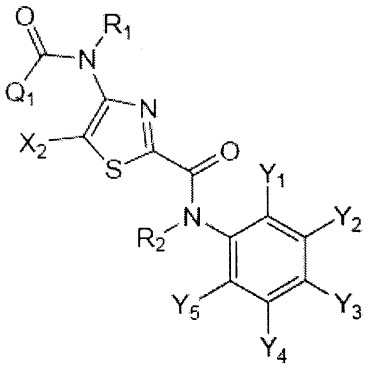
34-548	phenyl	Me	CH2(3-Py-N-oxit)	H	I	H	nonaflo-2-butyl	H	CF3
34-755	2,2,2-tricloetyl	Me	Me	H	OCF3	H	heptafloisopropyl	H	OCF3
34-784	2,2,2-tricloetyl	Me	Me	H	OCF3	H	nonaflo-2-butyl	H	OCF3
34-813	2,2,2-tricloetyl	Me	Me	H	CF3	H	heptafloisopropyl	H	OCF3
34-842	2,2,2-tricloetyl	Me	Me	H	CF3	H	nonaflo-2-butyl	H	OCF3
34-871	2,2,2-tricloetyl	Me	Me	H	CF3	H	heptafloisopropyl	H	CF3
34-900	2,2,2-tricloetyl	Me	Me	H	CF3	H	nonaflo-2-butyl	H	CF3



Bảng 35(1)

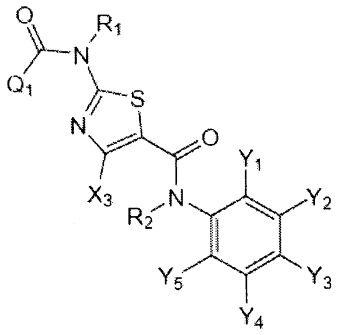
Số hợp chất	Q2	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
35-9	2,2-đicloetyl	H	Et	H	Cl	F	heptafloisopropyl	F	OCF3
35-39	2,2,2-trifloetyl	H	H	H	Cl	Me	nonaflo-2-butyl	Me	OCF3
35-154	2,2,2-tricloetyl	H	H	H	Cl	F	heptafloisopropyl	Br	CF3
35-183	2,2,2-tricloetyl	H	H	H	Cl	Me	nonaflo-2-butyl	Et	i-C3F7
35-189	i-propyl	H	H	Cl	Cl	Et	nonaflo-2-butyl	Me	n-C3F7
35-190	1,2-điflo-2-propyl	H	H	H	Cl	Et	nonaflo-2-butyl	Et	i-C3F7
35-196	2-cloetyl	H	H	H	Br	n-Pr	heptafloisopropyl	Me	CF3
35-197	2-brometyl	H	H	H	Br	n-Pr	heptafloisopropyl	Et	CF3
35-203	2,2,2-tricloetyl	H	H	H	Br	i-Pr	heptafloisopropyl	Me	CF3
35-204	2,2,2-tribrometyl	H	H	H	Br	i-Pr	heptafloisopropyl	Et	CF3
35-210	1,2-điflo-2-propyl	H	H	H	Br	n-Bu	heptafloisopropyl	Me	CF3
35-211	1,3-điflo-2-propyl	H	H	H	Br	n-Bu	heptafloisopropyl	Et	CF3
35-217	i-butyl	H	H	H	Br	i-Bu	nonaflo-2-butyl	Me	CF3
35-218	s-butyl	H	H	H	Br	i-Bu	nonaflo-2-butyl	Et	CF3
35-224	2-floetyl	H	H	H	Br	s-Bu	nonaflo-2-butyl	Me	CF3
35-225	2-cloetyl	H	H	H	Br	s-Bu	nonaflo-2-butyl	Et	CF3
35-231	2,2,2-trifloetyl	H	H	H	Br	F	nonaflo-2-butyl	Me	CF3
35-232	2,2,2-tricloetyl	H	H	H	Br	F	nonaflo-2-butyl	Et	CF3
35-238	i-propyl	Et	i-Pr	H	Br	Cl	nonaflo-2-butyl	Me	CF3
35-239	1,2-điflo-2-propyl	H	H	H	Br	Cl	nonaflo-2-butyl	Et	CF3

35-245	2-iodoetyl	H	H	H	I	Br	heptafloisopropyl	Me	CF3
35-246	2-xyanoetyl	H	H	H	I	Br	heptafloisopropyl	Et	CF3
35-252	n-propyl	n-Pr	Me	H	I	I	heptafloisopropyl	Me	CF3
35-253	3-flo-n-propyl	H	H	H	I	I	heptafloisopropyl	Et	CF3
35-259	1,3-diclo-2-propyl	H	H	H	I	Me	heptafloisopropyl	F	C2F5
35-260	1-clo-3-flo-2-propyl	H	H	H	I	Me	nonaflo-2-butyl	Cl	CF3
35-261	3,3,3-triflo-n-propyl	H	H	H	I	Me	nonaflo-2-butyl	Br	n-C3F7
35-262	n-butyl	H	H	H	I	Me	nonaflo-2-butyl	I	i-C3F7
35-263	4,4,4-triflo-n-butyl	H	H	H	I	Et	nonaflo-2-butyl	F	CF3
35-264	i-butyl	H	H	H	I	Et	nonaflo-2-butyl	Cl	CF3
35-265	s-butyl	H	H	H	I	Et	nonaflo-2-butyl	Br	CF3
35-266	vinyl	n-Pr	i-Pr	H	I	Et	nonaflo-2-butyl	I	C2F5
35-267	benzyl	H	H	H	I	n-Pr	nonaflo-2-butyl	F	CF3
35-268	phenyl	H	H	H	I	n-Pr	nonaflo-2-butyl	Cl	CF3
35-271	2-floetyl	H	H	H	I	i-Pr	nonaflo-2-butyl	F	i-C3F7
35-272	2-cloetyl	H	H	H	I	i-Pr	nonaflo-2-butyl	Cl	CF3
35-273	2-brometyl	n-Pr	C(O)Me	H	I	i-Pr	nonaflo-2-butyl	Br	CF3
35-274	2-iodoetyl	H	H	H	I	i-Pr	nonaflo-2-butyl	I	CF3
35-275	2-xyanoetyl	H	H	H	I	n-Bu	nonaflo-2-butyl	F	CF3
35-276	2,2-difloetyl	H	H	H	I	n-Bu	nonaflo-2-butyl	Cl	CF3
35-279	2,2,2-tricloetyl	H	H	H	I	i-Bu	nonaflo-2-butyl	F	CF3
35-280	2,2,2-tribrometyl	H	H	H	I	i-Bu	nonaflo-2-butyl	Cl	CF3
35-283	3-clo-n-propyl	i-Pr	n-Pr	H	I	s-Bu	nonaflo-2-butyl	F	CF3
35-284	3-brom-n-propyl	H	H	H	I	s-Bu	nonaflo-2-butyl	Cl	CF3
35-301	3-clo-n-propyl	n-Pr	H	H	OCF3	Cl	heptafloisopropyl	Br	OCF3
35-454	i-butyl	H	H	H	OCF3	Me	nonaflo-2-butyl	H	CF3
35-582	2,2,2-trifloetyl	H	H	H	CF3	F	heptafloisopropyl	Cl	CF3



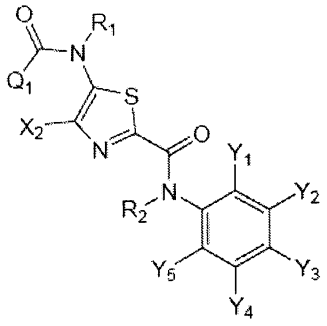
Bảng 36(1)

Số hợp	Q1	R1	R2	X2	Y1	Y2	Y3	Y4	Y5
36-1	phenyl	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
36-2	phenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
36-3	phenyl	H	H	Cl	Br	H	heptafloisopropyl	H	CF3
36-4	phenyl	H	H	H	CF3	H	heptafloisopropyl	H	CF3
36-5	phenyl	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
36-6	phenyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
36-7	phenyl	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
36-8	phenyl	Me	H	H	Cl	H	heptafloisopropyl	H	OCF3
36-9	phenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
36-10	phenyl	Me	H	H	CF3	H	heptafloisopropyl	H	CF3
36-11	phenyl	Me	H	H	I	H	nonaflo-2-butyl	H	OCF3
36-12	phenyl	Me	H	H	Cl	H	nonaflo-2-butyl	H	CF3
36-13	phenyl	Me	H	H	CF3	H	nonaflo-2-butyl	H	CF3
36-14	phenyl	H	Me	H	Cl	H	heptafloisopropyl	H	OCF3
36-15	phenyl	H	Me	H	Br	H	heptafloisopropyl	H	CF3
36-16	phenyl	H	Me	H	CF3	H	heptafloisopropyl	H	CF3
36-17	phenyl	H	Me	H	I	H	nonaflo-2-butyl	H	OCF3
36-18	phenyl	H	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
36-19	phenyl	H	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
36-20	phenyl	Me	Me	H	Cl	H	heptafloisopropyl	H	OCF3
36-21	phenyl	Me	Me	H	Br	H	heptafloisopropyl	H	CF3
36-22	phenyl	Me	Me	H	CF3	H	heptafloisopropyl	H	CF3
36-23	phenyl	Me	Me	H	I	H	nonaflo-2-butyl	H	OCF3
36-24	phenyl	Me	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
36-25	phenyl	Me	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
36-26	phenyl	H	H	H	Cl	F	heptafloisopropyl	H	OCF3
36-27	phenyl	Me	H	H	Br	H	heptafloisopropyl	F	CF3
36-28	phenyl	H	Me	H	CF3	Cl	heptafloisopropyl	H	CF3
36-29	phenyl	H	H	H	I	H	nonaflo-2-butyl	Cl	OCF3
36-30	phenyl	H	H	H	Cl	Br	nonaflo-2-butyl	H	CF3
36-31	phenyl	H	H	H	Br	H	nonaflo-2-butyl	I	CF3
36-32	phenyl	H	H	H	I	Me	nonaflo-2-butyl	H	CF3
36-33	phenyl	H	H	H	CF3	H	nonaflo-2-butyl	Et	CF3



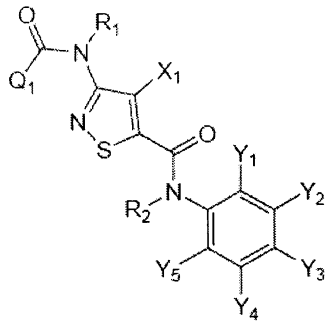
Bảng 37(1)

Số hợp chất	Q1	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
37-1	phenyl	H	H	H	Br	H	heptafloisopropyl	H	OCF3
37-2	phenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
37-3	phenyl	H	H	Cl	I	H	heptafloisopropyl	H	CF3
37-4	phenyl	H	H	H	CF3	H	heptafloisopropyl	H	CF3
37-5	phenyl	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
37-6	phenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
37-7	phenyl	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
37-8	phenyl	Me	H	H	Br	H	heptafloisopropyl	H	OCF3
37-9	phenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
37-10	phenyl	Me	H	H	CF3	H	heptafloisopropyl	H	CF3
37-11	phenyl	Me	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
37-12	phenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
37-13	phenyl	Me	H	H	CF3	H	nonaflo-2-butyl	H	CF3
37-14	phenyl	H	Me	H	Br	H	heptafloisopropyl	H	OCF3
37-15	phenyl	H	Me	H	I	H	heptafloisopropyl	H	CF3
37-16	phenyl	H	Me	H	CF3	H	heptafloisopropyl	H	CF3
37-17	phenyl	H	Me	H	Cl	H	nonaflo-2-butyl	H	OCF3
37-18	phenyl	H	Me	H	Br	H	nonaflo-2-butyl	H	CF3
37-19	phenyl	H	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
37-20	phenyl	Me	Me	H	Br	H	heptafloisopropyl	H	OCF3
37-21	phenyl	Me	Me	H	I	H	heptafloisopropyl	H	CF3
37-22	phenyl	Me	Me	H	CF3	H	heptafloisopropyl	H	CF3
37-23	phenyl	Me	Me	H	Cl	H	nonaflo-2-butyl	H	OCF3
37-24	phenyl	Me	Me	H	Br	H	nonaflo-2-butyl	H	CF3
37-25	phenyl	Me	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
37-26	phenyl	Me	H	H	Br	F	heptafloisopropyl	H	OCF3
37-27	phenyl	H	H	H	I	H	heptafloisopropyl	F	CF3
37-28	phenyl	H	Me	H	CF3	Cl	heptafloisopropyl	H	CF3
37-29	phenyl	H	H	H	Cl	H	nonaflo-2-butyl	Cl	OCF3
37-30	phenyl	H	H	H	Br	Br	nonaflo-2-butyl	H	CF3
37-31	phenyl	H	H	H	I	H	nonaflo-2-butyl	I	CF3
37-32	phenyl	H	H	H	Cl	Me	nonaflo-2-butyl	H	CF3
37-33	phenyl	H	H	H	CF3	H	nonaflo-2-butyl	Et	CF3



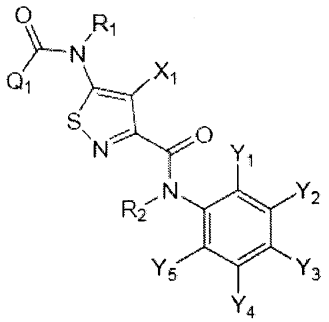
Bảng 38(1)

Số hợp chất	Q1	R1	R2	X2	Y1	Y2	Y3	Y4	Y5
38-1	phenyl	H	H	H	I	H	heptafloisopropyl	H	OCF3
38-2	phenyl	H	H	H	Cl	H	heptafloisopropyl	H	CF3
38-3	phenyl	H	H	Cl	Cl	H	heptafloisopropyl	H	CF3
38-4	phenyl	H	H	H	CF3	H	heptafloisopropyl	H	CF3
38-5	phenyl	H	H	H	Br	H	nonaflo-2-butyl	H	OCF3
38-6	phenyl	H	H	H	I	H	nonaflo-2-butyl	H	CF3
38-7	phenyl	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
38-8	phenyl	Me	H	H	I	H	heptafloisopropyl	H	OCF3
38-9	phenyl	Me	H	H	Cl	H	heptafloisopropyl	H	CF3
38-10	phenyl	Me	H	H	CF3	H	heptafloisopropyl	H	CF3
38-11	phenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	OCF3
38-12	phenyl	Me	H	H	I	H	nonaflo-2-butyl	H	CF3
38-13	phenyl	Me	H	H	CF3	H	nonaflo-2-butyl	H	CF3
38-14	phenyl	H	Me	H	I	H	heptafloisopropyl	H	OCF3
38-15	phenyl	H	Me	H	Cl	H	heptafloisopropyl	H	CF3
38-16	phenyl	H	Me	H	CF3	H	heptafloisopropyl	H	CF3
38-17	phenyl	H	Me	H	Br	H	nonaflo-2-butyl	H	OCF3
38-18	phenyl	H	Me	H	I	H	nonaflo-2-butyl	H	CF3
38-19	phenyl	H	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
38-20	phenyl	Me	Me	H	I	H	heptafloisopropyl	H	OCF3
38-21	phenyl	Me	Me	H	Cl	H	heptafloisopropyl	H	CF3
38-22	phenyl	Me	Me	H	CF3	H	heptafloisopropyl	H	CF3
38-23	phenyl	Me	Me	H	Br	H	nonaflo-2-butyl	H	OCF3
38-24	phenyl	Me	Me	H	I	H	nonaflo-2-butyl	H	CF3
38-25	phenyl	Me	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
38-26	phenyl	H	H	H	I	F	heptafloisopropyl	H	OCF3
38-27	phenyl	H	H	H	Cl	H	heptafloisopropyl	F	CF3
38-28	phenyl	Me	H	H	CF3	Cl	heptafloisopropyl	H	CF3
38-29	phenyl	H	H	H	Br	H	nonaflo-2-butyl	Cl	OCF3
38-30	phenyl	H	Me	H	I	Br	nonaflo-2-butyl	H	CF3
38-31	phenyl	H	H	H	Cl	H	nonaflo-2-butyl	I	CF3
38-32	phenyl	H	H	H	Br	Me	nonaflo-2-butyl	H	CF3
38-33	phenyl	H	H	H	CF3	H	nonaflo-2-butyl	Et	CF3



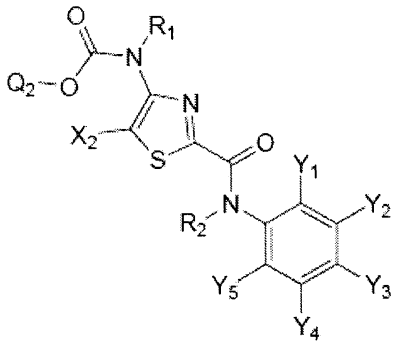
Bảng 39(1)

Số hợp	Q1	R1	R2	X1	Y1	Y2	Y3	Y4	Y5
39-1	phenyl	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
39-2	phenyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
39-3	phenyl	H	H	Cl	Br	H	heptafloisopropyl	H	CF3
39-4	phenyl	H	H	H	CF3	H	heptafloisopropyl	H	CF3
39-5	phenyl	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
39-6	phenyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
39-7	phenyl	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
39-8	phenyl	Me	H	H	Cl	H	heptafloisopropyl	H	OCF3
39-9	phenyl	Me	H	H	Br	H	heptafloisopropyl	H	CF3
39-10	phenyl	Me	H	H	CF3	H	heptafloisopropyl	H	CF3
39-11	phenyl	Me	H	H	I	H	nonaflo-2-butyl	H	OCF3
39-12	phenyl	Me	H	H	Cl	H	nonaflo-2-butyl	H	CF3
39-13	phenyl	Me	H	H	CF3	H	nonaflo-2-butyl	H	CF3
39-14	phenyl	H	Me	H	Cl	H	heptafloisopropyl	H	OCF3
39-15	phenyl	H	Me	H	Br	H	heptafloisopropyl	H	CF3
39-16	phenyl	H	Me	H	CF3	H	heptafloisopropyl	H	CF3
39-17	phenyl	H	Me	H	I	H	nonaflo-2-butyl	H	OCF3
39-18	phenyl	H	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
39-19	phenyl	H	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
39-20	phenyl	Me	Me	H	Cl	H	heptafloisopropyl	H	OCF3
39-21	phenyl	Me	Me	H	Br	H	heptafloisopropyl	H	CF3
39-22	phenyl	Me	Me	H	CF3	H	heptafloisopropyl	H	CF3
39-23	phenyl	Me	Me	H	I	H	nonaflo-2-butyl	H	OCF3
39-24	phenyl	Me	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
39-25	phenyl	Me	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
39-26	phenyl	H	H	H	Cl	F	heptafloisopropyl	H	OCF3
39-27	phenyl	Me	H	H	Br	H	heptafloisopropyl	F	CF3
39-28	phenyl	H	Me	H	CF3	Cl	heptafloisopropyl	H	CF3
39-29	phenyl	H	H	H	I	H	nonaflo-2-butyl	Cl	OCF3
39-30	phenyl	H	H	H	Cl	Br	nonaflo-2-butyl	H	CF3
39-31	phenyl	H	H	H	Br	H	nonaflo-2-butyl	I	CF3
39-32	phenyl	H	H	H	I	Me	nonaflo-2-butyl	H	CF3
39-33	phenyl	H	H	H	CF3	H	nonaflo-2-butyl	Et	CF3



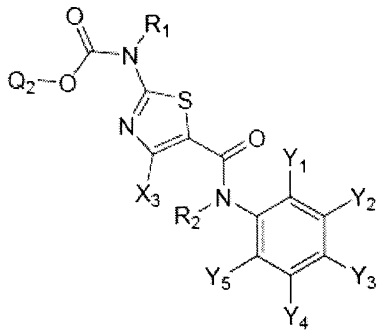
Bảng 40(1)

Số hợp chất	Q1	R1	R2	X1	Y1	Y2	Y3	Y4	Y5
40-1	phenyl	H	H	H	Br	H	heptafloisopropyl	H	OCF3
40-2	phenyl	H	H	H	I	H	heptafloisopropyl	H	CF3
40-3	phenyl	H	H	Cl	I	H	heptafloisopropyl	H	CF3
40-4	phenyl	H	H	H	CF3	H	heptafloisopropyl	H	CF3
40-5	phenyl	H	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
40-6	phenyl	H	H	H	Br	H	nonaflo-2-butyl	H	CF3
40-7	phenyl	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
40-8	phenyl	Me	H	H	Br	H	heptafloisopropyl	H	OCF3
40-9	phenyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
40-10	phenyl	Me	H	H	CF3	H	heptafloisopropyl	H	CF3
40-11	phenyl	Me	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
40-12	phenyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
40-13	phenyl	Me	H	H	CF3	H	nonaflo-2-butyl	H	CF3
40-14	phenyl	H	Me	H	Br	H	heptafloisopropyl	H	OCF3
40-15	phenyl	H	Me	H	I	H	heptafloisopropyl	H	CF3
40-16	phenyl	H	Me	H	CF3	H	heptafloisopropyl	H	CF3
40-17	phenyl	H	Me	H	Cl	H	nonaflo-2-butyl	H	OCF3
40-18	phenyl	H	Me	H	Br	H	nonaflo-2-butyl	H	CF3
40-19	phenyl	H	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
40-20	phenyl	Me	Me	H	Br	H	heptafloisopropyl	H	OCF3
40-21	phenyl	Me	Me	H	I	H	heptafloisopropyl	H	CF3
40-22	phenyl	Me	Me	H	CF3	H	heptafloisopropyl	H	CF3
40-23	phenyl	Me	Me	H	Cl	H	nonaflo-2-butyl	H	OCF3
40-24	phenyl	Me	Me	H	Br	H	nonaflo-2-butyl	H	CF3
40-25	phenyl	Me	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
40-26	phenyl	H	H	H	Br	F	heptafloisopropyl	H	OCF3
40-27	phenyl	H	H	H	I	H	heptafloisopropyl	F	CF3
40-28	phenyl	Me	H	H	CF3	Cl	heptafloisopropyl	H	CF3
40-29	phenyl	H	H	H	Cl	H	nonaflo-2-butyl	Cl	OCF3
40-30	phenyl	H	H	H	Br	Br	nonaflo-2-butyl	H	CF3
40-31	phenyl	H	H	H	I	H	nonaflo-2-butyl	I	CF3
40-32	phenyl	H	H	H	Cl	Me	nonaflo-2-butyl	H	CF3
40-33	phenyl	H	Me	H	CF3	H	nonaflo-2-butyl	Et	CF3



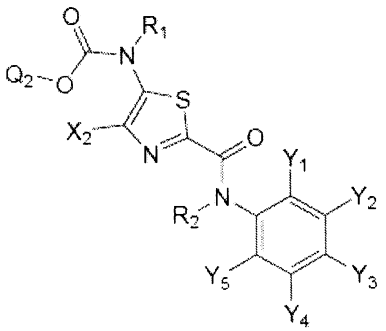
Bảng 41(1)

Số hợp chất	Q2	R1	R2	X2	Y1	Y2	Y3	Y4	Y5
41-1	2,2,2-tricloetyl	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
41-2	2,2,2-tricloetyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
41-3	2,2,2-tricloetyl	H	H	H	CF3	H	heptafloisopropyl	H	CF3
41-4	2,2,2-tricloetyl	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
41-5	2,2,2-tricloetyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
41-6	2,2,2-tricloetyl	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
41-7	2,2,2-tricloetyl	Me	H	H	Br	H	heptafloisopropyl	H	OCF3
41-8	2,2,2-tricloetyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
41-9	2,2,2-tricloetyl	Me	H	H	CF3	H	heptafloisopropyl	H	CF3
41-10	2,2,2-tricloetyl	Me	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
41-11	2,2,2-tricloetyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
41-12	2,2,2-tricloetyl	Me	H	H	CF3	H	nonaflo-2-butyl	H	CF3
41-13	2,2,2-tricloetyl	H	Me	H	I	H	heptafloisopropyl	H	OCF3
41-14	2,2,2-tricloetyl	H	Me	H	Cl	H	heptafloisopropyl	H	CF3
41-15	2,2,2-tricloetyl	H	Me	H	CF3	H	heptafloisopropyl	H	CF3
41-16	2,2,2-tricloetyl	H	Me	H	Br	H	nonaflo-2-butyl	H	OCF3
41-17	2,2,2-tricloetyl	H	Me	H	I	H	nonaflo-2-butyl	H	CF3
41-18	2,2,2-tricloetyl	H	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
41-19	2,2,2-tricloetyl	Me	Me	H	Cl	H	heptafloisopropyl	H	OCF3
41-20	2,2,2-tricloetyl	Me	Me	H	Br	H	heptafloisopropyl	H	CF3
41-21	2,2,2-tricloetyl	Me	Me	H	CF3	H	heptafloisopropyl	H	CF3
41-22	2,2,2-tricloetyl	Me	Me	H	I	H	nonaflo-2-butyl	H	OCF3
41-23	2,2,2-tricloetyl	Me	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
41-24	2,2,2-tricloetyl	Me	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
41-25	2,2,2-tricloetyl	H	H	H	Br	F	heptafloisopropyl	H	OCF3
41-26	2,2,2-tricloetyl	H	H	H	I	H	heptafloisopropyl	Cl	CF3
41-27	2,2,2-tricloetyl	H	H	H	CF3	Br	heptafloisopropyl	H	CF3
41-28	2,2,2-tricloetyl	H	H	H	I	H	nonaflo-2-butyl	I	OCF3
41-29	2,2,2-tricloetyl	H	H	H	Br	Me	nonaflo-2-butyl	H	CF3
41-30	2,2,2-tricloetyl	H	H	H	CF3	H	nonaflo-2-butyl	Et	CF3
41-31	2,2,2-tricloetyl	H	H	Cl	Br	H	heptafloisopropyl	H	CF3



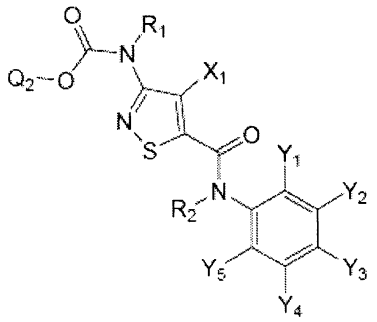
Bảng 42(1)

Số hợp	Q2	R1	R2	X3	Y1	Y2	Y3	Y4	Y5
42-1	2,2,2-tricloetyl	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
42-2	2,2,2-tricloetyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
42-3	2,2,2-tricloetyl	H	H	H	CF3	H	heptafloisopropyl	H	CF3
42-4	2,2,2-tricloetyl	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
42-5	2,2,2-tricloetyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
42-6	2,2,2-tricloetyl	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
42-7	2,2,2-tricloetyl	Me	H	H	Br	H	heptafloisopropyl	H	OCF3
42-8	2,2,2-tricloetyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
42-9	2,2,2-tricloetyl	Me	H	H	CF3	H	heptafloisopropyl	H	CF3
42-10	2,2,2-tricloetyl	Me	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
42-11	2,2,2-tricloetyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
42-12	2,2,2-tricloetyl	Me	H	H	CF3	H	nonaflo-2-butyl	H	CF3
42-13	2,2,2-tricloetyl	H	Me	H	I	H	heptafloisopropyl	H	OCF3
42-14	2,2,2-tricloetyl	H	Me	H	Cl	H	heptafloisopropyl	H	CF3
42-15	2,2,2-tricloetyl	H	Me	H	CF3	H	heptafloisopropyl	H	CF3
42-16	2,2,2-tricloetyl	H	Me	H	Br	H	nonaflo-2-butyl	H	OCF3
42-17	2,2,2-tricloetyl	H	Me	H	I	H	nonaflo-2-butyl	H	CF3
42-18	2,2,2-tricloetyl	H	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
42-19	2,2,2-tricloetyl	Me	Me	H	Cl	H	heptafloisopropyl	H	OCF3
42-20	2,2,2-tricloetyl	Me	Me	H	Br	H	heptafloisopropyl	H	CF3
42-21	2,2,2-tricloetyl	Me	Me	H	CF3	H	heptafloisopropyl	H	CF3
42-22	2,2,2-tricloetyl	Me	Me	H	I	H	nonaflo-2-butyl	H	OCF3
42-23	2,2,2-tricloetyl	Me	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
42-24	2,2,2-tricloetyl	Me	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
42-25	2,2,2-tricloetyl	H	H	H	Br	F	heptafloisopropyl	H	OCF3
42-26	2,2,2-tricloetyl	H	H	H	I	H	heptafloisopropyl	Cl	CF3
42-27	2,2,2-tricloetyl	H	H	H	CF3	Br	heptafloisopropyl	H	CF3
42-28	2,2,2-tricloetyl	H	H	H	I	H	nonaflo-2-butyl	I	OCF3
42-29	2,2,2-tricloetyl	H	H	H	Br	Me	nonaflo-2-butyl	H	CF3
42-30	2,2,2-tricloetyl	H	H	H	CF3	H	nonaflo-2-butyl	Et	CF3
42-31	2,2,2-tricloetyl	H	H	Cl	Br	H	heptafloisopropyl	H	CF3



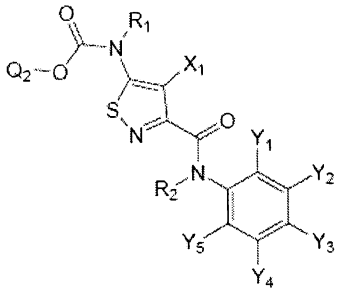
Bảng 43(1)

Số hợp chất	Q2	R1	R2	X2	Y1	Y2	Y3	Y4	Y5
43-2	2,2,2-tricloetyl	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
43-2	2,2,2-tricloetyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
43-3	2,2,2-tricloetyl	H	H	H	CF3	H	heptafloisopropyl	H	CF3
43-4	2,2,2-tricloetyl	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
43-5	2,2,2-tricloetyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
43-6	2,2,2-tricloetyl	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
43-7	2,2,2-tricloetyl	Me	H	H	Br	H	heptafloisopropyl	H	OCF3
43-8	2,2,2-tricloetyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
43-9	2,2,2-tricloetyl	Me	H	H	CF3	H	heptafloisopropyl	H	CF3
43-10	2,2,2-tricloetyl	Me	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
43-11	2,2,2-tricloetyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
43-12	2,2,2-tricloetyl	Me	H	H	CF3	H	nonaflo-2-butyl	H	CF3
43-13	2,2,2-tricloetyl	H	Me	H	I	H	heptafloisopropyl	H	OCF3
43-14	2,2,2-tricloetyl	H	Me	H	Cl	H	heptafloisopropyl	H	CF3
43-15	2,2,2-tricloetyl	H	Me	H	CF3	H	heptafloisopropyl	H	CF3
43-16	2,2,2-tricloetyl	H	Me	H	Br	H	nonaflo-2-butyl	H	OCF3
43-17	2,2,2-tricloetyl	H	Me	H	I	H	nonaflo-2-butyl	H	CF3
43-18	2,2,2-tricloetyl	H	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
43-19	2,2,2-tricloetyl	Me	Me	H	Cl	H	heptafloisopropyl	H	OCF3
43-20	2,2,2-tricloetyl	Me	Me	H	Br	H	heptafloisopropyl	H	CF3
43-21	2,2,2-tricloetyl	Me	Me	H	CF3	H	heptafloisopropyl	H	CF3
43-22	2,2,2-tricloetyl	Me	Me	H	I	H	nonaflo-2-butyl	H	OCF3
43-23	2,2,2-tricloetyl	Me	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
43-24	2,2,2-tricloetyl	Me	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
43-25	2,2,2-tricloetyl	H	H	H	Br	F	heptafloisopropyl	H	OCF3
43-26	2,2,2-tricloetyl	H	H	H	I	H	heptafloisopropyl	Cl	CF3
43-27	2,2,2-tricloetyl	H	H	H	CF3	Br	heptafloisopropyl	H	CF3
43-28	2,2,2-tricloetyl	H	H	H	I	H	nonaflo-2-butyl	I	OCF3
43-29	2,2,2-tricloetyl	H	H	H	Br	Me	nonaflo-2-butyl	H	CF3
43-30	2,2,2-tricloetyl	H	H	H	CF3	H	nonaflo-2-butyl	Et	CF3
43-31	2,2,2-tricloetyl	H	H	Cl	Br	H	heptafloisopropyl	H	CF3



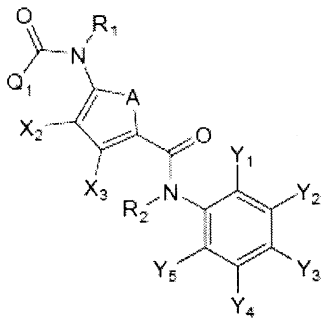
Bảng 44(1)

Số hợp chất	Q2	R1	R2	X1	Y1	Y2	Y3	Y4	Y5
44-1	2,2,2-tricloetyl	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
44-2	2,2,2-tricloetyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
44-3	2,2,2-tricloetyl	H	H	H	CF3	H	heptafloisopropyl	H	CF3
44-4	2,2,2-tricloetyl	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
44-5	2,2,2-tricloetyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
44-6	2,2,2-tricloetyl	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
44-7	2,2,2-tricloetyl	Me	H	H	Br	H	heptafloisopropyl	H	OCF3
44-8	2,2,2-tricloetyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
44-9	2,2,2-tricloetyl	Me	H	H	CF3	H	heptafloisopropyl	H	CF3
44-10	2,2,2-tricloetyl	Me	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
44-11	2,2,2-tricloetyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
44-12	2,2,2-tricloetyl	Me	H	H	CF3	H	nonaflo-2-butyl	H	CF3
44-13	2,2,2-tricloetyl	H	Me	H	I	H	heptafloisopropyl	H	OCF3
44-14	2,2,2-tricloetyl	H	Me	H	Cl	H	heptafloisopropyl	H	CF3
44-15	2,2,2-tricloetyl	H	Me	H	CF3	H	heptafloisopropyl	H	CF3
44-16	2,2,2-tricloetyl	H	Me	H	Br	H	nonaflo-2-butyl	H	OCF3
44-17	2,2,2-tricloetyl	H	Me	H	I	H	nonaflo-2-butyl	H	CF3
44-18	2,2,2-tricloetyl	H	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
44-19	2,2,2-tricloetyl	Me	Me	H	Cl	H	heptafloisopropyl	H	OCF3
44-20	2,2,2-tricloetyl	Me	Me	H	Br	H	heptafloisopropyl	H	CF3
44-21	2,2,2-tricloetyl	Me	Me	H	CF3	H	heptafloisopropyl	H	CF3
44-22	2,2,2-tricloetyl	Me	Me	H	I	H	nonaflo-2-butyl	H	OCF3
44-23	2,2,2-tricloetyl	Me	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
44-24	2,2,2-tricloetyl	Me	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
44-25	2,2,2-tricloetyl	H	H	H	Br	F	heptafloisopropyl	H	OCF3
44-26	2,2,2-tricloetyl	H	H	H	I	H	heptafloisopropyl	Cl	CF3
44-27	2,2,2-tricloetyl	H	H	H	CF3	Br	heptafloisopropyl	H	CF3
44-28	2,2,2-tricloetyl	H	H	H	I	H	nonaflo-2-butyl	I	OCF3
44-29	2,2,2-tricloetyl	H	H	H	Br	Me	nonaflo-2-butyl	H	CF3
44-30	2,2,2-tricloetyl	H	H	H	CF3	H	nonaflo-2-butyl	Et	CF3
44-31	2,2,2-tricloetyl	H	H	Cl	Br	H	heptafloisopropyl	H	CF3



Bảng 45(1)

Số hợp chất	Q2	R1	R2	X1	Y1	Y2	Y3	Y4	Y5
45-1	2,2,2-tricloetyl	H	H	H	Cl	H	heptafloisopropyl	H	OCF3
45-2	2,2,2-tricloetyl	H	H	H	Br	H	heptafloisopropyl	H	CF3
45-3	2,2,2-tricloetyl	H	H	H	CF3	H	heptafloisopropyl	H	CF3
45-4	2,2,2-tricloetyl	H	H	H	I	H	nonaflo-2-butyl	H	OCF3
45-5	2,2,2-tricloetyl	H	H	H	Cl	H	nonaflo-2-butyl	H	CF3
45-6	2,2,2-tricloetyl	H	H	H	CF3	H	nonaflo-2-butyl	H	CF3
45-7	2,2,2-tricloetyl	Me	H	H	Br	H	heptafloisopropyl	H	OCF3
45-8	2,2,2-tricloetyl	Me	H	H	I	H	heptafloisopropyl	H	CF3
45-9	2,2,2-tricloetyl	Me	H	H	CF3	H	heptafloisopropyl	H	CF3
45-10	2,2,2-tricloetyl	Me	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
45-11	2,2,2-tricloetyl	Me	H	H	Br	H	nonaflo-2-butyl	H	CF3
45-12	2,2,2-tricloetyl	Me	H	H	CF3	H	nonaflo-2-butyl	H	CF3
45-13	2,2,2-tricloetyl	H	Me	H	I	H	heptafloisopropyl	H	OCF3
45-14	2,2,2-tricloetyl	H	Me	H	Cl	H	heptafloisopropyl	H	CF3
45-15	2,2,2-tricloetyl	H	Me	H	CF3	H	heptafloisopropyl	H	CF3
45-16	2,2,2-tricloetyl	H	Me	H	Br	H	nonaflo-2-butyl	H	OCF3
45-17	2,2,2-tricloetyl	H	Me	H	I	H	nonaflo-2-butyl	H	CF3
45-18	2,2,2-tricloetyl	H	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
45-19	2,2,2-tricloetyl	Me	Me	H	Cl	H	heptafloisopropyl	H	OCF3
45-20	2,2,2-tricloetyl	Me	Me	H	Br	H	heptafloisopropyl	H	CF3
45-21	2,2,2-tricloetyl	Me	Me	H	CF3	H	heptafloisopropyl	H	CF3
45-22	2,2,2-tricloetyl	Me	Me	H	I	H	nonaflo-2-butyl	H	OCF3
45-23	2,2,2-tricloetyl	Me	Me	H	Cl	H	nonaflo-2-butyl	H	CF3
45-24	2,2,2-tricloetyl	Me	Me	H	CF3	H	nonaflo-2-butyl	H	CF3
45-25	2,2,2-tricloetyl	H	H	H	Br	F	heptafloisopropyl	H	OCF3
45-26	2,2,2-tricloetyl	H	H	H	I	H	heptafloisopropyl	Cl	CF3
45-27	2,2,2-tricloetyl	H	H	H	CF3	Br	heptafloisopropyl	H	CF3
45-28	2,2,2-tricloetyl	H	H	H	I	H	nonaflo-2-butyl	I	OCF3
45-29	2,2,2-tricloetyl	H	H	H	Br	Me	nonaflo-2-butyl	H	CF3
45-30	2,2,2-tricloetyl	H	H	H	CF3	H	nonaflo-2-butyl	Et	CF3
45-31	2,2,2-tricloetyl	H	H	Cl	Br	H	heptafloisopropyl	H	CF3



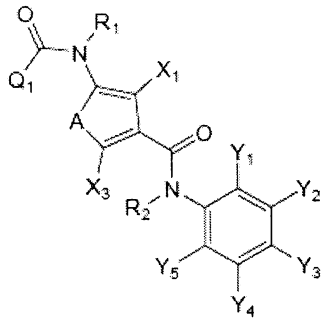
Bảng 46(1)

Số hợp chất	Q1	R1	R2	A	X2	X3	Y1	Y2	Y3	Y4	Y5
46-1	phenyl	H	H	S	H	H	Cl	H	heptafloisopropyl	H	OCF3
46-2	phenyl	H	H	S	H	H	Br	H	heptafloisopropyl	H	CF3
46-3	phenyl	H	H	S	H	H	CF3	H	heptafloisopropyl	H	CF3
46-4	phenyl	H	H	S	H	H	I	H	nonaflo-2-butyl	H	OCF3
46-5	phenyl	H	H	S	H	H	Cl	H	nonaflo-2-butyl	H	CF3
46-6	phenyl	H	H	S	H	H	CF3	H	nonaflo-2-butyl	H	CF3
46-7	phenyl	H	H	O	H	H	Br	H	heptafloisopropyl	H	OCF3
46-8	phenyl	H	H	O	H	H	I	H	heptafloisopropyl	H	CF3
46-9	phenyl	H	H	O	H	H	CF3	H	heptafloisopropyl	H	CF3
46-10	phenyl	H	H	O	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
46-11	phenyl	H	H	O	H	H	Br	H	nonaflo-2-butyl	H	CF3
46-12	phenyl	H	H	O	H	H	CF3	H	nonaflo-2-butyl	H	CF3
46-13	phenyl	H	H	NH	H	H	I	H	heptafloisopropyl	H	OCF3
46-14	phenyl	H	H	NH	H	H	Cl	H	heptafloisopropyl	H	CF3
46-15	phenyl	H	H	NH	H	H	CF3	H	heptafloisopropyl	H	CF3
46-16	phenyl	H	H	NH	H	H	Br	H	nonaflo-2-butyl	H	OCF3
46-17	phenyl	H	H	NH	H	H	I	H	nonaflo-2-butyl	H	CF3
46-18	phenyl	H	H	NH	H	H	CF3	H	nonaflo-2-butyl	H	CF3
46-19	phenyl	Me	H	S	H	H	Cl	H	heptafloisopropyl	H	OCF3
46-20	phenyl	Me	H	S	H	H	Br	H	heptafloisopropyl	H	CF3
46-21	phenyl	Me	H	S	H	H	CF3	H	heptafloisopropyl	H	CF3
46-22	phenyl	Me	H	S	H	H	I	H	nonaflo-2-butyl	H	OCF3
46-23	phenyl	Me	H	S	H	H	Cl	H	nonaflo-2-butyl	H	CF3
46-24	phenyl	Me	H	S	H	H	CF3	H	nonaflo-2-butyl	H	CF3
46-25	phenyl	Me	H	O	H	H	Br	H	heptafloisopropyl	H	OCF3
46-26	phenyl	Me	H	O	H	H	I	H	heptafloisopropyl	H	CF3
46-27	phenyl	Me	H	O	H	H	CF3	H	heptafloisopropyl	H	CF3
46-28	phenyl	Me	H	O	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
46-29	phenyl	Me	H	O	H	H	Br	H	nonaflo-2-butyl	H	CF3
46-30	phenyl	Me	H	O	H	H	CF3	H	nonaflo-2-butyl	H	CF3
46-31	phenyl	Me	H	NH	H	H	I	H	heptafloisopropyl	H	OCF3
46-32	phenyl	Me	H	NH	H	H	Cl	H	heptafloisopropyl	H	CF3
46-33	phenyl	Me	H	NH	H	H	CF3	H	heptafloisopropyl	H	CF3
46-34	phenyl	Me	H	NH	H	H	Br	H	nonaflo-2-butyl	H	OCF3
46-35	phenyl	Me	H	NH	H	H	I	H	nonaflo-2-butyl	H	CF3

46-36	phenyl	Me	H	NH	H	H	CF3	H	nonaflo-2-butyl	H	CF3
46-37	phenyl	H	Me	S	H	H	Cl	H	heptafloisopropyl	H	OCF3
46-38	phenyl	H	Me	S	H	H	Br	H	heptafloisopropyl	H	CF3
46-39	phenyl	H	Me	S	H	H	CF3	H	heptafloisopropyl	H	CF3
46-40	phenyl	H	Me	S	H	H	I	H	nonaflo-2-butyl	H	OCF3
46-41	phenyl	H	Me	S	H	H	Cl	H	nonaflo-2-butyl	H	CF3
46-42	phenyl	H	Me	S	H	H	CF3	H	nonaflo-2-butyl	H	CF3
46-43	phenyl	H	Me	O	H	H	Br	H	heptafloisopropyl	H	OCF3
46-44	phenyl	H	Me	O	H	H	I	H	heptafloisopropyl	H	CF3
46-45	phenyl	H	Me	O	H	H	CF3	H	heptafloisopropyl	H	CF3
46-46	phenyl	H	Me	O	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
46-47	phenyl	H	Me	O	H	H	Br	H	nonaflo-2-butyl	H	CF3
46-48	phenyl	H	Me	O	H	H	CF3	H	nonaflo-2-butyl	H	CF3
46-49	phenyl	H	Me	NH	H	H	I	H	heptafloisopropyl	H	OCF3
46-50	phenyl	H	Me	NH	H	H	Cl	H	heptafloisopropyl	H	CF3
46-51	phenyl	H	Me	NH	H	H	CF3	H	heptafloisopropyl	H	CF3

Bảng 46(2)

Số hợp	Q1	R1	R2	A	X2	X3	Y1	Y2	Y3	Y4	Y5
46-52	phenyl	H	Me	NH	H	H	Br	H	nonaflo-2-butyl	H	OCF3
46-53	phenyl	H	Me	NH	H	H	I	H	nonaflo-2-butyl	H	CF3
46-54	phenyl	H	Me	NH	H	H	CF3	H	nonaflo-2-butyl	H	CF3
46-55	phenyl	Me	Me	S	H	H	Cl	H	heptafloisopropyl	H	OCF3
46-56	phenyl	Me	Me	S	H	H	Br	H	heptafloisopropyl	H	CF3
46-57	phenyl	Me	Me	S	H	H	CF3	H	heptafloisopropyl	H	CF3
46-58	phenyl	Me	Me	S	H	H	I	H	nonaflo-2-butyl	H	OCF3
46-59	phenyl	Me	Me	S	H	H	Cl	H	nonaflo-2-butyl	H	CF3
46-60	phenyl	Me	Me	S	H	H	CF3	H	nonaflo-2-butyl	H	CF3
46-61	phenyl	Me	Me	O	H	H	Br	H	heptafloisopropyl	H	OCF3
46-62	phenyl	Me	Me	O	H	H	I	H	heptafloisopropyl	H	CF3
46-63	phenyl	Me	Me	O	H	H	CF3	H	heptafloisopropyl	H	CF3
46-64	phenyl	Me	Me	O	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
46-65	phenyl	Me	Me	O	H	H	Br	H	nonaflo-2-butyl	H	CF3
46-66	phenyl	Me	Me	O	H	H	CF3	H	nonaflo-2-butyl	H	CF3
46-67	phenyl	Me	Me	NH	H	H	I	H	heptafloisopropyl	H	OCF3
46-68	phenyl	Me	Me	NH	H	H	Cl	H	heptafloisopropyl	H	CF3
46-69	phenyl	Me	Me	NH	H	H	CF3	H	heptafloisopropyl	H	CF3
46-70	phenyl	Me	Me	NH	H	H	Br	H	nonaflo-2-butyl	H	OCF3
46-71	phenyl	Me	Me	NH	H	H	I	H	nonaflo-2-butyl	H	CF3
46-72	phenyl	Me	Me	NH	H	H	CF3	H	nonaflo-2-butyl	H	CF3
46-73	phenyl	Me	H	S	H	H	Cl	F	heptafloisopropyl	H	OCF3
46-74	phenyl	H	H	S	H	H	Br	H	heptafloisopropyl	F	CF3
46-75	phenyl	H	H	S	H	H	CF3	Cl	heptafloisopropyl	H	CF3
46-76	phenyl	H	H	S	H	H	I	H	nonaflo-2-butyl	Cl	OCF3
46-77	phenyl	H	H	S	H	H	Cl	Br	nonaflo-2-butyl	H	CF3
46-78	phenyl	H	H	S	H	H	CF3	H	nonaflo-2-butyl	Br	CF3
46-79	phenyl	H	H	O	H	H	Br	I	heptafloisopropyl	H	OCF3
46-80	phenyl	Me	H	O	H	H	I	H	heptafloisopropyl	I	CF3
46-81	phenyl	H	H	O	H	H	CF3	Me	heptafloisopropyl	H	CF3
46-82	phenyl	H	H	O	H	H	Cl	H	nonaflo-2-butyl	Me	OCF3
46-83	phenyl	H	H	O	H	H	Br	F	nonaflo-2-butyl	F	CF3
46-84	phenyl	H	H	O	H	H	CF3	Cl	nonaflo-2-butyl	Cl	CF3
46-85	phenyl	H	H	NH	H	H	I	Br	heptafloisopropyl	Br	OCF3
46-86	phenyl	H	H	NH	H	H	Cl	I	heptafloisopropyl	I	CF3
46-87	phenyl	Me	H	NH	H	H	CF3	F	heptafloisopropyl	Me	CF3
46-88	phenyl	H	H	NH	H	H	Br	Cl	nonaflo-2-butyl	Me	OCF3
46-89	phenyl	H	H	NH	H	H	I	Br	nonaflo-2-butyl	Me	CF3
46-90	phenyl	H	H	NH	H	H	CF3	I	nonaflo-2-butyl	Me	CF3



Bảng 47(1)

Số hợp chất	Q1	R1	R2	A	X1	X3	Y1	Y2	Y3	Y4	Y5
47-1	phenyl	H	H	S	H	H	Cl	H	heptafloisopropyl	H	OCF3
47-2	phenyl	H	H	S	H	H	Br	H	heptafloisopropyl	H	CF3
47-3	phenyl	H	H	S	H	H	CF3	H	heptafloisopropyl	H	CF3
47-4	phenyl	H	H	S	H	H	I	H	nonaflo-2-butyl	H	OCF3
47-5	phenyl	H	H	S	H	H	Cl	H	nonaflo-2-butyl	H	CF3
47-6	phenyl	H	H	S	H	H	CF3	H	nonaflo-2-butyl	H	CF3
47-7	phenyl	H	H	O	H	H	Br	H	heptafloisopropyl	H	OCF3
47-8	phenyl	H	H	O	H	H	I	H	heptafloisopropyl	H	CF3
47-9	phenyl	H	H	O	H	H	CF3	H	heptafloisopropyl	H	CF3
47-10	phenyl	H	H	O	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
47-11	phenyl	H	H	O	H	H	Br	H	nonaflo-2-butyl	H	CF3
47-12	phenyl	H	H	O	H	H	CF3	H	nonaflo-2-butyl	H	CF3
47-13	phenyl	H	H	NH	H	H	I	H	heptafloisopropyl	H	OCF3
47-14	phenyl	H	H	NH	H	H	Cl	H	heptafloisopropyl	H	CF3
47-15	phenyl	H	H	NH	H	H	CF3	H	heptafloisopropyl	H	CF3
47-16	phenyl	H	H	NH	H	H	Br	H	nonaflo-2-butyl	H	OCF3
47-17	phenyl	H	H	NH	H	H	I	H	nonaflo-2-butyl	H	CF3
47-18	phenyl	H	H	NH	H	H	CF3	H	nonaflo-2-butyl	H	CF3
47-19	phenyl	Me	H	S	H	H	Cl	H	heptafloisopropyl	H	OCF3
47-20	phenyl	Me	H	S	H	H	Br	H	heptafloisopropyl	H	CF3
47-21	phenyl	Me	H	S	H	H	CF3	H	heptafloisopropyl	H	CF3
47-22	phenyl	Me	H	S	H	H	I	H	nonaflo-2-butyl	H	OCF3
47-23	phenyl	Me	H	S	H	H	Cl	H	nonaflo-2-butyl	H	CF3
47-24	phenyl	Me	H	S	H	H	CF3	H	nonaflo-2-butyl	H	CF3
47-25	phenyl	Me	H	O	H	H	Br	H	heptafloisopropyl	H	OCF3
47-26	phenyl	Me	H	O	H	H	I	H	heptafloisopropyl	H	CF3
47-27	phenyl	Me	H	O	H	H	CF3	H	heptafloisopropyl	H	CF3
47-28	phenyl	Me	H	O	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
47-29	phenyl	Me	H	O	H	H	Br	H	nonaflo-2-butyl	H	CF3
47-30	phenyl	Me	H	O	H	H	CF3	H	nonaflo-2-butyl	H	CF3

47-31	phenyl	Me	H	NH	H	H	I	H	heptafloisopropyl	H	OCF3
47-32	phenyl	Me	H	NH	H	H	Cl	H	heptafloisopropyl	H	CF3
47-33	phenyl	Me	H	NH	H	H	CF3	H	heptafloisopropyl	H	CF3
47-34	phenyl	Me	H	NH	H	H	Br	H	nonaflo-2-butyl	H	OCF3
47-35	phenyl	Me	H	NH	H	H	I	H	nonaflo-2-butyl	H	CF3
47-36	phenyl	Me	H	NH	H	H	CF3	H	nonaflo-2-butyl	H	CF3
47-37	phenyl	H	Me	S	H	H	Cl	H	heptafloisopropyl	H	OCF3
47-38	phenyl	H	Me	S	H	H	Br	H	heptafloisopropyl	H	CF3
47-39	phenyl	H	Me	S	H	H	CF3	H	heptafloisopropyl	H	CF3
47-40	phenyl	H	Me	S	H	H	I	H	nonaflo-2-butyl	H	OCF3
47-41	phenyl	H	Me	S	H	H	Cl	H	nonaflo-2-butyl	H	CF3
47-42	phenyl	H	Me	S	H	H	CF3	H	nonaflo-2-butyl	H	CF3
47-43	phenyl	H	Me	O	H	H	Br	H	heptafloisopropyl	H	OCF3
47-44	phenyl	H	Me	O	H	H	I	H	heptafloisopropyl	H	CF3
47-45	phenyl	H	Me	O	H	H	CF3	H	heptafloisopropyl	H	CF3
47-46	phenyl	H	Me	O	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
47-47	phenyl	H	Me	O	H	H	Br	H	nonaflo-2-butyl	H	CF3
47-48	phenyl	H	Me	O	H	H	CF3	H	nonaflo-2-butyl	H	CF3
47-49	phenyl	H	Me	NH	H	H	I	H	heptafloisopropyl	H	OCF3
47-50	phenyl	H	Me	NH	H	H	Cl	H	heptafloisopropyl	H	CF3
47-51	phenyl	H	Me	NH	H	H	CF3	H	heptafloisopropyl	H	CF3

Bảng 47(2)

Số hợp chất	Q1	R1	R2	A	X1	X3	Y1	Y2	Y3	Y4	Y5
47-52	phenyl	H	Me	NH	H	H	Br	H	nonaflo-2-butyl	H	OCF3
47-53	phenyl	H	Me	NH	H	H	I	H	nonaflo-2-butyl	H	CF3
47-54	phenyl	H	Me	NH	H	H	CF3	H	nonaflo-2-butyl	H	CF3
47-55	phenyl	Me	Me	S	H	H	Cl	H	heptafloisopropyl	H	OCF3
47-56	phenyl	Me	Me	S	H	H	Br	H	heptafloisopropyl	H	CF3
47-57	phenyl	Me	Me	S	H	H	CF3	H	heptafloisopropyl	H	CF3
47-58	phenyl	Me	Me	S	H	H	I	H	nonaflo-2-butyl	H	OCF3
47-59	phenyl	Me	Me	S	H	H	Cl	H	nonaflo-2-butyl	H	CF3
47-60	phenyl	Me	Me	S	H	H	CF3	H	nonaflo-2-butyl	H	CF3
47-61	phenyl	Me	Me	O	H	H	Br	H	heptafloisopropyl	H	OCF3
47-62	phenyl	Me	Me	O	H	H	I	H	heptafloisopropyl	H	CF3
47-63	phenyl	Me	Me	O	H	H	CF3	H	heptafloisopropyl	H	CF3
47-64	phenyl	Me	Me	O	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
47-65	phenyl	Me	Me	O	H	H	Br	H	nonaflo-2-butyl	H	CF3
47-66	phenyl	Me	Me	O	H	H	CF3	H	nonaflo-2-butyl	H	CF3
47-67	phenyl	Me	Me	NH	H	H	I	H	heptafloisopropyl	H	OCF3
47-68	phenyl	Me	Me	NH	H	H	Cl	H	heptafloisopropyl	H	CF3
47-69	phenyl	Me	Me	NH	H	H	CF3	H	heptafloisopropyl	H	CF3
47-70	phenyl	Me	Me	NH	H	H	Br	H	nonaflo-2-butyl	H	OCF3
47-71	phenyl	Me	Me	NH	H	H	I	H	nonaflo-2-butyl	H	CF3
47-72	phenyl	Me	Me	NH	H	H	CF3	H	nonaflo-2-butyl	H	CF3
47-73	phenyl	Me	H	S	H	H	Cl	F	heptafloisopropyl	H	OCF3
47-74	phenyl	H	H	S	H	H	Br	H	heptafloisopropyl	F	CF3
47-75	phenyl	H	H	S	H	H	CF3	Cl	heptafloisopropyl	H	CF3
47-76	phenyl	H	H	S	H	H	I	H	nonaflo-2-butyl	Cl	OCF3
47-77	phenyl	H	H	S	H	H	Cl	Br	nonaflo-2-butyl	H	CF3
47-78	phenyl	H	H	S	H	H	CF3	H	nonaflo-2-butyl	Br	CF3
47-79	phenyl	H	H	O	H	H	Br	I	heptafloisopropyl	H	OCF3
47-80	phenyl	Me	H	O	H	H	I	H	heptafloisopropyl	I	CF3
47-81	phenyl	H	H	O	H	H	CF3	Me	heptafloisopropyl	H	CF3
47-82	phenyl	H	H	O	H	H	Cl	H	nonaflo-2-butyl	Me	OCF3
47-83	phenyl	H	H	O	H	H	Br	F	nonaflo-2-butyl	F	CF3
47-84	phenyl	H	H	O	H	H	CF3	Cl	nonaflo-2-butyl	Cl	CF3
47-85	phenyl	H	H	NH	H	H	I	Br	heptafloisopropyl	Br	OCF3
47-86	phenyl	H	H	NH	H	H	Cl	I	heptafloisopropyl	I	CF3
47-87	phenyl	Me	H	NH	H	H	CF3	F	heptafloisopropyl	Me	CF3
47-88	phenyl	H	H	NH	H	H	Br	Cl	nonaflo-2-butyl	Me	OCF3
47-89	phenyl	H	H	NH	H	H	I	Br	nonaflo-2-butyl	Me	CF3
47-90	phenyl	H	H	NH	H	H	CF3	I	nonaflo-2-butyl	Me	CF3

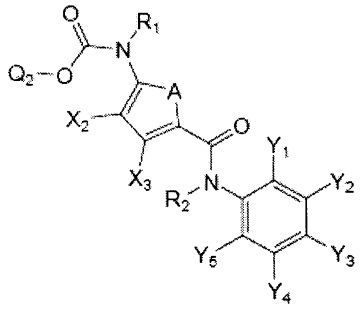
Bảng 48(1)

Số hợp chất	Q1	R1	R2	A	X1	X2	Y1	Y2	Y3	Y4	Y5
48-1	phenyl	H	H	S	H	H	Cl	H	heptafloisopropyl	H	OCF3
48-2	phenyl	H	H	S	H	H	Br	H	heptafloisopropyl	H	CF3
48-3	phenyl	H	H	S	H	H	CF3	H	heptafloisopropyl	H	CF3
48-4	phenyl	H	H	S	H	H	I	H	nonaflo-2-butyl	H	OCF3
48-5	phenyl	H	H	S	H	H	Cl	H	nonaflo-2-butyl	H	CF3
48-6	phenyl	H	H	S	H	H	CF3	H	nonaflo-2-butyl	H	CF3
48-7	phenyl	H	H	O	H	H	Br	H	heptafloisopropyl	H	OCF3
48-8	phenyl	H	H	O	H	H	I	H	heptafloisopropyl	H	CF3
48-9	phenyl	H	H	O	H	H	CF3	H	heptafloisopropyl	H	CF3
48-10	phenyl	H	H	O	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
48-11	phenyl	H	H	O	H	H	Br	H	nonaflo-2-butyl	H	CF3
48-12	phenyl	H	H	O	H	H	CF3	H	nonaflo-2-butyl	H	CF3
48-13	phenyl	H	H	NH	H	H	I	H	heptafloisopropyl	H	OCF3
48-14	phenyl	H	H	NH	H	H	Cl	H	heptafloisopropyl	H	CF3
48-15	phenyl	H	H	NH	H	H	CF3	H	heptafloisopropyl	H	CF3
48-16	phenyl	H	H	NH	H	H	Br	H	nonaflo-2-butyl	H	OCF3
48-17	phenyl	H	H	NH	H	H	I	H	nonaflo-2-butyl	H	CF3
48-18	phenyl	H	H	NH	H	H	CF3	H	nonaflo-2-butyl	H	CF3
48-19	phenyl	Me	H	S	H	H	Cl	H	heptafloisopropyl	H	OCF3
48-20	phenyl	Me	H	S	H	H	Br	H	heptafloisopropyl	H	CF3
48-21	phenyl	Me	H	S	H	H	CF3	H	heptafloisopropyl	H	CF3
48-22	phenyl	Me	H	S	H	H	I	H	nonaflo-2-butyl	H	OCF3
48-23	phenyl	Me	H	S	H	H	Cl	H	nonaflo-2-butyl	H	CF3
48-24	phenyl	Me	H	S	H	H	CF3	H	nonaflo-2-butyl	H	CF3
48-25	phenyl	Me	H	O	H	H	Br	H	heptafloisopropyl	H	OCF3
48-26	phenyl	Me	H	O	H	H	I	H	heptafloisopropyl	H	CF3
48-27	phenyl	Me	H	O	H	H	CF3	H	heptafloisopropyl	H	CF3
48-28	phenyl	Me	H	O	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
48-29	phenyl	Me	H	O	H	H	Br	H	nonaflo-2-butyl	H	CF3
48-30	phenyl	Me	H	O	H	H	CF3	H	nonaflo-2-butyl	H	CF3
48-31	phenyl	Me	H	NH	H	H	I	H	heptafloisopropyl	H	OCF3

48-32	phenyl	Me	H	NH	H	H	Cl	H	heptafloisopropyl	H	CF3
48-33	phenyl	Me	H	NH	H	H	CF3	H	heptafloisopropyl	H	CF3
48-34	phenyl	Me	H	NH	H	H	Br	H	nonaflo-2-butyl	H	OCF3
48-35	phenyl	Me	H	NH	H	H	I	H	nonaflo-2-butyl	H	CF3
48-36	phenyl	Me	H	NH	H	H	CF3	H	nonaflo-2-butyl	H	CF3
48-37	phenyl	H	Me	S	H	H	Cl	H	heptafloisopropyl	H	OCF3
48-38	phenyl	H	Me	S	H	H	Br	H	heptafloisopropyl	H	CF3
48-39	phenyl	H	Me	S	H	H	CF3	H	heptafloisopropyl	H	CF3
48-40	phenyl	H	Me	S	H	H	I	H	nonaflo-2-butyl	H	OCF3
48-41	phenyl	H	Me	S	H	H	Cl	H	nonaflo-2-butyl	H	CF3
48-42	phenyl	H	Me	S	H	H	CF3	H	nonaflo-2-butyl	H	CF3
48-43	phenyl	H	Me	O	H	H	Br	H	heptafloisopropyl	H	OCF3
48-44	phenyl	H	Me	O	H	H	I	H	heptafloisopropyl	H	CF3
48-45	phenyl	H	Me	O	H	H	CF3	H	heptafloisopropyl	H	CF3
48-46	phenyl	H	Me	O	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
48-47	phenyl	H	Me	O	H	H	Br	H	nonaflo-2-butyl	H	CF3
48-48	phenyl	H	Me	O	H	H	CF3	H	nonaflo-2-butyl	H	CF3
48-49	phenyl	H	Me	NH	H	H	I	H	heptafloisopropyl	H	OCF3
48-50	phenyl	H	Me	NH	H	H	Cl	H	heptafloisopropyl	H	CF3
48-51	phenyl	H	Me	NH	H	H	CF3	H	heptafloisopropyl	H	CF3

Bảng 48(2)

Số hợp chất	Q1	R1	R2	A	X1	X2	Y1	Y2	Y3	Y4	Y5
48-52	phenyl	H	Me	NH	H	H	Br	H	nonaflo-2-butyl	H	OCF3
48-53	phenyl	H	Me	NH	H	H	I	H	nonaflo-2-butyl	H	CF3
48-54	phenyl	H	Me	NH	H	H	CF3	H	nonaflo-2-butyl	H	CF3
48-55	phenyl	Me	Me	S	H	H	Cl	H	heptafloisopropyl	H	OCF3
48-56	phenyl	Me	Me	S	H	H	Br	H	heptafloisopropyl	H	CF3
48-57	phenyl	Me	Me	S	H	H	CF3	H	heptafloisopropyl	H	CF3
48-58	phenyl	Me	Me	S	H	H	I	H	nonaflo-2-butyl	H	OCF3
48-59	phenyl	Me	Me	S	H	H	Cl	H	nonaflo-2-butyl	H	CF3
48-60	phenyl	Me	Me	S	H	H	CF3	H	nonaflo-2-butyl	H	CF3
48-61	phenyl	Me	Me	O	H	H	Br	H	heptafloisopropyl	H	OCF3
48-62	phenyl	Me	Me	O	H	H	I	H	heptafloisopropyl	H	CF3
48-63	phenyl	Me	Me	O	H	H	CF3	H	heptafloisopropyl	H	CF3
48-64	phenyl	Me	Me	O	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
48-65	phenyl	Me	Me	O	H	H	Br	H	nonaflo-2-butyl	H	CF3
48-66	phenyl	Me	Me	O	H	H	CF3	H	nonaflo-2-butyl	H	CF3
48-67	phenyl	Me	Me	NH	H	H	I	H	heptafloisopropyl	H	OCF3
48-68	phenyl	Me	Me	NH	H	H	Cl	H	heptafloisopropyl	H	CF3
48-69	phenyl	Me	Me	NH	H	H	CF3	H	heptafloisopropyl	H	CF3
48-70	phenyl	Me	Me	NH	H	H	Br	H	nonaflo-2-butyl	H	OCF3
48-71	phenyl	Me	Me	NH	H	H	I	H	nonaflo-2-butyl	H	CF3
48-72	phenyl	Me	Me	NH	H	H	CF3	H	nonaflo-2-butyl	H	CF3
48-73	phenyl	Me	H	S	H	H	Cl	F	heptafloisopropyl	H	OCF3
48-74	phenyl	H	H	S	H	H	Br	H	heptafloisopropyl	F	CF3
48-75	phenyl	H	H	S	H	H	CF3	Cl	heptafloisopropyl	H	CF3
48-76	phenyl	H	H	S	H	H	I	H	nonaflo-2-butyl	Cl	OCF3
48-77	phenyl	H	H	S	H	H	Cl	Br	nonaflo-2-butyl	H	CF3
48-78	phenyl	H	H	S	H	H	CF3	H	nonaflo-2-butyl	Br	CF3
48-79	phenyl	H	H	O	H	H	Br	I	heptafloisopropyl	H	OCF3
48-80	phenyl	Me	H	O	H	H	I	H	heptafloisopropyl	I	CF3
48-81	phenyl	H	H	O	H	H	CF3	Me	heptafloisopropyl	H	CF3
48-82	phenyl	H	H	O	H	H	Cl	H	nonaflo-2-butyl	Me	OCF3
48-83	phenyl	H	H	O	H	H	Br	F	nonaflo-2-butyl	F	CF3
48-84	phenyl	H	H	O	H	H	CF3	Cl	nonaflo-2-butyl	Cl	CF3
48-85	phenyl	H	H	NH	H	H	I	Br	heptafloisopropyl	Br	OCF3
48-86	phenyl	H	H	NH	H	H	Cl	I	heptafloisopropyl	I	CF3
48-87	phenyl	Me	H	NH	H	H	CF3	F	heptafloisopropyl	Me	CF3
48-88	phenyl	H	H	NH	H	H	Br	Cl	nonaflo-2-butyl	Me	OCF3
48-89	phenyl	H	H	NH	H	H	I	Br	nonaflo-2-butyl	Me	CF3
48-90	phenyl	H	H	NH	H	H	CF3	I	nonaflo-2-butyl	Me	CF3



Bảng 49(1)

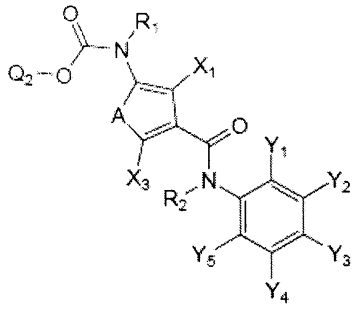
Số hợp chất	Q2	R1	R2	A	X2	X3	Y1	Y2	Y3	Y4	Y5
49-1	2,2,2-tricloetyl	H	H	S	H	H	Cl	H	heptafloisopropyl	H	OCF3
49-2	2,2,2-tricloetyl	H	H	S	H	H	Br	H	heptafloisopropyl	H	CF3
49-3	2,2,2-tricloetyl	H	H	S	H	H	CF3	H	heptafloisopropyl	H	CF3
49-4	2,2,2-tricloetyl	H	H	S	H	H	I	H	nonaflo-2-butyl	H	OCF3
49-5	2,2,2-tricloetyl	H	H	S	H	H	Cl	H	nonaflo-2-butyl	H	CF3
49-6	2,2,2-tricloetyl	H	H	S	H	H	CF3	H	nonaflo-2-butyl	H	CF3
49-7	2,2,2-tricloetyl	H	H	O	H	H	Br	H	heptafloisopropyl	H	OCF3
49-8	2,2,2-tricloetyl	H	H	O	H	H	I	H	heptafloisopropyl	H	CF3
49-9	2,2,2-tricloetyl	H	H	O	H	H	CF3	H	heptafloisopropyl	H	CF3
49-10	2,2,2-tricloetyl	H	H	O	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
49-11	2,2,2-tricloetyl	H	H	O	H	H	Br	H	nonaflo-2-butyl	H	CF3
49-12	2,2,2-tricloetyl	H	H	O	H	H	CF3	H	nonaflo-2-butyl	H	CF3
49-13	2,2,2-tricloetyl	H	H	NH	H	H	I	H	heptafloisopropyl	H	OCF3
49-14	2,2,2-tricloetyl	H	H	NH	H	H	Cl	H	heptafloisopropyl	H	CF3
49-15	2,2,2-tricloetyl	H	H	NH	H	H	CF3	H	heptafloisopropyl	H	CF3
49-16	2,2,2-tricloetyl	H	H	NH	H	H	Br	H	nonaflo-2-butyl	H	OCF3
49-17	2,2,2-tricloetyl	H	H	NH	H	H	I	H	nonaflo-2-butyl	H	CF3
49-18	2,2,2-tricloetyl	H	H	NH	H	H	CF3	H	nonaflo-2-butyl	H	CF3
49-19	2,2,2-tricloetyl	Me	H	S	H	H	Cl	H	heptafloisopropyl	H	OCF3
49-20	2,2,2-tricloetyl	Me	H	S	H	H	Br	H	heptafloisopropyl	H	CF3
49-21	2,2,2-tricloetyl	Me	H	S	H	H	CF3	H	heptafloisopropyl	H	CF3
49-22	2,2,2-tricloetyl	Me	H	S	H	H	I	H	nonaflo-2-butyl	H	OCF3
49-23	2,2,2-tricloetyl	Me	H	S	H	H	Cl	H	nonaflo-2-butyl	H	CF3
49-24	2,2,2-tricloetyl	Me	H	S	H	H	CF3	H	nonaflo-2-butyl	H	CF3

49-25	2,2,2-tricloetyl	Me	H	O	H	H	Br	H	heptafloisopropyl	H	OCF3
49-26	2,2,2-tricloetyl	Me	H	O	H	H	I	H	heptafloisopropyl	H	CF3
49-27	2,2,2-tricloetyl	Me	H	O	H	H	CF3	H	heptafloisopropyl	H	CF3
49-28	2,2,2-tricloetyl	Me	H	O	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
49-29	2,2,2-tricloetyl	Me	H	O	H	H	Br	H	nonaflo-2-butyl	H	CF3
49-30	2,2,2-tricloetyl	Me	H	O	H	H	CF3	H	nonaflo-2-butyl	H	CF3
49-31	2,2,2-tricloetyl	Me	H	NH	H	H	I	H	heptafloisopropyl	H	OCF3
49-32	2,2,2-tricloetyl	Me	H	NH	H	H	Cl	H	heptafloisopropyl	H	CF3
49-33	2,2,2-tricloetyl	Me	H	NH	H	H	CF3	H	heptafloisopropyl	H	CF3
49-34	2,2,2-tricloetyl	Me	H	NH	H	H	Br	H	nonaflo-2-butyl	H	OCF3
49-35	2,2,2-tricloetyl	Me	H	NH	H	H	I	H	nonaflo-2-butyl	H	CF3
49-36	2,2,2-tricloetyl	Me	H	NH	H	H	CF3	H	nonaflo-2-butyl	H	CF3
49-37	2,2,2-tricloetyl	H	Me	S	H	H	Cl	H	heptafloisopropyl	H	OCF3
49-38	2,2,2-tricloetyl	H	Me	S	H	H	Br	H	heptafloisopropyl	H	CF3
49-39	2,2,2-tricloetyl	H	Me	S	H	H	CF3	H	heptafloisopropyl	H	CF3
49-40	2,2,2-tricloetyl	H	Me	S	H	H	I	H	nonaflo-2-butyl	H	OCF3
49-41	2,2,2-tricloetyl	H	Me	S	H	H	Cl	H	nonaflo-2-butyl	H	CF3
49-42	2,2,2-tricloetyl	H	Me	S	H	H	CF3	H	nonaflo-2-butyl	H	CF3
49-43	2,2,2-tricloetyl	H	Me	O	H	H	Br	H	heptafloisopropyl	H	OCF3
49-44	2,2,2-tricloetyl	H	Me	O	H	H	I	H	heptafloisopropyl	H	CF3
49-45	2,2,2-tricloetyl	H	Me	O	H	H	CF3	H	heptafloisopropyl	H	CF3
49-46	2,2,2-tricloetyl	H	Me	O	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
49-47	2,2,2-tricloetyl	H	Me	O	H	H	Br	H	nonaflo-2-butyl	H	CF3
49-48	2,2,2-tricloetyl	H	Me	O	H	H	CF3	H	nonaflo-2-butyl	H	CF3
49-49	2,2,2-tricloetyl	H	Me	NH	H	H	I	H	heptafloisopropyl	H	OCF3
49-50	2,2,2-tricloetyl	H	Me	NH	H	H	Cl	H	heptafloisopropyl	H	CF3
49-51	2,2,2-tricloetyl	H	Me	NH	H	H	CF3	H	heptafloisopropyl	H	CF3

Bảng 49(2)

Số hợp chất	Q2	R1	R2	A	X2	X3	Y1	Y2	Y3	Y4	Y5
49-52	2,2,2-tricloetyl	H	Me	NH	H	H	Br	H	nonaflo-2-butyl	H	OCF3
49-53	2,2,2-tricloetyl	H	Me	NH	H	H	I	H	nonaflo-2-butyl	H	CF3
49-54	2,2,2-tricloetyl	H	Me	NH	H	H	CF3	H	nonaflo-2-butyl	H	CF3
49-55	2,2,2-tricloetyl	Me	Me	S	H	H	Cl	H	heptafloisopropyl	H	OCF3
49-56	2,2,2-tricloetyl	Me	Me	S	H	H	Br	H	heptafloisopropyl	H	CF3
49-57	2,2,2-tricloetyl	Me	Me	S	H	H	CF3	H	heptafloisopropyl	H	CF3
49-58	2,2,2-tricloetyl	Me	Me	S	H	H	I	H	nonaflo-2-butyl	H	OCF3
49-59	2,2,2-tricloetyl	Me	Me	S	H	H	Cl	H	nonaflo-2-butyl	H	CF3
49-60	2,2,2-tricloetyl	Me	Me	S	H	H	CF3	H	nonaflo-2-butyl	H	CF3
49-61	2,2,2-tricloetyl	Me	Me	O	H	H	Br	H	heptafloisopropyl	H	OCF3
49-62	2,2,2-tricloetyl	Me	Me	O	H	H	I	H	heptafloisopropyl	H	CF3
49-63	2,2,2-tricloetyl	Me	Me	O	H	H	CF3	H	heptafloisopropyl	H	CF3
49-64	2,2,2-tricloetyl	Me	Me	O	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
49-65	2,2,2-tricloetyl	Me	Me	O	H	H	Br	H	nonaflo-2-butyl	H	CF3
49-66	2,2,2-tricloetyl	Me	Me	O	H	H	CF3	H	nonaflo-2-butyl	H	CF3
49-67	2,2,2-tricloetyl	Me	Me	NH	H	H	I	H	heptafloisopropyl	H	OCF3
49-68	2,2,2-tricloetyl	Me	Me	NH	H	H	Cl	H	heptafloisopropyl	H	CF3
49-69	2,2,2-tricloetyl	Me	Me	NH	H	H	CF3	H	heptafloisopropyl	H	CF3
49-70	2,2,2-tricloetyl	Me	Me	NH	H	H	Br	H	nonaflo-2-butyl	H	OCF3
49-71	2,2,2-tricloetyl	Me	Me	NH	H	H	I	H	nonaflo-2-butyl	H	CF3
49-72	2,2,2-tricloetyl	Me	Me	NH	H	H	CF3	H	nonaflo-2-butyl	H	CF3
49-73	2,2,2-tricloetyl	Me	H	S	H	H	Cl	F	heptafloisopropyl	H	OCF3
49-74	2,2,2-tricloetyl	H	H	S	H	H	Br	H	heptafloisopropyl	F	CF3
49-75	2,2,2-tricloetyl	H	H	S	H	H	CF3	Cl	heptafloisopropyl	H	CF3
49-76	2,2,2-tricloetyl	H	H	S	H	H	I	H	nonaflo-2-butyl	Cl	OCF3
49-77	2,2,2-tricloetyl	H	H	S	H	H	Cl	Br	nonaflo-2-butyl	H	CF3
49-78	2,2,2-tricloetyl	H	H	S	H	H	CF3	H	nonaflo-2-butyl	Br	CF3

49-79	2,2,2-tricloetyl	H	H	O	H	H	Br	I	heptafloisopropyl	H	OCF3
49-80	2,2,2-tricloetyl	Me	H	O	H	H	I	H	heptafloisopropyl	I	CF3
49-81	2,2,2-tricloetyl	H	H	O	H	H	CF3	Me	heptafloisopropyl	H	CF3
49-82	2,2,2-tricloetyl	H	H	O	H	H	Cl	H	nonaflo-2-butyl	Me	OCF3
49-83	2,2,2-tricloetyl	H	H	O	H	H	Br	F	nonaflo-2-butyl	F	CF3
49-84	2,2,2-tricloetyl	H	H	O	H	H	CF3	Cl	nonaflo-2-butyl	Cl	CF3
49-85	2,2,2-tricloetyl	H	H	NH	H	H	I	Br	heptafloisopropyl	Br	OCF3
49-86	2,2,2-tricloetyl	H	H	NH	H	H	Cl	I	heptafloisopropyl	I	CF3
49-87	2,2,2-tricloetyl	Me	H	NH	H	H	CF3	F	heptafloisopropyl	Me	CF3
49-88	2,2,2-tricloetyl	H	H	NH	H	H	Br	Cl	nonaflo-2-butyl	Me	OCF3
49-89	2,2,2-tricloetyl	H	H	NH	H	H	I	Br	nonaflo-2-butyl	Me	CF3
49-90	2,2,2-tricloetyl	H	H	NH	H	H	CF3	I	nonaflo-2-butyl	Me	CF3



Bảng 50(1)

Số hợp chất	Q2	R1	R2	A	X1	X3	Y1	Y2	Y3	Y4	Y5
50-1	2,2,2-tricloetyl	H	H	S	H	H	Cl	H	heptafloisopropyl	H	OCF3
50-2	2,2,2-tricloetyl	H	H	S	H	H	Br	H	heptafloisopropyl	H	CF3
50-3	2,2,2-tricloetyl	H	H	S	H	H	CF3	H	heptafloisopropyl	H	CF3
50-4	2,2,2-tricloetyl	H	H	S	H	H	I	H	nonaflo-2-butyl	H	OCF3
50-5	2,2,2-tricloetyl	H	H	S	H	H	Cl	H	nonaflo-2-butyl	H	CF3
50-6	2,2,2-tricloetyl	H	H	S	H	H	CF3	H	nonaflo-2-butyl	H	CF3
50-7	2,2,2-tricloetyl	H	H	O	H	H	Br	H	heptafloisopropyl	H	OCF3
50-8	2,2,2-tricloetyl	H	H	O	H	H	I	H	heptafloisopropyl	H	CF3
50-9	2,2,2-tricloetyl	H	H	O	H	H	CF3	H	heptafloisopropyl	H	CF3
50-10	2,2,2-tricloetyl	H	H	O	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
50-11	2,2,2-tricloetyl	H	H	O	H	H	Br	H	nonaflo-2-butyl	H	CF3
50-12	2,2,2-tricloetyl	H	H	O	H	H	CF3	H	nonaflo-2-butyl	H	CF3
50-13	2,2,2-tricloetyl	H	H	NH	H	H	I	H	heptafloisopropyl	H	OCF3
50-14	2,2,2-tricloetyl	H	H	NH	H	H	Cl	H	heptafloisopropyl	H	CF3
50-15	2,2,2-tricloetyl	H	H	NH	H	H	CF3	H	heptafloisopropyl	H	CF3
50-16	2,2,2-tricloetyl	H	H	NH	H	H	Br	H	nonaflo-2-butyl	H	OCF3
50-17	2,2,2-tricloetyl	H	H	NH	H	H	I	H	nonaflo-2-butyl	H	CF3
50-18	2,2,2-tricloetyl	H	H	NH	H	H	CF3	H	nonaflo-2-butyl	H	CF3
50-19	2,2,2-tricloetyl	Me	H	S	H	H	Cl	H	heptafloisopropyl	H	OCF3

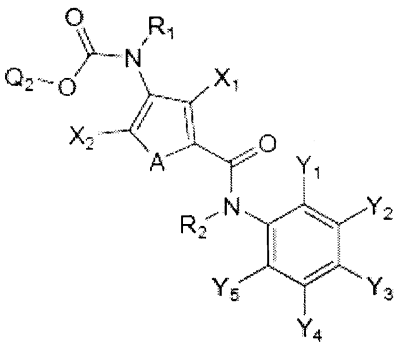
50-20	2,2,2-tricloetyl	Me	H	S	H	H	Br	H	heptafloisopropyl	H	CF3
50-21	2,2,2-tricloetyl	Me	H	S	H	H	CF3	H	heptafloisopropyl	H	CF3
50-22	2,2,2-tricloetyl	Me	H	S	H	H	I	H	nonaflo-2-butyl	H	OCF3
50-23	2,2,2-tricloetyl	Me	H	S	H	H	Cl	H	nonaflo-2-butyl	H	CF3
50-24	2,2,2-tricloetyl	Me	H	S	H	H	CF3	H	nonaflo-2-butyl	H	CF3
50-25	2,2,2-tricloetyl	Me	H	O	H	H	Br	H	heptafloisopropyl	H	OCF3
50-26	2,2,2-tricloetyl	Me	H	O	H	H	I	H	heptafloisopropyl	H	CF3
50-27	2,2,2-tricloetyl	Me	H	O	H	H	CF3	H	heptafloisopropyl	H	CF3
50-28	2,2,2-tricloetyl	Me	H	O	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
50-29	2,2,2-tricloetyl	Me	H	O	H	H	Br	H	nonaflo-2-butyl	H	CF3
50-30	2,2,2-tricloetyl	Me	H	O	H	H	CF3	H	nonaflo-2-butyl	H	CF3
50-31	2,2,2-tricloetyl	Me	H	NH	H	H	I	H	heptafloisopropyl	H	OCF3
50-32	2,2,2-tricloetyl	Me	H	NH	H	H	Cl	H	heptafloisopropyl	H	CF3
50-33	2,2,2-tricloetyl	Me	H	NH	H	H	CF3	H	heptafloisopropyl	H	CF3
50-34	2,2,2-tricloetyl	Me	H	NH	H	H	Br	H	nonaflo-2-butyl	H	OCF3
50-35	2,2,2-tricloetyl	Me	H	NH	H	H	I	H	nonaflo-2-butyl	H	CF3
50-36	2,2,2-tricloetyl	Me	H	NH	H	H	CF3	H	nonaflo-2-butyl	H	CF3
50-37	2,2,2-tricloetyl	H	Me	S	H	H	Cl	H	heptafloisopropyl	H	OCF3
50-38	2,2,2-tricloetyl	H	Me	S	H	H	Br	H	heptafloisopropyl	H	CF3
50-39	2,2,2-tricloetyl	H	Me	S	H	H	CF3	H	heptafloisopropyl	H	CF3
50-40	2,2,2-tricloetyl	H	Me	S	H	H	I	H	nonaflo-2-butyl	H	OCF3
50-41	2,2,2-tricloetyl	H	Me	S	H	H	Cl	H	nonaflo-2-butyl	H	CF3
50-42	2,2,2-tricloetyl	H	Me	S	H	H	CF3	H	nonaflo-2-butyl	H	CF3
50-43	2,2,2-tricloetyl	H	Me	O	H	H	Br	H	heptafloisopropyl	H	OCF3
50-44	2,2,2-tricloetyl	H	Me	O	H	H	I	H	heptafloisopropyl	H	CF3
50-45	2,2,2-tricloetyl	H	Me	O	H	H	CF3	H	heptafloisopropyl	H	CF3

50-46	2,2,2-tricloetyl	H	Me	O	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
50-47	2,2,2-tricloetyl	H	Me	O	H	H	Br	H	nonaflo-2-butyl	H	CF3
50-48	2,2,2-tricloetyl	H	Me	O	H	H	CF3	H	nonaflo-2-butyl	H	CF3
50-49	2,2,2-tricloetyl	H	Me	NH	H	H	I	H	heptafloisopropyl	H	OCF3
50-50	2,2,2-tricloetyl	H	Me	NH	H	H	Cl	H	heptafloisopropyl	H	CF3
50-51	2,2,2-tricloetyl	H	Me	NH	H	H	CF3	H	heptafloisopropyl	H	CF3

Bảng 50(2)

Số hợp chất	Q2	R1	R2	A	X1	X3	Y1	Y2	Y3	Y4	Y5
50-52	2,2,2-tricloetyl	H	Me	NH	H	H	Br	H	nonaflo-2-butyl	H	OCF3
50-53	2,2,2-tricloetyl	H	Me	NH	H	H	I	H	nonaflo-2-butyl	H	CF3
50-54	2,2,2-tricloetyl	H	Me	NH	H	H	CF3	H	nonaflo-2-butyl	H	CF3
50-55	2,2,2-tricloetyl	Me	Me	S	H	H	Cl	H	heptafloisopropyl	H	OCF3
50-56	2,2,2-tricloetyl	Me	Me	S	H	H	Br	H	heptafloisopropyl	H	CF3
50-57	2,2,2-tricloetyl	Me	Me	S	H	H	CF3	H	heptafloisopropyl	H	CF3
50-58	2,2,2-tricloetyl	Me	Me	S	H	H	I	H	nonaflo-2-butyl	H	OCF3
50-59	2,2,2-tricloetyl	Me	Me	S	H	H	Cl	H	nonaflo-2-butyl	H	CF3
50-60	2,2,2-tricloetyl	Me	Me	S	H	H	CF3	H	nonaflo-2-butyl	H	CF3
50-61	2,2,2-tricloetyl	Me	Me	O	H	H	Br	H	heptafloisopropyl	H	OCF3
50-62	2,2,2-tricloetyl	Me	Me	O	H	H	I	H	heptafloisopropyl	H	CF3
50-63	2,2,2-tricloetyl	Me	Me	O	H	H	CF3	H	heptafloisopropyl	H	CF3
50-64	2,2,2-tricloetyl	Me	Me	O	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
50-65	2,2,2-tricloetyl	Me	Me	O	H	H	Br	H	nonaflo-2-butyl	H	CF3
50-66	2,2,2-tricloetyl	Me	Me	O	H	H	CF3	H	nonaflo-2-butyl	H	CF3
50-67	2,2,2-tricloetyl	Me	Me	NH	H	H	I	H	heptafloisopropyl	H	OCF3
50-68	2,2,2-tricloetyl	Me	Me	NH	H	H	Cl	H	heptafloisopropyl	H	CF3
50-69	2,2,2-tricloetyl	Me	Me	NH	H	H	CF3	H	heptafloisopropyl	H	CF3
50-70	2,2,2-tricloetyl	Me	Me	NH	H	H	Br	H	nonaflo-2-butyl	H	OCF3
50-71	2,2,2-tricloetyl	Me	Me	NH	H	H	I	H	nonaflo-2-butyl	H	CF3
50-72	2,2,2-tricloetyl	Me	Me	NH	H	H	CF3	H	nonaflo-2-butyl	H	CF3
50-73	2,2,2-tricloetyl	Me	H	S	H	H	Cl	F	heptafloisopropyl	H	OCF3
50-74	2,2,2-tricloetyl	H	H	S	H	H	Br	H	heptafloisopropyl	F	CF3
50-75	2,2,2-tricloetyl	H	H	S	H	H	CF3	Cl	heptafloisopropyl	H	CF3

50-76	2,2,2-tricloetyl	H	H	S	H	H	I	H	nonaflo-2-butyl	Cl	OCF3
50-77	2,2,2-tricloetyl	H	H	S	H	H	Cl	Br	nonaflo-2-butyl	H	CF3
50-78	2,2,2-tricloetyl	H	H	S	H	H	CF3	H	nonaflo-2-butyl	Br	CF3
50-79	2,2,2-tricloetyl	H	H	O	H	H	Br	I	heptafloisopropyl	H	OCF3
50-80	2,2,2-tricloetyl	Me	H	O	H	H	I	H	heptafloisopropyl	I	CF3
50-81	2,2,2-tricloetyl	H	H	O	H	H	CF3	Me	heptafloisopropyl	H	CF3
50-82	2,2,2-tricloetyl	H	H	O	H	H	Cl	H	nonaflo-2-butyl	Me	OCF3
50-83	2,2,2-tricloetyl	H	H	O	H	H	Br	F	nonaflo-2-butyl	F	CF3
50-84	2,2,2-tricloetyl	H	H	O	H	H	CF3	Cl	nonaflo-2-butyl	Cl	CF3
50-85	2,2,2-tricloetyl	H	H	NH	H	H	I	Br	heptafloisopropyl	Br	OCF3
50-86	2,2,2-tricloetyl	H	H	NH	H	H	Cl	I	heptafloisopropyl	I	CF3
50-87	2,2,2-tricloetyl	Me	H	NH	H	H	CF3	F	heptafloisopropyl	Me	CF3
50-88	2,2,2-tricloetyl	H	H	NH	H	H	Br	Cl	nonaflo-2-butyl	Me	OCF3
50-89	2,2,2-tricloetyl	H	H	NH	H	H	I	Br	nonaflo-2-butyl	Me	CF3
50-90	2,2,2-tricloetyl	H	H	NH	H	H	CF3	I	nonaflo-2-butyl	Me	CF3



Bảng 51(1)

Số hợp chất	Q2	R1	R2	A	X1	X2	Y1	Y2	Y3	Y4	Y5
51-1	2,2,2-tricloetyl	H	H	S	H	H	Cl	H	heptafloisopropyl	H	OCF3
51-2	2,2,2-tricloetyl	H	H	S	H	H	Br	H	heptafloisopropyl	H	CF3
51-3	2,2,2-tricloetyl	H	H	S	H	H	CF3	H	heptafloisopropyl	H	CF3
51-4	2,2,2-tricloetyl	H	H	S	H	H	I	H	nonaflo-2-butyl	H	OCF3
51-5	2,2,2-tricloetyl	H	H	S	H	H	Cl	H	nonaflo-2-butyl	H	CF3
51-6	2,2,2-tricloetyl	H	H	S	H	H	CF3	H	nonaflo-2-butyl	H	CF3
51-7	2,2,2-tricloetyl	H	H	O	H	H	Br	H	heptafloisopropyl	H	OCF3
51-8	2,2,2-tricloetyl	H	H	O	H	H	I	H	heptafloisopropyl	H	CF3
51-9	2,2,2-tricloetyl	H	H	O	H	H	CF3	H	heptafloisopropyl	H	CF3
51-10	2,2,2-tricloetyl	H	H	O	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
51-11	2,2,2-tricloetyl	H	H	O	H	H	Br	H	nonaflo-2-butyl	H	CF3
51-12	2,2,2-tricloetyl	H	H	O	H	H	CF3	H	nonaflo-2-butyl	H	CF3
51-13	2,2,2-tricloetyl	H	H	NH	H	H	I	H	heptafloisopropyl	H	OCF3
51-14	2,2,2-tricloetyl	H	H	NH	H	H	Cl	H	heptafloisopropyl	H	CF3
51-15	2,2,2-tricloetyl	H	H	NH	H	H	CF3	H	heptafloisopropyl	H	CF3
51-16	2,2,2-tricloetyl	H	H	NH	H	H	Br	H	nonaflo-2-butyl	H	OCF3
51-17	2,2,2-tricloetyl	H	H	NH	H	H	I	H	nonaflo-2-butyl	H	CF3
51-18	2,2,2-tricloetyl	H	H	NH	H	H	CF3	H	nonaflo-2-butyl	H	CF3
51-19	2,2,2-tricloetyl	Me	H	S	H	H	Cl	H	heptafloisopropyl	H	OCF3
51-20	2,2,2-tricloetyl	Me	H	S	H	H	Br	H	heptafloisopropyl	H	CF3
51-21	2,2,2-tricloetyl	Me	H	S	H	H	CF3	H	heptafloisopropyl	H	CF3
51-22	2,2,2-tricloetyl	Me	H	S	H	H	I	H	nonaflo-2-butyl	H	OCF3
51-23	2,2,2-tricloetyl	Me	H	S	H	H	Cl	H	nonaflo-2-butyl	H	CF3
51-24	2,2,2-tricloetyl	Me	H	S	H	H	CF3	H	nonaflo-2-butyl	H	CF3

51-25	2,2,2-tricloetyl	Me	H	O	H	H	Br	H	heptafloisopropyl	H	OCF3
51-26	2,2,2-tricloetyl	Me	H	O	H	H	I	H	heptafloisopropyl	H	CF3
51-27	2,2,2-tricloetyl	Me	H	O	H	H	CF3	H	heptafloisopropyl	H	CF3
51-28	2,2,2-tricloetyl	Me	H	O	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
51-29	2,2,2-tricloetyl	Me	H	O	H	H	Br	H	nonaflo-2-butyl	H	CF3
51-30	2,2,2-tricloetyl	Me	H	O	H	H	CF3	H	nonaflo-2-butyl	H	CF3
51-31	2,2,2-tricloetyl	Me	H	NH	H	H	I	H	heptafloisopropyl	H	OCF3
51-32	2,2,2-tricloetyl	Me	H	NH	H	H	Cl	H	heptafloisopropyl	H	CF3
51-33	2,2,2-tricloetyl	Me	H	NH	H	H	CF3	H	heptafloisopropyl	H	CF3
51-34	2,2,2-tricloetyl	Me	H	NH	H	H	Br	H	nonaflo-2-butyl	H	OCF3
51-35	2,2,2-tricloetyl	Me	H	NH	H	H	I	H	nonaflo-2-butyl	H	CF3
51-36	2,2,2-tricloetyl	Me	H	NH	H	H	CF3	H	nonaflo-2-butyl	H	CF3
51-37	2,2,2-tricloetyl	H	Me	S	H	H	Cl	H	heptafloisopropyl	H	OCF3
51-38	2,2,2-tricloetyl	H	Me	S	H	H	Br	H	heptafloisopropyl	H	CF3
51-39	2,2,2-tricloetyl	H	Me	S	H	H	CF3	H	heptafloisopropyl	H	CF3
51-40	2,2,2-tricloetyl	H	Me	S	H	H	I	H	nonaflo-2-butyl	H	OCF3
51-41	2,2,2-tricloetyl	H	Me	S	H	H	Cl	H	nonaflo-2-butyl	H	CF3
51-42	2,2,2-tricloetyl	H	Me	S	H	H	CF3	H	nonaflo-2-butyl	H	CF3
51-43	2,2,2-tricloetyl	H	Me	O	H	H	Br	H	heptafloisopropyl	H	OCF3
51-44	2,2,2-tricloetyl	H	Me	O	H	H	I	H	heptafloisopropyl	H	CF3
51-45	2,2,2-tricloetyl	H	Me	O	H	H	CF3	H	heptafloisopropyl	H	CF3
51-46	2,2,2-tricloetyl	H	Me	O	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
51-47	2,2,2-tricloetyl	H	Me	O	H	H	Br	H	nonaflo-2-butyl	H	CF3
51-48	2,2,2-tricloetyl	H	Me	O	H	H	CF3	H	nonaflo-2-butyl	H	CF3
51-49	2,2,2-tricloetyl	H	Me	NH	H	H	I	H	heptafloisopropyl	H	OCF3
51-50	2,2,2-tricloetyl	H	Me	NH	H	H	Cl	H	heptafloisopropyl	H	CF3
51-51	2,2,2-tricloetyl	H	Me	NH	H	H	CF3	H	heptafloisopropyl	H	CF3

Bảng 51(2)

Số hợp chất	Q2	R1	R2	A	X1	X2	Y1	Y2	Y3	Y4	Y5
51-52	2,2,2-tricloetyl	H	Me	NH	H	H	Br	H	nonaflo-2-butyl	H	OCF3
51-53	2,2,2-tricloetyl	H	Me	NH	H	H	I	H	nonaflo-2-butyl	H	CF3
51-54	2,2,2-tricloetyl	H	Me	NH	H	H	CF3	H	nonaflo-2-butyl	H	CF3
51-55	2,2,2-tricloetyl	Me	Me	S	H	H	Cl	H	heptafloisopropyl	H	OCF3
51-56	2,2,2-tricloetyl	Me	Me	S	H	H	Br	H	heptafloisopropyl	H	CF3
51-57	2,2,2-tricloetyl	Me	Me	S	H	H	CF3	H	heptafloisopropyl	H	CF3
51-58	2,2,2-tricloetyl	Me	Me	S	H	H	I	H	nonaflo-2-butyl	H	OCF3
51-59	2,2,2-tricloetyl	Me	Me	S	H	H	Cl	H	nonaflo-2-butyl	H	CF3
51-60	2,2,2-tricloetyl	Me	Me	S	H	H	CF3	H	nonaflo-2-butyl	H	CF3
51-61	2,2,2-tricloetyl	Me	Me	O	H	H	Br	H	heptafloisopropyl	H	OCF3
51-62	2,2,2-tricloetyl	Me	Me	O	H	H	I	H	heptafloisopropyl	H	CF3
51-63	2,2,2-tricloetyl	Me	Me	O	H	H	CF3	H	heptafloisopropyl	H	CF3
51-64	2,2,2-tricloetyl	Me	Me	O	H	H	Cl	H	nonaflo-2-butyl	H	OCF3
51-65	2,2,2-tricloetyl	Me	Me	O	H	H	Br	H	nonaflo-2-butyl	H	CF3
51-66	2,2,2-tricloetyl	Me	Me	O	H	H	CF3	H	nonaflo-2-butyl	H	CF3
51-67	2,2,2-tricloetyl	Me	Me	NH	H	H	I	H	heptafloisopropyl	H	OCF3
51-68	2,2,2-tricloetyl	Me	Me	NH	H	H	Cl	H	heptafloisopropyl	H	CF3
51-69	2,2,2-tricloetyl	Me	Me	NH	H	H	CF3	H	heptafloisopropyl	H	CF3
51-70	2,2,2-tricloetyl	Me	Me	NH	H	H	Br	H	nonaflo-2-butyl	H	OCF3
51-71	2,2,2-tricloetyl	Me	Me	NH	H	H	I	H	nonaflo-2-butyl	H	CF3
51-72	2,2,2-tricloetyl	Me	Me	NH	H	H	CF3	H	nonaflo-2-butyl	H	CF3

51-73	2,2,2-tricloetyl	Me	H	S	H	H	Cl	F	heptafloisopropyl	H	OCF3
51-74	2,2,2-tricloetyl	H	H	S	H	H	Br	H	heptafloisopropyl	F	CF3
51-75	2,2,2-tricloetyl	H	H	S	H	H	CF3	Cl	heptafloisopropyl	H	CF3
51-76	2,2,2-tricloetyl	H	H	S	H	H	I	H	nonaflo-2-butyl	Cl	OCF3
51-77	2,2,2-tricloetyl	H	H	S	H	H	Cl	Br	nonaflo-2-butyl	H	CF3
51-78	2,2,2-tricloetyl	H	H	S	H	H	CF3	H	nonaflo-2-butyl	Br	CF3
51-79	2,2,2-tricloetyl	H	H	O	H	H	Br	I	heptafloisopropyl	H	OCF3
51-80	2,2,2-tricloetyl	Me	H	O	H	H	I	H	heptafloisopropyl	I	CF3
51-81	2,2,2-tricloetyl	H	H	O	H	H	CF3	Me	heptafloisopropyl	H	CF3
51-82	2,2,2-tricloetyl	H	H	O	H	H	Cl	H	nonaflo-2-butyl	Me	OCF3
51-83	2,2,2-tricloetyl	H	H	O	H	H	Br	F	nonaflo-2-butyl	F	CF3
51-84	2,2,2-tricloetyl	H	H	O	H	H	CF3	Cl	nonaflo-2-butyl	Cl	CF3
51-85	2,2,2-tricloetyl	H	H	NH	H	H	I	Br	heptafloisopropyl	Br	OCF3
51-86	2,2,2-tricloetyl	H	H	NH	H	H	Cl	I	heptafloisopropyl	I	CF3
51-87	2,2,2-tricloetyl	Me	H	NH	H	H	CF3	F	heptafloisopropyl	Me	CF3
51-88	2,2,2-tricloetyl	H	H	NH	H	H	Br	Cl	nonaflo-2-butyl	Me	OCF3
51-89	2,2,2-tricloetyl	H	H	NH	H	H	I	Br	nonaflo-2-butyl	Me	CF3
51-90	2,2,2-tricloetyl	H	H	NH	H	H	CF3	I	nonaflo-2-butyl	Me	CF3

Dưới đây trong bản mô tả này, Bảng 52 thể hiện các tính chất vật lý của các hợp chất minh họa của dẫn xuất amit theo sáng chế. Giá trị chuyển dịch hóa học ^{1}H-NMR được thể hiện trong đó là dựa trên tetrametylsilan làm hợp chất chuẩn bên trong trừ khi có chỉ dẫn khác.

Bảng 52(1)

Số hợp chất	^{1}H- NMR ($CDCl_3$, ppm)
1-470	δ 7,55-7,68 (3H, m), 7,80-7,99 (6H, m), 8,58 (1H, s), 8,61 (1H, s), 9,12 (1H, d, J =1,5Hz).
1-491	δ 7,34-7,91 (4H, m), 8,00 (1H, s), 8,08 (2H, dd, J =1,9,6,8Hz), 8,00(1H, s), 8,49 (1H, s), 8,59 (1H, s), 9,04 (1H, s).
1-506	δ 7,48 (1H, dd, J =4,9,7,81Hz), 7,83-7,90 (3H, m), 8,00 (1H, s), 8,31 (1H, dd, J =1,9,7,8Hz), 8,34 (1H, s), 8,61 (1H, dd, J =1,9,4,9Hz), 9,09 (1H, s), 9,10 (1H, s).
1-513	δ 7,54 (1H, d, J =7,8Hz), 7,83-7,90 (3H, m), 8,00 (1H, s), 8,21 (1H, dd, J =2,4,8,3Hz), 8,31 (1H, s), 8,51 (1H, s), 9,00 (1H, s), 9,01 (1H, d, J =7,8Hz).
1-627	δ 7,56-7,59(3H, m), 7,64-7,66(1H, m), 7,80-7,87(2H, m), 7,94-7,97(2H, m), 8,16(1H, s), 8,46(1H, s), 8,57(1H, s), 9,16(1H, s).
1-1925	δ 7,52-7,59(2H, m), 7,65-7,71(2H, m), 7,93-7,95(2H, m), 8,00-8,02(2H, m), 8,12-8,16(2H, m), 8,52(1H, d, J=11,2Hz).
1-1968	δ 7,54(1H, d J =8,8Hz), 7,72(1H, d J =8,8Hz), 7,93(1H, s), 8,09(1H, s), 8,17-8,18(2H, m), 8,27(1H, dd, J=2,4,8,8Hz), 8,38(1H, d J =10,8Hz), 8,98(1H, d, J =2,4Hz).
2-491	δ 3,81 (3H, rộng-s), 7,52-7,84 (8H, m), 7,89 (1H, s), 8,00 (1H, s).
2-513	δ 3,58 (3H, s), 7,34-7,36 (1H, m), 7,81-8,00 (8H, m).
2-518	δ 3,59 (3H, s), 7,69 (1H, rộng-s), 7,81-8,01 (7H, m), 8,50 (1H, rộng-s).
6-38	δ 7,51-7,62 (4H, m), 7,75-8,00 (8H, m), 8,32(1H, s).
6-39	δ 7,22 (1H, dd, J =8,0, 12,4Hz), 7,32-7,36 (1H, m), 7,51-7,55 (2H, m), 7,78 (1H, d, J =7,6Hz), 7,86-7,90 (3H, m), 8,11(1H, s), 8,17-8,18 (1H, m), 8,35 (1H, s), 8,62-8,67(1H, m).
6-45	δ 7,57-7,59 (1H, m), 7,65-7,69 (1H, m), 7,77-7,79 (1H, m), 7,89-7,9 (5H, m), 8,14-8,29 (4H, m).
6-46	δ 7,55-7,59 (1H, m), 7,77-8,07 (10H, m), 8,27 (1H, s).
6-47	δ 7,01-7,05 (2H, m), 7,44-7,56 (2H, m), 7,78-7,86 (4H, m), 8,03 (1H, s), 8,11 (1H, s), 8,33 (1H, s).
6-57	δ 7,28-7,32 (1H, m), 7,45-7,67 (4H, m), 7,76-8,02 (5H, m), 8,30(1H, s).
6-60	δ 7,50-7,60 (2H, m), 7,78-8,02 (6H, m), 8,19-8,27 (2H, m), 8,91(1H, s).
6-71	δ 7,51-7,62(4H, m), 7,78-7,80(1H, d, J = 8,0Hz), 7,90-7,92(3H, m), 8,06-8,09(4H, m), 8,34(1H, s).
6-72	δ 7,22-7,25(1H, m), 7,35(1H, t, J =8,0Hz), 7,55-7,60(2H, m), 7,80(1H, d, J =8,0Hz), 7,92(1H, d, J =8,0Hz), 8,01(1H, s), 8,10(2H, s), 8,20(1H, t, J =8,0Hz), 8,37(1H, s), 8,65(1H, d, J =16,8Hz).

Bảng 52(2)

Số hợp chất	^{1}H- NMR ($CDCl_3$, ppm)
6-78	δ 7,58(1H, t, J =7,8Hz), 7,68(1H, t, J =7,8), 7,80(1H, d, J= 8,0Hz), 7,87(1H, d, 8,0Hz), 7,95(1H, d, J= 8,0Hz), 8,00(1H, s), 8,09(2H, s), 8,15(1H, d, J= 8,0Hz), 8,23(1H, s), 8,26(1H, s), 8,30(1H, s).
6-79	δ 7,58(1H, t, J =8,2Hz), 7,79-7,83(3H, m), 7,97(2H, s), 8,01(2H, d, J =8,0Hz), 8,09(2H, s), 8,18(1H, s), 8,29(1H, s).
6-80	δ 7,05(2H, t, J =8,2Hz), 7,48(1H, t, J =6,6Hz), 7,56(1H, t, J =7,8Hz), 7,81(1H, d, J =8,0Hz), 7,89-7,91(2H, m), 7,98(1H, s), 8,10(2H, s), 8,33(1H, s).
6-90	δ 7,43-7,46(1H, m), 7,59(1H, t, J = 7,2Hz), 7,82(1H, d, J = 7,2Hz), 7,93(2H, d, J = 9,6Hz), 8,10(2H, s), 8,24(1H, d, J = 6,4Hz), 8,33(1H, s), 8,44(1H, s), 8,56(1H,s).
6-93	δ 7,51(1H, d, J =8,4Hz), 7,59(1H, t, J =7,6Hz), 7,81(1H, d, J =7,6Hz), 7,94(2H, s), 8,10-8,11(3H, m), 8,20(1H, d, J =8,0Hz), 8,28(1H, s), 8,91(1H, s).
6-111	(DMSO-d6) δ 7,50-7,60(4H, m), 7,70-7,73(1H, m), 7,93-8,00(3H, m), 8,04-8,08(1H, m), 8,34-8,36(2H, m), 10,48(1H, s), 10,60(1H, s).
6-147	(DMSO-d6) δ 7,55-7,61(2H, m), 7,74(1H, d, J = 7,9Hz), 7,94-7,97(2H, m), 8,10(1H, dd, J = 2,0,7,6Hz), 8,27(1H, s), 8,34(1H, s), 8,54(1H, dd, J = 2,0,4,9Hz), 10,65(1H, s), 10,89(1H, s).
6-268	δ 7,50-7,61 (4H, m), 7,70 (1H, d, J =7,8Hz), 7,85-7,92 (4H, m), 7,96-8,01 (2H, m), 8,14 (1H, s), 8,24 (1H, t J =2,0Hz).
6-269	δ 7,22-7,25(1H, m), 7,36(1H, t, J =8,0Hz), 7,56-7,57(2H, m), 7,75(1H, d, J =8,0Hz), 7,90-8,00(2H, m), 8,07(1H, s), 8,17-8,20(2H, m), 8,33(1H, s), 8,65(1H, d, J =16,4Hz).
6-270	δ 7,25(1H, t, J =8,0Hz), 7,43-7,53(2H, m), 7,77-7,81(4H, m), 7,85(1H, d, J =8,0Hz), 7,91(1H, s), 8,13(1H, s), 8,19(1H, d, J =8,0Hz), 8,24(1H, s).
6-271	δ 7,09-7,22(2H, m), 7,55(1H, t, J =7,8Hz), 7,71(1H, d, J =8,0Hz), 7,89-7,93(4H, m), 8,03(2H, d, J =8,0Hz), 8,14(1H, s), 8,23(1H, s).
6-272	δ 7,40-7,50(4H, m), 7,56(1H, t, J =8,0Hz), 7,80(2H, t, J =8,4Hz), 7,87(2H, s), 7,91(1H, d, J =7,9Hz), 8,09(1H, s), 8,32(1H, s).
6-288	δ 7,54-7,55 (1H, m), 7,65-7,66 (1H, m), 7,72 (1H, d, J =7,8Hz), 7,85 (1H, d, J =7,8Hz), 7,91 (1H, s), 7,95-7,98 (2H, m), 8,13-8,23 (4H, m), 8,36 (1H, s).

6-289	δ 7,55-7,56 (1H, m), 7,71 (1H, d, J =7,8Hz), 7,80 (2H, d, J =8,3Hz), 7,91-7,96 (3H, m), 7,99 (2H, d, J =8,3Hz), 8,20 (1H, s), 8,21-8,22 (2H, m).
6-290	δ 7,01-7,05(2H, m), 7,42-7,44(1H, m), 7,55(1H, t, J =8,0Hz), 7,75(1H, d, J =8,0Hz), 7,90-7,95(3H, m), 8,01(1H, s), 8,14(1H, s), 8,26(1H, s).
6-293	δ 7,14(1H, t, J =8,0Hz), 7,22-7,29(2H, m), 7,54(1H, t, J =7,8Hz), 7,74(1H, d, J =7,8Hz), 7,84-7,88(3H, m), 8,11(1H, s), 8,15(1H, s), 8,25(1H, s).
6-300	δ 7,06-7,59 (2H, m), 7,62 (1H, dd, J =1,5, 7,8Hz), 7,81 (1H, d, J =7,8Hz), 7,92 (1H, s), 8,08-8,16 (4H, m), 9,35-9,40 (1H, m), 9,51 (1H, rộng-s).
6-304	δ 7,44 (1H, dd, J =4,9,7,8Hz), 7,58 (1H, t, J =7,8Hz), 7,75 (1H, d, J =7,8Hz), 7,81 (1H, s), 7,92-7,96 (2H, m), 8,15 (1H, s), 8,22-8,26 (2H, m), 8,38 (1H, s), 8,55 (1H, dd, J =2,0,4,9Hz).
6-306	δ 7,42-7,45(1H, m), 7,58(1H, t, J = 7,8Hz), 7,75(1H, d, J = 7,8Hz), 7,88(1H, rộng-s), 7,93-7,95(2H, m), 8,15(1H, rộng-s), 8,23(1H, dd, J =2,0, 7,8Hz), 8,24(1H, s), 8,39(1H, rộng-s), 8,55(1H, dd, J =2,0, 4,8Hz).

Bảng 52(3)

Số hợp chất	^{1}H- NMR ($CDCl_3$, ppm)
6-311	δ 7,45-7,52(1H, m), 7,74(1H, d, J =8,0Hz), 7,92-7,96(1H, m), 8,00(1H, s), 8,14(1H, s), 8,22-8,23(3H, m), 8,29(1H, d, J =8,0Hz), 8,91(1H, s), 9,07(1H, s).
6-346	δ 7,50-7,62(4H, m), 7,71-7,73(1H, m), 7,89-7,93(4H, m), 8,02-8,04(2H, m), 8,13(1H, s), 8,27(1H, s).
6-347	δ 7,19-7,25 (1H, m), 7,33-7,37 (1H, m), 7,52-7,59 (2H, m), 7,73-7,75 (1H, m), 7,89-7,91 (2H, m), 8,09-8,21 (3H, m), 8,31 (1H, s), 8,65 (1H, s).
6-348	δ 7,30-7,31 (1H, m), 7,48-7,74 (5H, m), 7,91-7,92 (2H, m), 8,02 (1H, s), 8,07 (1H, s), 8,13 (1H, s), 8,25 (1H, s).
6-349	δ 7,17-7,21 (2H, m), 7,51-7,55 (1H, m), 7,70-7,72 (1H, m), 7,88-7,93 (4H, m), 8,04 (1H, s), 8,11-8,23 (2H, m), 8,23 (1H, s).
6-366	δ 7,53-7,55 (1H, m), 7,62-7,72 (2H, m), 7,84-7,94 (3H, m), 8,09-8,16 (3H, m), 8,22-8,24 (2H, m), 8,40 (1H, s).
6-367	δ 7,54-7,58 (1H, m), 7,72-7,74 (1H, m), 7,80-7,83 (2H, m), 7,91-7,94 (2H, m), 8,00-8,07 (2H, m), 8,13 (1H, s), 8,18 (1H, s), 8,23 (1H, s), 8,24 (1H, s).
6-368	δ 7,01-7,06 (2H, m), 7,44-7,57 (3H, m), 7,74-7,76 (1H, m), 7,86-7,91 (2H, m), 8,07 (1H, s), 8,13-8,14 (1H, m), 8,28 (1H, s).
6-382	δ 7,43-7,46 (1H, m), 7,56-7,60 (1H, m), 7,76-7,78 (1H, m), 7,90-7,91 (2H, m), 8,02 (1H, s), 8,14 (1H, s), 8,25 (2H, s), 8,43 (1H, s), 8,54-8,56 (1H, m).
6-389	δ 7,30-7,60 (2H, m), 7,74-7,76 (1H, m), 7,91-7,98 (3H, m), 8,07 (1H, s), 8,14 (1H, s), 8,19-8,23 (2H, m), 8,90 (1H, s).
6-424	δ 7,51-7,62 (4H, m), 7,73 (1H, d, J =8,3Hz), 7,89-7,94 (4H, m), 8,01 (1H, s), 8,10 (1H, s), 8,27 (1H, t, J =1,5Hz), 8,35 (1H, s).
6-425	δ 7,20-7,25 (1H, m), 7,34-7,37 (1H, m), 7,54-7,58 (2H, m), 7,75 (1H, d, J =7,6Hz), 7,88-7,95 (2H, m), 8,18-8,22 (2H, m), 8,33-8,34 (2H, m), 8,66 (1H, d, J =16,4Hz).
6-426	δ 7,28-7,30 (1H, m), 7,46-7,66 (5H, m), 7,71-7,94 (2H, m), 8,11-8,24 (3H, m), 8,34 (1H, s).
6-427	δ 7,18-7,22 (2H, m), 7,52-7,57 (1H, m), 7,73 (1H, d, J =7,6Hz), 7,89-8,03 (5H, m), 8,22-8,25 (2H, m), 8,35 (1H, s).
6-428	δ 7,42-7,50(4H, m), 7,56(1H, t, J =8,0Hz), 7,75(1H, d, J =8,0Hz), 7,81(1H, d, J =7,8Hz), 7,95-7,96(2H, m), 8,09(1H, s), 8,28(1H, s), 8,36(1H, s).
6-444	δ 7,56 (1H, t, J =7,8Hz), 7,66 (1H, t, J =7,8Hz), 7,73 (1H, t, J =7,8Hz), 7,86 (1H, dd, J =1,5, 7,8Hz), 7,93-7,96 (2H, m), 8,07 (1H, s), 8,14-8,16 (1H, m), 8,22-8,26 (3H, m), 8,34 (1H, s).
6-445	δ 7,57 (1H, t, J =7,8Hz), 7,74 (1H, d, J =7,8Hz), 7,81-7,83 (2H, m), 7,95 (1H, s), 7,97-8,04 (4H, m), 8,12 (1H, rộng-s), 8,23 (1H, t, J =2,0Hz), 8,35 (1H, rộng-s).
6-446	δ 7,01-7,05 (2H, m), 7,43-7,57 (2H, m), 7,75-7,77 (1H, m), 7,88-7,94 (3H, m), 8,13 (1H, s), 8,27 (1H, s), 8,35 (1H, s).
6-448	δ 7,39-7,41 (1H, m), 7,51-7,58 (2H, m), 7,74-7,78 (2H, m), 7,90-7,95 (2H, m), 8,04 (1H, s), 8,15 (1H, s), 8,26 (1H, s), 8,35 (1H, s).

Bảng 52(4)

Số hợp chất	^{1}H- NMR ($CDCl_3$, ppm)
6-449	δ 7,12-7,36 (3H, m), 7,52-7,58 (1H, m), 7,75-7,95 (4H, m), 8,21-8,35 (3H, m).
6-450	6,82-6,86(1H, m), 7,00-7,01(1H, m), 7,15(1H, t, J =7,8Hz), 7,56(1H, t, J =8,2Hz), 7,74(1H, d, J =8,1Hz), 7,84(1H, t, J =8,8Hz), 7,90-7,91(1H, m), 7,95(1H, s), 8,04(1H, s), 8,42(1H, s).
6-451	δ 7,23-7,69 (8H, m), 7,85 (1H, s), 8,04 (1H, s), 8,42 (1H, s).
6-452	δ 7,44 (1H, dd, J =2,0, 8,3 Hz), 7,59 (1H, t, J =8,3 Hz), 7,66 (1H, d, J =8,3 Hz), 7,70 (1H, d, J =2,0 Hz), 7,75 (1H, d, J =8,3 Hz), 7,86 (2H, rộng-s), 7,95 (2H, rộng-s), 8,24 (1H, rộng-s), 8,37 (1H, rộng-s).
6-453	δ 7,15 (1H, dt, J=2,4, 8,3 Hz), 7,40 (1H, dd, J=2,4, 8,3 Hz), 7,60 (1H, t, J =8,3 Hz), 7,68-7,74 (2H, m), 7,95-8,02 (4H, m), 8,24 (1H, s), 8,35 (1H, s).
6-454	δ 7,59 (1H, t, J =7,8 Hz), 7,75 (1H, d, J =7,8 Hz), 7,93 (1H, s), 7,95-7,99 (3H, m), 8,10 (1H, rộng-s), 8,23-8,26 (2H, m), 8,36 (2H, d, J =1,9 Hz).
6-460	δ 7,43-7,46 (1H, m), 7,58 (1H, t, J =7,8Hz), 7,77 (1H, d, J =7,8Hz), 7,91-7,95 (2H, m), 8,01 (1H, s), 8,24 (1H, dd, J=2,0, 7,8Hz), 8,28 (1H, s), 8,36 (1H, s), 8,41 (1H, s), 8,54-8,56 (1H, m).
6-461	δ 7,45 (1H, dd, J =4,9, 7,3Hz), 7,59 (1H, t, J =7,8Hz), 7,77 (1H, d, J =7,8Hz), 7,92-7,99 (3H, m), 8,24-8,29 (2H, m), 8,36-8,39 (2H, m), 8,55 (1H, dd, J =2,0, 4,9Hz).
6-467	δ 7,45-7,60 (2H, m), 7,74 (1H, d, J =8,0Hz), 7,95-7,97 (2H, m), 8,03 (1H, s), 8,12 (1H, s), 8,19-8,35 (2H, m), 8,35 (1H, s), 8,90(1H, s).
6-502	δ 7,51-7,62(4H, m), 7,73(1H, d, J =7,6Hz), 7,89-7,95(4H, m), 8,01(2H, d, J =14,4Hz), 8,27(1H, s), 8,34(1H, s).
6-503	δ 7,20-7,23(1H, m), 7,34(1H, t, J =7,8Hz), 7,54-7,60(2H, m), 7,74(1H, d, J =7,8Hz), 7,94(2H, s), 8,05(1H, s), 8,19(1H, t, J =7,8Hz), 8,33(2H, d, J =12,0Hz), 8,65(1H, d, J =16,0Hz).
6-504	δ 7,47-7,69(5H, m), 7,73(1H, d, J =7,8Hz), 7,93(2H, s), 8,05(2H, d, J =11,0Hz), 8,25(1H, s), 8,34(1H, s).
6-505	δ 7,20(2H, t, J =7,8Hz), 7,56(1H, t, J =8,0Hz), 7,73(1H, d, J =8,2Hz), 7,91-7,94(5H, m), 8,02(1H, s), 8,24(1H, s), 8,35(1H, s).
6-522	δ 7,68-7,75(2H, m), 7,86(1H, d, J =8,2Hz), 7,93-7,96(2H, m), 8,08(1H, s), 8,14(1H, d, J =8,0Hz), 8,24(2H, d, J=8,2Hz), 8,28(1H, s), 8,33(1H, s), 8,62(1H, s).
6-523	δ 7,57(1H, t, J =7,8Hz), 7,82(2H, d, J =8,0Hz), 7,93-8,02(6H, m), 8,14(1H, s), 8,23(1H, s), 8,34(1H, s).
6-524	δ 7,05(2H, t, J =8,0Hz), 7,43-7,50(1H, m), 7,56(1H, t, J =8,0Hz), 7,75(1H, d, J =7,8Hz), 7,86(1H, s), 7,92(2H, d, J =8,2Hz), 8,00(1H, s), 8,27(1H, s), 8,34(1H, s).
6-538	δ 7,45(1H, t, J =7,6Hz), 7,59(2H, s), 7,70(1H, d, J =4,0Hz), 7,93(2H, d, J =7,6Hz), 7,98(1H, s), 8,28(1H, s), 8,34(2H, d, J =7,6Hz), 8,41(1H, s).
6-545	δ 7,56-7,60(1H, m), 7,75(1H, d, J =8,0Hz), 7,92-8,00(4H, m), 8,09(1H, s), 8,19-8,23(2H, m), 8,35(1H, s), 8,90(1H, s).
6-804	δ 7,50-7,62 (4H, m), 7,68-7,70 (1H, m), 7,85-7,91 (3H, m), 8,10 (1H, s), 8,16-8,22 (4H, m).

Bảng 52(5)

Số hợp chất	^{1}H- NMR ($CDCl_3$, ppm)
6-824	δ 7,55-7,59 (2H, m), 7,66-7,76 (2H, m), 7,86-7,92 (2H, m), 7,99-8,08 (2H, m), 8,13-8,22 (2H, m), 8,39-8,43 (2H, m).
6-825	δ 7,55-7,59 (2H, m), 7,66-7,70 (2H, m), 7,72-7,73 (2H, m), 7,86-7,92 (2H, m), 7,99-8,22 (3H, m), 8,40-8,42 (1H, m).
6-840	δ 7,42-7,45 (1H, m), 7,55-7,59 (1H, t, J =7,8Hz), 7,71-7,30 (1H, d, J =7,8Hz), 7,88-7,91 (1H, m), 8,00 (1H, s), 8,20-8,24 (4H, m), 8,41 (1H, s), 8,54-8,55 (1H, m).
6-1104	δ 7,40 (1H, t, J =7,8Hz), 7,53-7,64 (3H, m), 7,89 (2H, s), 7,90-7,95 (3H, m), 8,11-8,14 (2H, m), 8,69-8,70 (1H, m).
6-1105	δ 7,22-7,26 (1H, m), 7,35-7,41 (2H, m), 7,58 (1H, d, J =8,0Hz), 7,88-7,92 (3H, m), 8,15-8,25 (2H, m), 8,74-8,75 (2H, m).
6-1106	δ 7,35-7,34 (1H, m), 7,417,42 (1H, m), 7,53-7,54 (1H, m), 7,67-7,68 (2H, m), 7,89-7,90 (3H, m), 8,09-8,10 (2H, m), 8,66-8,68 (1H, m).
6-1107	δ 7,21-7,26 (2H, m), 7,39-7,41 (1H, m), 7,89-7,96 (4H, m), 8,05-8,13 (3H, m), 8,70-8,72 (1H, m).
6-1124	δ 7,42-7,43 (1H, m), 7,70-7,72 (1H, m), 7,89-7,92 (4H, m), 8,09-8,17 (3H, m), 8,22 (1H, s), 8,62-8,63 (1H, m).
6-1125	δ 7,42-7,44 (1H, m), 7,84-7,94 (5H, m), 8,02-8,11 (4H, m), 8,63-8,64 (1H, m).
6-1126	δ 7,05-7,09 (2H, m), 7,38-7,42 (1H, m), 7,49-7,50 (1H, m), 7,88-7,99 (4H, m), 8,09-8,12 (1H, m), 8,71-8,72 (1H, m).
6-1140	δ 7,40-7,49(2H, m), 7,89(2H, s), 7,94-7,96(1H, m), 8,13(1H, d, J = 12,7Hz), 8,32-8,34(1H, m), 8,57-8,59(1H, m), 8,67-8,71(1H, m), 8,75(1H, rộng-s).
6-1147	δ 7,39-7,44 (1H, m), 7,52-7,55 (1H, m), 7,89 (1H, s), 7,96-7,98 (1H, m), 8,05-8,11 (3H, m), 8,21-8,23 (1H, m), 8,61-8,62 (1H, m), 8,93 (1H, s).
6-1182	δ 7,37-7,41 (1H, m), 7,53-7,64 (3H, m), 7,87-7,94 (5H, m), 8,11-8,14 (2H, m), 8,67-8,71 (1H, m).
6-1183	δ 7,35-7,41(2H, m), 7,58-7,61(1H, m), 7,86-7,92(3H, m), 8,17-8,25(2H, m), 8,61(1H, s), 8,74(1H, t, J =7,8Hz), 8,90-8,93(1H, m).
6-1184	δ 7,33(1H, t, J =8,0Hz), 7,40(1H, t, J =7,8Hz), 7,50-7,56(1H, m), 7,64-7,69(2H, m), 7,88(2H, s), 7,92(1H, t, J =7,8Hz), 8,09-8,12(2H, m), 8,63(1H, t, J =8,2Hz).
6-1185	δ 7,22(2H, t, J =7,8Hz), 7,29-7,30(1H, m), 7,40(1H, t, J =8,0Hz), 7,88(2H, s), 7,90-7,97(2H, m), 8,05(1H, s), 8,10-8,13(1H, m), 8,64(1H, t, J =7,8Hz).
6-1202	δ 7,42-7,44 (1H, m), 7,68-7,72 (1H, m), 7,88-7,94 (4H, m), 8,10-8,23 (4H, m), 8,60-8,65 (1H, m).
6-1203	δ 7,39-7,44 (1H, m), 7,84-7,88 (4H, m), 7,92-7,95 (1H, m), 8,02-8,13 (4H, m), 8,61-8,65 (1H, m).
6-1204	δ 7,05(2H, t, J =8,0Hz), 7,40(1H, t, J =8,0Hz), 7,48-7,52(1H, m), 7,87(2H, s), 7,92(1H, t, J =8,0Hz), 8,01(1H, s), 8,11-8,14(1H, m), 8,68(1H, t, J =7,4Hz).

Bảng 52(6)

Số hợp chất	^{1}H- NMR ($CDCl_3$, ppm)
6-1218	δ 7,40-7,49(2H, m), 7,95(2H, s), 7,94(1H, t, J =7,8Hz), 8,12-8,16(1H, m), 8,34(1H, d, J =8,0Hz), 8,58(1H, s),
6-1225	δ 7,42(1H, t, J =8,2Hz), 7,53(1H, d, J =8,0Hz), 7,88(2H, s), 7,94(1H, t, J =7,0Hz), 8,06(1H, s), 8,09-8,12(1H, m), 8,20-8,23(1H, m), 8,60(1H, t, J =8,0Hz), 8,93(1H, s).
6-1260	δ 7,39 (1H, t, J =7,8Hz), 7,52-7,57 (4H, m), 7,60-7,63 (2H, m), 7,93-7,94 (4H, m), 8,70 (1H, t, J =6,3Hz).
6-1261	δ 7,22-7,28 (1H, m), 7,35-7,42 (2H, m), 7,59-7,61 (1H, m), 7,94-7,95 (1H, m), 8,12 (2H, s), 8,15-8,25 (2H, m), 8,78 (1H, t, J =1,5Hz), 9,00 (1H, d, J =7,8Hz).
6-1262	δ 7,30-7,33(1H, m), 7,40-7,44(1H, m), 7,52-7,55(2H, m), 7,64-7,70(3H, m), 7,95-7,96(1H, m), 8,09-8,13(2H, m), 8,67-8,68(1H, m).
6-1263	δ 7,20-7,26 (3H, m), 7,38-7,42 (1H, m), 7,91-7,98 (3H, m), 8,07-8,12 (3H, m), 8,63-8,67 (1H, m).
6-1280	δ 7,41-7,45(1H, m), 7,68-7,72(1H, m), 7,90-7,99(2H, m), 8,08-8,25(5H, m), 8,22-8,24(1H, m), 8,56-8,65(1H, m).
6-1281	δ 7,41-7,50(1H, m), 7,86-7,87(2H, m), 7,95-7,98(1H, m), 8,03-8,13(6H, m), 8,65-8,67(1H, m).
6-1282	δ 7,06 (2H, t, J =8,3Hz), 7,38-7,42 (1H, m), 7,47-7,52 (1H, m), 7,93-7,97 (1H, m), 8,01 (1H, s), 8,11-8,13 (3H, m), 8,68-8,72 (1H, m).
6-1296	δ 7,41-7,52(2H, m), 7,96-8,00(1H, m), 8,12-8,14(3H, m), 8,33-8,35(1H, m), 8,57-8,59(1H, m), 8,68-8,76(2H, m).
6-1303	δ 7,41-7,45(1H, m), 7,51-7,54(1H, m), 7,96-7,99(1H, m), 8,06-8,24(5H, m), 8,61(1H, m), 8,94(1H, m).
6-1338	δ 7,38-7,42 (1H, m), 7,52-7,64 (3H, m), 7,90-7,94 (3H, m), 8,11-8,15 (4H, m), 8,67-8,71 (1H, m).
6-1339	δ 7,35-7,42(2H, m), 7,60(1H, d, J =8,0Hz), 7,94(1H, t, J =8,0Hz), 8,11(2H, s), 8,17-8,25(2H, m), 8,62(1H, s), 8,74(1H, t, J =7,4Hz), 8,92(1H, d, J =16,4Hz).
6-1340	δ 7,28-7,35(2H, m), 7,40(1H, t, J =8,0Hz), 7,51-7,56(1H, m), 7,64-7,70(2H, m), 7,94(1H, t, J =8,0Hz), 8,10(2H, s), 8,14(1H, s), 8,65(1H, t, J =8,0Hz).
6-1341	δ 7,20-7,25(2H, m), 7,40(1H, t, J =8,0Hz), 7,92-7,97(3H, m), 8,09(1H, d, J =8,0Hz), 8,11(2H, s), 8,14(1H, s), 8,64(1H, t, J =8,0Hz).
6-1358	δ 7,41-7,45 (1H, m), 7,68-7,72 (1H, m), 7,89-7,98 (2H, m), 8,10-8,23 (6H, m), 8,60-8,64 (1H, m).
6-1359	δ 7,41-7,45 (1H, m), 7,83-7,89 (2H, m), 7,94-7,99 (1H, m), 8,03-8,14 (6H, m), 8,62-8,66 (1H, m).
6-1360	δ 7,05(1H, t, J =8,8Hz), 7,41-7,46(1H, m), 7,52(1H, t, J =7,8Hz), 7,95(1H, t, J =7,8Hz), 8,03(1H, s), 8,10(2H, s), 8,15(1H, s), 8,61(1H, s), 8,70(1H, t, J =8,0Hz).
6-1374	δ 7,41-7,49(2H, m), 8,00(1H, t, J =8,0Hz), 8,11(2H, s), 8,16(1H, s), 8,34(1H, d, J =7,2Hz), 8,58(1H, d, J =2,0Hz), 8,70(1H, t, J =7,8Hz), 8,78(1H, s).

Bảng 52(7)

Số hợp chất	^{1}H- NMR ($CDCl_3$, ppm)
6-1381	δ 7,43(1H, t, J =8,0Hz), 7,53(1H, d, J =8,0Hz), 7,97(1H, t, J =7,8Hz), 8,11-8,12(3H, m), 8,14(1H, s), 8,22(1H, d, J =8,0Hz), 8,57(1H, t, J =8,0Hz), 8,94(1H, s).
6-1574	δ 7,37-7,41(1H, m), 7,53-7,64(3H, m), 7,86-7,94(4H, m), 8,13-8,22(3H, m), 8,67-8,72(1H, m).
6-1575	δ 7,22-7,27 (1H, m), 7,35-7,41 (2H, m), 7,57-7,60 (1H, m), 7,88-7,93 (2H, m), 8,16 (1H, s), 8,20-8,25 (2H, m), 8,74-8,75 (1H, m), 8,77-9,00 (1H, m).
6-1576	δ 7,27-7,37 (2H, m), 7,48-7,53 (1H, m), 7,72-7,80 (3H, m), 7,92 (1H, s), 8,15 (1H, s), 8,27-8,31 (1H, m), 9,16 (1H, s), 9,35 (1H, d, J =7,3Hz).
6-1577	δ 7,20-7,23 (3H, m), 7,24-7,26 (1H, m), 7,39-7,40 (3H, m), 7,86-7,97 (1H, m), 8,06 (1H, d, J =2,4Hz), 8,16-8,20 (1H, m), 8,62-8,67 (1H, m).
6-1594	δ 7,41-7,42 (1H, m), 7,70-7,71 (1H, m), 7,93-8,89 (3H, m), 8,12-8,24 (5H, m), 8,60-8,61 (1H, m).
6-1595	δ 7,41(1H, t, J = 7,8Hz), 7,84-7,87(2H, m), 7,90-7,94(2H, m), 8,03-8,05(2H, m), 8,12-8,18(3H, m), 8,62-8,66(1H, m).
6-1596	δ 7,00-7,09 (2H, m), 7,40-7,41 (1H, m), 7,46-7,53 (1H, m), 7,89-7,92 (2H, m), 8,00 (1H, s), 8,16-8,19 (2H, m), 8,71-8,72 (1H, m).
6-1610	δ 7,42-7,49(2H, m), 7,93-7,94(2H, m), 8,15-8,21(2H, m), 8,31-8,34(1H, m), 8,57-8,59(1H, m), 8,63-8,69(2H, m).
6-1617	δ 7,31-7,38 (1H, m), 7,49 (1H, d, J =8,3Hz), 7,82-7,86 (1H, m), 7,92 (1H, s), 8,15 (1H, s), 8,19-8,23 (1H, m), 8,30 (1H, dd, J =2,4, 8,3Hz), 9,04-9,09 (2H, m), 9,53 (1H, s).
6-1652	δ 7,40 (1H, t, J =7,8Hz), 7,53-7,64 (3H, m), 7,86-7,94 (4H, m), 8,13-8,20 (3H, m), 8,71-8,72 (1H, m).
6-1653	δ 7,22-7,25 (1H, m), 7,35-7,41 (2H, m), 7,57-7,60 (1H, m), 7,88-7,92 (2H, m), 8,15 (1H, s), 8,20-8,29(2H, m), 8,71-8,75 (1H, m), 8,89-8,93 (1H, m).
6-1654	δ 7,32-7,34 (1H, m), 7,38-7,42 (1H, m), 7,50-7,56 (1H, m), 7,63-7,70 (2H, m), 7,88-7,91 (2H, m), 8,09-8,20 (3H, m), 8,63-8,68 (1H, m).
6-1655	δ 7,21-7,30 (2H, m), 7,37-7,41 (1H, m), 7,86-7,97 (4H, m), 8,06-8,21 (3H, m), 8,63-8,67 (1H, m).
6-1672	δ 7,37-7,41 (1H, m), 7,67-7,71 (1H, m), 7,88-7,91 (3H, m), 8,15-8,18 (2H, m), 8,24-8,28 (3H, m), 8,52-8,56 (1H, m).
6-1673	δ 7,39-7,44 (1H, m), 7,85-7,93 (4H, m), 8,03-8,05 (2H, m), 8,13-8,18 (3H, m), 8,61-8,65 (1H, m).
6-1674	δ 7,04-7,09 (2H, m), 7,38-7,42 (1H, m), 7,47-7,52 (1H, m), 7,89-7,93 (2H, m), 8,00 (1H, s), 8,14-8,20 (2H, m), 8,69-8,73 (1H, m).
6-1688	δ 7,42 (1H, t, J =7,8Hz), 7,47 (1H, dd, J =4,9, 7,8Hz), 7,92-7,96 (2H, m), 8,14 (1H, s), 8,19 (1H, d, J =12,7Hz), 8,33 (1H, dd, J =2,0, 7,8Hz), 8,58 (1H, dd, J =2,0, 4,9Hz), 8,70-8,71 (1H, m), 8,74 (1H, s).
6-1695	δ 7,39-7,43 (1H, m), 7,52-7,54 (1H, m), 7,92-7,95 (2H, m), 8,08-8,09 (1H, m), 8,15 (1H, s), 8,17-8,23 (2H, m), 8,57-8,93 (1H, m), 8,94 (1H, s).

Bảng 52(8)

Số hợp chất	^{1}H- NMR ($CDCl_3$, ppm)
6-1730	δ 7,40 (1H, t, J =7,8Hz), 7,53-7,64 (3H, m), 7,87-7,95 (4H, m), 8,14 (1H, s), 8,22 (1H, d, J =12,7Hz), 8,37 (1H, s), 8,71-8,72 (1H, m).
6-1731	δ 7,22-7,25(1H, m), 7,35-7,37(2H, m), 7,58-7,60(1H, m), 7,90(1H, t, J =8,6Hz), 7,96(1H, s), 8,22(1H, t, J =8,8Hz), 8,29-8,32(1H, d, J =12,4Hz), 8,37(1H, s), 8,73(1H, m), 8,94(1H, s).
6-1732	δ 7,32-7,33(1H, m), 7,37(1H, t, J =8,0Hz), 7,52-7,54(1H, m), 7,64-7,70(2H, m), 7,90(1H, t, J =6,4Hz), 7,96(1H, s), 8,10(1H, s), 8,23(1H, d, J =12,0Hz), 8,37(1H, s), 8,65(1H, t, J =8,0Hz).
6-1733	δ 7,19-7,25(2H, m), 7,35(1H, t, J =7,8Hz), 7,87-7,97(4H, m), 8,08(1H, s), 8,25(1H, d, J =12,0Hz), 8,37(1H, s), 8,65(1H, t, J =8,0Hz).
6-1734	δ 7,43-7,52(5H, m), 7,87-7,95(3H, m), 8,22(1H, d, J =10,0Hz), 8,35(1H, d, J =8,2Hz), 8,74(1H, t, J =8,4Hz).
6-1750	δ 7,40(1H, t, J =8,2Hz), 7,68(1H, t, J =8,0Hz), 7,88-7,95(2H, m), 8,12(1H, s), 8,16(1H, d, J =8,0Hz), 8,23-8,25(2H, m), 8,30-8,33(1H, m), 8,36(1H, s), 8,53(1H, t, J =7,4Hz).
6-1751	δ 7,44(1H, t, J =8,0Hz), 7,86(2H, d, J =8,0Hz), 7,91-7,96(2H, m), 8,03(2H, d, J =7,6Hz), 8,13-8,22(2H, m), 8,37(1H, s), 8,64(1H, t, J =8,6Hz).
6-1752	δ 7,04-7,11(2H, m), 7,38-7,53(2H, m), 7,90-7,95(2H, m), 8,01(1H, s), 8,22(1H, d, J =12,8Hz), 8,37(1H, s), 8,69-8,73(1H, m).
6-1754	δ 7,39-7,44(2H, m), 7,54(1H, s), 7,85(1H, d, J =8,0Hz), 7,90-7,95(2H, m), 8,22(1H, d, J =12,0Hz), 8,68(1H, s), 8,70(1H, s), 8,69(1H, t, J =7,8Hz).
6-1755	δ 7,16-7,19(1H, m), 7,40(1H, t, J =8,0Hz), 7,92-7,95(2H, m), 8,07(2H, t, J =4,8Hz), 8,24(1H, d, J =12,8Hz) 8,37(1H, s), 8,42(1H, s), 8,70(1H, t, J =8,0Hz).
6-1766	δ 7,41-7,49 (2H, m), 7,93-7,97 (2H, m), 8,22 (1H, d, J =13,2Hz), 8,33 (1H, dd, J =2,0, 7,3Hz), 8,37 (1H, s), 8,58 (1H, dd, J =2,0, 4,9Hz), 8,70-8,73 (2H, m).
6-1773	δ 7,40(1H, t, J =8,2Hz), 7,52(1H, d, J =8,0Hz), 7,91-7,96(2H, m), 8,12-8,28(3H, m), 8,37(1H, s), 8,57(1H, s), 8,94(1H, s).
6-1808	δ 7,38-7,42 (1H, m), 7,53-7,64 (3H, m), 7,87-7,94 (4H, m), 8,14 (1H, s), 8,23-8,26 (1H, m), 8,36 (1H, s), 8,68-8,71 (1H, m).
6-1809	δ 7,22-7,25(2H, m), 7,38(1H, t, J =8,0Hz), 7,58-7,61(1H, m), 7,89-7,94(2H, m), 8,23(1H, t, J =6,3Hz), 8,29(1H, d, J =13,2Hz), 8,36(1H, s), 8,74(1H, t, J =6,3Hz), 8,93-8,94(1H, m).
6-1810	δ 7,30-7,33(2H, m), 7,40(1H, t, J =7,8Hz), 7,51-7,56(1H, m), 7,64-7,70(2H, m), 7,88-7,94(1H, m), 8,10(1H, s), 8,23(1H, d, J =12,2Hz), 8,36(1H, s), 8,67(1H, t, J =7,8Hz).
6-1811	δ 7,39(1H, t, J =8,3Hz), 7,86-7,97(3H, m), 8,08(2H, s), 8,25(1H, d, J =12,2Hz), 8,36(2H, s), 8,65(2H, t, J =6,3Hz).
6-1828	δ 7,30-7,33(2H, m), 7,41(1H, t, J =7,6Hz), 7,68-7,73(1H, m), 7,89-7,94(2H, m), 8,16(1H, d, J =7,6Hz), 8,23-8,27(1H, m), 8,41(1H, s), 8,63-8,64(2H, m).
6-1829	δ 7,29-7,31(1H, m), 7,42(1H, t, J =8,0Hz), 7,90-7,94(2H, m), 8,04(2H, d, J =4,4Hz), 8,15(1H, s), 8,23(1H, d, J =12,0Hz), 8,36(1H, s), 8,60-8,66(2H, m).
6-1830	δ 7,06(1H, t, J =8,3Hz), 7,41(1H, t, J =7,8Hz), 7,67-7,69(1H, m), 7,90-7,93(2H, m), 8,03(1H, s), 8,25(1H, d, J =12,7Hz), 8,35(1H, s), 8,61(1H, s), 8,70(1H, t, J =7,8Hz).

Bảng 52(9)

Số hợp chất	^{1}H- NMR ($CDCl_3$, ppm)
6-1851	δ 7,42(1H, t,J = 8,0Hz), 7,53(1H, d, J =7,9Hz), 7,92-7,94(2H, m), 8,09(1H, s), 8,21-8,24(2H, m), 8,36(1H, s), 8,59(1H, t, J =8,0Hz), 8,94(1H, s).
6-2110	δ 7,36-7,40 (1H, m), 7,53-7,64 (3H, m), 7,84-7,97 (1H, m), 7,92-7,94 (2H, m), 8,04-8,07 (1H, m), 8,08-8,13 (1H, m), 8,20 (2H, s), 8,68-8,72 (1H, m).
6-3348	δ 7,29-7,34(1H, m), 7,53-7,65(3H, m), 7,80-7,84(1H, m), 7,90-7,92(3H, m), 8,14(1H, rộng-s), 8,20(1H, d, J = 2,9Hz), 8,25(1H, rộng-s), 9,10(1H, dd, J = 1,9,7,3Hz).
6-3384	δ 7,32-7,36(1H, m), 7,45-7,48(1H, m), 7,83-7,87(1H, m), 7,93(1H, rộng-s), 8,10(1H, rộng-s), 8,15(1H, rộng-s), 8,30(1H, dd, J = 1,5,7,3Hz), 8,57-8,79(1H, m), 8,78(1H, rộng-s), 9,09(1H, dd, J = 2,4,7,3Hz).
6-5902	(DMSO-d6) δ 7,39(1H, t, J = 7,8Hz), 7,52-7,64(4H, m), 7,81(1H, t, J = 6,8Hz), 7,95(1H, s), 7,98-8,01(3H, m), 10,29(1H, s), 10,68(1H, s).
6-5903	δ 7,50-7,67(5H, m), 7,79(1H, d, J =8,0Hz), 7,92(1H, d, J =8,0Hz), 8,01(2H, d, J =8,0Hz), 8,10(2H, s), 8,31(1H, s).
6-5904	δ 7,19-7,23(1H, m), 7,28-7,31(1H, m), 7,58(1H, t, J =8,2Hz), 7,78(1H, d, J =8,0Hz), 7,91-7,94(3H, m), 8,01(2H, d, J =8,0Hz), 8,30(2H, s), 8,61(1H, s).
6-5905	δ 7,26 (1H, s), 7,43-7,46 (1H, m), 7,56-7,60 (1H, m), 7,80-7,94 (5H, m), 8,22-8,56(4H, m).
6-5906	δ 7,18-7,12 (2H, m), 7,53-7,57 (1H, m), 7,76 (1H, d, J =7,6Hz), 7,86-8,28 (7H, m), 8,28 (1H, s).
6-5907	δ 7,39(1H, t, J = 7,8Hz), 7,52-7,64(4H, m), 7,85-7,94(4H, m), 8,06(1H, d, J = 12,2Hz), 8,14(1H, rộng-s), 8,67-8,71(1H, m).
6-5908	δ 7,39-7,49(2H, m), 7,59(1H, s), 7,88-7,94(2H, m), 8,07(1H, d, J = 12,2Hz), 8,31-8,33(1H, m), 8,57-8,58(1H, m), 8,60-8,70(1H, m), 8,74(1H, rộng-s).
6-5909	δ 7,42(1H, t, J = 7,8Hz), 7,59(1H, s), 7,85-7,92(4H, m), 7,99(1H, rộng-s), 8,02-8,05(2H, m), 8,10(1H, rộng-s), 8,61-8,67(1H, m).
6-5910	δ 7,39(1H, t, J = 8,3Hz), 7,53-7,64(3H, m), 7,88-7,94(4H, m), 8,13(1H, rộng-s), 8,19(1H, rộng-s), 8,24(1H, d, J = 13,2Hz), 8,70-8,72(1H, m).
6-5911	δ 7,41(1H, t, J = 8,3Hz), 7,84-7,87(3H, m), 7,91-7,95(1H, m), 8,03-8,05(2H, m), 8,10(1H, rộng-s), 8,17-8,20(2H, m), 8,63-8,67(1H, m).
6-5912	δ 3,10 (3H, s), 7,59 (1H, t, J =7,8 Hz), 7,76 (1H, d, J =7,8 hz), 7,77-8,00 (5H, m), 8,03 (1H, s), 8,19 (1H, s) 8,24 (1H, s), 8,36 (1H, s).
6-5913	δ 7,51-7,62 (4H, m), 7,72 (1H, dd, J =1,5, 7,8Hz), 7,89-8,00 (6H, m), 8,14 (1H, s), 8,27 (1H, t, J =2,0Hz).
6-5914	δ 7,44 (1H, dd, J =4,9, 7,8Hz), 7,56-7,60 (1H, m), 7,76 (1H, d, J =7,8Hz), 7,92 (3H, rộng-s), 8,14 (1H, s), 8,22-8,27 (1H, m), 8,27 (1H, s), 8,41 (1H, s), 8,55 (1H, dd, J =2,0, 4,4Hz).
7-38	δ 3,57(3H, s), 7,21-7,24(1H, m), 7,32-7,34(4H, m), 7,40-7,44(2H, m), 7,59(1H, s), 7,71(1H, d, J =8,0Hz), 7,84(3H, s).
7-39	δ 3,54(3H, s), 7,06-7,19(1H, m), 7,28-7,34(2H, m), 7,43-7,48(2H, m), 7,57(1H, s), 7,69(1H, s), 7,75(1H, d, J=8,0Hz), 7,90(1H, d, J =8,0Hz), 8,06(2H, s).

Bảng 52(10)

Số hợp chất	^{1}H- NMR ($CDCl_3$, ppm)
7-45	δ 3,57(3H, s), 7,29-7,30 (2H, m), 7,48(1H, t, J =8,0Hz), 7,59(1H, s), 7,68-7,71(3H, m), 7,77(1H, d, J =7,8Hz), 7,85(2H, s), 8,24(1H, s).
7-46	δ 3,57(3H, s), 7,41-7,45(3H, m), 7,52(2H, s), 7,55(1H, d, J =8,0Hz), 7,69(1H, s), 7,74(1H, d, J =7,8Hz), 7,86(2H, s), 8,62(1H, s).
7-47	δ 3,56(3H, s), 6,97-7,05(3H, m), 7,17-7,19(1H, m), 7,43-7,50(3H, m), 7,73(1H, s), 7,85(2H, s).
7-57	δ 3,57(3H, s), 7,15(1H, t, J =6,0Hz), 7,41(2H, s), 7,50(1H, s), 7,52(1H, s), 7,60(1H, d, J =6,4Hz), 7,73(1H, s), 7,85(2H, s), 8,27(1H, s).
7-60	3,57(3H, s), 7,30(1H, d, J =8,0Hz), 7,47(1H, t, J =8,0Hz), 7,61(1H, s), 7,76(2H, s), 7,78-7,81(1H, m), 7,85(2H, s), 8,11(1H, s), 8,24(1H, s).
7-71	δ 3,56(3H, s), 7,20-7,25(1H, m), 7,33-7,38(3H, m), 7,43-7,47(3H, m), 7,56(1H, s), 7,74(1H, d, J =6,8Hz), 8,06-8,10(3H, m).
7-72	δ 3,55(3H, s), 7,06-7,10(1H, m), 7,30-7,36(2H, m), 7,43-7,48(2H, m), 7,57(1H, s), 7,68(1H, s), 7,78(1H, d, J=8,0Hz), 7,90(1H, d, J =8,0Hz), 8,07(2H, s).
7-78	δ 3,57(3H, s), 7,29-7,64(2H, m), 7,70(1H, s), 7,79(1H, d, J =8,0Hz), 7,86(1H, d, J =8,0Hz), 7,95(1H, t, J =8,0Hz), 8,08(2H, s), 8,33(1H, d, J =8,0Hz), 8,40(1H, s), 8,71(1H, s).
7-79	δ 3,58(3H, s), 7,42-7,53(3H, m), 7,60-7,66(1H, m), 7,77(1H, d, J =8,0Hz), 7,89(1H, t, J =8,0Hz), 8,08(2H, s), 8,21(1H, d, J =8,0Hz), 8,70(2H, s).
7-80	δ 3,56(3H, s), 7,02(1H, t, J =8,0Hz), 7,42-7,44(1H, m), 7,55(1H, t, J =8,0Hz), 7,75(1H, d, J =8,0Hz), 7,90-7,95(3H, m), 8,01(1H, s), 8,14(1H, s), 8,26(1H, s).
7-90	δ 3,59(3H, s), 7,59(1H, s), 7,60(1H, d, J =6,0Hz), 7,80-7,83(1H, m), 8,08(2H, s), 8,26-8,30(2H, m), 8,53(1H, d, J =4,0Hz), 8,69(2H, s).
7-93	δ 3,58(3H, s), 7,34-7,52(3H, m), 7,63(1H, d, J =16,0Hz), 7,69(1H, d, J =8,0Hz), 7,80(1H, d, J =8,0Hz), 7,85(1H, t, J =8,0Hz), 8,25(1H, s), 8,29(1H, d, J =8,0Hz), 8,69(1H, s).
7-132	δ 3,57 (3H, s), 7,26-7,28 (1H, m), 7,41-7,46 (3H, m), 7,52-7,54 (3H, m), 7,63 (1H, s), 7,68 (1H, d, J =7,8Hz), 7,87 (1H, s), 7,98 (1H, s).
7-147	δ 3,58 (3H, s), 7,14 (1H, dd, J = 4,9,7,8Hz), 7,41-7,42 (2H, m), 7,52 (1H, s), 7,59 (1H, dd, J = 1,5,7,8Hz), 7,67 (2H, rộng-s), 7,87 (1H, s), 7,97 (1H, s), 8,26 (1H, dd, J =1,5,4,9Hz).
7-268	δ 3,49 (3H, s), 7,12-7,16 (2H, m), 7,21-7,28 (4H, m), 7,35 (1H, t, J =7,8Hz), 7,64 (1H, s), 7,70 (1H, dd, J =1,5,8,8Hz), 7,86 (1H, s), 8,07 (1H, d, J =1,5Hz), 8,29 (1H, s).
7-269	δ 3,54 (3H, s), 6,80-6,81 (1H, m), 7,70-7,08 (1H, m), 7,25-7,26 (1H, m), 7,39-7,41 (4H, m), 7,52-7,53 (1H, m), 7,70-7,71 (1H, m), 7,90 (1H, s), 8,12 (1H, s).
7-270	δ 3,55 (3H, s), 6,97-6,99 (1H, m), 7,04-7,06 (2H, m), 7,15-7,21 (1H, m), 7,32-7,34 (1H, m), 7,44 (1H, t, J =7,8Hz), 7,58-7,59 (2H, m), 7,70 (1H, d, J =7,8Hz), 7,90 (1H, s), 8,12 (1H, s).
7-271	δ 3,55 (3H, s), 6,88-6,92 (2H, m), 7,30-7,34 (3H, m), 7,43 (1H, t, J =7,8Hz), 7,57-7,58 (2H, m), 7,67-7,69 (1H, m), 7,90-7,91 (1H, m), 8,13-8,14 (1H, m).
7-285	δ 3,59 (3H, s), 7,34-7,52 (3H, m), 7,65-7,73 (4H, m), 7,90 (1H, s), 8,13-8,16 (3H, m).

Bảng 52(11)

Số hợp chất	^{1}H- NMR ($CDCl_3$, ppm)
7-286	δ 3,59 (3H, s), 7,29-7,30 (1H, m), 7,42-7,52 (4H, m), 7,63 (1H, s), 7,69 (1H, d, J =7,8Hz), 7,91 (1H, s), 8,08-8,13 (3H, m).
7-288	δ 3,57 (3H, s), 7,15-7,37 (2H, m), 7,47-7,48 (1H, m), 7,52-7,62 (5H, m), 7,72 (1H, d, J =7,8Hz), 7,91 (1H, s), 8,14 (1H, s).
7-289	δ 3,57 (3H, s), 7,26-7,29 (1H, m), 7,40-7,46 (3H, m), 7,52 (2H, d, J =8,3Hz), 7,58-7,61 (2H, m), 7,70 (1H, d, J =7,8Hz), 7,92 (1H, s), 8,14 (1H, s).
7-290	δ 3,55 (3H, s), 6,70-6,74 (2H, m), 7,14-7,19 (1H, m), 7,43-7,44 (2H, m), 7,52 (1H, s), 7,67 (1H, s), 7,74-7,77 (1H, m), 7,91 (1H, s), 8,13 (1H, s).
7-299	δ 3,58 (3H, s), 7,33 (1H, d, J =6,8Hz), 7,52 (1H, t, J =7,8Hz), 7,64-7,65 (2H, m), 7,75-7,79 (3H, m), 7,83 (1H, s), 7,92 (1H, s), 8,14 (1H, s).
7-300	δ 3,56 (3H, rộng-s), 7,14 (1H, rộng-d, J =8,3Hz), 7,33-7,53 (4H, m), 7,59-7,60 (2H, m), 7,71-7,72 (1H, m), 7,92 (1H, s), 8,14 (1H, s).
7-301	δ 3,57 (3H, s), 7,33-7,59 (4H, m), 7,60 (1H, s), 7,64 (1H, s), 7,68-7,70 (2H, m), 7,92 (1H, s), 8,15 (1H, s).
7-303	δ 3,56 (3H, s), 7,17-7,12 (1H, m), 7,39-7,45 (2H, m), 7,55 (2H, s), 7,69 (1H, d, J =7,8Hz), 7,90 (2H, s), 8,13-8,14 (2H, m).
7-304	δ 3,54 (3H, s), 7,10 (1H, dd, J =4,9,7,8Hz), 7,35-7,40 (2H, m), 7,56 (1H, dd, J =1,5,7,8Hz), 7,70 (2H, s), 7,88-7,90 (2H, m), 8,12 (1H, s), 8,22 (1H, dd, J =1,5,4,9Hz).
7-305	δ 3,57 (3H, s), 7,13 (1H, dd, J =4,9,7,8Hz), 7,41-7,42 (2H, m), 7,57-7,62 (2H, m), 7,67-7,69 (2H, m), 7,91 (1H, s), 8,13 (1H, s), 8,24-8,26 (1H, m).
7-311	δ 3,57 (3H, s), 7,23-7,31 (2H, m), 7,47-7,48 (1H, m), 7,66-7,73 (4H, m), 7,92 (1H, s), 8,14 (1H, s), 8,23 (1H, d, J =1,9Hz).
7-316	δ 3,59 (3H, s), 7,27-7,30 (1H, m), 7,48-7,49 (1H, m), 7,60-7,67 (3H, m), 7,73 (1H, d, J =7,8Hz), 7,85 (1H, dd, J=1,9,7,8Hz), 7,92 (1H, s), 8,15 (1H, d, J =1,5Hz), 8,52 (1H, s).
7-346	δ 3,54(3H, s), 7,18-7,34(4H, m), 7,40(1H, t, J =7,8Hz), 7,57(1H, s), 7,67-7,69(1H, m), 7,88(1H, s), 8,10(1H, s).
7-347	δ 3,53 (3H, s), 6,82 (1H, s), 7,07 (1H, s), 7,23-7,70 (7H, m), 7,89 (1H, s), 8,11 (1H, s).
7-348	δ 3,53 (3H, s), 6,96-6,99 (1H, m), 7,00-7,06 (2H, m), 7,15-7,19 (1H, m), 7,32-7,34 (1H, m), 7,42-7,46(1H, m), 7,60 (1H, s), 7,68-7,71 (2H, m), 7,89 (1H, s), 8,11 (1H, s).
7-349	δ 3,54 (3H, s), 6,88-6,92 (2H, m), 7,29-7,34 (3H, m), 7,41-7,44 (2H, m), 7,59 (1H, s), 7,68-7,70 (1H, m), 7,89 (1H, s), 8,11 (1H, s).
7-366	δ 3,64 (3H, s), 7,31-7,36 (2H, m), 7,44-7,48 (2H, m), 7,52-7,58 (1H, m), 7,61 (2H, s), 7,71-7,73 (2H, m), 7,89 (1H, s), 8,12 (1H, s).
7-367	δ 3,56 (3H, s), 7,22-7,31 (3H, m), 7,44-7,48 (1H, m), 7,66-7,77 (4H, m), 7,90 (1H, s), 8,12 (1H, s), 8,22 (1H, s).
7-368	δ 3,52 (3H, s), 6,67-6,72 (2H, m), 7,00 (1H, s), 7,13-7,17 (1H, m), 7,41-7,42 (2H, m), 7,72-7,89 (3H, m), 8,11 (1H, s).

Bảng 52(12)

Số hợp chất	^{1}H- NMR ($CDCl_3$, ppm)
7-382	δ 3,58 (3H, s), 7,13-7,16 (1H, m), 7,43-7,61 (4H, m), 7,67(2H, s), 7,90 (1H, s), 8,13 (1H, s), 8,26-8,27 (1H, m).
7-389	δ 3,57 (3H, s), 7,29 (1H, s), 7,40-7,46 (3H, m), 7,52-7,54 (2H, m), 7,59-7,62 (1H, m), 7,69-7,70 (1H, m), 7,90 (1H, s), 8,13 (1H, s).
7-424	δ 3,56 (3H, s), 7,19-7,37 (6H, m), 7,44-7,45 (1H, m), 7,54 (1H, s), 7,60 (1H, rộng-s), 7,68 (1H, d, J =7,8Hz), 7,92 (1H, s), 8,31 (1H, s).
7-425	δ 3,54 (3H, rộng-s), 6,82 (1H, rộng-s), 7,07 (1H, rộng-s), 7,23-7,30 (2H, m), 7,31-7,51 (3H, m), 7,52-7,56 (1H, m), 7,71 (1H, rộng-s), 7,92 (1H, s), 8,33 (1H, s).
7-426	δ 3,56 (3H, s), 6,96-7,00 (1H, m), 7,05-7,07 (2H, m), 7,15-7,21 (1H, m), 7,34-7,36 (1H, m), 7,46-7,47 (1H, m), 7,58-7,66 (2H, m), 7,71 (1H, d, J =7,3Hz), 7,93 (1H, s), 8,33 (1H, s).
7-427	δ 3,56 (3H, s), 6,88-6,92 (2H, m), 7,31-7,34 (2H, m), 7,45-7,46 (1H, m), 7,56 (1H, s), 7,62 (1H, s), 7,65 (1H, s), 7,70 (1H, d, J =7,3Hz), 7,93 (1H, s), 8,33 (1H, s).
7-428	δ 3,58(3H, s), 7,00-7,24(4H, m), 7,42-7,43(3H, m), 7,62(1H, s), 7,66(1H, s), 7,94(1H, s), 8,34(1H, s).
7-444	δ 3,57 (3H, s), 7,33-7,37 (2H, m), 7,48-7,49 (1H, m), 7,52-7,61 (4H, m), 7,69-7,74 (2H, m), 7,93 (1H, s), 8,34 (1H, s).
7-445	δ 3,58 (3H, s), 7,30 (1H, d, J =9,5Hz), 7,41-7,48 (3H, m), 7,51-7,53 (3H, m), 7,59 (1H, s), 7,70 (1H, d, J=7,9Hz), 7,94 (1H, s), 8,34 (1H, s).
7-446	δ 3,56 (3H, s), 6,69-6,73 (2H, m), 7,14-7,18 (1H, m), 7,44-7,45 (2H, m), 7,61 (1H, s), 7,69 (1H, s), 7,75-7,77 (1H, m), 7,93 (1H, s), 8,34 (1H, s).
7-449	δ 3,51(3H, s), 6,82-6,86(1H, m), 6,94-6,98(1H, m), 7,14-7,24(1H, m), 7,28-7,29(2H, m), 7,41(1H, s), 7,64(1H, s), 7,69(1H, d, J =5,9Hz), 7,94(1H, s), 8,34(1H, s).
7-460	δ 3,59 (3H, s), 7,13 (1H, dd, J =4,8, 7,1Hz), 7,43-7,44 (2H, m), 7,52 (1H, s), 7,58-7,60 (1H, m), 7,67 (2H, rộng-s), 7,94 (1H, s), 8,26 (1H, dd, J =1,6, 4,8Hz), 8,34 (1H, s).
7-467	δ 3,58 (3H, s), 7,23 (1H, d, J =8,3Hz), 7,33 (1H, d, J =7,8Hz), 7,49-7,50 (1H, m), 7,62 (1H, s), 7,67-7,68 (2H, m), 7,73 (1H, d, J =7,8Hz), 7,93 (1H, s), 8,23 (1H, d, J =2,0Hz), 8,34 (1H, s).
7-502	δ 3,57(3H, s), 7,20-7,26(3H, m), 7,27-7,37(3H, m), 7,45(1H, t, J =7,6Hz), 7,56(1H, s), 7,68(1H, s), 7,71(1H, d, J=8,0Hz), 7,91(1H, s), 8,31(1H, s).
7-504	3,56(3H, s), 6,96-7,01(1H, m), 7,06(2H, d, J =7,2Hz), 7,18(1H, t, J =6,8Hz), 7,35(1H, d, J =8,0Hz), 7,45(1H, t, J=8,0Hz), 7,56(2H, s), 7,71(1H, d, J =8,0Hz), 7,91(1H, s), 8,32(1H, s).
7-505	δ 3,57(3H, s), 6,90(2H, t, J =8,8Hz), 7,31-7,35(3H, m), 7,45(1H, t, J =8,0Hz), 7,54(2H, d, J =13,6Hz), 7,69(1H, d, J =8,0Hz), 7,91(1H, s), 8,32(1H, s).
7-522	δ 3,57(3H, s), 7,32-7,37(2H, m), 7,46(1H, t, J =8,0Hz), 7,55(1H, t, J =7,6Hz), 7,59(2H, d, J =8,0Hz), 7,75(1H, d, J =8,0Hz), 7,88(1H, s), 7,92(2H, s), 8,33(1H, s).
7-523	δ 3,56(3H, s), 7,41-7,47(4H, m), 7,53(2H, d, J =8,2Hz), 7,61(1H, s), 7,71-7,72(2H, m), 7,92(1H, s), 8,33(1H, s).
7-538	δ 3,58(3H, s), 7,14(1H, t, J =6,0Hz), 7,40-7,43(2H, m), 7,56-7,58(2H, m), 7,68-7,69(2H, m), 7,92(1H, s), 8,26(1H, s), 8,33(1H, s).

Bảng 52(13)

Số hợp chất	^{1}H-NMR ($CDCl_3$,ppm)
7-804	δ 3,55 (3H, s), 7,19-7,52 (9H, m), 7,62 (1H, d, J =7,8Hz), 8,16 (2H, s).
7-824	δ 3,57 (3H, s), 7,33-7,75 (7H, m), 7,98-7,99 (1H, m), 8,12 (2H, s), 8,18-8,43 (1H, m).
7-825	δ 3,57 (3H, s), 7,22-7,66 (7H, m), 7,85-7,88 (1H, m), 7,97-7,99 (2H, m), 8,17-8,27 (1H, m).
7-840	δ 3,57 (3H, s), 7,13-7,26 (1H, m), 7,40-7,44 (2H, m), 7,58-7,71 (3H, m), 8,18-8,23 (4H, m).
7-948	δ 3,49 (3H, s), 7,23-7,52 (8H, m), 7,66 (2H, s), 8,00 (1H, t, J =6,8Hz).
7-969	δ 3,51 (3H, s), 7,45-7,46 (3H, m), 7,53-7,55 (3H, m), 7,67 (2H, s), 7,92-7,93 (1H, m), 8,05-8,06 (1H, m).
7-984	δ 3,53 (3H, s), 7,13-7,16 (1H, m), 7,20-7,24 (1H, m), 7,52-7,53 (1H, m), 7,65-7,68 (3H, m), 7,99-8,03 (2H, m), 8,28-8,30 (1H, m).
7-1104	δ 3,51 (3H, s), 7,22-7,44 (7H, m), 7,86 (2H, s), 8,00-8,03 (2H, m).
7-1105	δ 3,52 (3H,s), 6,82 (1H, t, J =8,8Hz), 7,06-7,08 (1H, m), 7,18-7,24 (2H, m), 7,40-7,44 (2H, m) 7,87 (3H, s), 8,01-8,05 (1H, m).
7-1106	δ 3,50 (3H,s), 7,00-7,23 (4H, m), 7,29-7,31 (1H, m), 7,45 (1H, s), 7,87 (3H, s), 8,03-8,07 (1H, m).
7-1107	δ 3,49 (3H,s), 6,91-6,93 (2H, m), 7,28-7,44 (4H, m), 7,86 (2H, s), 8,00-8,10 (2H, m).
7-1124	δ 3,52 (3H, s), 7,30-7,34 (2H, m), 7,46-7,59 (3H, m), 7,71 (1H, rộng-s), 7,87 (2H, s), 7,97-8,09 (2H, m).
7-1125	δ 3,52(3H, s), 7,29-7,32(1H, m), 7,45-7,52(5H, m), 7,84(2H, s), 7,95-8,06(2H, m).
7-1126	δ 3,49 (3H,s), 6,72-6,76 (2H, m), 7,16-7,23 (2H, m), 7,43-7,50(1H, m), 7,88 (2H, s), 8,02-8,06 (1H, m), 8,13-8,17(1H, m).
7-1140	δ 3,54(3H, s), 7,13-7,16(1H, m), 7,21-7,26(1H, m), 7,43-7,46(1H, m), 7,52(1H, rộng-s), 7,65-7,69(1H, m), 7,88(2H, s), 8,00-8,04(1H, m), 8,28-8,30(1H, m).
7-1147	δ 3,52 (3H, s), 7,22-7,26 (1H, m), 7,34 (1H, t, J =7,8Hz), 7,46-7,52 (1H, m), 7,62-7,68 (1H, m), 7,87 (2H, s), 7,91-7,95 (1H, m), 8,07-8,11 (1H, m), 8,34 (1H, rộng-s).
7-1182	δ 3,51 (3H, s), 7,22-7,44 (7H, m), 7,85 (2H, s), 8,00-8,03 (2H, m).
7-1183	δ 3,51(3H, s), 6,79-6,83(1H, m), 7,05(1H, t, J =7,8Hz), 7,17-7,23(2H, m), 7,40-7,43(2H, m), 7,85(2H, s), 7,98-8,00(2H, m).
7-1184	δ 3,52(3H, s), 6,99-7,22(4H, m), 7,28-7,30(1H, m), 7,44-7,45(1H, m), 7,88(2H, s), 8,02-8,06(2H, m).

Bảng 52(14)

Số hợp chất	^{1}H-NMR ($CDCl_3$,ppm)
7-1185	δ 3,49(3H, s), 6,91-7,00(2H, m), 7,26-7,44(4H, m), 7,85(2H, s), 8,01-8,10(2H, m).
7-1202	δ 3,52 (3H, s), 7,26-7,32 (1H, m), 7,45-7,52 (5H, m), 7,86 (2H, s), 7,84-7,95 (1H, m), 8,06-8,08 (1H, m).
7-1203	δ 3,52 (3H, s), 7,26-7,32 (1H, m), 7,45-7,52 (5H, m), 7,86 (2H, s), 7,84-7,95 (1H, m), 8,06-8,08 (1H, m).
7-1204	δ 3,51(3H, s), 7,02(1H, t, J =8,8Hz), 7,39-7,44(1H, m), 7,50(1H, t, J =7,4Hz), 7,93(1H, t, J =7,8Hz), 8,02(1H, s), 8,10(2H, s), 8,13(1H, s), 8,68(1H, t, J =8,0Hz).
7-1218	δ 3,52(3H, s), 7,39-7,47(1H, m), 7,96(1H, t, J =8,0Hz), 8,11(2H, s), 8,16(1H, s), 8,33(1H, d, J =7,2Hz), 8,58-8,59(1H, m), 8,68(1H, t, J =7,8Hz), 8,78(1H, s).
7-1225	δ 3,52 (3H, s), 7,22-7,24 (1H, m), 7,32-7,36 (1H, m), 7,46-7,50 (1H, m), 7,66-7,68 (1H, m), 7,85 (2H, s), 7,93-7,96 (1H, m), 8,07-8,11 (1H, m), 8,34 (1H, rộng-s).
7-1260	δ 4,09 (3H, s), 7,21-7,49 (7H, m), 7,99-8,08 (4H, m).
7-1261	δ 3,53 (3H, s), 6,79-6,83 (1H, m), 7,03-7,07 (1H, m), 7,19-7,23 (2H, m), 7,42-7,43 (2H, m), 8,01-8,10 (4H, m).
7-1262	δ 3,51 (3H, s), 6,99-7,00 (1H, m), 7,08-7,14 (2H, m), 7,29-7,33 (2H, m), 7,46-7,47 (1H, m), 8,05-8,12 (4H, m).
7-1263	δ 3,52 (3H, s), 6,88-6,93 (2H, m), 7,29-7,37 (3H, m), 7,46-7,48 (1H, m), 8,04-8,09 (4H, m).
7-1280	δ 3,52 (3H, s), 7,31-7,47 (2H, m), 7,49 (1H, s), 7,57 (2H, m), 7,69 (1H, s), 8,07-8,10 (4H, m).
7-1281	δ 3,53 (3H, s), 7,23-7,52 (6H, m), 7,90-8,09 (4H, m).
7-1282	δ 3,55 (3H, s), 6,72-6,76 (2H, m), 7,17-7,24 (2H, m), 7,48-7,49 (1H, m), 8,04-8,16 (4H, m).
7-1296	δ 3,55 (3H, s), 7,12-7,15 (1H, m), 7,46-7,51 (1H, rộng-s), 7,67-7,69 (1H, m), 8,03-8,12 (5H, m), 8,27-8,29 (1H, m).
7-1303	δ 3,54 (3H, s), 7,20-7,23 (1H, m), 7,35-7,39 (1H, m), 7,52-7,53 (1H, m), 7,65 (1H, s), 7,97 (1H, rộng-s), 8,09-8,14 (3H, m), 8,34-8,35 (1H, m).
7-1338	δ 3,52 (3H, s), 7,10-7,35 (6H, m), 7,45-7,52 (1H, m), 8,02-8,07 (4H, m).
7-1339	δ 3,53(3H, s), 6,80(1H, t, J =8,0Hz), 7,04(1H, t, J =8,0Hz), 7,29-7,32(1H, m), 7,43(1H, t, J =8,0Hz), 7,68-7,71(1H, m), 8,01-8,04(2H, m), 8,09(2H, s), 8,63(1H, s).
7-1340	δ 3,56(3H, s), 7,04-7,08(1H, m), 7,30-7,33(1H, m), 7,43-7,48(2H, m), 7,57(1H, s), 7,64(1H, s), 7,77(1H, d, J=8,0Hz), 7,90(1H, d, J =8,0Hz), 8,07(2H, s).
7-1341	δ 3,52(3H, s), 6,91-6,92(2H, m), 7,30(1H, t, J =8,0Hz), 7,36(2H, s), 7,47(1H, t, J =8,0Hz), 8,00-8,06(2H, m), 8,08(2H, s).

Bảng 52(15)

Số hợp chất	^{1}H-NMR ($CDCl_3$,ppm)
7-1358	δ 3,53 (3H, s), 7,31-7,40 (2H, m), 7,45-7,60 (3H, m), 7,69 (1H, s), 7,99-8,11 (4H, m).
7-1359	δ 3,53 (3H, s), 7,26-7,34 (1H, m), 7,40-7,60 (5H, m), 7,83-7,95 (1H, m), 8,01-8,06 (3H, m).
7-1360	δ 3,55(3H, s), 6,72-6,76(2H, m), 7,22-7,24(1H, m), 7,42-7,44(1H, m), 7,49(1H, t, J =8,0Hz), 8,05(1H, d, J=8,0Hz), 8,10(2H, s), 8,17(1H, d, J =8,0Hz).
7-1374	δ 3,55(3H, s), 7,12-7,15(1H, m), 7,52-7,53(2H, m), 7,68(1H, d, J =8,0Hz), 8,02-8,06(2H, m), 8,11(2H, s), 8,28(1H, s).
7-1381	δ 3,54(3H, s), 7,19-7,22(1H, m), 7,37(1H, t, J =8,0Hz), 7,54(1H, t, J =6,0Hz), 7,66(1H, d, J =6,8Hz), 7,93-7,96(1H, m), 8,09-8,13(3H, m), 8,35(1H, s).
7-1417	δ 3,49 (3H, s), 7,23-7,26 (3H, m), 7,27-7,33 (3H, m), 7,52-7,53 (1H, m), 7,85 (1H, s), 7,96-8,06 (3H, m).
7-1574	δ 3,50(3H, s), 6,99-7,33(6H, m), 7,43-7,45(1H, m), 7,90(1H, s), 7,97-8,06(2H, m), 8,13(1H, s).
7-1575	δ 3,52 (3H, s), 6,82-6,83 (1H, m), 7,06-7,07 (1H, m), 7,19-7,26 (2H, m), 7,39-7,46 (2H, m), 7,91 (1H, s), 7,99-8,01 (1H, m), 8,07-8,14 (2H, m).
7-1576	δ 3,50 (3H, s), 7,01-7,17 (4H, m), 7,27-7,31 (1H, m), 7,46-7,52 (1H, m), 7,91 (1H, s), 8,01-8,05 (2H, m), 8,13 (1H, s).
7-1577	δ 3,50 (3H, s), 6,90-6,94 (2H, m), 7,26-7,35 (3H, m), 7,45-7,46 (1H, m), 7,90 (1H, s), 8,00-8,07 (2H, m), 8,13 (1H, s).
7-1594	δ 3,52(3H, s), 7,29-7,36(2H, m), 7,50(2H, rộng-s), 7,60(1H, rộng-d, J = 6,8Hz), 7,70(1H, rộng-s), 7,91(1H, rộng-s), 8,04-8,07(2H, m), 8,14(1H, s).
7-1595	δ 3,51(3H, s), 7,29-7,31(2H, m), 7,44-7,52(4H, m), 7,92(1H, s), 8,03-8,06(2H, m), 8,14(1H, rộng-s).
7-1596	δ 3,54 (3H, s), 6,75 (2H, rộng-s), 7,17-7,26 (2H, m), 7,50-7,51 (1H, m), 7,92 (1H, s), 8,01-8,05 (1H, m), 8,14-8,20 (2H, m).
7-1605	δ 3,53 (3H, s), 7,41 (1H, t, J =7,8Hz), 7,53-7,55 (1H, m), 7,82-7,86 (3H, m), 7,91 (1H, s), 7,99-8,01 (1H, m), 8,10-8,14 (2H, m).
7-1606	δ 2,53 (3H, s), 7,15-7,17 (1H, m), 7,24-7,28 (1H, m), 7,39-7,41 (1H, m), 7,41-7,44 (1H, m), 7,53-7,56 (1H, m), 7,93 (1H, s), 8,04-8,08 (2H, m), 8,15 (1H, s).
7-1608	δ 3,52 (3H, s), 7,22-7,23 (1H, m), 7,29-7,33 (1H, m), 7,48-7,52 (1H, m), 7,71-7,72 (1H, m), 7,90 (1H, s), 8,00-8,03 (2H, m), 8,13 (1H, s), 8,54-8,55 (2H, m).
7-1610	δ 3,54(3H, s), 7,14-7,17(2H, m), 7,45-7,70(2H, m), 7,96(1H, s), 8,00-8,07(3H, m), 8,28-8,30(1H, m).
7-1616	δ 3,52 (3H, s), 7,27-7,23 (1H, m), 7,35-7,36 (1H, m), 7,49-7,51 (1H, m), 7,68 (1H, d, J =6,8Hz), 7,91 (1H, s), 8,09-8,05 (2H, m), 8,13 (1H, s), 8,30 (1H, s).
7-1617	δ 3,52 (3H, s), 7,23-7,27 (1H, m), 7,33-7,37 (1H, m), 7,47-7,51 (1H, m), 7,67-7,68 (1H, m), 7,91 (1H, s), 8,05-8,09 (1H, m), 8,13 (2H, s), 8,30 (1H, s).

Bảng 52(16)

Số hợp chất	^{1}H-NMR ($CDCl_3$, ppm)
7-1638	δ 3,50 (3H, s), 7,19-7,27 (2H, m), 7,32-7,33 (1H, m), 7,40-7,42 (1H, m), 7,91 (1H, s), 8,00-8,02(1H, m), 7,09-8,11 (1H, m), 8,14 (1H, s), 8,18 (1H, s), 8,56 (1H, d, J =8,8Hz).
7-1639	δ 3,52 (3H, rộng-s), 7,00-7,29 (3H, m), 7,44 (1H, rộng-s), 7,52 (1H, s), 7,91-8,14 (3H, m), 8,51 (2H, rộng-s).
7-1645	δ 3,50 (3H, s), 7,22-7,27 (2H, m), 7,33-7,37 (1H, m), 7,43-7,47 (1H, m), 7,92 (1H, s), 8,02-8,10 (3H, m), 8,15-8,19 (2H, m).
7-1652	δ 3,50 (3H, s), 7,23-7,26 (2H, m), 7,27-7,32 (4H, m), 7,44-7,45 (1H, m), 7,88 (1H, s), 7,98 (1H, t, J=6,8Hz), 8,04-8,08 (1H, m), 8,11 (1H, s).
7-1672	δ 3,51 (3H, s), 7,29-7,35 (2H, m), 7,49-7,50 (2H, m), 7,60 (1H, d, J =6,3Hz), 7,69 (1H, s), 7,89 (1H, s), 8,03-8,06 (2H, m), 8,12 (1H, s).
7-1673	δ 3,52 (3H, s), 7,29-7,32 (1H, m), 7,44-7,52 (5H, m), 7,89 (1H, s), 8,02-8,06 (2H, m), 8,12 (1H, s).
7-1730	δ 3,51 (3H, s), 7,21-7,23 (2H, m), 7,27-7,33 (4H, m), 7,44-7,46 (1H, m), 7,92 (1H, s), 8,00 (1H, t, J=6,3Hz), 8,08-8,09 (1H, m), 8,33 (1H, s).
7-1731	δ 3,51(3H, s), 6,79-6,83(1H, m), 7,05(1H, t, J =7,6Hz), 7,18-7,46(4H, m), 7,94-8,00(2H, m), 8,20(1H, d, J=12,4Hz), 8,34(1H, s).
7-1732	δ 3,50(3H, s), 7,00-7,18(4H, m), 7,27-7,31(1H, m), 7,45-7,48(1H, m), 7,93(1H, s), 8,01-8,03(1H, m), 8,12(1H, rộng-s), 8,34(1H, s).
7-1733	δ 3,50(3H, s), 6,91(2H, s), 6,93-7,35(3H, m), 7,47(1H, t, J =7,0Hz), 7,93(1H, s), 8,01-8,10(1H, m), 8,13(1H, rộng-s), 8,34(1H, s).
7-1750	δ 3,52(3H, s), 7,28-7,71(6H, m), 7,93(1H, s), 8,06(1H, t, J =8,4Hz), 8,34(1H, s), 8,60(1H, s).
7-1751	δ 3,52 (3H, s), 7,32 (1H, t, J =8,3Hz), 7,44-7,52 (5H, m), 7,93 (1H, s), 8,04-8,07 (2H, m), 8,34 (1H, s).
7-1752	δ 3,54(3H, s), 6,74(2H, s), 7,16-7,24(2H, m), 7,50(1H, t, J= 7,4Hz), 7,94(1H, s), 8,01-8,05(1H, m), 8,25(1H, rộng-s), 8,35(1H, s).
7-1764	δ 3,53 (3H, s), 7,20-7,21 (1H, m), 7,32 (1H, t, J =7,8Hz), 7,50 (1H, t, J =7,8Hz), 7,70-7,71 (1H, m), 7,92 (1H, s), 8,01-8,04 (2H, m), 8,33 (1H, s), 8,53-8,54 (2H, m).
7-1766	δ 3,53(3H, s), 7,14-7,17(1H, m), 7,23-7,25(1H, m), 7,54-7,55(1H, m), 7,68(1H, d, J =8,0Hz), 7,95(1H, s), 8,00(1H, t, J =7,0Hz), 8,10-8,20(1H, m), 8,28(1H, d, J =4,8Hz), 8,36(1H, s).
7-1773	δ 3,53(3H, s), 7,19-7,40(3H, m), 7,52-7,53(1H, m), 7,67-7,68(1H, m), 7,93(2H, s), 8,07-8,09(1H, m), 8,32(1H, d, J =14,4Hz), 8,35(1H, s).
7-1794	δ 3,51 (3H, s), 7,18-7,23 (2H, m), 7,32 (1H, t, J =7,8Hz), 7,43-7,46 (1H, m), 7,92 (1H, s), 7,98-8,01 (1H, m), 8,08-8,09 (1H, m), 8,23-8,24 (1H, m), 8,32 (1H, s), 8,56-8,59 (1H, m).
7-1808	δ 3,51 (3H, s), 7,23-7,43 (6H, m), 7,44-7,60 (1H, m), 7,91 (1H, s), 7,98-8,01 (1H, m), 8,10 (1H, rộng-s), 8,32 (1H, s).
7-1809	δ 3,52(3H, s), 6,80(1H, t, J =8,8Hz), 7,06(1H, t, J =3,6Hz), 7,17-7,23(2H, m), 7,39-7,44(1H, m), 7,92-7,93(2H, m), 7,99(1H, t, J =5,2Hz), 8,16(1H, d, J =13,2Hz), 8,33(1H, s).

Bảng 52(17)

Số hợp chất	^{1}H-NMR ($CDCl_3$, ppm)
7-1810	δ 3,48(3H, s), 6,99-7,16(3H, m), 7,28-7,34(2H, m), 7,43-7,45(1H, m), 7,72(1H, t, J =8,0Hz), 7,92(1H, s), 8,00(1H, t, J =8,0Hz), 8,33(1H, s).
7-1811	δ 3,53(3H, s), 6,90(2H, t, J =8,0Hz), 7,28-7,40(3H, m), 7,46(1H, t, J =7,2Hz), 7,92(1H, s), 8,02(1H, t, J=8,0Hz), 8,13(1H, d, J =12,4Hz), 8,33(1H, s).
7-1828	δ 3,52(3H, s), 7,32-7,35(2H, m), 7,49-7,60(3H, m), 7,69(1H, s), 7,92(1H, s), 8,05-8,08(2H, m), 8,36(1H, s).
7-1829	δ 3,53 (3H, s), 7,30-7,34 (1H, m), 7,45-7,52 (5H, m), 7,92 (1H, s), 8,04-8,07 (2H, m), 8,34 (1H, s).
7-1844	δ 3,54(3H, s), 7,15(1H, t, J =5,2Hz), 7,52-7,54(1H, m), 7,68-7,71(2H, m), 7,94(1H, s), 8,00(1H, t, J =5,2Hz), 8,15-8,16(1H, m), 8,28(1H, d, J =4,8Hz), 8,34(1H, s).
7-1851	δ 3,52(3H, s), 7,65(1H, d, J =6,8Hz), 7,92(1H, s), 8,05-8,08(2H, m), 8,11-8,18(3H, m), 8,26-8,31(1H, m), 8,33(1H, s).
7-3348	δ 3,48(3H, s), 7,18-7,30(6H, m), 7,45(1H, rộng-s), 7,52(1H, rộng-s), 7,74-7,76(1H, m), 7,89(1H, s), 8,11(1H, s).
7-3369	δ 3,49(3H, s), 7,18-7,22(1H, m), 7,45-7,53(5H, m), 7,56(2H, rộng-s), 7,92(1H, s), 8,14(1H, s).
7-3384	δ 3,52(3H, s), 7,15-7,20(2H, m), 7,45-7,85(4H, m), 7,92(1H, s), 8,12-8,15(1H, m), 8,27-8,29(1H, m).
7-5902	δ 3,51 (3H, s), 7,00-7,52 (7H, m), 7,88 (1H, d, J =1,5Hz), 8,01-8,06 (3H, m).
7-5903	δ 3,55 (3H, s), 7,14 (1H, dd, J =4,8, 7,8Hz), 7,24-7,26 (1H, m), 7,40-7,60 (1H, m), 7,66-7,68 (1H, m), 7,91 (1H, s), 8,01-8,05 (2H, m), 8,08 (1H, d, J =1,5Hz), 8,28 (1H, dd, J =2,0, 4,8Hz).
7-5904	δ 3,56(3H, s), 7,05-7,09(1H, m), 7,30-7,36(2H, m), 7,43-7,48(2H, m), 7,56(1H, s), 7,65(1H, s), 7,77(1H, d, J=8,0Hz), 7,90(1H, d, J =8,0Hz), 8,07(2H, s).
7-5905	δ 3,57(3H, s), 6,89(1H, t, J =8,0Hz), 7,15(1H, t, J =8,0Hz), 7,32-7,36(2H, m), 7,47(1H, t, J =8,0Hz), 7,53(1H, s), 7,61(1H, s), 7,77(1H, d, J =8,0Hz), 8,09(2H, s), 8,70(1H, rộng-s).
7-5906	δ 3,55(3H, s), 7,00(1H, t, J =8,0Hz), 7,07(2H, d, J =7,8Hz), 7,16-7,22(1H, m), 7,32(1H, d, J =6,8Hz), 7,44(1H, t, J =8,0Hz), 7,57(1H, s), 7,65-7,67(1H, m), 7,74(1H, d, J =8,0Hz), 7,85(2H, s).
7-5907	δ 3,57(3H, s), 6,90(2H, t, J =7,8Hz), 7,29-7,34(3H, m), 7,44(1H, t, J =7,8Hz), 7,49(1H, s), 7,62(1H, s), 7,73(1H, d, J =7,8Hz), 7,85(2H, s).
7-5908	δ 2,99 (3H, s), 3,58 (3H, s), 7,27-7,30 (1H, m), 7,43-7,44 (1H, m), 7,51 (2H, d, J =8,3Hz), 7,65-7,70 (3H, m), 7,81 (2H, d, J =8,3Hz), 7,91 (1H, s), 8,14 (1H, s).
7-5909	δ 3,60 (3H, s), 7,33 (1H, d, J =7,9Hz), 7,50 (1H, t, J =7,9Hz), 7,63 (1H, s), 7,70 (1H, s), 7,75 (1H, d, J=7,9Hz), 7,94 (1H, s), 8,34 (1H, s), 8,65 (2H, s), 9,10 (1H, s).
7-5910	δ 3,53 (3H, s), 3,89 (3H, s), 7,32 (1H, t, J =7,8Hz), 7,48-7,49 (1H, m), 7,83-7,91 (2H, m), 8,01 (1H, t, J=7,3Hz), 8,10-8,14 (3H, m), 8,22-8,23 (1H, m).
7-5911	δ 3,57 (3H, s), 7,20-7,35 (6H, m), 7,41-7,45 (2H, m), 7,53 (1H, s), 7,67 (1H, d, J =7,8Hz), 7,89 (1H, s), 8,11 (1H, s).

Bảng 52(18)

Số hợp chất	^{1}H- NMR ($CDCl_3$, ppm)
7- 5912	δ 3,58 (3H, s), 7,14 (1H, dd, J =4,9, 7,8Hz), 7,42- 7,43 (2H, m), 7,55 (1H, s), 7,59 (1H, dd, J =2,0, 7,8Hz), 7,67- 7,68 (2H, m), 7,91 (1H, s), 8,13 (1H, s), 8,26 (1H, dd, J =2,0, 4,9Hz).
8- 268	δ 3,28 (2/ 3* 3H, s), 3,39 (1/ 3* 3H, s), 7,13- 7,14 (1/ 3* 1H, m), 7,15- 7,17 (1/ 3* 1H, m), 7,34 (1/ 3* 1H, s), 7,36 (1/ 3* 1H, s), 7,46- 7,57 (12/ 3* 1H, m), 7,74- 7,90 (13/ 3* 1H, m), 7,94 (2/ 3* 1H, s), 8,05 (1/ 3* 1H, s), 8,15 (2/ 3* 1H, s), 8,24 (2/ 3* 1H, s).
8- 288	(CDCl3+DMSO- d6) δ 3,30 (3/ 4* 3H, s), 3,40 (1/ 4* 3H, s), 7,10- 7,15 (1/ 4* 1H, m), 7,20- 7,25 (1/ 4* 1H, m), 7,35 (1/ 4* 1H, s), 7,37 (1/ 4* 1H, s), 7,50 (3/ 4* 1H, t, J =7,8Hz), 7,62- 7,66 (6/ 4* 1H, m), 7,82- 7,84 (5/ 4* 1H, m), 7,94 (1/ 4* 1H, s), 7,95 (3/ 4* 1H, s), 8,00 (3/ 4* 1H, t, J =1,5Hz), 8,08- 8,10 (4/ 4* 1H, m), 8,17 (3/ 4* 1H, s), 8,18- 8,19 (1/ 4* 1H, m), 8,32- 8,36 (4/ 4* 1H, m), 8,48 (3/ 4* 1H, t, J =1,5Hz), 10,00 (1/ 4* 1H, s), 10,29 (3/4*1H, s).
8- 289	δ 3,26 (2/ 3* 3H, s), 3,38 (1/ 3* 3H, s), 7,08- 7,09 (1/ 3* 1H, m), 7,12- 7,14 (1/ 3* 1H, m), 7,32 (2/ 3* 1H, d, J=7,8Hz), 7,45- 7,49 (3/ 3* 1H, m), 7,72- 7,76 (9/ * 13H, m), 7,83 (1/ 3* 1H, s), 7,85- 7,89 (4/ 3* 1H, m), 7,95 (2/ 3* 1H, s), 7,98- 8,00 (4/ 3* 1H, m), 8,04 (2/ 3* 1H, d, J =6,3Hz), 8,16 (2/ 3* 1H, s), 8,57 (2/ 3* 1H, s).
8- 304	δ 3,29 (3/ 5* 3H, s), 3,38 (2/ 5* 3H, s), 7,14- 7,18 (4/ 5* 1H, m), 7,37- 7,41 (8/ 5* 1H, m), 7,50- 7,52 (5/ 5* 1H, m), 7,72 (2/ 5* 1H, s), 783- 7,86 (8/ 5* 1H, m), 7,95 (3/ 5* 1H, s), 8,05- 8,07 (4/ 5* 1H, m), 8,14- 8,17 (6/ 5* 1H, m), 8,30 (2/ 5* 1H, s), 8,51- 8,53 (5/ 5* 1H, m), 8,57 (3/ 5* 1H, s).
8- 804	δ 3,31 (3H, s), 7,30- 7,33 (1H, m), 7,48- 7,52 (3H, m), 7,56- 7,60 (1H, m), 7,72- 7,74 (1H, m), 7,86- 7,91 (3H, m), 8,06 (1H, s), 8,22 (2H, s).
8- 824	(DMSO- d6) δ 3,32 (12/ 13* 3H, s), 3,43 (1/ 13* 3H, s), 7,01- 7,02 (1/ 13* 1H, m), 7,20- 7,21 (1/ 13* 1H, m), 7,28 (12/ 13* 1H, d, J =7,8Hz), 7,50 (12/ 13* 1H, t, J =7,8Hz), 7,60- 7,61 (1/ 13* 1H, m), 7,65 (12/ 13* 1H, t, J=7,8Hz), 7,83- 7,84 (13/ 13* 1H, m), 7,85 (1/ 13* 1H, d, J =1,5Hz), 7,94 (12/ 13* 1H, d, J =1,5Hz), 8,10- 8,12 (12/ 13* 1H, m), 8,14 (1/ 13* 2H, s), 8,21- 8,22 (1/ 13* 1H, m), 8,23 (12/ 13* 2H, s), 8,32- 8,35 (13/ 13* 1H, m), 8,47- 8,48 (13/ 13* 1H, m), 10,05 (1/ 13* 1H, s), 10,37 (12/ 13* 1H, s).
8- 840	δ 3,30 (10/ 11* 3H, s), 3,43 (1/ 11* 3H, s), 7,17- 7,18 (1/ 11* 1H, m), 7,19- 7,20 (1/ 11* 1H, m), 7,33- 7,42 (22/ 11* 1H, m), 7,52 (10/ 11* 1H, t, J =7,8Hz), 7,71 (1/ 11* 1H, s), 7,75 (10/ 11* 1H, s), 7,87 (10/ 11* 1H, d, J=8,3Hz), 8,12- 8,13 (1/ 11* 1H, m), 8,14 (1/ 11* 2H, s), 8,17 (10/ 11* 1H, dd, J =2,0,7,8Hz), 8,23 (10/ 11* 2H, s), 8,47- 8,50 (11/ 11* 1H, m), 8,52- 8,53 (11/ 11* 1H, m).
9- 270	δ 2,64 (3/ 4* 3H, s), 3,28 (1/ 4* 3H, s), 3,37 (1/ 4* 3H, s), 3,56 (3/ 4* 3H, s), 6,70- 6,71 (1/ 4* 1H, m), 6,80-6,81 (1/ 4* 1H, m), 7,02- 7,03 (4/ 4* 1H, m), 7,16- 7,26 (16/ 4* 1H, m), 7,34- 7,36 (10/ 4* 1H, m), 7,39- 7,40 (1/ 4* 1H, m), 7,46 (3/ 4* 1H, t, J =7,8Hz), 7,80 (1/ 4* 1H, s), 7,91 (3/ 4* 1H, s), 8,01 (1/ 4* 1H, s), 8,11 (3/ 4* 1H, s).
9- 290	δ 2,88 (2/ 3* 3H, s), 3,33 (1/ 3* 3H, s), 3,37 (1/ 3* 3H, s), 3,56 (2/ 3* 3H, s), 6,70- 6,71 (1/ 3* 1H, m), 6,95-6,98 (2/ 3* 1H, m), 7,10 (2/ 3* 1H, s), 7.28- 7,42 (9/ 3* 1H, m), 7,47- 7,60 (6/ 3* 1H, m), 7,62- 7,63 (4/ 3* 1H, m), 7,86 (1/ 3* 1H, s), 7,93 (2/ 3* 1H, s), 8,08 (1/ 3* 1H, s), 8,14 (2/ 3* 1H, s).
9- 291	δ 2,82 (2/ 3* 3H, s), 3,30 (1/ 3* 3H, s), 3,37 (1/ 3* 3H, s), 3,56 (2/ 3* 3H, s), 6,75- 6,76 (1/ 3* 1H, m), 6,95 (1/ 3* 1H, t, J =7,8Hz), 7,00- 7,01 (1/ 3* 1H, m), 7,06 (2/ 3* 1H, s), 7,28- 7,32 (4/ 3* 1H, m), 7,39- 7,54 (15/ 3* 1H, m), 7,83 (1/ 3* 1H, s), 7,93 (2/ 3* 1H, s), 8,04 (1/ 3* 1H, s), 8,14 (2/ 3* 1H, s).

9- 306	δ 2,89 (2/ 3* 3H, s), 3,30 (1/ 3* 3H, s), 3,36 (1/ 3* 3H, s), 3,57 (2/ 3* 3H, s), 6,96- 6,97 (1/ 3* 1H, m), 7,04-7,05 (2/ 3* 1H, m), 7,13- 7,17 (2/ 3* 1H, m), 7,27- 7,41 (10/ 3* 1H, m), 7,60- 7,63 (3/ 3* 1H, m), 7,81 (1/ 3* 1H, s), 7,94 (2/ 3* 1H, s), 8,02 (1/ 3* 1H, s), 8,15 (2/ 3* 1H, s), 8,24- 8,25 (3/ 3* 1H, m).
9- 2164	δ 2,18- 2,19 (3H, m), 3,48 (3H, s), 7,21- 7,25 (4H, m), 7,32- 7,40 (4H, m), 7,92 (1H, s), 8,13 (1H, s).
9- 2322	δ 2,71- 2,72 (3H, m), 3,47 (3H, s), 6,95- 6,96 (1H, m), 7,11- 7,16 (3H, m), 7,38-7,39 (2H, m), 7,95 (1H, s), 8,02 (1H, s), 8,34 (1H, s).
11- 777	δ 4,88 (2H, s), 7,20- 7,21 (1H, m), 7,36 (1H, t, J =7,8Hz), 7,84- 7,87 (1H, m), 7,92 (1H, s), 8,14- 8,17 (2H, m), 8,36 (1H, rộng- s).
11- 835	δ 4,88 (2H, s), 7,22- 7,23 (1H, m), 7,36 (1H, t, J =7,8Hz), 7,85- 7,88 (1H, m), 7,95 (1H, s), 8,19 (1H, d, J=13,1Hz), 8,36- 8,37 (2H, m).

Bảng 52(19)

Số hợp chất	^{1}H- NMR ($CDCl_3$, ppm)
12-777	δ 3,39 (3H, s), 4,74 (2H, rộng-s), 7,37 (1H, t, J =7,8Hz), 7,52-7,56 (1H, m), 7,92 (1H, s), 8,11-8,14 (2H, m), 8,25 (1H, d, J =14,1Hz).
12-835	δ 3,40 (3H, s), 4,74 (2H, rộng-s), 7,37 (1H, t, J =7,8Hz), 7,55-7,58 (1H, m), 7,95 (1H, s), 8,12-8,13 (1H, m), 8,28-8,31 (1H, m), 8,36 (1H, s).
12-864	δ 3,40 (3H, s), 4,74 (2H, rộng-s), 7,37 (1H, t, J =7,8Hz), 7,52-7,58 (1H, m), 7,93 (1H, s), 8,12-8,15 (1H, m), 8,28-8,34 (2H, m).
17-1103	δ 3,65 (3H, s), 7,28-7,41 (6H, m), 7,77 (1H, t, J =7,8Hz), 7,91 (1H, s), 8,00-8,02 (1H, m), 8,14 (1H, s), 9,39 (1H, s).
22-435	δ 3,63 (3H, s), 4,90 (2H, s), 7,92-7,97 (2H, m), 8,08-8,15(3H, m), 9,72(1H, s).
27-627	δ 3,72 (3H, s), 7,51-7,60 (5H, m), 7,90 (1H, s), 8,05 (1H, s), 8,14 (1H, s), 9,11 (1H, s).
27-628	δ 3,67 (3H, s), 6,99-7,24 (1H, m), 7,29-7,35 (1H, m), 7,52-7,59 (2H, m), 7,90 (1H, s), 8,06 (1H, s), 8,14 (1H, s), 9,08 (1H, s).
27-663	δ 3,63 (3H, s), 7,44-7,47 (1H, m), 7,80 (1H, dd, J =2,0,7,8Hz), 7,90 (1H, s), 8,10 (1H, s), 8,14 (1H, s), 8,58-8,60 (1H, m), 9,04 (1H, s).
32-247	δ 3,77-3,78 (3H, m), 4,96 (2H, s), 7,90 (1H, s), 8,00 (1H, s), 8,14 (1H, s), 9,02 (1H, s).

Chất diệt trừ loài gây hại bao gồm hợp chất theo sáng chế là hoạt chất có thể diệt trừ một cách hiệu quả, ở nồng độ thấp của nó, loài gây hại bất kỳ, chẳng hạn như côn trùng, bao gồm các loài gây hại trong nông nghiệp khác nhau phá hại cây trồng vụ mùa, các cây nông nghiệp/cây cối, và các dạng tương tự, các loài gây hại không vệ sinh tác động bất lợi đến môi trường sống của con người như nhà cửa và dạng tương tự, các loài gây hại hạt bảo quản phá hủy hạt giống và các loại hạt tương tự được bảo quản trong kho chứa, các loài gây hại ăn gỗ phá hủy gỗ như trong các tòa nhà và các công trình tương tự, và các loài ve bét, các loài giáp xác, động vật thân mềm, và giun tròn mà sinh sản và phá hoại theo cách tương tự với côn trùng.

Ví dụ cụ thể về các loài côn trùng, ve bét, các loài giáp xác, động vật thân mềm và giun tròn mà có thể được diệt trừ bằng cách sử dụng hợp chất theo sáng chế bao gồm côn trùng vảy cánh như *Adoxophyes honmai, Adoxophyes orana faciata, Archips breviplicanus, Grapholita inopinata, Archips fuscocupreanus, Grapholita molesta, Choristoneura magnanima, Leguminivora glycinivorella, Olethreutes mori, Caloptilia zachrysa, Argyresthia conjugella, Spulerrina astaurota, matsumuraeses phaseoli, Pandemis heparana, Bucculatrix pyrivorella, Lyonetia clerkella, Carposina niponensis, Lyonetia prunifoliella malinella, Caloptilia theivora, Phyllonorycter ringoniella, Phyllocnistis citrella, Acrolepiopsis sapporensis, Acrolepiopsis suzukiella, Plutella xylostella, Stathmopoda masinissa, Helcystogramma triannulella, Pectinophora gossypiella, Carposina sasakii, Chilo suppressalis, Cnaphalocrocis medinalis, Ephestia elutella, Conogethes punctiferalis, Diaphania indica, Etiella zinckenella, Glyphodes pyloalis, Scirpophaga incertulas, Hellula undalis, Ostrinia furnacalis, Ostrinia scapulalis, Parapediasia teterrella, Parnara guttata, Pieris brassicae, Pieris rapae crucivora, Papilio xuthus, Ascotis selenaria, Pseudoplusia includens, Euproctis pseudoconspersa, Lymantria dispar, Orgyia thyellina, Hyphantria cunea, Lemyra imparilis, Adris tyrannus, Aedia leucomelas, Agrotis ipsilon, Agrotis segetum, Autographa nigrisigna, Ctenoplusia agnata, Cydla pomonella, Helicoverpa armigera, Helicoverpa assulta, Helicoverpa zea, Heliothis virescens, Ostrinia nubilalis, Mamestra brassicae, Mythimna separata, Sesamia inferens, Naranga aenescens, Spodoptera eridania, Spodoptera exigua, Spodoptera frugiperda, Spodoptera littoralis, Spodoptera litura, Spodoptera depravata, Trichoplusia ni, Endopiza viteana, Manduca quinquemaculata, Manduca sexta,* và các loài tương tự;

Côn trùng cánh nửa như *Arboridia apicalis, Balclutha saltuella, Epiacanthus straminus, Empoasca fabae, Empoasca nipponica, Empoasca onukii, Empoasca sakaii, Macrosteles striifrons, Nephotettix cinctinceps, Psuedatomoscelis seriatus, Laodelphax striatella, Nilaparvata lugens, Sogatella furcifera, Diaphorina citri, Psylla pyrisuga, Aleurocanthus spiniferus, Bemisia argentifolii, Bemisia tabaci, Dialeurodes citri, Trialeurodes vaporariorum, Aleurolobus taonabae, Viteus vitifolii, Lipaphis erysimi, Aphis gossypii, Aphis spiraecola, Myzus persicae, Toxoptera aurantii, Drosicha corpulenta, Icerya purchasi, Phenacoccus solani, Pulvinaria aurantii, Planococcus citri, Pseudaonidia duplex, Planococcus kuraunhiae, Pseudococcus comstocki, Comstockaspis perniciosa, Ceroplastes ceriferus, Ceroplastes rubens, Aonidiella aurantii, Fiorinia theae, Pseudaonidia paeoniae, Pseudaulacaspis pentagona, Pseudaulacaspis prunicola, Unaspis euonymi, Unaspis yanonensis, Cimex lectularius, Dolycoris baccarum, Eurydema rugosum, Eysarcoris aeneus, Eysarcoris lewisi, Eysarcoris ventralis, Glaucias subpunctatus, Halyomorpha halys, Nezara antennata, Nezara viridula, Piezodorus hybneri, Plautia crossota, Scotinophora lurida, Cletus punctiger, Leptocorisa chinensis, Riptortus clavatus, Rhopalus msculatus, Cavelerius saccharivorus, Togo hemipterus, Dysdercus cingulatus, Stephanitis pyrioides, Halticus insularis, Lygus lineolaris, Stenodema sibiricum, Stenotus rubrovittatus, Trigonotylus caelestialium,* và các loài tương tự;

Côn trùng cánh cứng như *Anomala cuprea, Anomala rufocuprea, Gametis jucunda, Heptophylla picea, Popillia japonica, Lepinotarsa decemlineata, Epilachna varivestis, Melanotus fortnumi, Melanotus tamsuyensis, Lasioderma serricorne, Lyctusbrunneus, Tomicus piniperda, Rhizopertha dominica, Epuraea domina, Epilachna varivestis, Epilachna vigintioctopunctata, Tenebrio molitor, Tribolium castaneum, Anoplophora malasiaca, Monochamus alternatus, Psacothea hilaris, Xylotrechus pyrrhoderus, Callosobruchus chinensis, Aulacophora femoralis, Oulema oryzae, Chaetocnema concinna, Diabrotica undecimpunctata, Diabrotica virgifera, Diabrotica barberi, Phyllotreta striolata, Psylliodes angusticollis, Rhynchites heros, Cylas formicarius, Anthonomus grandis, Echinocnemus squameus, Euscepes postfasciatus, Hypera postica, Lissohoptrus oryzophilus, Otiorhynchus sulcatus, Sitophilus granarius, Sitophilus zeamais, Sphenophorus venatus vestitus, Paederus fuscipes*, và các loài tương tự;

Côn trùng cánh viền như *Frankliniella intonsa, Thrips flavus, Frankliniella occidentalis, Heliothrips haemorrhoidalis, Scirtothrips dorsalis, Thrips palmi, Thrips tabaci, Ponticulothrips diospyrosi*, và các loài tương tự;

Côn trùng hai cánh như *Asphondylia yushimai, Sitodiplosis mosellana, Bactrocera cucurbitae, Bactrocera dorsalis, Ceratitis capitata, Hydrellia griseola, Drosophila suzukii, Agromyza oryzae, Chromatomyia horticola, Liriomyza bryoniae, Liriomyza chinensis, Liriomyza sativae, Liriomyza trifolii, Delia platura, Delia antique, Pegomya cunicularia, Rhagoletis pomonella, Mayetiola destructor, Musca domestica, Stomoxys calcitrans, Melophagus ovinus, Hypoderma bovis, Hypoderma lineatum, Oestrus ovis, Glossina palpalis, Glossina morsitans, Prosimulium yezoensis, Tabanus trigonus, Telmatoscopus albipunctatus, Leptoconops nipponensis, Culex pipiens pallens, Aedes aegypti, Aedes albopicutus, Anopheles hyracanus sinesis*, và các loài tương tự;

Côn trùng cánh màng như *Apethymus kuri, Athalia rosae, Arge pagana, Neodiprion sertifer, Dryocosmus kuriphilus, Eciton burchelli, Eciton schmitti, Camponotus japonicus, Vespa mandarina, Myrmecia spp., Solenopsis spp., Monomorium pharaonis*, và các loài tương tự;

Côn trùng cánh thẳng như *Teleogryllus emma, Gryllotalpa orientalis, Locusta migratoria, Oxya yezoensis, Schistocerca gregaria*, và các loài tương tự;

Côn trùng bọ đuôi bật như *Onychiurus folsomi, Onychiurus sibiricus, Bourletiella hortensis*, và các loài tương tự;

Côn trùng cánh lưới như *Periplaneta fuliginosa, Periplaneta japonica, Blattella germanica, Periplaneta Americana*, và các loài tương tự;

Côn trùng cánh đều như *Coptotermes formosanus, Reticulitermes speratus, Odontotermes formosanus*, và các loài tương tự;

Côn trùng cánh đều như *Ctenocephalidae felis, Ctenocephalides canis, Echidnophaga gallinacea, Pulex irritans, Xenopsylla cheopis*, và các loài tương tự;

Côn trùng thuộc bộ ăn lông như *Menacanthus stramineus, Bovicola bovis*, và các loài tương tự;

Côn trùng thuộc bộ Anoplura như *Haematopinus eurysternus, Haematopinus suis, Linognathus vituli, Solenopotes capillatus*, và các loài tương tự;

Tarsonemidae như *Phytonemus pallidus, Polyphagotarsonemus latus,*

Tarsonemus bilobatus, và các loài tương tự;

Eupodidae như *Penthaleus erythrocephalus, Penthaleus major*, và các loài tương tự;

Tetranychidae như *Oligonychus shinkajii, Panonychus citri, Panonychus mori, Panonychus ulmi, Tetranychus kanzawai, Tetranychus urticae*, và các loài tương tự;

Eriophydae như *Acaphylla theavagrans, Aceria tulipae, Aculops lycopersici, Aculops pelekassi, Aculus schlechtendali, Eriophyes chibaensis, Phyllocoptruta oleivora*, và các loài tương tự;

Acaridae như *Rhizoglyphus robini, Tyrophagus putrescentiae, Tyrophagus similis*, và các loài tương tự;

Varroidae như *Varroa jacobsoni*, và các loài tương tự;

Ixodidae như *Boophilus microplus, Rhipicephalus sanguineus, Haemaphysalis longicornis, Haemophysalis flava, Haemophysalis campanulata, Ixodes ovatus, Ixodes persulcatus, Amblyomma spp., Dermacentor spp.*, và các loài tương tự;

Cheyletidae như *Cheyletiella yasguri, Cheyletiella blakei*, và các loài tương tự;

Demodicidae như *Demodex canis, Demodex cati*, và các loài tương tự;

Psoroptidae như *Psoroptes ovis*, và các loài tương tự;

Ghẻ (Sarcoptidae) như *Sarcoptes scabiei, Notoedres cati, Knemidocoptes spp.*, và các loài tương tự;

Động vật thân giáp (Crustacea) như *Armadillidium vulgare*, và các loài tương tự;

Lớp chân bụng (Gastropoda) như *Pomacea canaliculata, Achatina fulica, Meghimatium bilineatum, Limax Valentiana, Acusta despecta sieboldiana, Euhadra peliomphala*, và các loài tương tự; và

Lớp giun tròn (Nematoda) như *Prathylenchus coffeae, Prathylenchus penetrans, Prathylenchus vulnus, Globodera rostochiensis, Heterodera glycines, Meloidogyne hapla, Meloidogyne incognita, Aphelenchoides besseyi, Bursaphelenchus xylophilus*, và các loài tương tự, nhưng sáng chế sẽ không bị giới hạn ở những loài này.

Chất diệt trừ loài gây hại bao gồm hợp chất theo sáng chế làm hoạt chất có tác dụng diệt trừ đáng kể chống lại cây trồng vụ mùa có hại được mô tả ở trên mà làm phá hại cây trồng ở vùng đất thấp, cây trồng ở vùng đất cao, cây ăn quả, thực vật, và các cây trồng khác và hoa cây cảnh, và do đó, có tác dụng làm chất diệt trừ loài gây hại

theo sáng chế có thể thu được bằng cách xử lý ruộng lúa nước, thân cây và lá cây, hoặc đất trồng của cây trồng vụ mùa của vùng đất thấp, vùng đất cao, các cây ăn quả, thực vật, các cây trồng khác, hoa cây cảnh, và các cây trồng tương tự trong suốt các mùa trong đó sự xuất hiện của các loài gây hại này được dự định, hoặc trước thời điểm hoặc tại thời điểm khi quan sát thấy sự xuất hiện của loài gây hại này.

Chất diệt trừ loài gây hại bao gồm hợp chất theo sáng chế làm hoạt chất có tác dụng diệt trừ đáng kể chống lại các loài gây hại hạt được bảo quản và các loài tương tự được sinh ra trong quá trình bảo quản sản phẩm thu hoạch. Tức là, chất diệt trừ loài gây hại chứa hợp chất theo sáng chế làm hoạt chất có thể được đem xử lý sau khi thu hoạch (sau thu hoạch) như phun rắc, bao, nhúng, bao phủ, hun khói/xông khói, bơm áp lực, và các cách tương tự liên quan đến sản phẩm thu hoạch và nơi bảo quản sản phẩm thu hoạch.

Ngoài ra, chất diệt trừ loài gây hại chứa hợp chất theo sáng chế làm hoạt chất có thể được áp dụng cho các hạt giống cây để ngăn ngừa sự thiệt hại do các loài gây hại gây ra được sinh ra cho các cây trồng sau khi gieo hạt. Tức là, chất diệt trừ loài gây hại chứa hợp chất theo sáng chế làm hoạt chất có thể được đem lý như phun rắc, nhúng, bao phủ, và các cách tương tự trên các hạt giống cây với lượng hữu hiệu để diệt trừ các loài gây hại, ở dạng pha loãng thích hợp với nước hoặc dạng tương tự, hoặc ở dạng hỗn dịch để đưa hợp chất theo sáng chế tiếp xúc với các hạt giống cây.

Các hạt giống cây dùng để chỉ các hạt giống được sử dụng cho quá trình nhân giống trong nông nghiệp bằng cách dự trữ chất dinh dưỡng cho sự nảy mầm của cây con, và ví dụ về hạt giống bao gồm các hạt giống như ngô, đậu tương, đậu đỏ, bông, thóc, củ cải đường, lúa mì, lúa mạch, hướng dương, cà chua, dưa chuột, cà tím, rau bina, đậu que, bí, mía, thuốc lá, ớt ngọt, hạt cải dầu, và các hạt giống tương tự, thân củ giống như củ khoai sọ, khoai tây, khoai lang, konjac, và các loại củ tương tự, củ như cây hoa huệ tây ăn được, cây hoa uất kim hương, và các loại củ tương tự, và bóng hạt giống (seed ball) như rakkyo và các loại tương tự.

Chất diệt trừ loài gây hại chứa hợp chất theo sáng chế làm hoạt chất có tác dụng diệt trừ đáng kể chống lại các loài gây hại không vệ sinh như loài gây hại hai cánh (*Culex pipiens pallens, Culex pipiens, Chironomidae,* ruồi nhà, muỗi culec, ruồi ngựa, và các loài tương tự), các loài gây hại Dictyoptera (*Blattella germanica*,

Periplaneta fuliginosa, Periplaneta americana, và các loài tương tự), và các loài gây hại khác.

Chất diệt trừ loài gây hại chứa hợp chất theo sáng chế làm hoạt chất có tác dụng diệt trừ đáng kể chống lại các loài gây hại ăn gỗ như mối, *Lyctusbrunneus, Rhizopertha dominica, Anobiidae, Cerambycidae*, và các loài tương tự, như vậy, các loài gây hại ăn gỗ được mô tả ở trên có thể được diệt trừ bằng cách xử lý gỗ, đất, các tòa nhà và các công trình tương tự bằng chất diệt trừ loài gây hại.

Vì hợp chất theo sáng chế có tác dụng diệt trừ chống lại các loài gây hại khác nhau và cũng có tác dụng bảo vệ các cây trồng có ích và có tác dụng diệt trừ tuyệt vời làm thuốc trừ dịch hại hoặc thuốc diệt ve, bọ chét ở liều thấp, nên nó có tác dụng góp phần làm giảm tác động đến môi trường. Ngoài ra, hợp chất theo sáng chế cũng có tác dụng diệt trừ tuyệt vời khi được sử dụng kết hợp với các thuốc trừ dịch hại trong nông nghiệp/làm vườn khác, thuốc diệt ve, bọ chét, thuốc diệt giun tròn, thuốc diệt nấm, thuốc diệt cỏ, chất điều tiết sự phát triển của cây trồng, các hóa chất sinh học dùng trong nông nghiệp, hoặc các thuốc tương tự.

Để sử dụng hợp chất theo sáng chế, hợp chất này có thể được sử dụng trong thực tiễn làm chế phẩm ở dạng bất kỳ như chất cô hòa tan được, chất cô nhũ hóa được, bột thấm ướt được, bột tan được trong nước, hạt phân tán được trong nước, hạt tan được trong nước, chất cô huyền phù, nhũ tương cô đặc, nhũ huyền phù, vi nhũ tương, bột mịn (dustable powder), hạt, viên nén, và gel nhũ hóa được, thông thường bằng cách trộn hợp chất với chất mang rắn hoặc chất mang lỏng thích hợp, ngoài ra nếu muốn bằng cách bổ sung vào hỗn hợp tạo thành, chất hoạt động bề mặt, chất thấm, chất rải, chất làm đặc, chất chống đông, chất kết dính, chất chống đóng bánh, chất làm phân rã, chất khử bọt, khử trùng hoặc chất làm ổn định. Ngoài ra, từ quan điểm tiết kiệm nhân công và làm tăng độ an toàn, hợp chất có thể được đưa vào sử dụng bằng cách bao nang chế phẩm nêu trên ở dạng bất kỳ trong nguyên liệu bao gói tan được trong nước như viên nang tan được trong nước và túi có màng tan được trong nước.

Chất mang trơ mà có thể được sử dụng theo sáng chế có thể là các chất rắn hoặc các chất lỏng, và các ví dụ về chất mang trơ bao gồm bột đậu tương, bột ngũ cốc, bột gỗ, bột vỏ cây, bột mùn cưa, bột thân cây thuốc lá, bột vỏ cây óc chó, cám, bột xenluloza, phần còn lại của quá trình chiết từ thực vật, polyme tổng hợp như nhựa tổng hợp được nghiền thành bột, đất sét (ví dụ, kaolanh, bentonit, đất sét trắng có tính axit),

bột talc (ví dụ, bột talc, pyrophylit, v.v.), silic oxit (ví dụ, đất tảo silic, cát, mica, cacbon trắng [bột silic oxit ngậm nước, silicat tổng hợp có độ phân tán cao được gọi là silicat ngậm nước, ngoài ra còn có sản phẩm chứa canxi silicat làm thành phần chính]), than hoạt tính, bột lưu huỳnh, đá bọt, bột có nhiều tảo cát đã được nung, gạch được nghiền thành bột, tro nhẹ, cát, bột khoáng vô cơ như canxi cacbonat, canxi phosphat, và các bột tương tự, phân bón hóa học như amoni sulfat, amoni phosphat, amoni nitrat, ure, amoni clorua, và các phân bón tương tự, phân trộn, và các phân bón khác, mà được sử dụng riêng rẽ hoặc dưới dạng hỗn hợp của hai hoặc nhiều loại chất mang.

Nguyên liệu có thể được sử dụng làm chất mang trơ cho chất lỏng được chọn từ các nguyên liệu có chức năng làm dung môi, cũng như các nguyên liệu có khả năng phân tán hợp chất hoạt chất với sự trợ giúp của chất phụ gia ngay cả nếu chất mang trơ không có chức năng làm dung môi. Ví dụ minh họa về nguyên liệu này bao gồm chất mang được liệt kê ở dưới đây: nước, rượu (ví dụ, metanol, etanol, isopropanol, butanol, etylen glycol, và các rượu tương tự), keton (ví dụ, axeton, metyl etyl keton, metyl isobutyl keton, điisobutylketon, xyclohexanon, và các keton tương tự), các ete (ví dụ, đietyl ete, đioxan, xenlosolve, điisopropyl ete, tetrahyđrofuran, và các ete tương tự), các hyđrocacbon béo (ví dụ, kerosen, dầu khoáng, và các hyđrocacbon béo tương tự), các hyđrocacbon thơm (ví dụ, benzen, toluen, xylen, dung môi naphta, alkyl naphtalen, và các hyđrocacbon thơm tương tự), các hyđrocacbon đã halogen hóa (ví dụ, điclometan, clorofom, tetraclocacbon, clobenzen, và các hyđrocacbon đã halogen hóa tương tự), este (ví dụ, etyl axetat, butyl axetat, etyl propionat, điisobutyl phtalat, đibutyl phtalat, đioctyl phtalat, và các este tương tự), amit (ví dụ, đimetyl formamit, đietyl formamit, đimetyl axetamit, và các amit tương tự), và nitril (ví dụ, axetonitril, và các nitril tương tự), mà được sử dụng riêng rẽ hoặc dưới dạng hỗn hợp của hai hoặc nhiều loại của chúng.

Các chất mang rắn và lỏng này có thể được sử dụng riêng rẽ hoặc dưới dạng hỗn hợp của hai hoặc nhiều loại chất mang.

Ví dụ về chất hoạt động bề mặt bao gồm các chất hoạt động bề mặt dạng không ion như các ete polyoxyetylen alkyl, các ete polyoxyetylen alkyl (mono- hoặc di-)phenyl, các ete polyoxyetylen (mono-, di-, hoặc tri-)styryl phenyl, các copolyme khối polyoxyetylen-polyoxypropylen, các este của axit béo (mono- hoặc di-) polyoxyetylen, các este của axit béo sorbitan, các este của axit béo polyoxyetylen

sorbitan, các sản phẩm cộng thầu dầu dầu etylen-oxit, axetylen glycol, các rượu axetylen, các sản phẩm cộng axetylen glycol etylen-oxit, các sản phẩm cộng rượu axetylen etylen-oxit, alkylglucosit, và các chất tương tự; các chất hoạt động bề mặt dạng anion như muối este alkyl sulfat, alkylbenzen sulfonat, lignin sulfonat, alkyl sulfosucxinat, naphtalen sulfonat, alkylnaphtalen sulfonat, các muối của phần ngưng naphtalen sulfonat formalin, các muối của phần ngưng alkylnaphtalen sulfonat formalin, các muối este polyoxyetylenalkylete sulfat hoặc phosphat, các polyoxyetylen (mono- hoặc di-) alkylphenyl ete sulfat hoặc este phosphat, các polyoxyetylen (mono-, di-, hoặc tri-) styrylphenyl ete sulfat hoặc este phosphat, các muối của axit polycarboxylic (như muối của axit polyacrylic, muối của axit polymaleic, copolyme axit maleic-olefin, và các chất tương tự), polystyren sulfonat, và các chất tương tự; các chất hoạt động bề mặt dạng cation như muối alkylamin, muối alkyl amoni bậc bốn, và các chất tương tự; các chất hoạt động bề mặt dạng lưỡng tính như các chất hoạt động bề mặt loại axit amin, các chất hoạt động bề mặt loại betain, và các chất tương tự; các chất hoạt động bề mặt gốc silic; và các chất hoạt động bề mặt được flo hóa.

Hàm lượng của các chất hoạt động bề mặt này không bị giới hạn cụ thể, nhưng tốt hơn là thường nằm trong khoảng từ 0,05 phần theo khối lượng đến 20 phần khối lượng, đối với 100 phần khối lượng của chế phẩm theo sáng chế. Ngoài ra, các chất hoạt động bề mặt này có thể được sử dụng riêng rẽ hoặc dưới dạng hỗn hợp của hai hoặc nhiều chất hoạt động bề mặt.

Để diệt trừ các loài gây hại khác nhau, lượng hữu hiệu để diệt trừ bệnh tàn rụi có thể được áp dụng dưới dạng như vậy hoặc dưới dạng pha loãng thích hợp với nước hoặc dung môi tương tự, hoặc dưới dạng huyền phù, vào cây trồng trên đó sự xuất hiện của các loài gây hại tương ứng được dự định hoặc tại các nơi trong đó sự xuất hiện này là không được ưu tiên. Lượng sử dụng tùy thuộc vào các yếu tố khác nhau như, ví dụ, mục đích, loài gây hại cần được diệt trừ, tình trạng phát triển của cây trồng, xu hướng xuất hiện loài gây hại, khí hậu, điều kiện môi trường, chế phẩm, phương pháp sử dụng, nơi sử dụng, thời gian sử dụng, và yếu tố tương tự, nhưng tốt hơn nếu sử dụng hoạt chất với nồng độ nằm trong khoảng từ 0,0001ppm đến 5000ppm, và tốt hơn là từ 0,01ppm đến 1000ppm. Liều lượng mà có thể được sử dụng đối với mỗi 10a thường nằm trong khoảng từ 1 g đến 300 g hoạt chất.

Lượng hoạt chất của hợp chất theo sáng chế thường nằm trong khoảng từ 0,1%

khối lượng đến 20% khối lượng đối với bột, từ 5% khối lượng đến 50% khối lượng đối với chất cô nhũ hóa được, từ 3% khối lượng đến 90% khối lượng đối với bột thấm ướt được, từ 0,1% khối lượng đến 20% khối lượng đối với hạt, từ 5% khối lượng đến 90% khối lượng đối với các chế phẩm dễ chảy, hoặc từ 3% khối lượng đến 90% khối lượng đối với hạt phân tán được trong nước. Lượng chất mang đối với mỗi dạng thường nằm trong khoảng từ 60% khối lượng đến 99,9% khối lượng đối với bột, từ 40% khối lượng đến 95% khối lượng đối với chất cô nhũ hóa được, từ 10% khối lượng đến 90% khối lượng đối với bột thấm ướt được, từ 80% khối lượng đến 99,9% khối lượng đối với hạt, từ 10% khối lượng đến 95% khối lượng đối với chế phẩm dễ chảy, hoặc từ 10% khối lượng đến 90% khối lượng đối với hạt phân tán được trong nước. Ngoài ra, lượng thuốc phù trợ, thường nằm trong khoảng từ 0,1% khối lượng đến 20% khối lượng đối với bột, từ 1% khối lượng đến 20% khối lượng đối với chất cô nhũ hóa được, từ 0,1% khối lượng đến 20% khối lượng đối với bột thấm ướt được, từ 0,1% khối lượng đến 20% khối lượng đối với hạt, từ 0,1% khối lượng đến 20% khối lượng đối với chế phẩm dễ chảy, và từ 0,1% khối lượng đến 20% khối lượng đối với hạt phân tán được trong nước.

Khi hợp chất theo sáng chế được sử dụng làm hóa chất trong nông nghiệp, nó có thể được sử dụng, nếu cần, dưới dạng hỗn hợp với các thuốc diệt cỏ khác, các thuốc trừ dịch hại khác nhau, thuốc diệt ve, bọ chét, thuốc diệt giun tròn, thuốc diệt nấm, chất điều tiết sự sinh trưởng của cây trồng, các chất hiệp đồng, phân bón, các chất điều hòa đất trồng, hoặc các chất tương tự cần được áp dụng trong quá trình điều chế hoặc rắc khô.

Tất cả các tài liệu, đơn yêu cầu cấp patent, và bản mô tả kỹ thuật trích dẫn trong bản mô tả này được đưa vào bản mô tả này bằng cách viện dẫn.

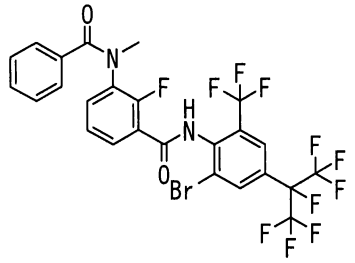
Ví dụ thực hiện sáng chế

Các ví dụ minh họa của sáng chế sẽ được mô tả có dựa vào các ví dụ sau, nhưng sáng chế không bị giới hạn ở các ví dụ này. Trong phần Ví dụ thực hiện sáng chế này, DMF là N,N-đimetyl formamit, THF là tetrahyđrofuran, IPE là isopropyl ete, DMI là 1,3-đimetyl-2-imiđazoliđinon, và DMSO là đimetylsulfoxit.

Ngoài ra, "%" là dựa trên khối lượng trừ khi có quy định khác.

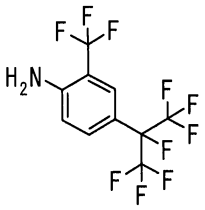
<Ví dụ 1>

Điều chế N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-flo-3-(N-metylbenzamit)benzamit (Hợp chất số 7-1574).



<1-1>

Điều chế 4-(perflopropan-2-yl)-2-(triflometyl)anilin



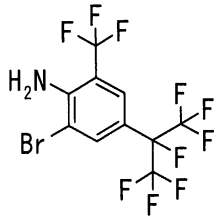
Nạp 100 g (0,608 mol) 2-(triflometyl)anilin, 131 g (0,639 mol) natri hyđrosulfit 85%, và 20,9 g (0,0608 mol) tetrabutylamoni hyđro sulfat vào dung dịch hỗn hợp chứa 1500 ml etyl axetat và 1500 ml nước, và bổ sung 53,9 g (0,639 mol) natri hyđro cacbonat vào hỗn hợp này. Bổ sung từng giọt 198 g (0,669 mol) heptafloisopropyl iođua vào dung dịch này ở nhiệt độ trong phòng, tiếp đó là khuấy ở nhiệt độ trong phòng trong 6 giờ. Sau khi tách chất lỏng, dung môi chứa lớp hữu cơ được làm bay hơi dưới áp suất giảm, và nạp 500 ml etyl axetat vào đó. Bổ sung từng giọt 160 g (0,608 mol) dung dịch hyđro clorua/etyl axetat nồng độ 4M vào đó, tiếp đó là khuấy ở nhiệt độ trong phòng trong 30 phút, và sau đó khuấy ở nhiệt độ 5°C trong 1 giờ. Sau khi lọc, phần dịch lọc lần lượt được rửa bằng nước và natri hyđro cacbonat trong nước bão hoà, và sau đó được làm khô trên magie sulfat khan, và dung môi được làm bay hơi dưới áp suất giảm. Phần cặn thu được được tinh chế bằng sắc ký cột silicagel (dung môi rửa giải: hexan:etyl axetat=10:1) để điều chế 60,0 g (hiệu suất 30%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 4,49 (2H, rộng-s), 6,81 (1H, d, J=8,3 Hz), 7,48 (1H,

d, J=8,3 Hz), 7,64 (1H, s).

<1-2>

Điều chế 2-brom-4-(perflopropan-2-yl)-6-(triflometyl)anilin

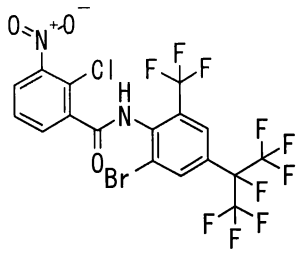


Nạp 100 g (0,273 mol) 4-(perflopropan-2-yl)-2-(triflometyl)anilin vào 500 ml DMF, và nạp 52,1 g (0,287 mol) N-bromsucxinimit theo các phần riêng rẽ vào hỗn hợp đó trong thời gian hơn 30 phút. Sau khi khuấy ở nhiệt độ 60°C trong 2 giờ, và sau đó được làm lạnh tới nhiệt độ trong phòng, hỗn hợp được tháo vào 2000 ml nước. Hỗn hợp này được chiết bằng etyl axetat, sau đó được rửa bằng nước muối bão hoà, và được làm khô trên magie sulfat khan. Dung môi này được làm bay hơi dưới áp suất giảm và phần cặn thu được được tinh chế bằng sắc ký cột silicagel (dung môi rửa giải: hexan:etyl axetat=20:1) để điều chế 89,0 g (hiệu suất 80%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 5,03 (2H, rộng-s), 7,61 (1H, s), 7,79 (1H, s).

<1-3>

Điều chế N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-clo-3-nitrobenzamit



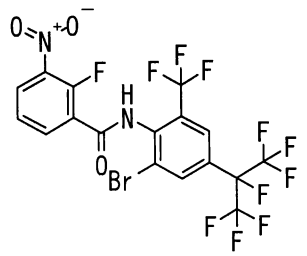
Nạp 3,60 g (8,82mmol) 2-brom-4-(perflopropan-2-yl)-6-(triflometyl)anilin vào 20 ml THF khan, và được làm lạnh tới nhiệt độ -70°C trong môi trường nitơ. Bổ sung từng giọt 4,85 ml (9,70mmol) dung dịch lithi điisopropyl amit hexan nồng độ 2,0 M vào hỗn hợp này, sau đó 2,34 g (10,7mmol) clorua axit mà được điều chế từ axit 2-clo-

3-nitrobenzoic và thionyl clorua được hòa tan trong 5 ml THF khan, và được bổ sung từng giọt vào đó, tiếp đó là khuấy ở nhiệt độ -70°C trong 30 phút và sau đó khuấy ở nhiệt độ trong phòng trong 30 phút. Hỗn hợp được tháo vào dung dịch amoni clorua trong nước, sau đó được chiết bằng etyl axetat, và được làm khô trên magie sulfat khan. Dung môi này được làm bay hơi dưới áp suất giảm và phần cặn thu được được tinh chế bằng sắc ký cột silicagel (dung môi rửa giải: hexan:etyl axetat=10:1→8:2→3:1) để điều chế 1,76 g (hiệu suất: 34%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,61 (1H, t, J=7,8 Hz), 7,67 (1H, rộng-s), 7,93-7,97 (3H, m), 8,18 (1H, rộng-s).

<1-4>

Điều chế N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-flo-3-nitrobenzamit



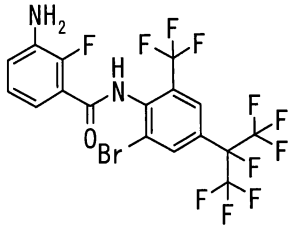
Bổ sung 2,40 g (41,3mmol) kali florua (sản phẩm được sấy phun) vào dung dịch chứa N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-clo-3-nitrobenzamit 4,89 g (8,27mmol) trong 50 ml DMF khan trong dòng chảy nitơ, tiếp đó là khuấy ở nhiệt độ 130°C trong 10 giờ. Tiến hành tách chất lỏng bằng cách bổ sung etyl axetat, hexan, và nước vào hỗn hợp phản ứng, và sau đó lớp hữu cơ được rửa bằng nước và nước muối bão hoà, và được làm khô trên magie sulfat khan. Dung môi này được làm bay hơi dưới áp suất giảm và phần cặn thu được được tinh chế bằng sắc ký cột silicagel (dung môi rửa giải: hexan:etyl axetat=10:1) để điều chế 0,940 g (hiệu suất 20%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,53 (1H, t, J=7,3 Hz), 7,93 (1H, rộng-s), 8,17-8,18 (2H, m), 8,28-8,32 (1H, m), 8,44-8,48 (1H, m).

<1-5>

Điều chế 3-amino-N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-

flobenzamit

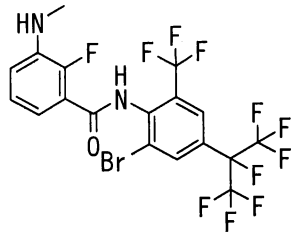


Bổ sung 0,940 g (1,63mmol) N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-flo-3-nitrobenzamit và 0,960 g (5,05mmol) thiếc clorua (khan) vào 10 ml etanol, và bổ sung 1,02 ml (9,78mmol) axit clohyđric đặc vào đó, tiếp đó là khuấy ở nhiệt độ 60°C trong 4 giờ. Hỗn hợp phản ứng được điều chỉnh tới độ pH=10 bằng cách thêm dung dịch natri hyđroxit trong nước, và các chất không tan kết tủa được loại bỏ bằng cách lọc có sử dụng Xelit. Phần dịch lọc trên Xelit được rửa bằng etyl axetat. Phần dịch lọc được chiết bằng etyl axetat, và lớp hữu cơ được rửa bằng dung dịch natri hyđroxit trong nước nồng độ 20% và nước muối bão hoà, và sau đó được làm khô trên magie sulfat khan. Dung môi này được làm bay hơi dưới áp suất giảm và phần cặn thu được được tinh chế bằng sắc ký cột silicagel (dung môi rửa giải: hexan:etyl axetat=4:1) để điều chế 0,930 g (hiệu suất 99%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 3,93 (2H, rộng-s), 6,99-7,04 (1H, m), 7,11 (1H, t, J=7,8 Hz), 7,47-7,49 (1H, m), 7,91 (1H, s), 8,14 (1H, s), 8,28 (1H, d, J=14,6 Hz).

<1-6>

Điều chế N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-flo-3-(metylamino)benzamit

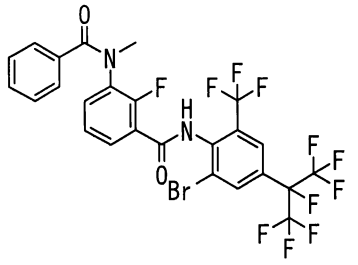


Bổ sung 0,930 g (1,71mmol) 3-amino-N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-flobenzamit vào 5 ml axit sulfuric đặc, và nạp từng giọt 10 ml dung dịch formalđehyt trong nước nồng độ 37% vào hỗn hợp này ở nhiệt độ 40°C.

Hỗn hợp phản ứng được rót vào nước đá-nước, điều chỉnh tới độ pH=10 bằng cách sử dụng dung dịch natri hyđroxit trong nước, và được chiết bằng cách bổ sung etyl axetat. Lớp hữu cơ được rửa bằng dung dịch natri hyđroxit trong nước nồng độ 20% và nước muối bão hoà, và sau đó được làm khô trên magie sulfat khan. Dung môi được làm bay hơi dưới áp suất giảm và phần cặn thu được được tinh chế bằng sắc ký cột silicagel (dung môi rửa giải: hexan:etyl axetat=8:1) để điều chế 0,690 g (hiệu suất 72%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 2,94 (3H, s), 4,14 (1H, rộng-s), 6,88-6,93 (1H, m), 7,18 (1H, t, J=7,8 Hz), 7,37-7,41 (1H, m), 7,90 (1H, s), 8,13 (1H, s), 8,27 (1H, d, J=14,6 Hz).

[1-7] Điều chế N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-flo-3-(N-metylbenzamit)benzamit (Hợp chất số 7-1574)

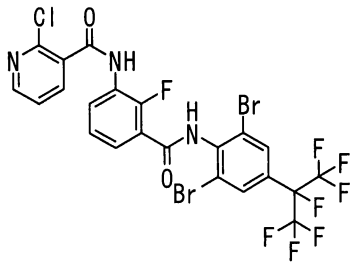


Bổ sung 0,460 g (3,30mmol) benzoyl clorua vào dung dịch chứa 1,54 g (2,75mmol) N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-flo-3-(metylamino)benzamit và 0,330 g (4,13mmol) pyriđin trong 5 ml THF, tiếp đó là khuấy ở nhiệt độ 60°C trong 5 giờ. Bổ sung nước và etyl axetat vào hỗn hợp phản ứng và lớp hữu cơ được rửa bằng axit clohyđric nồng độ 1M, dung dịch natri hyđro cacbonat trong nước bão hoà, và nước muối bão hoà, và sau đó được làm khô trên magie sulfat khan. Dung môi này được làm bay hơi dưới áp suất giảm và phần cặn thu được được tinh chế bằng sắc ký cột silicagel (dung môi rửa giải: hexan:etyl axetat=8:1), và chất rắn thu được được rửa bằng IPE để điều chế 1,45 g (hiệu suất 80%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 3,50 (3H, s), 6,99-7,33 (6H, m), 7,43-7,45 (1H, m), 7,90 (1H, s), 7,97-8,06 (2H, m), 8,13 (1H, s).

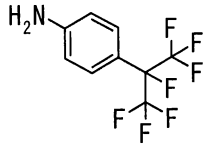
<Ví dụ 2>

Điều chế 2-clo-N-(3-(2,6-đibrom-4-(perflopropan-2-yl)phenylcarbamoyl)-2-flophenyl)nicotinamit (Hợp chất số 6-1140)



<2-1>

Điều chế 4-(perflopropan-2-yl)anilin

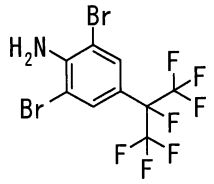


Nạp 100 g (1,02 mol) anilin, 230 g (1,12 mol) natri hyđrosulfit nồng độ 85%, và 35,1 g (0,100 mol) tetrabutylamoni hyđro sulfat vào dung dịch hỗn hợp chứa 1500 ml t-butyl metyl ete và 1500 ml nước, và bổ sung 94,7 g (1,12 mol) natri hyđro cacbonat vào đó. Bổ sung từng giọt 350 g (1,12 mol) heptafloisopropyl iođua vào đó ở nhiệt độ trong phòng, tiếp đó là khuấy ở nhiệt độ trong phòng trong 6 giờ. Sau khi tách chất lỏng, lớp hữu cơ được rửa bằng axit clohyđric nồng độ 1M, nước, và dung dịch natri hyđro cacbonat trong nước bão hoà, và sau đó được làm khô trên natri sulfat khan. Dung môi này được làm bay hơi dưới áp suất giảm, và nạp 500 ml etyl axetat vào đó. Bổ sung từng giọt 255 g (1,02 mol) dung dịch hyđro clorua/etyl axetat nồng độ 4 M vào đó, tiếp đó là khuấy ở nhiệt độ trong phòng trong 30 phút và ở nhiệt độ 5°C trong 1 giờ. Chất rắn kết tủa được tách bằng cách lọc, và nạp chất rắn vào 1000 ml etyl axetat, điều chỉnh tới độ pH = 8 đến 9 bằng cách thêm 1000 ml dung dịch natri hyđro cacbonat trong nước bão hoà ở nhiệt độ 20°C hoặc ở nhiệt độ thấp hơn, và được cho qua phân tách lỏng. Lớp hữu cơ được làm khô trên natri sulfat khan, và sau đó dung môi được làm bay hơi dưới áp suất giảm để điều chế 188 g (hiệu suất 71%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 3,92 (2H, rộng-s), 6,69-6,74 (2H, m), 7,35 (2H, d, J=9,3 Hz).

<2-2>

Điều chế 2,6-đibrom-4-(perflopropan-2-yl)anilin

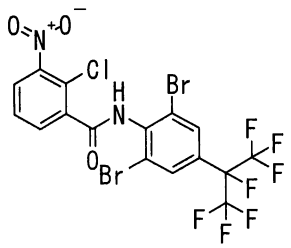


Nạp 216 g (0,802 mol) 4-(perflopropan-2-yl)anilin vào 863 ml DMF, tiếp đó làm lạnh tới nhiệt độ 5°C. Nạp 285 g (1,60 mol) N-bromsucxinimit theo các phần riêng rẽ vào hỗn hợp đó trong thời gian hơn 1 giờ. Hỗn hợp được khuấy ở nhiệt độ trong phòng trong 1 giờ và sau đó được khuấy ở nhiệt độ 37°C trong 2 giờ. Hỗn hợp này được tháo vào 2000 ml nước, được chiết bằng 2000 ml etyl axetat, và được rửa bằng 1000 ml nước muối bão hoà. Sau khi được làm khô trên magie sulfat khan, dung môi được làm bay hơi dưới áp suất giảm. Phần cặn thu được được tinh chế bằng sắc ký cột silicagel (dung môi rửa giải: hexan:etyl axetat=20:1) để điều chế 304 g (hiệu suất 90%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 4,88 (2H, rộng-s), 7,59 (2H, s).

<2-3>

Điều chế 2-clo-N-(2,6-đibrom-4-(perflopropan-2-yl)phenyl)-3-nitrobenzamit



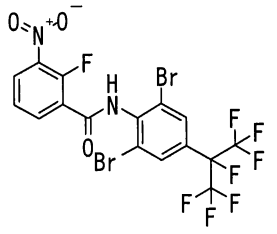
Theo phương pháp trong bước 1-3 của Ví dụ 1, hợp chất đích được điều chế từ 2,6-đibrom-4-(perflopropan-2-yl)anilin.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,58 (1H, t, J=7,8 Hz), 7,66 (1H, rộng-s), 7,90 (2H,

s), 7,93 (1H, dd, J=1,5, 7,8 Hz), 7,98 (1H, d, J=7,8 Hz).

<2-4>

Điều chế N-(2,6-đibrom-4-(perflopropan-2-yl)phenyl)-2-flo-3-nitrobenzamit

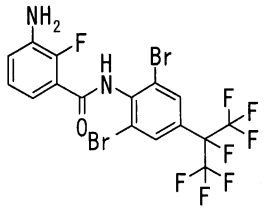


Theo phương pháp trong bước 1-4 của Ví dụ 1, hợp chất đích được điều chế từ 2-clo-N-(2,6-đibrom-4-(perflopropan-2-yl)phenyl)-3-nitrobenzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,51-7,55 (1H, m), 7,90 (2H, s), 8,16 (1H, d, J=11,7 Hz), 8,27-8,31 (1H, m), 8,48 (1H, t, J=6,3 Hz).

<2-5>

Điều chế 3-amino-N-(2,6-đibrom-4-(perflopropan-2-yl)phenyl)-2-flobenzamit

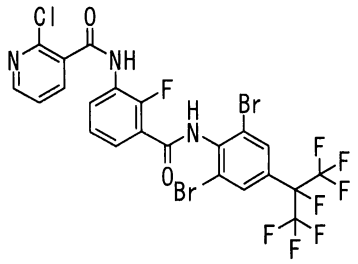


Theo phương pháp trong bước 1-5 của Ví dụ 1, hợp chất đích được điều chế từ N-(2,6-đibrom-4-(perflopropan-2-yl)phenyl)-2-flo-3-nitrobenzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 3,93 (2H, rộng-s), 6,99-7,04 (1H, m), 7,11 (1H, t, J=7,8 Hz), 7,47-7,49 (1H, m), 7,91 (1H, s), 8. 14 (1H, s), 8,28 (1H, d, J=14,6 Hz).

<2-6>

Điều chế 2-clo-N-(3-(2,6-đibrom-4-(perflopropan-2-yl)phenylcarbamoyl)-2-flophenyl)nicotinamit (Hợp chất số 6-1140)

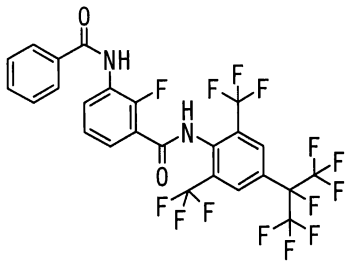


Theo phương pháp trong bước 1-7 của Ví dụ 1, hợp chất đích được điều chế từ 3-amino-N-(2,6-đibrom-4-(perflopropan-2-yl)phenyl)-2-flobenzamit và clorua của axit 2-clonicotinic.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,40-7,49 (2H, m), 7,89 (2H, s), 7,94-7,96 (1H, m), 8,13 (1H, d, J=12,7 Hz), 8,32-8,34 (1H, m), 8,57-8,59 (1H, m), 8,67-8,71 (1H, m), 8,75 (1H, rộng-s).

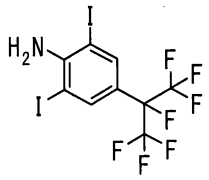
<Ví dụ 3>

Điều chế 3-benzamit-2-flo-N-(4-(perflopropan-2-yl)-2,6-bis(triflometyl) phenyl)benzamit (Hợp chất số 6-2110)



<3-1>

Điều chế 2,6-điiođo-4-(perflopropan-2-yl)anilin



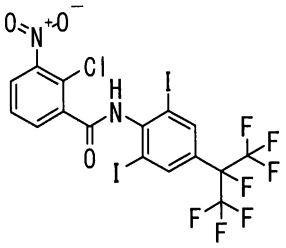
Bổ sung 2,16 g (22,0mmol) axit sulfuric đặc vào dung dịch chứa 5,74 g (22,0mmol) 4-(perflopropan-2-yl)anilin thu được trong bước 2-1 của Ví dụ 2 trong 50 ml etanol ở nhiệt độ 5°C. Làm ấm hỗn hợp phản ứng tới nhiệt độ trong phòng, và bổ sung 10,0 g (44,0mmol) N-iođosucxinimit vào đó, tiếp đó là khuấy trong 3 giờ. Trung

hòa hỗn hợp phản ứng này bằng dung dịch natri hyđro cacbonat trong nước bão hoà. Lọc các tinh thể kết tủa, rửa bằng nước, và sau đó làm khô để điều chế 9,00 g (hiệu suất 80%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 4,95 (2H, rộng-s), 7,79 (2H, s).

<3-2>

Điều chế 2-clo-N-(2,6-điiođo-4-(perflopropan-2-yl)phenyl)-3-nitrobenzamit

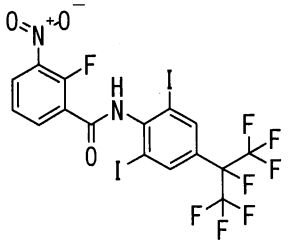


Bổ sung 20,6 g (94,0mmol) 2-clo-3-nitrobenzoyl clorua vào dung dịch chứa 40,0 g (78,0mmol) 2,6-điiođo-4-(perflopropan-2-yl)anilin trong 100 ml DMI, tiếp đó là khuấy ở nhiệt độ 135°C trong 3 giờ. Sau khi làm lạnh tới nhiệt độ trong phòng, hỗn hợp phản ứng được rót vào 1000 ml nước. Sau khi chiết có bổ sung 1000 ml etyl axetat, lớp hữu cơ được rửa bằng nước và sau đó được làm khô trên magie sulfat khan. Dung môi này được làm bay hơi dưới áp suất giảm và phần cặn thu được được rửa bằng hexan để điều chế 56,2 g (hiệu suất 99%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,58 (1H, t, J=8,3 Hz), 7,70 (1H, d, J=3,4 Hz), 7,93 (1H, dd, J=1,5, 6,3 Hz), 8,08-8,10 (1H, m), 8,13 (2H, s).

<3-3>

Điều chế N-(2,6-điiođo-4-(perflopropan-2-yl)phenyl)-2-flo-3-nitrobenzamit

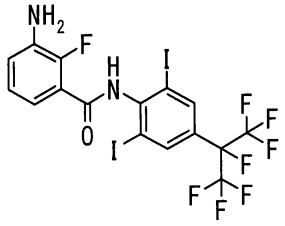


Theo phương pháp trong bước 1-4 của Ví dụ 1, hợp chất đích được điều chế từ 2-clo-N-(2,6-điiođo-4-(perflopropan-2-yl)phenyl)-3-nitrobenzamit.

1H-NMR (CDCl3,ppm) δ 7,52-7,55 (1H, m), 8,12-8,18 (3H, m), 8,29-8,32 (1H, m), 8,48-8,51 (1H, m).

<3-4>

Điều chế 3-amino-N-(2,6-điiođo-4-(perflopropan-2-yl)phenyl)-2-flobenzamit

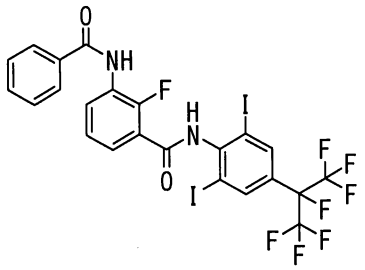


Theo phương pháp trong bước 1-5 của Ví dụ 1, hợp chất đích được điều chế từ N-(2,6-điiođo-4-(perflopropan-2-yl)phenyl)-2-flo-3-nitrobenzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 3,93 (2H, rộng-s), 6,99-7,04 (1H, m), 7,08 (1H, t, J=7,8 Hz), 7,39-7,43 (1H, m), 8,10 (2H, s), 8,72 (1H, d, J=11,2 Hz).

<3-5>

Điều chế 3-benzamit-N-(2,6-điiođo-4-(perflopropan-2-yl)phenyl)-2-flobenzamit (Hợp chất số 6-1260)

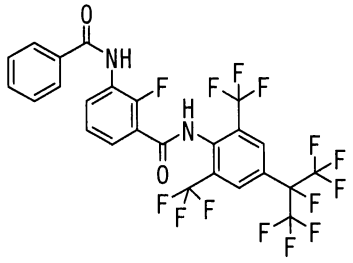


Theo phương pháp trong bước 1-7 của Ví dụ 1, hợp chất đích được điều chế từ 3-amino-N-(2,6-điiođo-4-(perflopropan-2-yl)phenyl)-2-flobenzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,39 (1H, t, J=7,8 Hz), 7,52-7,57(4H, m), 7,60-7,63 (2H, m), 7,93-7,94(4H, m), 8,70 (1H, t, J=6,3 Hz).

<3-6>

Điều chế 3-benzamit-2-flo-N-(4-(perflopropan-2-yl)-2,6-bis(triflometyl) phenyl)benzamit (Hợp chất số 6-2110)

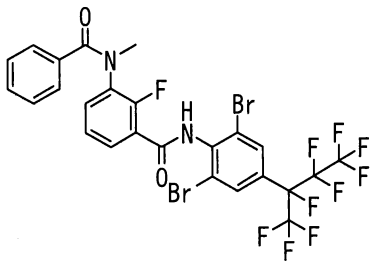


Dung dịch chứa 1,95 g (2,59mmol) 3-benzamit-N-(2,6-điiođo-4-(perflopropan-2-yl)phenyl)-2-flobenzamit, 0,10 g (0,520mmol) đồng iođua, và 1,24 g (6,48mmol) metyl flosulfonyl đifloaxetat trong 50 ml DMF được khuấy ở nhiệt độ 100°C trong 6 giờ. Hỗn hợp phản ứng được làm nguội tới nhiệt độ trong phòng, và sau đó bổ sung 10 ml nước và 100 ml etyl axetat vào đó, tiếp đó là lọc qua Xelit. Lớp hữu cơ chứa chất lỏng được rửa bằng nước và dung dịch natri hyđro cacbonat trong nước bão hoà, và sau đó được làm khô trên magie sulfat khan. Dung môi này được làm bay hơi dưới áp suất giảm và phần cặn thu được được tinh chế bằng sắc ký cột silicagel (dung môi rửa giải: hexan:etyl axetat=1:1). Chất rắn thu được được rửa bằng hexan để điều chế 0,840g (hiệu suất 51%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,36-7,40 (1H, m), 7,53-7,64 (3H, m), 7,84-7,97 (1H, m), 7,92-7,94 (2H, m), 8,04-8,07 (1H, m), 8,08-8,13 (1H, m), 8,20 (2H, s), 8,68-8,72 (1H, m).

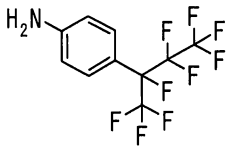
<Ví dụ 4>

Điều chế N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)-2-flo-3-(N-metylbenzamit)benzamit (Hợp chất số 7-1182)



<4-1>

Điều chế 4-(perflobutan-2-yl)anilin

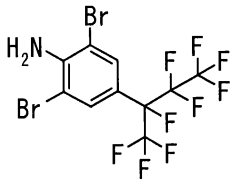


Nạp 4,90 g (52,6mmol) anilin, 10,1 g (58,0mmol) natri hyđrosulfit nồng độ 85%, và 1,90 g (5,77mmol) tetrabutylamoni hyđro sulfat vào dung dịch hỗn hợp chứa 150 ml t-butyl metyl ete và 150 ml nước có sử dụng bình phản ứng chắn ánh sáng, và bổ sung 4,84 g (57,6mmol) natri hyđro cacbonat vào đó. Bổ sung từng giọt 20,0 g (57,8mmol) nonaflo-s-butyliođua vào đó ở nhiệt độ trong phòng, tiếp đó là khuấy ở nhiệt độ trong phòng trong 5 giờ. Pha hữu cơ được thu gom bằng cách tách, rửa hai lần bằng 2 mol/L dung dịch axit clohyđric trong nước, và sau đó được rửa bằng nước muối bão hoà, dung dịch natri hyđro cacbonat trong nước, và nước muối bão hoà. Lớp hữu cơ được làm khô trên magie sulfat khan, và sau đó dung môi này được làm bay hơi dưới áp suất giảm để điều chế 8,32 g (hiệu suất 51%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 3,92 (2H, rộng-s), 6,72 (2H, d, J=8,8 Hz), 7,34 (2H, d, J=8,8 Hz).

<4-2>

Điều chế 2,6-đibrom-4-(perflobutan-2-yl)anilin

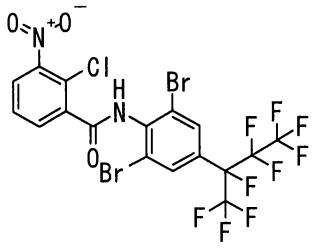


Theo phương pháp trong bước 2-2 của Ví dụ 2, hợp chất đích được điều chế từ 4-(perflobutan-2-yl)anilin.

^{1}H-NMR ($CDCl_3$,ppm) δ 4,89 (2H, rộng-s), 7,57 (2H, s).

<4-3>

Điều chế 2-clo-N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)-3-nitrobenzamit

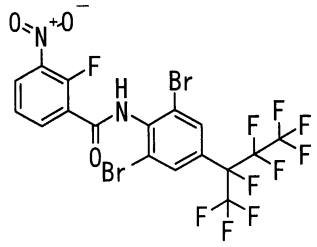


Bổ sung 9,90 g (21,1mmol) 2,6-đibrom-4-(perflobutan-2-yl)anilin và 4,60 g (20,9mmol) 2-clo-3-nitrobenzoyl clorua vào 27 ml DMI, tiếp đó là khuấy ở nhiệt độ 140°C trong 4 giờ. Bổ sung nước và etyl axetat vào dung dịch phản ứng, và pha hữu cơ được chiết, và được rửa bằng 1 mol/L dung dịch natri hyđroxit trong nước, nước muối bão hoà, và được làm khô trên magie sulfat khan. Sau đó, dung môi được làm bay hơi dưới áp suất giảm. Phần cặn thu được được tinh chế bằng sắc ký cột silicagel (dung môi rửa giải: hexan:etyl axetat=20:1→10:1→5:1→3:1) để điều chế 5,44 g (hiệu suất 40%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,52-7,61 (2H, m), 7,89 (2H, s), 7,94 (1H, dd, J=1,5, 8,3 Hz), 7,99 (1H, d, J=7,8 Hz).

<4-4>

Điều chế N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)-2-flo-3-nitrobenzamit



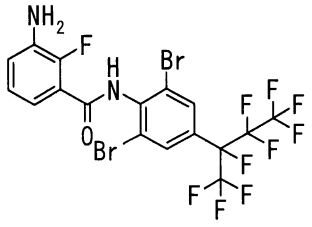
Bổ sung 5,44 g (8,34mmol) 2-clo-N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)-3-nitrobenzamit và 4,90 g (84,3mmol) kali florua (sản phẩm được sấy phun) vào 108 ml DMSO, tiếp đó là khuấy ở nhiệt độ 145°C trong 2 giờ. Dung dịch phản ứng được rót vào nước đá-nước để kết tủa tinh thể, và tinh thể thu được được lọc ra và được rửa bằng hexan. Tinh thể thu được được tinh chế bằng sắc ký cột silicagel (dung môi rửa giải: hexan:etyl axetat=5:1) để điều chế 2,42 g (hiệu suất 46%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,53-7,54 (1H, m), 7,89 (2H, s), 8,17 (1H, d, J=12,2

Hz), 8,29-8,30 (1H, m), 8,48-8,49 (1H, m).

<4-5>

Điều chế 3-amino-N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)-2-flobenzamit

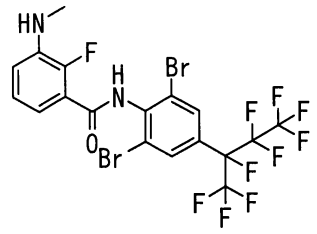


Theo phương pháp trong bước 1-5 của Ví dụ 1, hợp chất đích được điều chế từ N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)-2-flo-3-nitrobenzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 3,92 (2H, rộng-s), 6,99-7,04 (1H, m), 7,11-7,12 (1H, m), 7,48-7,52 (1H, m), 7,86 (2H, s), 8,22 (1H, d, J=14,1 Hz).

<4-6>

Điều chế N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)-2-flo-3-(metylamino) benzamit

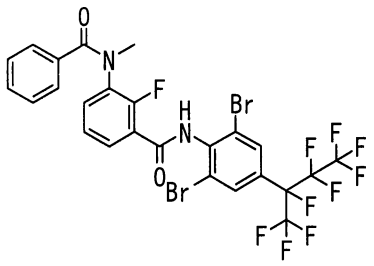


Theo phương pháp trong bước 1-6 của Ví dụ 1, hợp chất đích được điều chế từ 3-amino-N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)-2-flobenzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 2,95 (3H, s), 4,14 (1H, rộng-s), 6,91-6,92 (1H, m), 7,17-7,21 (1H, m), 7,39-7,43 (1H, m), 7,85 (2H, s), 8,21 (1H, d, J=14,1 Hz).

<4-7>

Điều chế N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)-2-flo-3-(N-metylbenzamit)benzamit (Hợp chất số 7-1182)

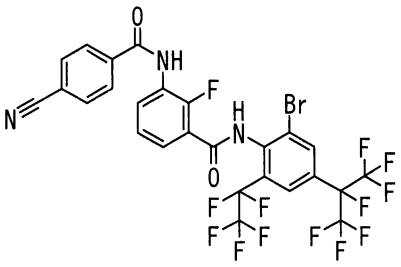


Theo phương pháp trong bước 1-7 của Ví dụ 1, hợp chất đích được điều chế từ N-(2,6-đibrom-4-(perflobutan-2-yl)phenyl)-2-flo-3-(metylamino)benzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 3,51 (3H, s), 7,22-7,44(7 H, m), 7,85 (2H, s), 8,00-8,03 (2H, m).

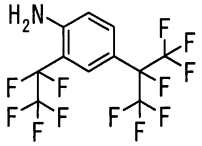
<Ví dụ 5>

Điều chế N-(2-brom-6-(perfloetyl)-4-(perflopropan-2-yl)phenyl)-3-(4-xyanobenzamit)-2-flobenzamit (Hợp chất số 6-5911)



<5-1>

Điều chế 2-(perfloetyl)-4-(perflopropan-2-yl)anilin

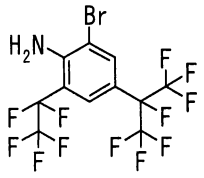


Theo phương pháp trong bước 1-1 của Ví dụ 1, hợp chất đích được điều chế từ 4-(perflopropan-2-yl)anilin thu được trong Ví dụ 2-1 và 1,1,2,2,2-pentafloetyliođua.

^{1}H-NMR ($CDCl_3$,ppm) δ 4,56 (2H, rộng-s), 6,79 (1H, d, J=8,8 Hz), 7,47 (1H, d, J=8,8 Hz), 7,53 (1H, s).

<5-2>

Điều chế 2-brom-6-(perfloetyl)-4-(perflopropan-2-yl)anilin

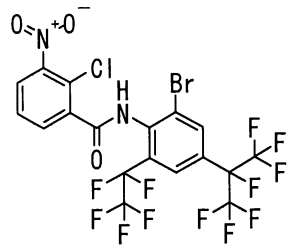


Theo phương pháp trong bước 1-2 của Ví dụ 1, hợp chất đích được điều chế từ 2-(perfloetyl)-4-(perflopropan-2-yl)anilin.

^{1}H-NMR ($CDCl_3$,ppm) δ 5,14 (2H, rộng-s), 7,58 (1H, s), 7,81 (1H, s).

<5-3>

Điều chế N-(2-brom-6-(perfloetyl)-4-(perflopropan-2-yl)phenyl)-2-clo-3-nitrobenzamit

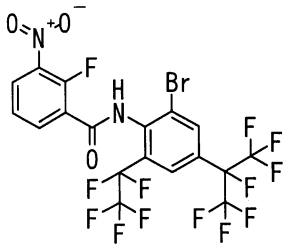


Theo phương pháp trong bước 4-3 của Ví dụ 4, hợp chất đích được điều chế từ 2-brom-6-(perfloetyl)-4-(perflopropan-2-yl)anilin.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,56-7,61 (1H, m), 7,73 (1H, s), 7,88 (1H, d, J=1,5 Hz), 7,92-7,98 (2H, m), 8,21 (1H, s).

<5-4>

Điều chế N-(2-brom-6-(perfloetyl)-4-(perflopropan-2-yl)phenyl)-2-flo-3-nitrobenzamit

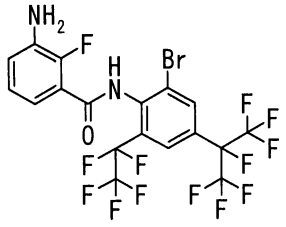


Theo phương pháp trong bước 1-4 của Ví dụ 1, hợp chất đích được điều chế từ N-(2-brom-6-(perfloetyl)-4-(perflopropan-2-yl)phenyl)-2-clo-3-nitrobenzamit.

APCI-MS m/z (M+1):626

<5-5>

Điều chế 3-amino-N-(2-brom-6-(perfloetyl)-4-(perflopropan-2-yl)phenyl)-2-flobenzamit

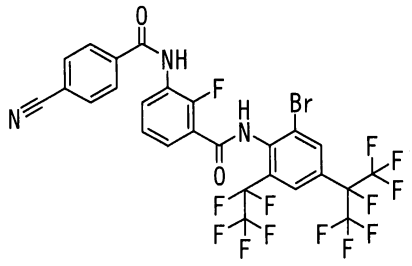


Theo phương pháp trong bước 1-5 của Ví dụ 1, hợp chất đích được điều chế từ N-(2-brom-6-(perfloetyl)-4-(perflopropan-2-yl)phenyl)-2-flo-3-nitrobenzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 3,92 (2H, rộng-s), 6,99-7,04 (1H, m), 7,05-7,18 (1H, m), 7,46-7,51 (1H, m), 7,85 (1H, rộng-s), 8,17 (1H, rộng-s), 8,34 (1H, d, J=15,1 Hz).

<5-6>

Điều chế N-(2-brom-6-(perfloetyl)-4-(perflopropan-2-yl)phenyl)-3-(4-xyanobenzamit)-2-flobenzamit (Hợp chất số 6-5911)

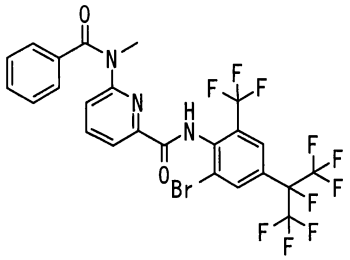


Theo phương pháp trong bước 1-7 của Ví dụ 1, hợp chất đích được điều chế từ 3-amino-N-(2-brom-6-(perfloetyl)-4-(perflopropan-2-yl)phenyl)-2-flobenzamit và 4-xyanobenzoylclorua.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,41 (1H, t, J=8,3 Hz), 7,84-7,87 (3H, m), 7,91-7,95 (1H, m), 8,03-8,05 (2H, m), 8,10 (1H, rộng-s), 8,17-8,20 (2H, m), 8,63-8,67 (1H, m).

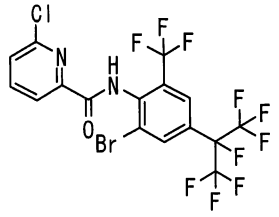
<Ví dụ 6>

Điều chế N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-6-(N-metylbenzamit)picolinamit (Hợp chất số 17-1103)



<6-1>

Điều chế N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-6-clopicolin amit

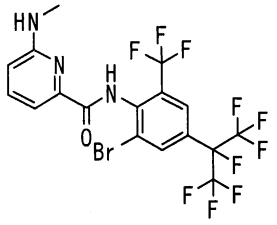


Theo phương pháp trong bước 1-3 của Ví dụ 1, hợp chất đích được điều chế từ clorua của axit 2-clopyriđin-6-carboxylic mà được điều chế từ axit 2-clopyriđin-6-carboxylic và thionyl clorua, và 2-brom-4-(perflopropan-2-yl)-6-(triflometyl)anilin thu được trong bước 1-2 của Ví dụ 1.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,59 (1H, d, J=7,3 Hz), 7,90-7,93 (2H, m), 8,14 (1H, s), 8,20-8,24 (1H, m), 9,60 (1H, s).

<6-2>

Điều chế N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-6-(metylamino)picolinamit



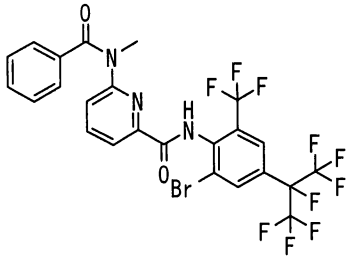
Bổ sung 0,00600 g (0,0360mmol) đồng sulfat và 0,140 g (1,80mmol) dung dịch metylamin trong nước nồng độ 40% vào dung dịch chứa 0,100 g (0,180mmol) N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-6-clopicolin amit trong 5 ml 1,4-

đioxan, tiếp đó là khuấy ở nhiệt độ bể dầu là 80°C trong 3 giờ trong điều kiện kín. Chất lỏng phản ứng được để đến nhiệt độ trong phòng và được mở ra, và bổ sung nước và etyl axetat vào đó. Lớp hữu cơ được rửa bằng nước và nước muối bão hoà, và được làm khô trên magie sulfat khan. Dung môi được làm bay hơi dưới áp suất giảm và phần cặn thu được được tinh chế bằng sắc ký cột silicagel (dung môi rửa giải: hexan:etyl axetat=2:1) để điều chế 0,0700 g (hiệu suất 69%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 2,64 (3H, s), 3,79 (1H, rộng-s), 7,56-7,60 (1H, m), 7,87-7,93 (2H, m), 8,14-8,15 (1H, m), 8,20-8,23 (1H, m), 9,60 (1H, s).

<6-3>

Điều chế N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-6-(N-metylbenzamit)picolinamit (Hợp chất số 17-1103)

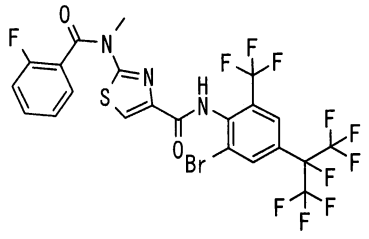


Theo phương pháp trong bước 1-7 của Ví dụ 1, hợp chất đích được điều chế từ N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-6-(metylamino)picolinamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 3,65 (3H, s), 7,28-7,41 (6H, m), 7,77 (1H, t, J=7,8 Hz), 7,91 (1H, s), 8,00-8,02 (1H, m), 8,14 (1H, s), 9,39 (1H, s).

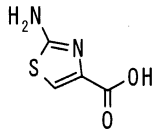
<Ví dụ 7>

Điều chế N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-(2-flo-N-metylbenzamit)thiazol-4-carboxamit (Hợp chất số 27-628)



<7-1>

Điều chế axit 2-aminothiazol-4-carboxylic



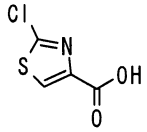
Bổ sung 1,86 g (46,5mmol) natri hyđroxit vào 40 ml dung dịch trong nước chứa 4,00 g (23,2mmol) etyl 2-aminothiazol-4-carboxylat, tiếp đó là khuấy ở nhiệt độ trong phòng trong 5 giờ. Chất lỏng phản ứng được điều chỉnh tới độ pH= 1 bằng cách thêm axit clohyđric đặc, và tinh thể kết tủa được thu gom bằng cách lọc để điều chế 2,84 g (hiệu suất 85%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,18 (2H, rộng-s), 7,38 (1H, s).

Proton của axit carboxylic không được phát hiện.

<7-2>

Điều chế axit 2-clothiazol-4-carboxylic



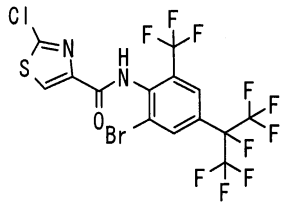
Bổ sung 50 ml axit clohyđric đặc vào dung dịch chứa 2,84 g (19,7mmol) axit 2-aminothiazol-4-carboxylic trong 30 ml 1,4-đioxan, tiếp đó là làm lạnh tới 0°C, và bổ sung từng giọt 10 ml dung dịch trong nước chứa 2,04 g (29,6mmol) natri nitrit vào đó ở nhiệt độ nằm trong khoảng từ 0°C đến 5°C. Chất lỏng phản ứng được khuấy ở nhiệt độ 0°C trong 2 giờ, và sau đó nạp theo các phần riêng rẽ 2,93 g (29,6mmol) đồng clorua vào đó. Chất lỏng phản ứng được để đến nhiệt độ trong phòng, tiếp đó là khuấy trong 8 giờ. Bổ sung nước và etyl axetat vào chất lỏng phản ứng, tiếp đó là chiết bốn lần bằng etyl axetat. Lớp hữu cơ được rửa bằng nước muối bão hoà, và sau đó được làm khô trên magie sulfat khan. Dung môi này được làm bay hơi dưới áp suất giảm để điều chế 1,77 g (hiệu suất 55%) hợp chất đích.

^{1}H-NMR (DMSO-d_6,ppm) δ 8,41 (1H, s).

Proton của axit carboxylic không được phát hiện.

<7-3>

Điều chế N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-clothiazol -4-carboxamit

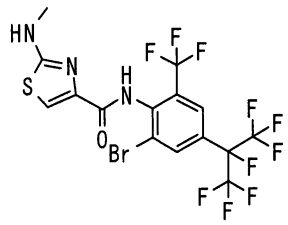


Theo phương pháp trong bước 4-3 của Ví dụ 4, hợp chất đích được điều chế từ 2-clothiazol-4-carbonylclorua được điều chế từ axit 2-clothiazol-4-carboxylic và thionyl clorua, và 2-brom-4-(perflopropan-2-yl)-6-(triflometyl)anilin thu được trong bước 1-2 của Ví dụ 1.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,91 (1H, s), 8,13 (1H, s), 8,19 (1H, s), 8,82 (1H, s).

<7-4>

Điều chế N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-(metylamino)thiazol-4-carboxamit

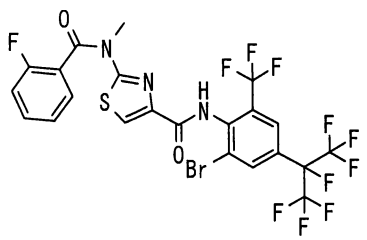


Theo phương pháp trong bước 6-2 của Ví dụ 6, hợp chất đích được điều chế từ N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-clothiazol-4-carboxamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 3,03 (3H, s), 5,11-5,12 (1H, m), 7,50 (1H, s), 7,88 (1H, s), 8,11 (1H, s), 8,99 (1H, s).

<7-5>

Điều chế N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-(2-flo-N-metylbenzamit)thiazol-4-carboxamit (Hợp chất số 27-628)

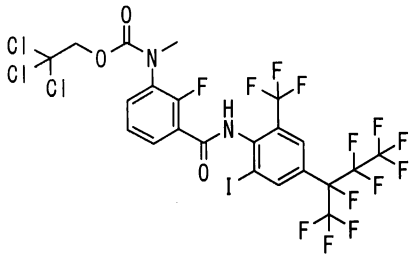


Theo phương pháp trong bước 1-7 của Ví dụ 1, hợp chất đích được điều chế từ N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-(metylamino)thiazol-4-carboxamit và 2-flobenzoyl clorua.

^{1}H-NMR ($CDCl_3$,ppm) δ 3,67 (3H, s), 6,99-7,24 (1H, m), 7,29-7,35 (1H, m), 7,52-7,59 (2H, m), 7,90 (1H, s), 8,06 (1H, s), 8,14 (1H, s), 9,08 (1H, s).

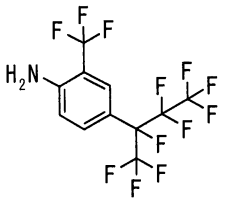
<Ví dụ 8>

Điều chế 2,2,2-tricloetyl 2-flo-3-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl) phenylcarbamoyl)phenyl(metyl)carbamat (Hợp chất số 12-864)



<8-1>

Điều chế 4-(perflobutan-2-yl)-2-(triflometyl)anilin

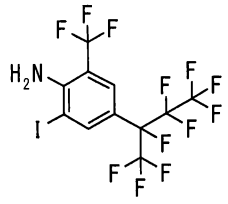


Theo phương pháp trong bước 1-1 của Ví dụ 1, hợp chất đích được điều chế từ 2-(triflometyl)anilin và nonaflo-s-butyliođua trong điều kiện phản ứng chắn ánh sáng.

^{1}H-NMR ($CDCl_3$,ppm) δ 4,49 (2H, rộng-s), 6,81 (1H, d, J=8,8 Hz), 7,47 (1H, d, J=8,8 Hz), 7,61 (1H, s).

<8-2>

Điều chế 2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)anilin

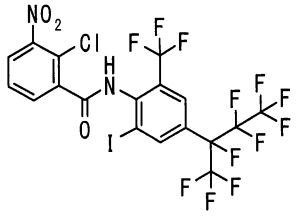


Bổ sung 17,0 g (44,8mmol) 4-(perflobutan-2-yl)-2-(triflometyl)anilin vào 100ml etanol, và bổ sung 5,28 g (53,8mmol) axit sulfuric đặc và 12,6 g (55,8mmol) N-iođosucxinimit vào đó trong điều kiện làm lạnh bằng đá, tiếp đó là khuấy ở nhiệt độ trong phòng trong 1 giờ 30 phút và ở nhiệt độ 40°C trong 4 giờ. Bổ sung dung dịch natri hyđroxit trong nước nồng độ 4 M vào dung dịch phản ứng để trung hòa dung dịch phản ứng, và sau đó bổ sung etyl axetat vào đó để chiết pha hữu cơ. Pha hữu cơ được rửa bằng nước muối bão hoà, và được làm khô trên magie sulfat khan, và sau đó dung môi được làm bay hơi dưới áp suất giảm. Phần cặn thu được được tinh chế bằng sắc ký cột silicagel (dung môi rửa giải: hexan:etyl axetat=10:1) để điều chế 14,6 g (hiệu suất 65%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 5,04 (2H, rộng-s), 7,62 (1H, s), 7,97 (1H, s).

<8-3>

Điều chế 2-clo-N-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)-3-nitrobenzamit

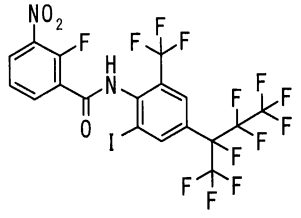


Theo phương pháp trong bước 4-3 của Ví dụ 4, điều chế hợp chất đích từ 2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)anilin.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,60-7,61 (1H, m), 7,77 (1H, s), 7,89-7,96 (2H, m), 8,03-8,04 (1H, m), 8,38 (1H, s).

<8-4>

Điều chế 2-flo-N-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)-3-nitrobenzamit



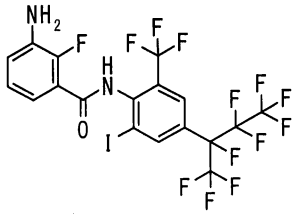
Theo phương pháp trong bước 1-4 của Ví dụ 1, hợp chất đích được điều chế từ

2-clo-N-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)-3-nitrobenzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,53-7,54 (1H, m), 7,95 (1H, s), 8,24-8,32 (2H, m), 8,36 (1H, s), 8,44-8,48 (1H, m).

<8-5>

Điều chế 3-amino-2-flo-N-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenyl) benzamit

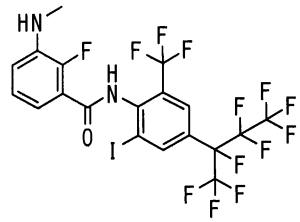


Theo phương pháp trong bước 1-5 của Ví dụ 1, hợp chất đích được điều chế từ 2-flo-N-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)-3-nitrobenzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 3,93 (2H, rộng-s), 7,02-7,03 (1H, m), 7,11-7,13 (1H, m), 7,47-7,51 (1H, m), 7,92 (1H, s), 8,31-8,34 (2H, m).

<8-6>

Điều chế 2-flo-N-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)-3-(metylamino)benzamit

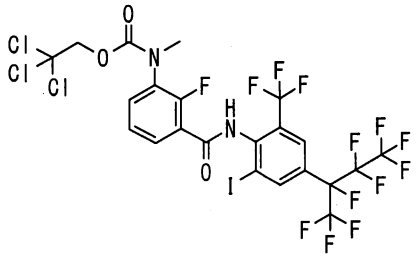


Theo phương pháp trong bước 1-6 của Ví dụ 1, hợp chất đích được điều chế từ 3-amino-2-flo-N-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)benzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 2,95-2,96 (3H, m), 4,15 (1H, rộng-s), 6,91-6,93 (1H, m), 7,19-7,20 (1H, m), 7,38-7,42 (1H, m), 7,92 (1H, s), 8,32 (1H, d, J=14,1 Hz), 8,34 (1H, s).

<8-7>

Điều chế 2,2,2-tricloetyl 2-flo-3-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl) phenylcarbamoyl)phenyl(metyl)carbamat (Hợp chất số 12-864)

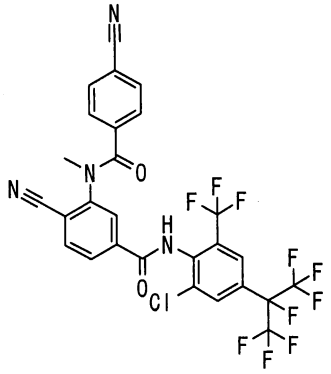


Theo phương pháp trong bước 1-7 của Ví dụ 1, hợp chất đích được điều chế từ 2-flo-N-(2-iođo-4-(perflobutan-2-yl)-6-(triflometyl)phenyl)-3-(metylamino)benzamit và 2,2,2-tricloetoxycarbonylclorua.

^{1}H-NMR ($CDCl_3$,ppm) δ 3,40 (3H, s), 4,74 (2H, rộng-s), 7,37 (1H, t, J=7,8 Hz), 7,52-7,58 (1H, m), 7,93 (1H, s), 8,12-8,15 (1H, m), 8,28-8,34 (2H, m).

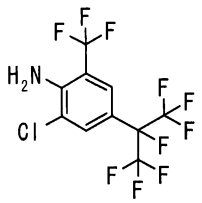
<Ví dụ 9>

Điều chế N-(2-clo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-xyano-3-(4-xyano-N-metylbenzamit)benzamit (Hợp chất số 2-491)



<9-1>

Điều chế 2-clo-4-(perflopropan-2-yl)-6-(triflometyl)anilin



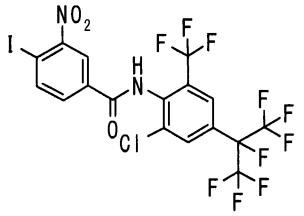
Theo phương pháp trong bước 1-2 của Ví dụ 1, hợp chất đích được điều chế từ 4-(perflopropan-2-yl)-2-(triflometyl)anilin thu được trong 1-1 của Ví dụ 1 và N-closucxinimit.

^{1}H-NMR ($CDCl_3$,ppm) δ 4,97 (2H, rộng-s), 7,57 (1H, s), 7,64 (1H, s).

<9-2>

Điều chế N-(2-clo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-iođo-3-

nitrobenzamit

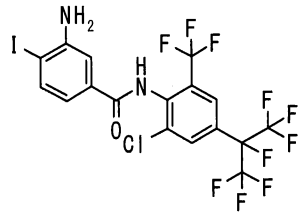


Theo phương pháp trong bước 1-3 của Ví dụ 1, hợp chất đích được điều chế từ axit 4-iođo-3-nitrobenzoyl clorua, được điều chế từ axit 4-iođo-3-nitrobenzoic và thionyl clorua, và 2-clo-4-(perflopropan-2-yl)-6-(triflometyl)anilin.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,52-7,81 (2H, m), 7,89 (1H, s), 8,00 (1H, s), 8,25 (1H, d, J=8,3 Hz), 8,38 (1H, d, J=1,9 Hz).

<9-3>

Điều chế 3-amino-N-(2-clo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-iođobenzamit

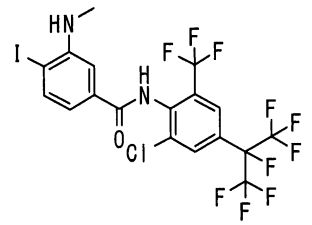


Theo phương pháp trong bước 1-5 của Ví dụ 1, hợp chất đích được điều chế từ N-(2-clo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-iođo-3-nitrobenzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 4,35 (2H, s), 6,92 (1H, dd, J=1,9, 8,3 Hz), 7,29 (1H, d, J=1,9 Hz), 7,60 (1H, s), 7,79 (1H, d, J=8,3 Hz), 7,86 (1H, s), 7,97 (1H, s).

<9-4>

Điều chế N-(2-clo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-iođo-3-(metylamino)benzamit

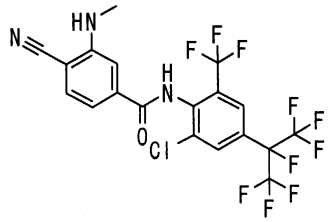


Theo phương pháp trong bước 1-6 của Ví dụ 1, hợp chất đích được điều chế từ 3-amino-N-(2-clo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-iođobenzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 2,97 (3H, s), 4,46 (1H, rộng-s), 6,89 (1H, dd, J=1,9, 8,3 Hz), 7,07 (1H, d, J=1,9 Hz), 7,65 (1H, s), 7,80 (1H, d, J=8,3 Hz), 7,86 (1H, s), 7,97 (1H, s).

<9-5>

Điều chế N-(2-clo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-xyano-3-(metylamino)benzamit

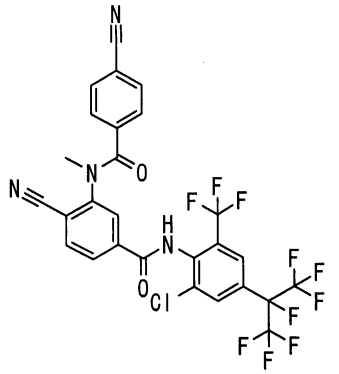


Bổ sung 0,350g (0,560mmol) N-(2-clo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-iođo-3-(metylamino)benzamit và 0,200 g (2,25mmol) đồng (I) xyanua vào 10ml DMF, tiếp đó là khuấy ở nhiệt độ 140°C trong 1 giờ và 30 phút. Rót dung dịch natri thiosulfat bão hoà trong nước vào dung dịch phản ứng để làm ngừng phản ứng, và lớp hữu cơ được thu gom với etyl axetat và được rửa bằng nước muối bão hoà. Lớp hữu cơ được làm khô trên magie sulfat khan, và sau đó dung môi được làm bay hơi dưới áp suất giảm. Phần cặn thu được được tinh chế bằng sắc ký cột silicagel (dung môi rửa giải: hexan:etyl axetat=5:1→3:1) để điều chế 0,250 g (hiệu suất 86%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 3,01(1/2*3H, s), 3,03(1/2*3H, s), 4,89(1/2*1H, s), 4,90(1/2*1H, s), 7,80 (1H, dd, J=1,5, 8,3 Hz), 7,21-7,22 (1H, m), 7,54 (1H, d, J=8,3 Hz), 7,67 (1H, s), 7,88 (1H, s), 7,99 (1H, s).

<9-6>

Điều chế N-(2-clo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-xyano-3-(4-xyano-N-metylbenzamit)benzamit (Hợp chất số 2-491)

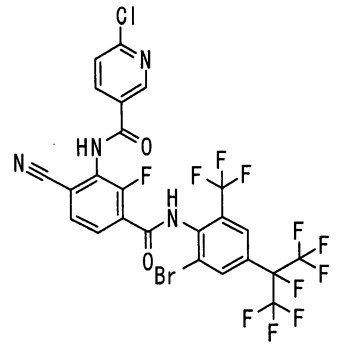


Theo phương pháp trong bước 1-7 của Ví dụ 1, hợp chất đích được điều chế từ N-(2-clo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-xyano-3-(metylamino)benzamit và 4-xyanobenzoylclorua.

^{1}H-NMR ($CDCl_3$,ppm) δ 3,81 (3H, rộng-s), 7,52-7,84 (8H, m), 7,89 (1H, s), 8,00 (1H, s).

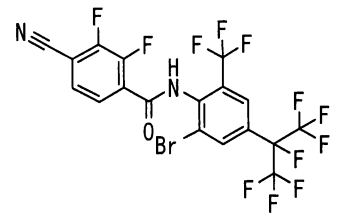
<Ví dụ 10>

Điều chế N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)-6-xyano-2-flophenyl)-6-clonicotinamit (Hợp chất số 1-1968)



<10-1>

Điều chế N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-xyano-2,3-điflobenzamit



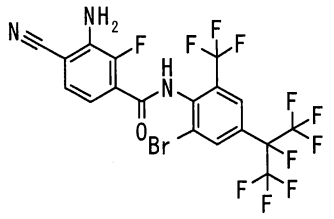
Bổ sung một giọt DMF và 0,470 ml (5,51mmol) oxalyl clorua vào dung dịch chứa 0,840 g (4,59mmol) axit 4-xyano-2,3-điflobenzoic trong 10 ml điclometan, tiếp

đó là khuấy ở nhiệt độ trong phòng trong 1 giờ. Dung môi được làm bay hơi dưới áp suất giảm và bổ sung 4-xyano-2,3-điflobenzoyl clorua thu được vào dung dịch chứa 1,56 g (3,83mmol) 2-brom-4-(perflopropan-2-yl)-6-(triflometyl)anilin thu được trong bước 1-2 của Ví dụ 1 trong 5 ml DMI, tiếp đó là khuấy ở nhiệt độ 130°C trong 5 giờ. Bổ sung nước và etyl axetat vào chất lỏng phản ứng, và lớp hữu cơ được rửa bằng dung dịch natri hyđro cacbonat trong nước bão hoà và nước muối bão hoà, và sau đó được làm khô trên magie sulfat khan. Dung môi được làm bay hơi dưới áp suất giảm và phần cặn thu được được tinh chế bằng sắc ký cột silicagel (dung môi rửa giải: hexan:etyl axetat=1:0→10:1) để điều chế 0,58 g (hiệu suất 27%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,52-7,62 (1H, m), 7,92-7,94 (1H, m), 8,02-8,06 (1H, m), 8,13-8,16 (2H, m).

<10-2>

Điều chế 3-amino-N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-xyano-2-flobenzamit

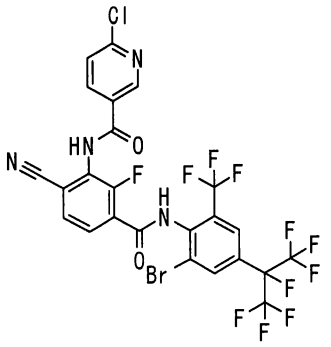


Bổ sung 49,0 mg amoni cacbonat vào dung dịch chứa N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-xyano-2,3-điflobenzamit trong 5 ml DMSO, tiếp đó là khuấy ở nhiệt độ 100°C trong 5 giờ. Bổ sung nước và etyl axetat vào chất lỏng phản ứng, và lớp hữu cơ được rửa bằng nước, và sau đó được làm khô trên magie sulfat khan. Dung môi được làm bay hơi dưới áp suất giảm và phần cặn thu được được tinh chế bằng sắc ký cột silicagel (dung môi rửa giải: hexan:etyl axetat=8:1→4:1) để điều chế 0,30 g (hiệu suất 51%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 4,71 (2H, rộng-s), 7,35-7,39 (1H, m), 7,40-7,44 (1H, m), 7,92 (1H, s), 8,12-8,15 (2H, m).

<10-3>

Điều chế N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenylcarbamoyl)-6-xyano-2-flophenyl)-6-clonicotinamit (Hợp chất số 1-1968)

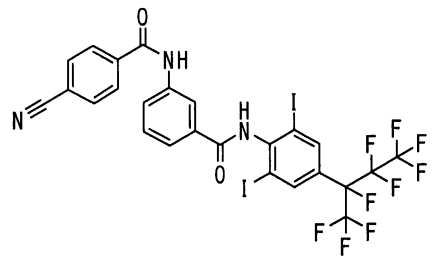


Bổ sung 0,0308 g (0,175mmol) 6-clonicotinoylclorua vào dung dịch chứa 0,0500g (0,0877mol) 3-amino-N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl) -4-xyano-2-flobenzamit trong 0,200 ml DMI, tiếp đó là khuấy ở nhiệt độ 130°C trong 6 giờ. Bổ sung nước và etyl axetat vào chất lỏng phản ứng, và lớp hữu cơ được rửa bằng axit clohyđric nồng độ 1M, dung dịch natri hyđro cacbonat trong nước bão hoà, và nước muối bão hoà, và sau đó được làm khô trên magie sulfat khan. Dung môi được làm bay hơi dưới áp suất giảm và phần cặn thu được được tinh chế bằng sắc ký cột silicagel (dung môi rửa giải: hexan:etyl axetat=2:1) để điều chế 0,0100 g (hiệu suất 16%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,54 (1H, d, J=8,8 Hz), 7,72 (1H, d, J=8,8 Hz), 7,93 (1H, s), 8,09 (1H, s), 8,17-8,18 (2H, m), 8,27 (1H, dd, J=2,4Hz 8,8 Hz), 8,38 (1H, d, J=10,8 Hz), 8,98 (1H, d, J=2,4 Hz).

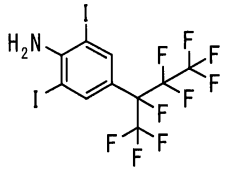
<Ví dụ 11>

Điều chế 3-(4-xyanobenzamit)-N-(2,6-điiođo-4-(perflobutan-2-yl)phenyl) benzamit (Hợp chất số 6-79)



<11-1>

Điều chế 2,6-điiođo-4-(perflobutan-2-yl)anilin

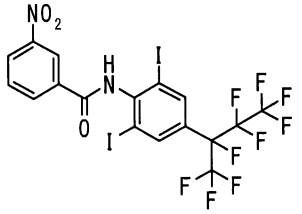


Theo phương pháp trong bước 3-1 của Ví dụ 3, hợp chất đích được điều chế từ 4-(perflobutan-2-yl)anilin thu được trong bước 4-1 của Ví dụ 4.

^{1}H-NMR ($CDCl_3$,ppm) δ 4,95 (2H, rộng-s), 7,78 (2H, s).

<11-2>

Điều chế N-(2,6-điiođo-4-(perflobutan-2-yl)phenyl)-3-nitrobenzamit

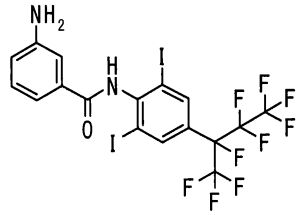


Theo phương pháp trong bước 4-3 của Ví dụ 4, hợp chất đích được điều chế từ 2,6-điiođo-4-(perflobutan-2-yl)anilin và 3-nitrobenzoyl clorua.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,74 (1H, t, J=8,0 Hz), 8,11 (2H, s), 8,42 (1H, d, J=7,6 Hz), 8,46 (1H, d, J=8,4 Hz), 8,90 (1H, d, J=12,4 Hz), 8,92 (1H, s).

<11-3>

Điều chế 3-amino-N-(2,6-điiođo-4-(perflobutan-2-yl)phenyl)benzamit

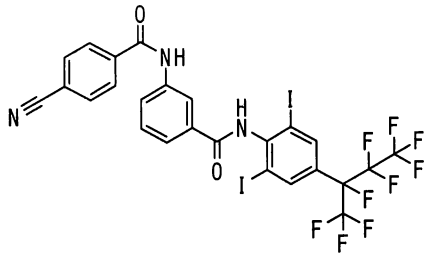


Theo phương pháp trong bước 1-5 của Ví dụ 1, hợp chất đích được điều chế từ N-(2,6-điiođo-4-(perflobutan-2-yl)phenyl)-3-nitrobenzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 5,39 (2H, rộng-s), 6,89-6,93 (1H, m), 7,29-7,31 (3H, m), 7,68 (1H, s), 8,08 (2H, s).

<11-4>

Điều chế 3-(4-xyanobenzamit)-N-(2,6-điiođo-4-(perflobutan-2-yl)phenyl) benzamit (Hợp chất số 6-79)

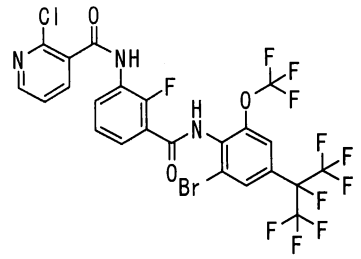


Theo phương pháp trong bước 1-7 của Ví dụ 1, hợp chất đích được điều chế từ 3-amino-N-(2,6-điiođo-4-(perflobutan-2-yl)phenyl)benzamit và 4-xyanobenzoylclorua.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,58 (1H, t, J=8,2 Hz), 7,79-7,83 (3H, m), 7,97 (2H, s), 8,01 (2H, d, J=8,0 Hz), 8,09 (2H, s), 8,18 (1H, s), 8,29 (1H, s).

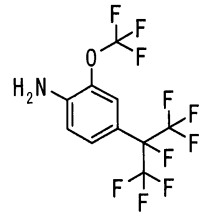
<Ví dụ 12>

Điều chế N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometoxy) phenylcarbamoyl)-2-flophenyl)-2-clonicotinamit (Hợp chất số 6-5908)



<12-1>

Điều chế 4-(perflopropan-2-yl)-2-(triflometoxy)anilin

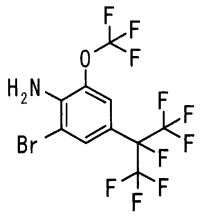


Theo phương pháp trong bước 1-1 của Ví dụ 1, hợp chất đích được điều chế từ 2-triflometoxy anilin.

^{1}H-NMR ($CDCl_3$,ppm) δ 4,19 (2H, rộng-s), 6,86 (1H, d, J=8,8 Hz), 7,30 (1H, d, J=8,8 Hz), 7,36 (1H, s).

<12-2>

Điều chế 2-brom-4-(perflopropan-2-yl)-6-(triflometoxy)anilin

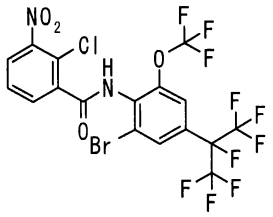


Theo phương pháp trong bước 1-2 của Ví dụ 1, hợp chất đích được điều chế từ 4-(perflopropan-2-yl)-2-(triflometoxy)anilin.

^{1}H-NMR ($CDCl_3$,ppm) δ 4,65 (2H, rộng-s), 7,33 (1H, s), 7,71 (1H, s).

<12-3>

Điều chế N-(2-brom-4-(perflopropan-2-yl)-6-(triflometoxy)phenyl)-2-clo-3-nitrobenzamit

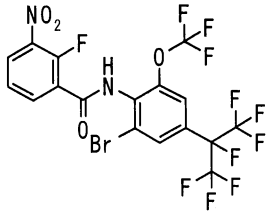


Theo phương pháp trong bước 1-3 của Ví dụ 1, hợp chất đích được điều chế từ 2-brom-4-(perflopropan-2-yl)-6-(triflometoxy)anilin.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,49-7,61 (3H, m), 7,80-7,96 (3H, m).

<12-4>

Điều chế N-(2-brom-4-(perflopropan-2-yl)-6-(triflometoxy)phenyl)-2-flo-3-nitrobenzamit

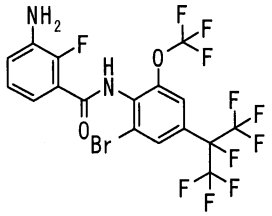


Theo phương pháp trong bước 1-4 của Ví dụ 1, hợp chất đích được điều chế từ N-(2-brom-4-(perflopropan-2-yl)-6-(triflometoxy)phenyl)-2-clo-3-nitrobenzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,53 (1H, t, J=7,8 Hz), 7,60 (1H, rộng-s), 7,89 (1H, d, J=1,5 Hz), 8,07 (1H, broad-d, J=12,7 Hz), 8,29-8,30 (1H, m), 8,43-8,47 (1H, m).

<12-5>

Điều chế 3-amino-N-(2-brom-4-(perflopropan-2-yl)-6-(triflometoxy)phenyl)-2-flobenzamit

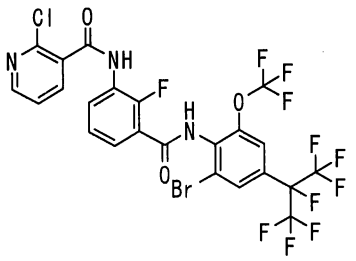


Theo phương pháp trong bước 1-5 của Ví dụ 1, hợp chất đích được điều chế từ N-(2-brom-4-(perflopropan-2-yl)-6-(triflometoxy)phenyl)-2-flo-3-nitrobenzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 3,92 (2H, rộng-s), 6,99-7,04 (1H, m), 7,11 (1H, t, J=7,8 Hz), 7,45-7,49 (1H, m), 7,57 (1H, rộng-s), 7,87 (1H, d, J=2,0 Hz), 8,14 (1H, d, J=14,2 Hz).

<12-6>

Điều chế N-(3-(2-brom-4-(perflopropan-2-yl)-6-(triflometoxy) phenylcarbamoyl)-2-flophenyl)-2-clonicotinamit (Hợp chất số 6-5908)

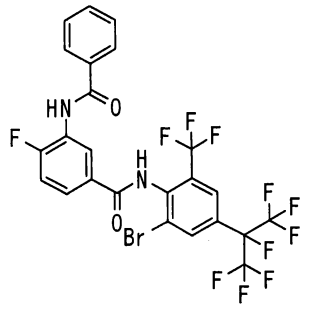


Theo phương pháp trong bước 1-7 của Ví dụ 1, hợp chất đích được điều chế từ 3-amino-N-(2-brom-4-(perflopropan-2-yl)-6-(triflometoxy)phenyl)-2-flobenzamit và 2-clonicotinoylclorua.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,39-7,49 (2H, m), 7,59 (1H, s), 7,88-7,94 (2H, m), 8,07 (1H, d, J=12,2 Hz), 8,31-8,33 (1H, m), 8,57-8,58 (1H, m), 8,60-8,70 (1H, m), 8,74 (1H, rộng-s).

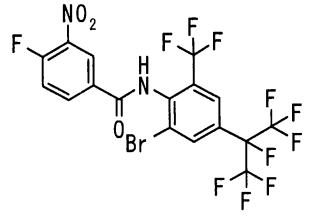
<Ví dụ 13>

Điều chế 3-benzamit-N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-flobenzamit (Hợp chất số 6-3348)



<13-1>

Điều chế N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-flo-3-nitrobenzamit

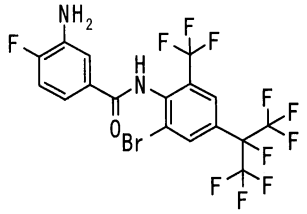


Theo phương pháp trong bước 1-3 của Ví dụ 1, hợp chất đích được điều chế từ 4-flo-3-nitrobenzoyl clorua, được điều chế từ axit 4-flo-3-nitrobenzoic và thionyl clorua, và 2-brom-4-(perflopropan-2-yl)-6-(triflometyl)anilin thu được trong bước 1-2 của Ví dụ 1.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,47-7,50 (1H, m), 7,92 (2H, d, J= 5,9 Hz), 8,16 (1H, s), 8,23-8,28 (1H, m), 8,65-8,67 (1H, m).

<13-2>

Điều chế 3-amino-N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-flobenzamit



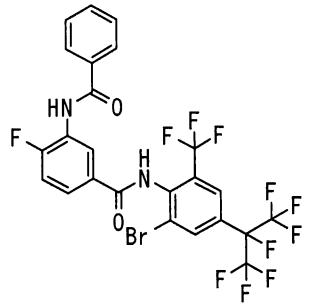
Theo phương pháp trong bước 1-5 của Ví dụ 1, hợp chất đích được điều chế từ N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-flo-3-nitrobenzamit.

APCI-MS m/z (M+1):546

<13-3>

Điều chế 3-benzamit-N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-

4-flobenzamit (Hợp chất số 6-3348)

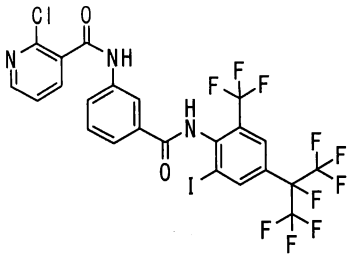


Theo phương pháp trong bước 1-7 của Ví dụ 1, hợp chất đích được điều chế từ 3-amino-N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-flobenzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,29-7,34 (1H, m), 7,53-7,65 (3H, m), 7,80-7,84 (1H, m), 7,90-7,92 (3H, m), 8,14 (1H, rộng-s), 8,20 (1H, d, J=2,9 Hz), 8,25 (1H, rộng-s), 9,10 (1H, dd, J=1,9, 7,3 Hz).

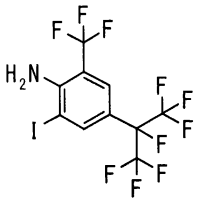
<Ví dụ 14>

Điều chế 2-clo-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl) phenylcarbamoyl)phenyl)nicotinamit (Hợp chất số 6-460)



<14-1>

Điều chế 2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)anilin

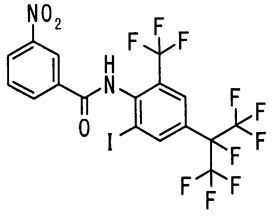


Theo phương pháp trong bước 8-2 của Ví dụ 8, hợp chất đích được điều chế từ 4-(perflopropan-2-yl)-2-(triflometyl)anilin thu được trong bước 1-1 của Ví dụ 1 và N-iođosucxinimit.

^{1}H-NMR ($CDCl_3$,ppm) δ 5,04 (2H, rộng-s), 7,64 (1H, s), 7,99 (1H, s).

<14-2>

Điều chế N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-nitrobenzamit

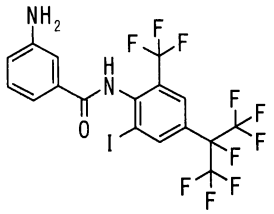


Theo phương pháp trong bước 4-3 của Ví dụ 4, điều chế hợp chất đích từ 2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)anilin và 3-nitrobenzoyl clorua.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,76-7,80 (2H, m), 7,97 (1H, s), 8,28-8,30 (1H, m), 8,37 (1H, s), 8,49-8,52 (1H, m), 8,78 (1H, s).

<14-3>

Điều chế 3-amino-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl) benzamit

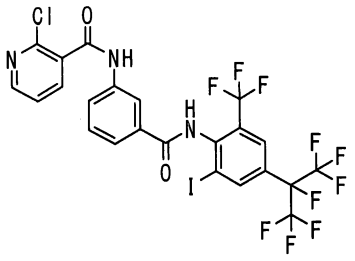


Theo phương pháp trong bước 1-5 của Ví dụ 1, hợp chất đích được điều chế từ N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-nitrobenzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 3,89 (2H, rộng-s), 6,89-6,92 (1H, m), 7,23-7,32 (3H, m), 7,68 (1H, s), 7,93 (1H, s), 8,34-8,36 (1H, m).

<14-4>

Điều chế 2-clo-N-(3-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl) phenylcarbamoyl)phenyl)nicotinamit (Hợp chất số 6-460)

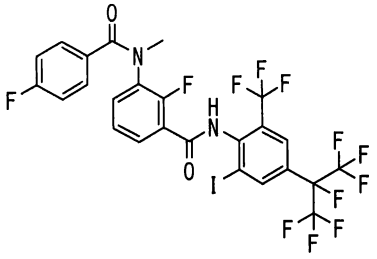


Theo phương pháp trong bước 1-7 của Ví dụ 1, hợp chất đích được điều chế từ 3-amino-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)benzamit và 2-clonicotinoylclorua.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,43-7,46 (1H, m), 7,58 (1H, t, J=7,8 Hz), 7,77 (1H, d, J=7,8 Hz), 7,91-7,95 (2H, m), 8,01 (1H, s), 8,24 (1H, dd, J=2,0, 7,8 Hz), 8,28 (1H, s), 8,36 (1H, s), 8,41 (1H, s), 8,54-8,56 (1H, m).

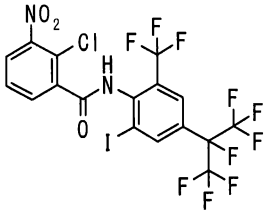
<Ví dụ 15>

Điều chế 2-flo-3-(4-flo-N-metylbenzamit)-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)benzamit (Hợp chất số 7-1733)



<15-1>

Điều chế 2-clo-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-nitrobenzamit

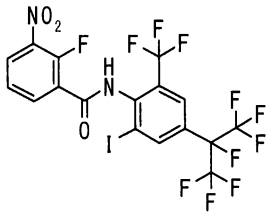


Theo phương pháp trong bước 4-3 của Ví dụ 4, hợp chất đích được điều chế từ 2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)anilin thu được trong bước 14-1 của Ví dụ 14 và 2-clo-3-nitrobenzoyl clorua.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,60 (1H, t, J=7,8 Hz), 7,76 (1H, s), 7,94 (1H, dd, J=1,5, 7,8 Hz), 7,97 (1H, s), 8,03 (1H, dd, J=1,5, 7,8 Hz), 8,39 (1H, s).

<15-2>

Điều chế 2-flo-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-nitrobenzamit

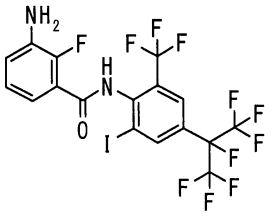


Theo phương pháp trong bước 1-4 của Ví dụ 1, hợp chất đích được điều chế từ 2-clo-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-nitrobenzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,51-7,55 (1H, m), 7,97 (1H, s), 8,23 (1H, d, J=12,2 Hz), 8,28-8,32 (1H, m), 8,37 (1H, s), 8,44-8,48 (1H, m).

<15-3>

Điều chế 3-amino-2-flo-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl) phenyl)benzamit

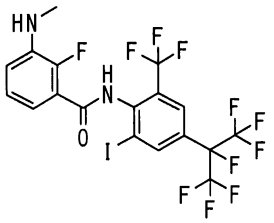


Theo phương pháp trong bước 1-5 của Ví dụ 1, hợp chất đích được điều chế từ 2-flo-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-nitrobenzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 3,92 (2H, rộng-s), 7,02-7,04 (1H, m), 7,11 (1H, t, J=7,8 Hz), 7,47-7,52 (1H, m), 7,94 (1H, s), 8,30-8,35 (2H, m).

<15-4>

Điều chế 2-flo-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-(metylamino)benzamit

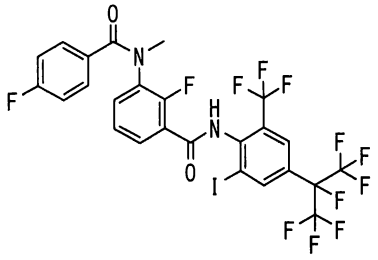


Theo phương pháp trong bước 1-6 của Ví dụ 1, hợp chất đích được điều chế từ 3-amino-2-flo-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)benzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 2,95 (3H, s), 4,15 (1H, rộng-s), 6,90 (1H, t, J=8,2 Hz), 7,19 (1H, t, J=7,8 Hz), 7,40 (1H, t, J=7,8 Hz), 7,92 (1H, s), 8,30 (1H, s), 8,34 (1H, s).

<15-5>

Điều chế 2-flo-3-(4-flo-N-metylbenzamit)-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)benzamit (Hợp chất số 7-1733)

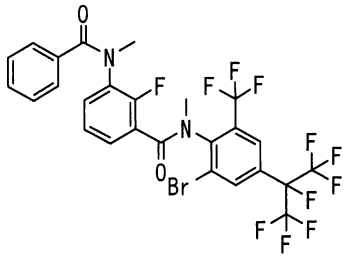


Theo phương pháp trong bước 1-7 của Ví dụ 1, hợp chất đích được điều chế từ 2-flo-N-(2-iođo-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-(metylamino)benzamit và 4-flobenzoyl clorua.

^{1}H-NMR ($CDCl_3$,ppm) δ 3,50 (3H, s), 6,91 (2H, s), 6,93-7,35 (3H, m), 7,46 (1H, t, J=7,0 Hz), 7,93 (1H, s), 8,01-8,10 (1H, m), 8,13 (1H, rộng-s), 8,34 (1H, s).

<Ví dụ 16>

Điều chế N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-flo-N-metyl-3-(N-metylbenzamit)benzamit (Hợp chất số 9-2164)



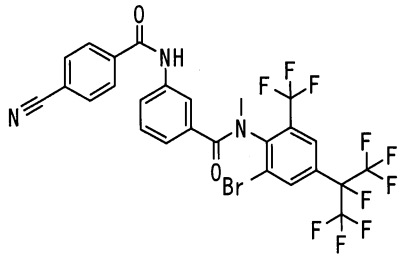
Bổ sung 0,00900 g (0,230mmol) natri hyđrua (nồng độ 60% trong dầu) vào dung dịch chứa 0,100 g (0,150mmol) N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-2-flo-3-(N-metylbenzamit)benzamit thu được trong bước 1-7 của Ví dụ 1 trong 5 ml DMF, tiếp đó là khuấy ở nhiệt độ trong phòng trong 40 phút. Bổ

sung 0,0300 g (0,180mmol) metyl iođua vào chất lỏng phản ứng, tiếp đó là khuấy ở nhiệt độ này trong 6 giờ. Bổ sung nước và etyl axetat vào chất lỏng phản ứng, và lớp hữu cơ được rửa bằng nước và nước muối bão hoà, và được làm khô trên magie sulfat khan. Dung môi được làm bay hơi dưới áp suất giảm và phần cặn thu được được tinh chế bằng sắc ký cột silicagel (dung môi rửa giải: hexan:etyl axetat=4:1) để điều chế 0,106 g hợp chất đích một cách định lượng.

^{1}H-NMR ($CDCl_3$,ppm) δ 2,18-2,19 (3H, m), 3,48 (3H, s), 7,21-7,25(4H, m), 7,32-7,40(4H, m), 7,92 (1H, s), 8,13 (1H, s).

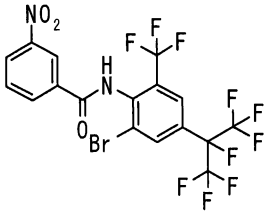
<Ví dụ 17>

Điều chế N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-(4-xyanobenzamit)-N-metylbenzamit (Hợp chất số 8-289)



<17-1>

Điều chế N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-nitrobenzamit

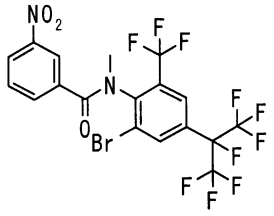


Theo phương pháp trong bước 4-3 của Ví dụ 4, hợp chất đích được điều chế từ 2-brom-4-(perflopropan-2-yl)-6-(triflometyl)anilin thu được trong 1-2 của Ví dụ 1 và 3-nitrobenzoyl clorua.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,75-7,79 (2H, m), 7,94 (1H, s), 8,17 (1H, d, J=1,0 Hz), 8,28 (1H, dd, J=1,5, 7,8 Hz), 8,48-8,51 (1H, m), 8,76-8,77 (1H, m).

<17-2>

Điều chế N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-N-metyl-3-nitrobenzamit

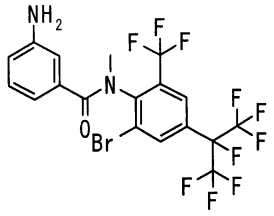


Theo phương pháp nêu trong Ví dụ 16, hợp chất đích được điều chế từ N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-nitrobenzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 3,28(1/2*3H, s), 3,44(1/2*3H, s), 7,41(1/2*1H, t, J=7,8 Hz), 7,71-7,76(2/2*1H, m), 7,84(1/2*1H, s), 7,93-7,95(1/2*1H, m), 7,98(1/2*1H, s), 8,07-8,09(2/2*1H, m), 8,14-8,16(1/2*1H, m), 8,19(1/2*1H, s), 8,39-8,41(1/2*1H, m), 8,45-8,46(1/2*1H, m).

<17-3>

Điều chế 3-amino-N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-N-metylbenzamit



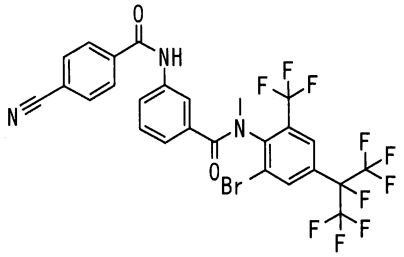
Theo phương pháp trong bước 1-5 của Ví dụ 1, hợp chất đích được điều chế từ N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-N-metyl-3-nitrobenzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 3,24(3/4*3H, s), 3,37(1/4*3H, s), 3,80 (2H, rộng-s), 6,47(1/4*1H, d, J=7,8 Hz), 6,54-6,57(1/4*1H, m), 6,78-6,84(5/4*1H, m), 6,86(3/4*1H, t, J=2,0 Hz), 6,96(3/4*1H, d, J=7,8 Hz), 7,23-7,27(3/4*1H, m), 7,79(1/4*1H, s), 7,94(3/4*1H, s), 8,00(1/4*1H, s), 8,15(3/4*1H, s).

<17-4>

Điều chế N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-3-(4-

xyanobenzamit)-N-metylbenzamit (Hợp chất số 8-289)

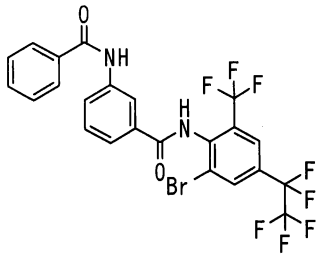


Theo phương pháp trong bước 1-7 của Ví dụ 1, hợp chất đích được điều chế từ 3-amino-N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-N-metylbenzamit và 4-xyanobenzoylclorua.

^{1}H-NMR ($CDCl_3$,ppm) δ 3,26 (2/3*3H, s), 3,38 (1/3*3H, s), 7,08-7,09 (1/3*1H, m), 7,12-7,14 (1/3*1H, m), 7,32 (2/3*1H, d, J=7,8 Hz), 7,45-7,49 (3/3*1H, m), 7,72-7,76 (9/3*1H, m), 7,83 (1/3*1H, s), 7,85-7,89 (4/3*1H, m), 7,95 (2/3*1H, s), 7,98-8,00 (4/3*1H, m), 8,04 (2/3*1H, d, J=6,3 Hz), 8,16 (2/3*1H, s), 8,57 (2/3*1H, s).

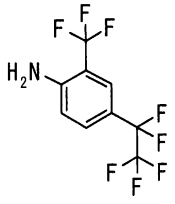
<Ví dụ 18>

Điều chế 3-benzamit-N-(2-brom-4-(perfloetyl)-6-(triflometyl)phenyl)benzamit (Hợp chất số 6-5913)



<18-1>

Điều chế 4-(perfloetyl)-2-(triflometyl)anilin

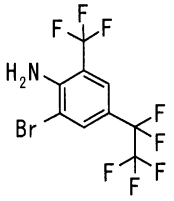


Bổ sung 13,6 g (33,7mmol) 2-(triflometyl)anilin và 40 ml DMF vào 40 ml dung dịch trong nước chứa 7,04 g (40,4mmol) natri hyđrosulfit nồng độ 85% và 3,40 g (40,4mmol) natri hyđro cacbonat. Bổ sung 50 ml dung dịch chứa 11,2 g (45,5mmol) 1,1,2,2,2-pentafloetyliođua trong DMF (DMF được làm lạnh tới nhiệt độ -30°C, và 1,1,2,2,2-pentafloetyl iođua được hoà tan trong đó) vào chất lỏng phản ứng này, và được đặt trong nồi hấp, tiếp đó là khuấy ở nhiệt độ 110°C trong 9 giờ. Sau khi để yên ở nhiệt độ trong phòng qua đêm, bổ sung nước và etyl axetat vào chất lỏng phản ứng, tiếp đó là chiết bằng etyl axetat. Lớp hữu cơ được rửa bằng nước, dung dịch natri hyđro cacbonat trong nước bão hoà, và nước muối bão hoà. Lớp hữu cơ được làm khô trên natri sulfat khan, sau đó dung môi được làm bay hơi dưới áp suất giảm, và phần cặn thu được được tinh chế bằng sắc ký cột silicagel (dung môi rửa giải: hexan:etyl axetat=10:1→ 5:1) để điều chế 1,95 g (hiệu suất 21%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 4,53 (2H, rộng-s), 6,81 (1H, d, J=8,3 Hz), 7,48 (1H, d, J=8,3 Hz), 7,63 (1H, rộng-s).

<18-2>

Điều chế 2-brom-4-(perfloetyl)-6-(triflometyl)anilin

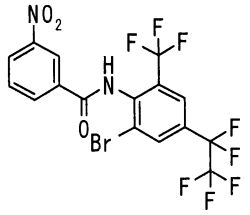


Theo phương pháp trong bước 1-2 của Ví dụ 1, hợp chất đích được điều chế từ 4-(perfloetyl)-2-(triflometyl)anilin.

^{1}H-NMR ($CDCl_3$,ppm) δ 5,08 (2H, rộng-s), 7,62 (1H, s), 7,80 (1H, s).

<18-3>

Điều chế N-(2-brom-4-(perfloetyl)-6-(triflometyl)phenyl)-3-nitrobenzamit

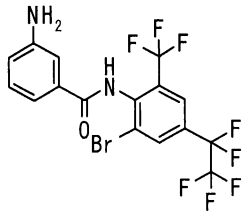


Bổ sung 2,72 g (14,7mmol) 3-nitrobenzoyl clorua vào dung dịch chứa 2,50 g (6,99mmol) 2-brom-4-(perfloetyl)-6-(triflometyl)anilin trong 20 ml pyriđin, tiếp đó là khuấy ở nhiệt độ 100°C trong 12 giờ. Bổ sung nước và etyl axetat vào chất lỏng phản ứng, tiếp đó là chiết bằng etyl axetat. Lớp hữu cơ được rửa bằng axit clohyđric nồng độ 1M, dung dịch natri hyđro cacbonat trong nước bão hoà, và nước muối bão hoà. Lớp hữu cơ được làm khô trên natri sulfat khan, và sau đó dung môi được làm bay hơi dưới áp suất giảm. Bổ sung THF và dung dịch natri hyđroxit trong nước vào phần cặn thu được, tiếp đó là khuấy ở nhiệt độ trong phòng trong 8 giờ. Chất lỏng phản ứng được chiết/được làm khô theo cùng cách như được mô tả ở trên, và dung môi được làm bay hơi dưới áp suất giảm. Phần cặn thu được được tinh chế bằng sắc ký cột silicagel (dung môi rửa giải: hexan:etyl axetat=7:1→5:1) để điều chế 0,202 g (hiệu suất 6%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,75 (1H, s), 7,78 (1H, t, J=7,8 Hz), 7,94 (1H, s), 8,17 (1H, s), 8,29-8,30 (1H, m), 8,50-8,52 (1H, m), 8,78 (1H, t, J=2,0 Hz).

<18-4>

Điều chế 3-amino-N-(2-brom-4-(perfloetyl)-6-(triflometyl)phenyl)benzamit

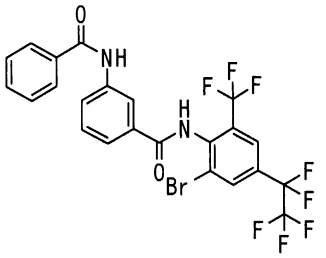


Theo phương pháp trong bước 1-5 của Ví dụ 1, hợp chất đích được điều chế từ N-(2-brom-4-(perfloetyl)-6-(triflometyl)phenyl)-3-nitrobenzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 3,89 (2H, rộng-s), 6,90-6,92 (1H, m), 7,23-7,32 (3H, m), 7,64 (1H, s), 7,90 (1H, s), 8,13 (1H, s).

<18-5>

Điều chế 3-benzamit-N-(2-brom-4-(perfloetyl)-6-(triflometyl)phenyl)benzamit (Hợp chất số 6-5913)

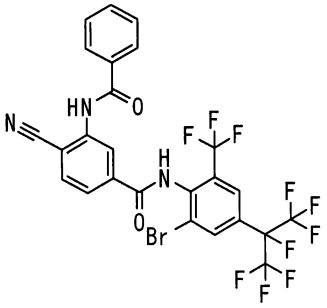


Theo phương pháp trong bước 1-7 của Ví dụ 1, hợp chất đích được điều chế từ 3-amino-N-(2-brom-4-(perfloetyl)-6-(triflometyl)phenyl)benzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,51-7,62(4H, m), 7,72 (1H, dd, J=1,5, 7,8 Hz), 7,89-8,00 (6H, m), 8,14 (1H, s), 8,27 (1H, t, J=2,0 Hz).

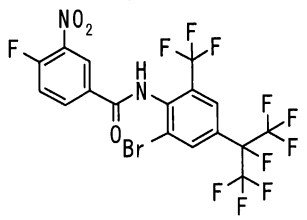
<Ví dụ 19>

Điều chế 3-benzamit-N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-xyanobenzamit (Hợp chất số 1-627)



<19-1>

Điều chế N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-flo-3-nitrobenzamit



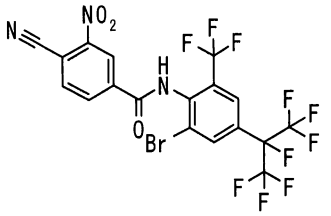
Theo phương pháp trong bước 4-3 của Ví dụ 4, hợp chất đích được điều chế từ 4-flo-3-nitrobenzoyl clorua mà được điều chế từ axit 4-flo-3-nitrobenzoic và thionyl

clorua, và 2-brom-4-(perflopropan-2-yl)-6-(triflometyl)anilin thu được trong bước 1-2 của Ví dụ 1.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,47-7,50 (1H, m), 7,92 (2H, d, J=5,9 Hz), 8,16 (1H, s), 8,23-8,28 (1H, m), 8,65-8,67 (1H, m).

<19-2>

Điều chế N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-xyano-3-nitrobenzamit

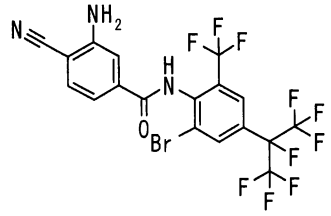


Bổ sung 0,0639 g (1,31mmol) natri xyanua vào dung dịch chứa 0,500 g (0,870mmol) N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-flo-3-nitrobenzamit trong 5 ml DMF, tiếp đó là khuấy ở nhiệt độ trong phòng trong 10 giờ. Bổ sung nước và etyl axetat vào chất lỏng phản ứng, tiếp đó là chiết bằng etyl axetat. Lớp hữu cơ được rửa bằng dung dịch natri hyđroxit trong nước nồng độ 10% và nước muối bão hoà. Lớp hữu cơ được làm khô trên natri sulfat khan, và sau đó dung môi được làm bay hơi dưới áp suất giảm. Phần cặn thu được được tinh chế bằng sắc ký cột silicagel để điều chế 0,0500 g (hiệu suất 10%) hợp chất đích.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,80 (1H, s), 7,96 (1H, s), 8,12-8,14 (1H, m), 8,18 (1H, s), 8,36 (1H, dd, J=2,0, 8,3 Hz), 8,84 (1H, d, J=1,5 Hz).

<19-3>

Điều chế 3-amino-N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-xyanobenzamit

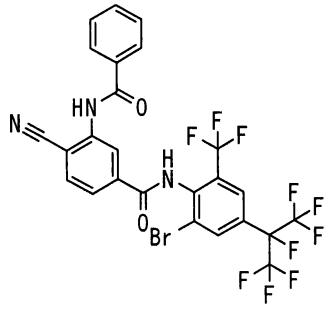


Theo phương pháp trong bước 1-5 của Ví dụ 1, hợp chất đích được điều chế từ N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-xyano-3-nitrobenzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 4,68 (2H, rộng-s), 7,18 (1H, dd, J=1,9, 8,3 Hz), 7,29 (1H, s), 7,52-7,55 (1H, m), 7,68 (1H, s), 7,92 (1H, s), 8,14 (1H, d, J=1,5 Hz).

<19-4>

Điều chế 3-benzamit-N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-xyanobenzamit (Hợp chất số 1-627)



Theo phương pháp trong bước 1-7 của Ví dụ 1, hợp chất đích được điều chế từ 3-amino-N-(2-brom-4-(perflopropan-2-yl)-6-(triflometyl)phenyl)-4-xyanobenzamit.

^{1}H-NMR ($CDCl_3$,ppm) δ 7,56-7,59 (3H, m), 7,64-7,66 (1H, m), 7,80-7,87 (2H, m), 7,94-7,97 (2H, m), 8,16 (1H, s), 8,46 (1H, s), 8,57 (1H, s), 9,16 (1H, s).

Tiếp theo, các ví dụ điều chế, trong đó hợp chất theo sáng chế được chứa dưới dạng hoạt chất sẽ được thể hiện, nhưng sáng chế sẽ không bị giới hạn ở những hợp chất này. Ngoài ra, trong các ví dụ điều chế, các phần là phần khối lượng.

<Ví dụ điều chế 1>

20 phần hợp chất được thể hiện bằng Công thức (1) theo sáng chế, 10 phần polyoxyetylen styrylphenyl ete, và 70 phần xylen được trộn đều để thu được nhũ tương.

<Ví dụ điều chế 2>

10 phần hợp chất được thể hiện bằng Công thức (1) theo sáng chế, 2 phần natri lauryl sulfat, 2 phần đialkyl sulfosucxinat, 1 phần muối natri của phần ngưng formalin của axit β-naphtalen sulfonic, và 85 phần đất tảo silic được khuấy và được trộn đều để thu được bột có thể thấm ướt.

<Ví dụ điều chế 3>

0,3 phần hợp chất được biểu thị bằng Công thức (1) theo sáng chế và 0,3 phần cacbon trắng được trộn đều, và bổ sung 99,2 phần đất sét và 0,2 phần DRILESS A (do Sankyo Agro Co., Ltd. sản xuất) vào đó, tiếp đó là tán thành bột và trộn đều, nhờ đó thu được bột.

<Ví dụ điều chế 4>

3 phần hợp chất được biểu thị bằng Công thức (1) theo sáng chế, 1,5 phần phần ngưng polyoxyetylen/polyoxypropylen, 3 phần carboxymetyl xenluloza, 64,8 phần đất sét, và 27,7 phần bột talc được nghiền thành bột và được trộn đều, và bổ sung nước vào đó, tiếp theo là ngào trộn, tạo hạt, và làm khô, nhờ đó thu được bột.

<Ví dụ điều chế 5>

10 phần hợp chất được biểu thị bằng Công thức (1) theo sáng chế, 3 phần muối natri của phần ngưng formalin của axit β-naphtalen sulfonic, 1 phần tristyrylphenol, 5 phần propylen glycol, 0,5 phần chất khử bọt gốc silic, và 33,5 phần nước được khuấy và được trộn đủ, và sau đó 0,3 phần gôm xantan và 46,7 phần nước được trộn vào đó, tiếp đó là khuấy và trộn một lần nữa, nhờ đó thu được chế phẩm có thể chảy được.

<Ví dụ điều chế 6>

20 phần hợp chất được biểu thị bằng Công thức (1) theo sáng chế, 6 phần muối kim loại của phần ngưng formalđehyt của axit naphtalen sulfonic, 1 phần muối kim loại đialkylsulfosucxinat, và 73 phần canxi cacbonat được nghiền thành bột và được trộn đều, và bổ sung nước vào đó, tiếp theo là ngào trộn, tạo hạt, và làm khô, nhờ đó thu được hạt bột có thể thấm ướt.

Để sử dụng các chế phẩm thu được ở trên, chế phẩm được pha loãng từ 1 lần đến 10000 lần bằng nước hoặc không được pha loãng, và sau đó được phun trực tiếp.

Tiếp theo, tính hữu dụng của hợp chất theo sáng chế làm chất diệt trừ loài gây hại sẽ được mô tả cụ thể dựa vào các ví dụ thử nghiệm sau, nhưng sáng chế sẽ không bị giới hạn ở những ví dụ thử nghiệm này.

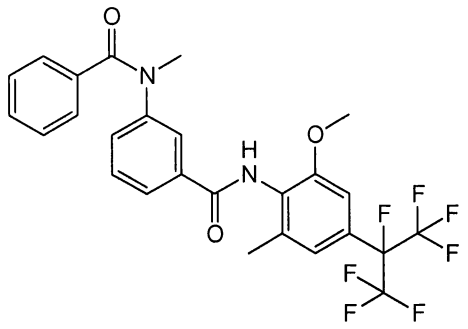
<Ví dụ thử nghiệm 1>

Thử nghiệm diệt loài gây hại chống lại loài *Spodoptera litura*

Một mảnh lá cải bắp được ngâm trong 30 giây trong dung dịch hóa chất trong đó hợp chất thử nghiệm đã được điều chế ở nồng độ xác định trước, và được làm khô

bằng không khí, và sau đó được đặt vào cốc polyetylen dài 7 cm có giấy lọc đặt trên đáy của nó, và ấu trùng 2 giai đoạn *Spodoptera litura* được giải phóng. Chúng được để yên trong buồng tĩnh nhiệt ở nhiệt độ 25°C, và số lượng các loài gây hại còn sống và các loài gây hại bị chết được kiểm tra sau 6 ngày. Thử nghiệm được tiến hành lặp lại hai lần, với năm ấu trùng cho mỗi nhóm.

Ngoài ra, hợp chất (A) sau đây được mô tả trong Công bố đơn quốc tế số WO 2005/073165 được dùng làm hợp chất so sánh.



Hợp chất (A)

Là kết quả của các thử nghiệm nêu trên, các hợp chất có Số Hợp chất 1-470, 1-491,1-513, 1-627, 1-1925, 2-491, 6-38, 6-39, 6-45, 6-46, 6-47, 6-57, 6-60, 6-71, 6-72, 6-78, 6-79, 6-80, 6-90, 6-93, 6-111, 6-147, 6-268, 6-269, 6-270, 6-271, 6-272, 6-288, 6-289, 6-290, 6-293, 6-300, 6-304, 6-306, 6-311, 6-346, 6-347, 6-348, 6-349, 6-366, 6-367, 6-368, 6-382, 6-389, 6-424, 6-425, 6-426, 6-427, 6-428, 6-444, 6-445, 6-446, 6-448, 6-449, 6-450, 6-452, 6-453, 6-460, 6-461, 6-467, 6-502, 6-503, 6-504, 6-505, 6-522, 6-523, 6-524, 6-538, 6-545, 6-804, 6-824, 6-825, 6-840, 6-1104, 6-1105, 6-1106, 6-1107, 6-1124, 6-1125, 6-1126, 6-1140, 6-1147, 6-1182, 6-1183, 6-1184, 6-1185, 6-1202, 6-1203, 6-1204, 6-1218, 6-1225, 6-1260, 6-1261, 6-1262, 6-1263, 6-1280, 6-1281, 6-1282, 6-1296, 6-1303, 6-1338, 6-1339, 6-1340, 6-1341, 6-1358, 6-1359, 6-1360, 6-1374, 6-1381, 6-1574, 6-1575, 6-1576, 6-1577, 6-1594, 6-1595, 6-1596, 6-1610, 6-1617, 6-1652, 6-1653, 6-1654, 6-1655, 6-1672, 6-1673, 6-1674, 6-1688, 6-1695, 6-1730, 6-1731, 6-1732, 6-1733, 6-1734, 6-1750, 6-1751, 6-1752, 6-1754, 6-1755, 6-1766, 6-1773, 6-1808, 6-1809, 6-1810, 6-1811, 6-1828, 6-1829, 6-1830, 6-1851, 6-2110, 6-3348, 6-3384, 6-5902, 6-5903, 6-5904, 6-5905, 6-5906, 6-5907, 6-5908, 6-5909, 6-5910, 6-5911, 6-5912, 7-38, 7-39, 7-45, 7-46, 7-47, 7-57, 7-60, 7-71, 7-72, 7-78, 7-79, 7-80, 7-90, 7-93, 7-132, 7-147, 7-268, 7-269, 7-270, 7-271, 7-285, 7-

286, 7-288, 7-289, 7-290, 7-299, 7-300, 7-301, 7-303, 7-304, 7-305, 7-311, 7-346, 7-347, 7-348, 7-349, 7-366, 7-367, 7-368, 7-382, 7-389, 7-424, 7-425, 7-426, 7-427, 7-428, 7-444, 7-445, 7-446, 7-449, 7-460, 7-467, 7-502, 7-504, 7-505, 7-522, 7-523, 7-538, 7-804, 7-824, 7-825, 7-840, 7-948, 7-969, 7-984, 7-1104, 7-1105, 7-1106, 7-1107, 7-1124, 7-1125, 7-1126, 7-1140, 7-1147, 7-1182, 7-1183, 7-1184, 7-1185, 7-1202, 7-1203, 7-1204, 7-1218, 7-1225, 7-1260, 7-1261, 7-1262, 7-1263, 7-1280, 7-1281, 7-1282, 7-1296, 7-1303, 7-1338, 7-1339, 7-1340, 7-1341, 7-1358, 7-1359, 7-1360, 7-1374, 7-1381, 7-1417, 7-1574, 7-1575, 7-1576, 7-1577, 7-1594, 7-1595, 7-1596, 7-1605, 7-1606, 7-1608, 7-1610, 7-1616, 7-1617, 7-1638, 7-1639, 7-1645, 7-1652, 7-1672, 7-1673, 7-1730, 7-1731, 7-1732, 7-1733, 7-1750, 7-1751, 7-1752, 7-1764, 7-1766, 7-1773, 7-1794, 7-1808, 7-1809, 7-1810, 7-1811, 7-1828, 7-1829, 7-1844, 7-1851, 7-3348, 7-3369, 7-3384, 7-5902, 7-5903, 7-5904, 7-5905, 7-5906, 7-5907, 7-5910, 8-268, 8-288, 8-289, 8-304, 8-804, 8-824, 8-840, 9-270, 9-290, 9-291, 9-306, 9-2164, 9-2322, 11-777, 11-835, 12-777, 12-835, 12-864, 27-627, và 27-663 mỗi hợp chất thể hiện tỷ lệ diệt loài gây hại là 70% hoặc nhiều hơn ở nồng độ là 1ppm.

Ngoài ra, các hợp chất có Số Hợp chất 1-506, 1-1968, 2-513, 2-518, 6-454, 6-5913, 6-5914, 7-316, 7-5911, 7-5912, 7-5908, 7-5909, 17-1103, và 27-628 mỗi hợp chất thể hiện tỷ lệ diệt loài gây hại là 70% hoặc nhiều hơn ở nồng độ là 10ppm.

Trong khi đó, hợp chất (A) có tỷ lệ diệt loài gây hại là 50% hoặc nhỏ hơn ở nồng độ là 10ppm.

<Ví dụ thử nghiệm 2>

Thử nghiệm diệt loài gây hại chống lại loài *Plutella xylostella*

Một mảnh lá cải bắp được ngâm trong 30 giây trong dung dịch hóa chất trong đó hợp chất thử nghiệm đã được điều chế ở nồng độ xác định trước, và được làm khô bằng không khí, và sau đó được đặt vào cốc polyetylen dài 7 cm có giấy lọc đặt trên đáy của nó, và ấu trùng 2 giai đoạn *Plutella xylostella* được giải phóng. Chúng được để yên trong buồng tĩnh nhiệt ở nhiệt độ 25°C, và số lượng các loài gây hại còn sống và các loài gây hại bị chết được kiểm tra sau 6 ngày. Thử nghiệm được tiến hành lặp lại hai lần, với năm ấu trùng cho mỗi nhóm.

Ngoài ra, hợp chất (A) ở trên được sử dụng làm hợp chất so sánh.

Là kết quả của các thử nghiệm nêu trên, các hợp chất có Số Hợp chất 1-491,1-513, 1-627, 1-1925, 1-1968, 2-491,2-513, 6-38, 6-39, 6-45, 6-46, 6-47, 6-57, 6-71, 6-

72, 6-78, 6-79, 6-80, 6-90, 6-111, 6-147, 6-268, 6-270, 6-271, 6-272, 6-288, 6-289, 6-290, 6-293, 6-300, 6-304, 6-306, 6-346, 6-347, 6-348, 6-349, 6-366, 6-367, 6-368, 6-382, 6-389, 6-424, 6-425, 6-426, 6-427, 6-428, 6-444, 6-445, 6-446, 6-449, 6-450, 6-453, 6-460, 6-461, 6-467, 6-502, 6-503, 6-504, 6-505, 6-522, 6-523, 6-524, 6-538, 6-545, 6-804, 6-824, 6-825, 6-840, 6-1104, 6-1105, 6-1106, 6-1107, 6-1124, 6-1125, 6-1126, 6-1140, 6-1147, 6-1182, 6-1183, 6-1184, 6-1185, 6-1202, 6-1203, 6-1204, 6-1218, 6-1225, 6-1260, 6-1261, 6-1262, 6-1263, 6-1280, 6-1281, 6-1282, 6-1296, 6-1303, 6-1338, 6-1339, 6-1340, 6-1341, 6-1358, 6-1359, 6-1360, 6-1374, 6-1381, 6-1574, 6-1575, 6-1576, 6-1577, 6-1594, 6-1595, 6-1596, 6-1610, 6-1617, 6-1652, 6-1653, 6-1654, 6-1655, 6-1672, 6-1673, 6-1674, 6-1688, 6-1695, 6-1730, 6-1731, 6-1732, 6-1733, 6-1734, 6-1750, 6-1751, 6-1752, 6-1754, 6-1755, 6-1766, 6-1773, 6-1808, 6-1809, 6-1810, 6-1811, 6-1828, 6-1829, 6-1830, 6-1851, 6-2110, 6-3348, 6-3384, 6-5903, 6-5904, 6-5905, 6-5906, 6-5907, 6-5908, 6-5909, 6-5910, 6-5911, 6-5912, 7-38, 7-39, 7-45, 7-46, 7-47, 7-57, 7-60, 7-71, 7-72, 7-78, 7-79, 7-80, 7-90, 7-93, 7-132, 7-147, 7-268, 7-271, 7-286, 7-288, 7-289, 7-290, 7-299, 7-300, 7-301, 7-303, 7-304, 7-305, 7-311, 7-346, 7-347, 7-348, 7-349, 7-366, 7-367, 7-368, 7-382, 7-389, 7-424, 7-425, 7-426, 7-427, 7-428, 7-444, 7-445, 7-446, 7-449, 7-460, 7-467, 7-502, 7-504, 7-505, 7-522, 7-523, 7-538, 7-824, 7-840, 7-948, 7-969, 7-984, 7-1104, 7-1105, 7-1106, 7-1107, 7-1124, 7-1125, 7-1126, 7-1140, 7-1147, 7-1182, 7-1183, 7-1184, 7-1185, 7-1202, 7-1203, 7-1204, 7-1218, 7-1225, 7-1260, 7-1261, 7-1262, 7-1263, 7-1280, 7-1281, 7-1282, 7-1296, 7-1303, 7-1338, 7-1339, 7-1340, 7-1341, 7-1358, 7-1359, 7-1360, 7-1374, 7-1381, 7-1417, 7-1574, 7-1575, 7-1576, 7-1577, 7-1594, 7-1595, 7-1596, 7-1605, 7-1606, 7-1608, 7-1610, 7-1616, 7-1617, 7-1638, 7-1639, 7-1645, 7-1652, 7-1672, 7-1673, 7-1730, 7-1731, 7-1732, 7-1733, 7-1750, 7-1751, 7-1752, 7-1764, 7-1766, 7-1773, 7-1794, 7-1808, 7-1809, 7-1810, 7-1811, 7-1828, 7-1829, 7-1844, 7-1851, 7-3348, 7-3369, 7-3384, 7-5902, 7-5903, 7-5904, 7-5905, 7-5906, 7-5907, 7-5909, 7-5910, 8-268, 8-288, 8-289, 8-304, 8-824, 9-270, 9-290, 9-291, 9-306, 9-2164, 9-2322, 11-777, 11-835, 12-777, 12-835, và 12-864, mỗi hợp chất thể hiện tỷ lệ diệt loài gây hại là 70% hoặc nhiều hơn ở nồng độ là 1ppm.

Hơn nữa, các hợp chất có Số Hợp chất 1-470, 1-506, 2-518, 6-60, 6-93, 6-269, 6-311, 6-448, 6-452, 6-454, 6-5913, 6-5914, 7-269, 7-270, 7-285, 7-316, 7-804, 7-825, 7-5908, 7-5911, 7-5912, 8-804, 8-840, 17-1103, 27-627, 27-628, và 27-663, mỗi hợp

chất thể hiện tỷ lệ diệt loài gây hại là 70% hoặc nhiều hơn ở nồng độ là 10ppm.

Trong khi đó, hợp chất (A) có tỷ lệ diệt loài gây hại là 50% hoặc ít hơn ở nồng độ là 10ppm.

<Ví dụ thử nghiệm 3>

Thử nghiệm diệt loài gây hại chống lại loài *Adoxophyes honmai*

Thức ăn nhân tạo được cắt lát mỏng được ngâm trong 30 giây trong dung dịch hóa chất trong đó hợp chất thử nghiệm đã được điều chế ở nồng độ xác định trước, và được làm khô bằng không khí, và sau đó được đặt vào cốc polyetylen 7 cm có giấy lọc đặt trên đáy của nó, và ấu trùng 2 giai đoạn *Adoxophyes honmai* được giải phóng. Chúng được để yên trong buồng tĩnh nhiệt ở nhiệt độ 25°C, và số lượng các loài gây hại còn sống và các loài gây hại bị chết được kiểm tra sau 6 ngày. Thử nghiệm được tiến hành lặp lại hai lần, với năm ấu trùng cho mỗi nhóm.

Ngoài ra, hợp chất (A) ở trên được sử dụng làm hợp chất so sánh.

Là kết quả của các thử nghiệm nêu trên, các hợp chất có Số Hợp chất 6-72, 6-80, 6-90, 6-347, 6-348, 6-349, 6-366, 6-382, 6-427, 6-446, 6-449, 6-460, 6-503, 6-504, 6-505, 6-522, 6-524, 6-538, 6-1106, 6-1182, 6-1202, 6-1260, 6-1262, 6-1263, 6-1341, 6-1358, 6-1574, 6-1576, 6-1594, 6-1596, 6-1652, 6-1654, 6-1655, 6-1672, 6-1674, 6-1688, 6-1730, 6-1732, 6-1733, 6-1750, 6-1809, 6-1811, 6-1828, 6-1830, 7-348, 7-366, 7-382, 7-502, 7-505, 7-522, 7-538, 7-1106, 7-1202, 7-1262, 7-1280, 7-1303, 7-1338, 7-1358, 7-1574, 7-1576, 7-1594, 7-1605, 7-1652, 7-1730, 7-1732, 7-1733, 7-1750, 7-1764, 7-1808, 7-1809, 7-1810, và 7-1811 mỗi hợp chất thể hiện tỷ lệ diệt loài gây hại là 70% hoặc nhiều hơn ở nồng độ là 1ppm.

Ngoài ra, các hợp chất có Số Hợp chất 6-271, 6-367, 6-389, 6-426, 6-523, 6-1104, 6-1577, 6-1695, 6-1851, 6-2110, 7-424, 7-444, 7-523, 7-1104, 7-1124, 7-1260, 7-1263, 7-1577, 7-1616, 7-1731, 7-1773, và 7-1851, mỗi hợp chất thể hiện tỷ lệ diệt loài gây hại là 70% hoặc nhiều hơn ở nồng độ là 10ppm.

Trong khi đó, hợp chất (A) có tỷ lệ diệt loài gây hại là 50% hoặc ít hơn ở nồng độ là 10ppm.

<Ví dụ thử nghiệm 4>

Thử nghiệm diệt loài gây hại chống lại loài *Choristoneura magnanima*

Thức ăn nhân tạo đã được cắt lát mỏng được ngâm trong 30 giây trong dung dịch hóa chất, trong đó hợp chất thử nghiệm đã được điều chế ở nồng độ xác định

trước, và được làm khô bằng không khí, và sau đó được đặt vào cốc polyetylen 7 cm có giấy lọc đặt trên đáy của nó, và ấu trùng 2 giai đoạn *Choristoneura magnanima* được giải phóng. Chúng được để yên trong buồng tĩnh nhiệt ở nhiệt độ 25°C, và số lượng các loài gây hại còn sống và các loài gây hại bị chết được kiểm tra sau 6 ngày. Thử nghiệm được tiến hành lặp lại hai lần, với năm ấu trùng cho mỗi nhóm.

Ngoài ra, hợp chất (A) ở trên được sử dụng làm hợp chất so sánh.

Là kết quả của các thử nghiệm nêu trên, các hợp chất có Số Hợp chất 6-72, 6-80, 6-90, 6-271, 6-349, 6-366, 6-367, 6-426, 6-427, 6-1104, 6-1106, 6-1182, 6-1260, 6-1263, 6-1358, 6-1574, 6-1577, 6-1595, 6-1596, 6-1652, 6-1654, 6-1655, 6-1672, 6-1673, 6-1674, 6-1695, 6-1730, 6-1732, 6-1733, 6-1750, 6-1751, 6-1809, 6-1811, 6-1828, 6-1829, 6-1830, 6-1851, 7-90, 7-348, 7-366, 7-382, 7-389, 7-444, 7-502, 7-504, 7-505, 7-523, 7-1104, 7-1106, 7-1107, 7-1124, 7-1125, 7-1260, 7-1262, 7-1263, 7-1280, 7-1281, 7-1303, 7-1358, 7-1359, 7-1574, 7-1576, 7-1577, 7-1594, 7-1595, 7-1605, 7-1616, 7-1617, 7-1652, 7-1730, 7-1732, 7-1733, 7-1750, 7-1764, 7-1773, 7-1808, 7-1809, 7-1810, 7-1811, 7-1829, và 7-1851, mỗi hợp chất thể hiện tỷ lệ diệt loài gây hại bằng 70% hoặc nhiều hơn ở nồng độ là 1ppm.

Hơn nữa, các hợp chất có Số Hợp chất 6-382, 6-446, 6-460, 6-2110, 7-424, 7-538, và 7-1606 mỗi hợp chất thể hiện tỷ lệ diệt loài gây hại là 70% hoặc nhiều hơn ở nồng độ là 10ppm.

Trong khi đó, hợp chất (A) có tỷ lệ diệt loài gây hại là 50% hoặc ít hơn ở nồng độ là 10ppm.

<Ví dụ thử nghiệm 5>

Thử nghiệm diệt loài gây hại chống lại loài *Helicoverpa armigera*

Một đĩa lá cải bắp được ngâm trong 30 giây trong dung dịch hóa chất trong đó hợp chất thử nghiệm đã được điều chế ở nồng độ xác định trước, và được làm khô bằng không khí. Đĩa lá này được đặt vào cốc nhựa có 6 lỗ có giấy lọc đặt trên đáy của nó, và ấu trùng 2 giai đoạn *Helicoverpa armigera* được giải phóng với một côn trùng được giải phóng cho mỗi lỗ. Chúng được để yên trong buồng tĩnh nhiệt ở nhiệt độ 25°C, và số lượng các loài gây hại còn sống và các loài gây hại bị chết được kiểm tra sau 3 ngày. Thử nghiệm được tiến hành lặp lại hai lần, với năm ấu trùng cho mỗi nhóm.

Ngoài ra, hợp chất (A) ở trên được sử dụng làm hợp chất so sánh.

Là kết quả của các thử nghiệm nêu trên, các hợp chất có Số Hợp chất 6-72, 6-

80, 6-90, 6-271, 6-347, 6-348, 6-349, 6-366, 6-367, 6-382, 6-389, 6-426, 6-427, 6-446, 6-449, 6-460, 6-503, 6-504, 6-505, 6-522, 6-523, 6-524, 6-538, 6-1104, 6-1106, 6-1260, 6-1262, 6-1263, 6-1281, 6-1341, 6-1358, 6-1359, 6-1574, 6-1576, 6-1577, 6-1594, 6-1595, 6-1596, 6-1652, 6-1654, 6-1655, 6-1672, 6-1673, 6-1674, 6-1695, 6-1730, 6-1732, 6-1733, 6-1750, 6-1751, 6-1808, 6-1809, 6-1811, 6-1828, 6-1829, 6-1830, 6-1851, 6-2110, 7-90, 7-348, 7-366, 7-382, 7-389, 7-424, 7-444, 7-502, 7-505, 7-522, 7-523, 7-538, 7-1106, 7-1107, 7-1125, 7-1262, 7-1263, 7-1280, 7-1303, 7-1338, 7-1358, 7-1359, 7-1574, 7-1576, 7-1577, 7-1594, 7-1595, 7-1605, 7-1606, 7-1616, 7-1617, 7-1652, 7-1730, 7-1731, 7-1732, 7-1733, 7-1750, 7-1751, 7-1764, 7-1773, 7-1808, 7-1809, 7-1810, 7-1811, 7-1829, và 7-1851, mỗi hợp chất thể hiện tỷ lệ diệt loài gây hại là 70% hoặc nhiều hơn ở nồng độ là 1ppm.

Ngoài ra, hợp chất của các Hợp chất số 7-1104 thể hiện tỷ lệ diệt loài gây hại là 70% hoặc nhiều hơn ở nồng độ là 10ppm.

Trong khi đó, hợp chất (A) có tỷ lệ diệt loài gây hại là 50% hoặc ít hơn ở nồng độ là 10ppm.

<Ví dụ thử nghiệm 6>

Thử nghiệm diệt loài gây hại chống lại loài *Laodelphax striatellus*

2,5 ml dung dịch axeton trong đó hợp chất thử nghiệm đã được điều chế ở nồng độ xác định trước được phun trên cây lúa con, được làm khô bằng không khí, và sau đó được đặt vào ống thủy tinh có đường kính là 3 cm và chiều cao 13 cm, có nước trong đó, và ấu trùng 3 giai đoạn của *Laodelphax striatellus* được giải phóng và ống được đậy nắp. Chúng được để yên trong buồng tĩnh nhiệt ở nhiệt độ 25°C, và số lượng các loài gây hại còn sống và các loài gây hại bị chết được kiểm tra sau 6 ngày. Thử nghiệm được tiến hành lặp lại hai lần, với mười ấu trùng đối với mỗi nhóm.

Là kết quả của các thử nghiệm nêu trên, các hợp chất có Số Hợp chất 1-491, 1-627, 2-491, 6-39, 6-45, 6-47, 6-57, 6-71, 6-72, 6-79, 6-80, 6-90, 6-147, 6-268, 6-269, 6-270, 6-271, 6-290, 6-304, 6-306, 6-311, 6-346, 6-347, 6-368, 6-382, 6-425, 6-427, 6-444, 6-445, 6-446, 6-460, 6-461, 6-503, 6-1104, 6-1106, 6-1107, 6-1124, 6-1126, 6-1140, 6-1147, 6-1182, 6-1183, 6-1184, 6-1185, 6-1202, 6-1203, 6-1204, 6-1218, 6-1225, 6-1260, 6-1261, 6-1262, 6-1263, 6-1280, 6-1281, 6-1282, 6-1296, 6-1303, 6-1338, 6-1339, 6-1340, 6-1341, 6-1358, 6-1359, 6-1360, 6-1374, 6-1381, 6-1574, 6-1575, 6-1576, 6-1577, 6-1594, 6-1595, 6-1596, 6-1610, 6-1617, 6-1652, 6-1653, 6-

1654, 6-1655, 6-1672, 6-1673, 6-1674, 6-1688, 6-1695, 6-1730, 6-1731, 6-1732, 6-1733, 6-1734, 6-1750, 6-1751, 6-1752, 6-1754, 6-1766, 6-1773, 6-1808, 6-1809, 6-1810, 6-1811, 6-1828, 6-1829, 6-1830, 6-1851, 6-2110, 6-3348, 6-3384, 6-5903, 6-5904, 6-5905, 6-5906, 6-5907, 6-5908, 6-5909, 6-5910, 6-5911, 6-5914, 7-47, 7-57, 7-90, 7-268, 7-285, 7-286, 7-288, 7-289, 7-301, 7-303, 7-304, 7-305, 7-311, 7-316, 7-346, 7-348, 7-368, 7-382, 7-389, 7-424, 7-426, 7-427, 7-444, 7-445, 7-446, 7-460, 7-467, 7-538, 7-825, 7-840, 7-948, 7-984, 7-1104, 7-1105, 7-1106, 7-1107, 7-1124, 7-1125, 7-1126, 7-1140, 7-1147, 7-1182, 7-1183, 7-1184, 7-1185, 7-1202, 7-1203, 7-1204, 7-1218, 7-1225, 7-1260, 7-1261, 7-1262, 7-1263, 7-1280, 7-1281, 7-1282, 7-1296, 7-1303, 7-1338, 7-1339, 7-1340, 7-1341, 7-1358, 7-1359, 7-1360, 7-1374, 7-1381, 7-1417, 7-1574, 7-1575, 7-1576, 7-1577, 7-1594, 7-1595, 7-1596, 7-1605, 7-1606, 7-1608, 7-1610, 7-1616, 7-1617, 7-1638, 7-1639, 7-1645, 7-1652, 7-1672, 7-1673, 7-1730, 7-1731, 7-1732, 7-1733, 7-1750, 7-1751, 7-1752, 7-1764, 7-1766, 7-1773, 7-1794, 7-1808, 7-1809, 7-1810, 7-1811, 7-1828, 7-1829, 7-1844, 7-1851, 7-3348, 7-3369, 7-5902, 7-5903, 7-5904, 7-5906, 7-5907, 7-5909, 7-5912, 8-289, 8-304, 8-840, 9-270, 9-290, 9-291, 9-306, 9-2164, 9-2322, 12-835, và 12-864, mỗi hợp chất thể hiện tỷ lệ diệt loài gây hại bằng 70% hoặc nhiều hơn ở nồng độ là 100ppm.

<Ví dụ thử nghiệm 7>

Thử nghiệm diệt loài gây hại chống lại loài *Musca domestica*

Bổ sung từng giọt 1 ml dung dịch axeton trong đó hợp chất thử nghiệm đã được điều chế ở nồng độ xác định trước vào đĩa petri có đường kính là 9 cm, và được làm khô bằng không khí, và sau đó con cái trưởng thành thuộc loài *Musca domestica* được giải phóng và đĩa petri được đậy nắp. Chúng được để yên trong buồng tĩnh nhiệt ở nhiệt độ 25°C, và số lượng các loài gây hại còn sống và các loài gây hại bị chết được kiểm tra sau 1 ngày. Thử nghiệm được tiến hành lặp lại hai lần, với năm ấu trùng cho mỗi nhóm.

Là kết quả của các thử nghiệm nêu trên, các hợp chất có Số Hợp chất 1-1925, 1-1968, 6-39, 6-47, 6-72, 6-272, 6-293, 6-346, 6-347, 6-348, 6-366, 6-368, 6-382, 6-389, 6-426, 6-427, 6-428, 6-450, 6-452, 6-453, 6-460, 6-503, 6-504, 6-505, 6-522, 6-523, 6-524, 6-538, 6-1105, 6-1107, 6-1124, 6-1125, 6-1126, 6-1147, 6-1184, 6-1204, 6-1218, 6-1260, 6-1281, 6-1338, 6-1341, 6-1358, 6-1359, 6-1360, 6-1374, 6-1575, 6-1576, 6-1577, 6-1594, 6-1596, 6-1617, 6-1652, 6-1672, 6-1673, 6-1695, 6-1730, 6-

1731, 6-1732, 6-1733, 6-1734, 6-1750, 6-1751, 6-1752, 6-1773, 6-1808, 6-1809, 6-1810, 6-1811, 6-1828, 6-1829, 6-1830, 6-1851, 6-2110, 6-5905, 7-39, 7-57, 7-90, 7-268, 7-346, 7-348, 7-349, 7-366, 7-367, 7-368, 7-382, 7-389, 7-424, 7-428, 7-444, 7-446, 7-449, 7-504, 7-522, 7-538, 7-1104, 7-1105, 7-1106, 7-1107, 7-1126, 7-1262, 7-1280, 7-1282, 7-1296, 7-1303, 7-1338, 7-1340, 7-1358, 7-1359, 7-1360, 7-1381, 7-1417, 7-1574, 7-1575, 7-1576, 7-1577, 7-1596, 7-1652, 7-1731, 7-1732, 7-1733, 7-1750, 7-1752, 7-1764, 7-1766, 7-1730, 7-1773, 7-1794, 7-1808, 7-1809, 7-1810, 7-1811, 7-1828, 7-1829, 7-1851, 9-2164, 9-2322, 11-777, 11-835, 12-777, 12-835, 12-864, 17-1103, và 27-627, mỗi hợp chất thể hiện tỷ lệ diệt loài gây hại là 70% hoặc nhiều hơn ở nồng độ là 100ppm.

<Ví dụ thử nghiệm 8>

Thử nghiệm diệt loài gây hại chống lại loài *Blattella germanic*

Bổ sung từng giọt 1 ml dung dịch axeton trong đó hợp chất thử nghiệm đã được điều chế ở nồng độ xác định trước vào đĩa petri có đường kính là 9 cm, và được làm khô bằng không khí, và sau đó con cái trưởng thành thuộc loài *Blattella germanica* được giải phóng và đĩa petri được đậy nắp. Chúng được để yên trong buồng tĩnh nhiệt ở nhiệt độ 25°C, và số lượng các loài gây hại còn sống và các loài gây hại bị chết được kiểm tra sau 1 ngày. Thử nghiệm được tiến hành lặp lại hai lần, với năm ấu trùng cho mỗi nhóm.

Là kết quả của các thử nghiệm nêu trên, các hợp chất có Số Hợp chất 1-1925, 6-39, 6-47, 6-346, 6-347, 6-367, 6-368, 6-382, 6-389, 6-426, 6-427, 6-503, 6-538, 6-1105, 6-1106, 6-1107, 6-1124, 6-1125, 6-1126, 6-1147, 6-1184, 6-1204, 6-1218, 6-1280, 6-1296, 6-1338, 6-1358, 6-1359, 6-1575, 6-1576, 6-1577, 6-1594, 6-1595, 6-1596, 6-1610, 6-1617, 6-1730, 6-1731, 6-1732, 6-1733, 6-1750, 6-1751, 6-1752, 6-1773, 6-1811, 6-5905, 7-57, 7-268, 7-305, 7-347, 7-349, 7-367, 7-382, 7-389, 7-424, 7-444, 7-446, 7-502, 7-505, 7-538, 7-1104, 7-1105, 7-1106, 7-1107, 7-1125, 7-1126, 7-1261, 7-1262, 7-1280, 7-1282, 7-1296, 7-1303, 7-1381, 7-1574, 7-1575, 7-1576, 7-1577, 7-1594, 7-1595, 7-1596, 7-1617, 7-1731, 7-1732, 7-1733, 7-1750, 7-1752, 7-1766, 7-1773, và 7-1851, mỗi hợp chất thể hiện tỷ lệ diệt loài gây hại là 70% hoặc nhiều hơn ở nồng độ là 100ppm.

<Ví dụ thử nghiệm 9>

Thử nghiệm diệt loài gây hại chống lại loài *Culex pipiens moltus*

Bổ sung từng giọt 1 ml dung dịch axeton trong đó hợp chất thử nghiệm đã được điều chế ở nồng độ xác định trước vào đĩa petri có đường kính là 9 cm, và được làm khô bằng không khí, và sau đó con cái trưởng thành thuộc loài *Culex pipiens moltus* được giải phóng và đĩa petri được đậy nắp. Chúng được để yên trong buồng tĩnh nhiệt ở nhiệt độ 25°C, và số lượng các loài gây hại còn sống và các loài gây hại bị chết được kiểm tra sau 1 ngày thử nghiệm. Thử nghiệm được tiến hành lặp lại hai lần, với năm ấu trùng cho mỗi nhóm.

Là kết quả của các thử nghiệm trên, các hợp chất có Số Hợp chất Hợp chất số7-424, 7-1574, 7-1577, 7-1730, 7-1732, và 7-1733, mỗi hợp chất thể hiện tỷ lệ diệt loài gây hại 70% hoặc nhiều hơn ở nồng độ là 1000ppm.

<Ví dụ thử nghiệm 10>

Thử nghiệm diệt loài gây hại chống lại loài *Coptotermes formosanus*

Bổ sung từng giọt 20 μl dung dịch axeton trong đó hợp chất thử nghiệm đã được điều chế ở nồng độ xác định trước vào giấy lọc có đường kính là 2,6 mm đã được đặt trong cốc polypropylen, và được làm khô bằng không khí, và sau đó bổ sung 20 μl nước vào đó. *Coptotermes formosanus* được giải phóng và cốc được đậy nắp. Chúng được để yên trong buồng tĩnh nhiệt ở nhiệt độ 28°C, và số lượng các loài gây hại còn sống và các loài gây hại bị chết được kiểm tra sau 5 ngày xử lý. Thử nghiệm được tiến hành lặp lại hai lần, với mười ấu trùng đối với mỗi nhóm.

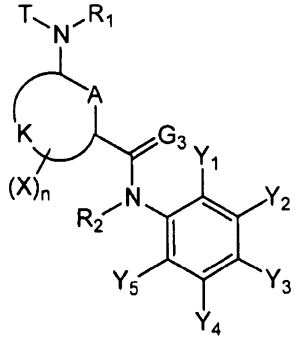
Là kết quả của các thử nghiệm trên, các hợp chất có Số Hợp chất Hợp chất số 6-460, 6-1260, 6-1652, 7-268, 7-424, 7-1104, 7-1574, 7-1577, 7-1730, 7-1732, và 7-1733, mỗi hợp chất thể hiện tỷ lệ diệt loài gây hại là 70% hoặc nhiều hơn ở nồng độ là 30ppm.

Khả năng áp dụng công nghiệp

Theo sáng chế, có thể tạo ra dẫn xuất amit mới. Dẫn xuất amit này thể hiện tác dụng đáng kể đối với hoạt tính diệt trừ loài gây hại, và có khả năng áp dụng cao trong công nghiệp.

YÊU CẦU BẢO HỘ

1. Dẫn xuất amit được thể hiện bằng công thức (1) sau:



công thức (I)

trong đó, trong công thức (I):

A là nguyên tử cacbon, nguyên tử oxy, nguyên tử nitơ, nguyên tử nitơ được oxy hóa hoặc nguyên tử lưu huỳnh;

K là nhóm nguyên tử phi kim cần thiết để tạo thành nhóm liên kết vòng có nguồn gốc từ pyridin, pyridin-N-oxit, pyrol, thiazol, furan hoặc thiophen kết hợp với A và hai nguyên tử cacbon mà A liên kết với;

X là nguyên tử hydro, nguyên tử halogen, nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_3-C_9 xycloalkyl, nhóm C_3-C_9 haloxycloalkyl, nhóm C_2-C_6 alkenyl, nhóm C_2-C_6 haloalkenyl, nhóm C_2-C_6 alkynyl, nhóm C_2-C_6 haloalkynyl, nhóm C_1-C_6 alkoxy, nhóm C_1-C_6 haloalkoxy, nhóm C_2-C_6 alkenyloxy, nhóm C_2-C_6 haloalkenyloxy, nhóm C_2-C_6 alkynyloxy, nhóm C_2-C_6 haloalkynyloxy, nhóm C_3-C_9 xycloalkoxy, nhóm C_3-C_9 haloxycloalkoxy, nhóm C_1-C_6 alkylthio, nhóm C_1-C_6 haloalkylthio, nhóm C_1-C_6 alkylsulfinyl, nhóm C_1-C_6 haloalkylsulfinyl, nhóm C_1-C_6 alkylsulfonyl, nhóm C_1-C_6 haloalkylsulfonyl, nhóm C_1-C_6 alkylsulfonyloxy, nhóm C_1-C_6 haloalkylsulfonyloxy, nhóm C_2-C_7 alkylcacbonyl, nhóm C_2-C_7 haloalkylcacbonyl, nhóm C_3-C_7 alkenylcacbonyl, nhóm C_3-C_7 haloalkenylcacbonyl, nhóm C_3-C_7 alkynylcacbonyl, nhóm C_3-C_7 haloalkynylcacbonyl, nhóm C_4-C_{10} xycloalkylcacbonyl, nhóm C_4-C_{10} haloxycloalkylcacbonyl, nhóm C_2-C_7 alkylcacbonyloxy, nhóm C_2-C_7 haloalkylcacbonyloxy, arylcacbonyloxy, nhóm C_2-C_7 alkoxycacbonyl, nhóm C_2-C_7 haloalkoxycacbonyl, nhóm C_3-C_7 alkenyloxycacbonyl, nhóm C_3-C_7 haloalkenyloxycacbonyl, nhóm C_3-C_7 alkynyloxycacbonyl, nhóm C_3-C_7

haloalkynyloxycacbonyl, nhóm C_4-C_{10} xycloalkyloxycacbonyl, nhóm C_4-C_{10} haloxycloalkyloxycacbonyl, nhóm C_2-C_7 alkylcacbonylamino, nhóm C_2-C_7 haloalkylcacbonylamino, nhóm C_2-C_7 alkoxycacbonylamino, nhóm C_2-C_7 haloalkoxycacbonylamino, nhóm C_2-C_7 alkoxycacbonyloxy, nhóm C_2-C_7 haloalkoxycacbonyloxy, nhóm arylcacbonylamino, nhóm amino, nhóm carbamoyl, nhóm xyano, nhóm hydroxy, pentaflosulfanyl, nhóm C_1-C_6 alkylamino, nhóm C_1-C_6 haloalkylamino, nhóm C_2-C_6 alkenylamino, nhóm C_2-C_6 haloalkenylamino, nhóm C_2-C_6 alkynylamino, nhóm C_2-C_6 haloalkynylamino, nhóm C_3-C_9 xycloalkylamino, nhóm C_3-C_9 haloxycloalkylamino, nhóm C_2-C_7 alkylaminocacbonyl, nhóm C_2-C_7 haloalkylaminocacbonyl, nhóm C_3-C_7 alkenylaminocacbonyl, nhóm C_3-C_7 haloalkenylaminocacbonyl, nhóm C_3-C_7 alkynylaminocacbonyl, nhóm C_3-C_7 haloalkynylaminocacbonyl, nhóm C_4-C_{10} xycloalkylaminocacbonyl, nhóm C_4-C_{10} haloxycloalkylaminocacbonyl, nhóm phenyl hoặc nhóm dị vòng, và khi có nhiều X, mỗi X có thể giống nhau hoặc khác nhau;

n là số nguyên nằm trong khoảng từ 0 đến 4;

T là $-C(=G_1)-Q_1$ hoặc $-C(=G_1)-G_2Q_2$;

mỗi G_1 và G_2 độc lập là nguyên tử oxy hoặc nguyên tử lưu huỳnh;

mỗi Q_1 và Q_2 là

nguyên tử hydro,

nhóm C_1-C_6 alkyl,

nhóm C_1-C_6 haloalkyl,

nhóm C_2-C_6 alkenyl,

nhóm C_2-C_6 haloalkenyl,

nhóm C_2-C_6 alkynyl,

nhóm C_2-C_6 haloalkynyl,

nhóm C_3-C_9 xycloalkyl,

nhóm C_3-C_9 haloxycloalkyl,

nhóm benzyl,

nhóm phenyl mà có thể có phần tử thế,

nhóm naphtyl,

hoặc nhóm dị vòng mà có thể có phần tử thế;

Y_1 và Y_5 là nguyên tử halogen hoặc nhóm C_1-C_3 haloalkyl, và Y_1 hoặc Y_5 là nhóm C_1-C_3 haloalkyl;

Y_2 và Y_4 là nguyên tử hydro;

Y_3 là nhóm C_2-C_4 perfloalkyl;

trong đó, trong Q_1 và Q_2, phần tử thế của nhóm phenyl mà có thể có phần tử thế và nhóm dị vòng mà có thể có phần tử thế là một hoặc nhiều phần tử thế được chọn từ nhóm bao gồm:

nguyên tử halogen, nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_3-C_9 xycloalkyl, nhóm C_3-C_9 haloxycloalkyl, nhóm C_2-C_6 alkenyl, nhóm C_2-C_6 haloalkenyl, nhóm C_2-C_6 alkynyl, nhóm C_2-C_6 haloalkynyl, nhóm C_1-C_6 alkoxy, nhóm C_1-C_6 haloalkoxy, nhóm C_2-C_6 alkenyloxy, nhóm C_2-C_6 haloalkenyloxy, nhóm C_2-C_6 alkynyloxy, nhóm C_2-C_6 haloalkynyloxy, nhóm C_3-C_9 xycloalkoxy, nhóm C_3-C_9 haloxycloalkoxy, nhóm C_1-C_6 alkylthio, nhóm C_1-C_6 haloalkylthio, nhóm C_1-C_6 alkylsulfinyl, nhóm C_1-C_6 haloalkylsulfinyl, nhóm C_1-C_6 alkylsulfonyl, nhóm C_1-C_6 haloalkylsulfonyl, nhóm C_2- C_7 alkylcacbonyl, nhóm C_2-C_7 haloalkylcacbonyl, nhóm C_3-C_7 alkenylcacbonyl, nhóm C_3-C_7 haloalkenylcacbonyl, nhóm C_3-C_7 alkynylcacbonyl, nhóm C_3-C_7 haloalkynylcacbonyl, nhóm C_4-C_{10} xycloalkylcacbonyl, nhóm C_4-C_{10} haloxycloalkylcacbonyl, nhóm C_2-C_7 alkylcacbonyloxy, nhóm C_2-C_7 haloalkylcacbonyloxy, nhóm C_1-C_6 alkylsulfonyloxy, nhóm C_1-C_6 haloalkylsulfonyloxy, nhóm C_2-C_7 alkoxycacbonyl, nhóm C_2-C_7 haloalkoxycacbonyl, nhóm C_3-C_7 alkenyloxycacbonyl, nhóm C_3-C_7 haloalkenyloxycacbonyl, nhóm C_3-C_7 alkynyloxycacbonyl, nhóm C_3-C_7 haloalkynyloxycacbonyl, nhóm C_4-C_{10} xycloalkyloxycacbonyl, nhóm C_4-C_{10} haloxycloalkyloxycacbonyl, nhóm C_2-C_7 alkylcacbonylamino, nhóm C_2-C_7 haloalkylcacbonylamino, nhóm C_2-C_7 alkoxycacbonylamino, nhóm C_2-C_7 haloalkoxycacbonylamino, nhóm C_1-C_6 alkylamino, nhóm C_1-C_6 haloalkylamino, nhóm C_2-C_6 alkenylamino, C_2-C_6 haloalkenylamino, nhóm C_2-C_6 alkynylamino, nhóm C_2-C_6 haloalkynylamino, nhóm

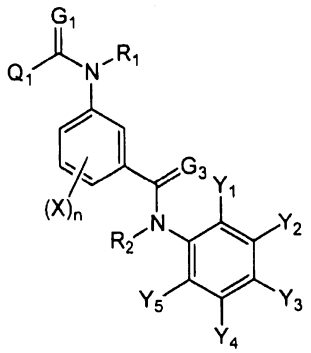
C_3-C_9 xycloalkylamino, nhóm C_3-C_9 haloxycloalkylamino, nhóm C_2-C_7 alkylaminocacbonyl, nhóm C_2-C_7 haloalkylaminocacbonyl, nhóm C_3-C_7 alkenylaminocacbonyl, nhóm C_3-C_7 haloalkenylaminocacbonyl, nhóm C_3-C_7 alkynylaminocacbonyl, nhóm C_3-C_7 haloalkynylaminocacbonyl, nhóm C_4-C_{10} xycloalkylaminocacbonyl, nhóm C_4-C_{10} haloxycloalkylaminocacbonyl, nhóm amino, nhóm carbamoyl, nhóm xyano, nhóm nitro, nhóm hydroxy, nhóm pentaflosulfanyl, nhóm phenyl mà có thể có phần tử thế, và nhóm dị vòng mà có thể có phần tử thế, và khi có hai hoặc nhiều phần tử thế, các phần tử thế này có thể giống nhau hoặc khác nhau;

trong đó, nhóm dị vòng trong X, Q_1, và Q_2 là nhóm pyridyl, nhóm pyridin-N-oxit, nhóm pyrimidinyl, nhóm pyrazinyl, nhóm pyridazyl, nhóm furyl, nhóm thienyl, nhóm oxazolyl, nhóm isoxazolyl, nhóm oxadiazolyl, nhóm thiazolyl, nhóm isothiazolyl, nhóm thiadiazolyl, nhóm pyrolyl, nhóm imidazolyl, nhóm triazolyl, nhóm pyrazolyl hoặc nhóm tetrazolyl;

G_3 là nguyên tử oxy hoặc nguyên tử lưu huỳnh; và

mỗi R_1 và R_2 độc lập là nguyên tử hydro, nguyên tử oxy, nguyên tử halogen, nhóm hydroxy, nhóm nitro, nhóm nitroso, nhóm trimetylsilyl, nhóm t-butyldimetylsilyl, nhóm xyano, nhóm amino, nhóm C_1-C_6 alkyl mà có thể có phần tử thế, nhóm C_1-C_6 haloalkyl mà có thể có phần tử thế, nhóm C_2-C_7 alkylcacbonyl, nhóm C_2-C_7 haloalkylcacbonyl, nhóm C_2-C_6 alkenyl mà có thể có phần tử thế, nhóm C_2-C_6 haloalkenyl mà có thể có phần tử thế, nhóm C_2-C_6 alkynyl mà có thể có phần tử thế, nhóm C_2-C_6 haloalkynyl mà có thể có phần tử thế, nhóm C_2-C_7 alkoxycacbonyl, nhóm C_2-C_7 haloalkoxycacbonyl, nhóm C_3-C_7 alkenyloxycacbonyl, nhóm C_3-C_7 haloalkenyloxycacbonyl, nhóm C_3-C_7 alkynyloxycacbonyl, nhóm C_3-C_7 haloalkynyloxycacbonyl, nhóm phenoxycacbonyl, nhóm C_2-C_7 alkylaminocacbonyl, nhóm C_2-C_7 haloalkylaminocacbonyl, nhóm C_2-C_7 alkylcacbonyloxy, nhóm C_2-C_7 haloalkylcacbonyloxy, nhóm benzoyl, nhóm C_1-C_6 alkoxy, nhóm C_1-C_6 haloalkoxy, nhóm C_1-C_6 alkylthio, nhóm C_1-C_6 haloalkylthio, nhóm C_1-C_6 alkylsulfinyl, nhóm C_1-C_6 haloalkylsulfinyl, nhóm C_1-C_6 alkylsulfonyl, nhóm C_1-C_6 haloalkylsulfonyl, nhóm benzensulfonyl, nhóm benzylsulfonyl, nhóm benzyl hoặc -C(=O)C(=O)R_7, trong đó R_7 là nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_1-C_6 alkoxy hoặc nhóm C_1-C_6 haloalkoxy.

2. Dẫn xuất amit được thể hiện bằng công thức (7) sau:



công thức (7)

trong đó trong công thức (7), n là 4;

mỗi X độc lập là nguyên tử hydro, nguyên tử halogen hoặc nhóm xyano;

Y_3 là nhóm C_2-C_4 perfloalkyl;

Y_2 và Y_4 là nguyên tử hydro;

Y_1 và Y_5 là nguyên tử halogen hoặc nhóm C_1-C_3 haloalkyl, và Y_1 hoặc Y_5 là nhóm C_1-C_3 haloalkyl;

mỗi G_1 và G_3 độc lập là nguyên tử oxy hoặc nguyên tử lưu huỳnh;

Q_1 là nguyên tử hydro, nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_2-C_6 alkenyl, nhóm C_2-C_6 haloalkenyl, nhóm C_2-C_6 alkynyl, nhóm C_2-C_6 haloalkynyl, nhóm C_3-C_9 xycloalkyl, nhóm C_3-C_9 haloxycloalkyl, nhóm benzyl, nhóm phenyl mà có thể có phần tử thế, nhóm naphtyl hoặc nhóm dị vòng mà có thể có phần tử thế;

trong đó, trong Q_1, phần tử thế của nhóm phenyl mà có thể có phần tử thế và nhóm dị vòng mà có thể có phần tử thế là một hoặc nhiều phần tử thế được chọn từ nhóm bao gồm:

nguyên tử halogen, nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_3-C_9 xycloalkyl, nhóm C_3-C_9 haloxycloalkyl, nhóm C_2-C_6 alkenyl, nhóm C_2-C_6 haloalkenyl, nhóm C_2-C_6 alkynyl, nhóm C_2-C_6 haloalkynyl, nhóm C_1-C_6 alkoxy, nhóm C_1-C_6 haloalkoxy, nhóm C_2-C_6 alkenyloxy, nhóm C_2-C_6 haloalkenyloxy, nhóm C_2-C_6 alkynyloxy, nhóm C_2-C_6 haloalkynyloxy, nhóm C_3-C_9 xycloalkoxy, nhóm C_3-C_9 haloxycloalkoxy, nhóm C_1-C_6 alkylthio, nhóm C_1-C_6 haloalkylthio, nhóm C_1-C_6 alkylsulfinyl, nhóm C_1-C_6 haloalkylsulfinyl, nhóm C_1-C_6 alkylsulfonyl, nhóm C_1-C_6

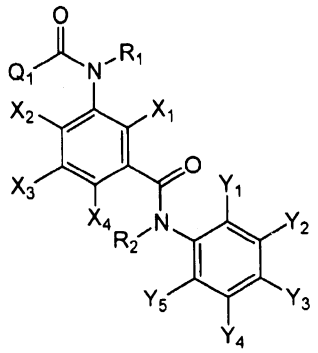
haloalkylsulfonyl, nhóm C_2-C_7 alkykarbonyl, nhóm C_2-C_7 haloalkylcacbonyl, nhóm C_3-C_7 alkenylcacbonyl, nhóm C_3-C_7 haloalkenylcacbonyl, nhóm C_3-C_7 alkynylcacbonyl, nhóm C_3-C_7 haloalkynylcacbonyl, nhóm C_4-C_{10} xycloalkylcacbonyl, nhóm C_4-C_{10} haloxycloalkylcacbonyl, nhóm C_2-C_7 alkylcacbonyloxy, nhóm C_2-C_7 haloalkylcacbonyloxy, nhóm C_1-C_6 alkylsulfonyloxy, nhóm C_1-C_6 haloalkylsulfonyloxy, nhóm C_2-C_7 alkoxycacbonyl, nhóm C_2-C_7 haloalkoxycacbonyl, nhóm C_3-C_7 alkenyloxycacbonyl, nhóm C_3-C_7 haloalkenyloxycacbonyl, nhóm C_3-C_7 alkynyloxycacbonyl, nhóm C_3-C_7 haloalkynyloxycacbonyl, nhóm C_4-C_{10} xycloalkyloxycacbonyl, nhóm C_4-C_{10} haloxycloalkyloxycacbonyl, nhóm C_2-C_7 alkylcacbonylamino, nhóm C_2-C_7 haloalkylcacbonylamino, nhóm C_2-C_7 alkoxycacbonylamino, nhóm C_2-C_7 haloalkoxycacbonylamino, nhóm C_1-C_6 alkylamino, nhóm C_1-C_6 haloalkylamino, nhóm C_2-C_6 alkenylamino, nhóm C_2-C_6 haloalkenylamino, nhóm C_2-C_6 alkynylamino, nhóm C_2-C_6 haloalkynylamino, nhóm C_3-C_9 xycloalkylamino, nhóm C_3-C_9 haloxycloalkylamino, nhóm C_2-C_7 alkylaminocacbonyl, nhóm C_2-C_7 haloalkylaminocacbonyl, nhóm C_3-C_7 alkenylaminocacbonyl, nhóm C_3-C_7 haloalkenylaminocacbonyl, nhóm C_3-C_7 alkynylaminocacbonyl, nhóm C_3-C_7 haloalkynylaminocacbonyl, nhóm C_4-C_{10} xycloalkylaminocacbonyl, nhóm C_4-C_{10} haloxycloalkylaminocacbonyl, nhóm amino, nhóm cacbamoyl, nhóm xyano, nhóm nitro, nhóm hydroxy, nhóm pentaflosulfanyl, nhóm phenyl mà có thể có phần tử thế, và nhóm dị vòng mà có thể có phần tử thế, và khi có hai hoặc nhiều phần tử thế, các phần tử thế này có thể giống nhau hoặc khác nhau;

trong đó, nhóm dị vòng trong Q_1 là nhóm pyridyl, nhóm pyridin-N-oxit, nhóm pyrimidinyl, nhóm pyrazinyl, nhóm pyridazyl, nhóm furyl, nhóm thienyl, nhóm oxazolyl, isoxazolyl, nhóm oxadiazolyl, nhóm thiazolyl, nhóm isothiazolyl, nhóm thiadiazolyl, nhóm pyrolyl, imidazolyl, nhóm triazolyl, nhóm pyrazolyl hoặc nhóm tetrazolyl;

mỗi R_1 và R_2 độc lập là nguyên tử hydro, nguyên tử oxy, nguyên tử halogen, nhóm hydroxy, nhóm nitro, nhóm nitroso, nhóm trimetylsilyl, nhóm t-butyldimetylsilyl, nhóm xyano, nhóm amino, nhóm C_1-C_6 alkyl mà có thể có phần tử thế, nhóm C_1-C_6 haloalkyl mà có thể có phần tử thế, nhóm C_2-C_7 alkylcacbonyl, nhóm C_2-C_7 haloalkylcacbonyl, nhóm C_2-C_6 alkenyl mà có thể có phần tử thế, nhóm C_2-C_6

haloalkenyl mà có thể có phần tử thế, nhóm C_2-C_6 alkynyl mà có thể có phần tử thế, nhóm C_2-C_6 haloalkynyl mà có thể có phần tử thế, nhóm C_2-C_7 alkoxycacbonyl, nhóm C_2-C_7 haloalkoxycacbonyl, nhóm C_3-C_7 alkenyloxycacbonyl, nhóm C_3-C_7 haloalkenyloxycacbonyl, nhóm C_3-C_7 alkynyloxycacbonyl, nhóm C_3-C_7 haloalkynyloxycacbonyl, nhóm phenoxycacbonyl, nhóm C_2-C_7 alkylaminocacbonyl, nhóm C_2-C_7 haloalkylaminocacbonyl, nhóm C_2-C_7 alkylcacbonyloxy, nhóm C_2-C_7 haloalkylcacbonyloxy, nhóm benzoyl, nhóm C_1-C_6 alkoxy, nhóm C_1-C_6 haloalkoxy, nhóm C_1-C_6 alkylthio, nhóm C_1-C_6 haloalkylthio, nhóm C_1-C_6 alkylsulfinyl, nhóm C_1-C_6 haloalkylsulfinyl, nhóm C_1-C_6 alkylsulfonyl, nhóm C_1-C_6 haloalkylsulfonyl, nhóm benzensulfonyl, nhóm benzylsulfonyl, nhóm benzyl hoặc -C(=O)C(=O)R_7, trong đó R_7 là nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_1-C_6 alkoxy hoặc nhóm C_1-C_6 haloalkoxy.

3. Dẫn xuất amit được thể hiện bằng công thức (8) sau:



công thức (8)

trong đó trong công thức (8), Q_1 là nhóm phenyl hoặc nhóm pyridyl mà có thể có phần tử thế được chọn từ nhóm bao gồm: nguyên tử halogen, nhóm C_1 haloalkyl, nhóm nitro và nhóm xyano, trong trường hợp Q_1 có phần tử thế, số lượng phần tử thế là 1 hoặc 2;

mỗi X_1 và X_2 độc lập là nguyên tử hydro hoặc nguyên tử flo, và X_3 và X_4 là nguyên tử hydro;

mỗi R_1 và R_2 độc lập là nguyên tử hydro hoặc nhóm metyl;

mỗi Y_1 và Y_5 độc lập là nguyên tử clo, nguyên tử brom, nguyên tử iot, nhóm triflometoxy, nhóm triflometyl hoặc nhóm pentafloetyl;

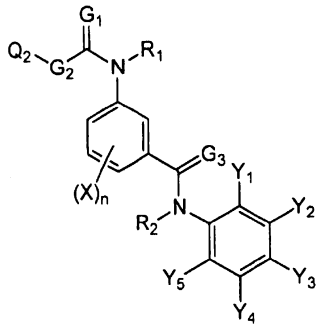
Y_2 và Y_4 là nguyên tử hydro;

và Y_3 là nhóm C_3-C_4 perfloalkyl;

trong trường hợp Y_1 và Y_5 cùng là các nguyên tử halogen, thì ít nhất một nhóm X_1 hoặc X_2 là nguyên tử flo; và

trong trường hợp Y_1 hoặc Y_5 là nhóm triflometoxy, thì X_2 là nguyên tử flo.

4. Dẫn xuất amit được thể hiện bằng công thức (9) sau:



công thức (9)

trong đó trong công thức (9), n là 4;

bốn nhóm X độc lập là nguyên tử hydro, nguyên tử halogen hoặc nhóm xyano;

Y_3 là nhóm C_2-C_4 perfloalkyl;

Y_2 và Y_4 là nguyên tử hydro;

mỗi Y_1 và Y_5 độc lập là nguyên tử halogen hoặc nhóm C_1-C_3 haloalkyl, và mỗi nhóm Y_1 hoặc Y_5 là nhóm C_1-C_3 haloalkyl;

mỗi G_1, G_2 và G_3 độc lập là nguyên tử oxy hoặc nguyên tử lưu huỳnh;

Q_2 là nguyên tử hydro, nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_2-C_6 alkenyl, nhóm C_2-C_6 haloalkenyl, nhóm C_2-C_6 alkynyl, nhóm C_2-C_6 haloalkynyl, nhóm C_3-C_9 xycloalkyl, nhóm C_3-C_9 haloxycloalkyl, nhóm benzyl, nhóm phenyl mà có thể có phần tử thế, nhóm naphtyl hoặc nhóm dị vòng mà có thể có phần tử thế;

trong đó, trong Q_2, phần tử thế của nhóm phenyl mà có thể có phần tử thế và nhóm dị vòng mà có thể có phần tử thế là một hoặc nhiều phần tử thế được chọn từ nhóm bao gồm:

nguyên tử halogen, nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_3-C_9

xycloalkyl, nhóm C_3-C_9 haloxycloalkyl, nhóm C_2-C_6 alkenyl, nhóm C_2-C_6 haloalkenyl, C_2-C_6 alkynyl, nhóm C_2-C_6 haloalkynyl, nhóm C_1-C_6 alkoxy, nhóm C_1-C_6 haloalkoxy, nhóm C_2-C_6 alkenyloxy, nhóm C_2-C_6 haloalkenyloxy, nhóm C_2-C_6 alkynyloxy, nhóm C_2-C_6 haloalkynyloxy, nhóm C_3-C_9 xycloalkoxy, nhóm C_3-C_9 haloxycloalkoxy, nhóm C_1-C_6 alkylthio, nhóm C_1-C_6 haloalkylthio, nhóm C_1-C_6 alkylsulfinyl, nhóm C_1-C_6 haloalkylsulfinyl, nhóm C_1-C_6 alkylsulfonyl, nhóm C_1-C_6 haloalkylsulfonyl, nhóm C_2-C_7 alkylcacbonyl, nhóm C_2-C_7 haloalkylcacbonyl, nhóm C_3-C_7 alkenylcacbonyl, nhóm C_3-C_7 haloalkenylcacbonyl, nhóm C_3-C_7 alkynylcacbonyl, nhóm C_3-C_7 haloalkynylcacbonyl, nhóm C_4-C_{10} xycloalkylcacbonyl, nhóm C_4-C_{10} haloxycloalkylcacbonyl, nhóm C_2-C_7 alkylcacbonyloxy, nhóm C_2-C_7 haloalkylcacbonyloxy, nhóm C_1-C_6 alkylsulfonyloxy, nhóm C_1-C_6 haloalkylsulfonyloxy, nhóm C_2-C_7 alkoxycacbonyl, nhóm C_2-C_7 haloalkoxycacbonyl, nhóm C_3-C_7 alkenyloxycacbonyl, nhóm C_3-C_7 haloalkenyloxycacbonyl, nhóm C_3-C_7 alkynyloxycacbonyl, nhóm C_3-C_7 haloalkynyloxycacbonyl, nhóm C_4-C_{10} xycloalkyloxycacbonyl, nhóm C_4-C_{10} haloxycloalkyloxycacbonyl, nhóm C_2-C_7 alkylcacbonylamino, nhóm C_2-C_7 haloalkylcacbonylamino, nhóm C_2-C_7 alkoxycacbonylamino, nhóm C_2-C_7 haloalkoxycacbonylamino, nhóm C_1-C_6 alkylamino, nhóm C_1-C_6 haloalkylamino, nhóm C_2-C_6 alkenylamino, nhóm C_2-C_6 haloalkenylamino, nhóm C_2-C_6 alkynylamino, nhóm C_2-C_6 haloalkynylamino, nhóm C_3-C_9 xycloalkylamino, nhóm C_3-C_9 haloxycloalkylamino, nhóm C_2-C_7 alkylaminocacbonyl, nhóm C_2-C_7 haloalkylaminocacbonyl, nhóm C_3-C_7 alkenylaminocacbonyl, nhóm C_3-C_7 haloalkenylaminocacbonyl, nhóm C_3-C_7 alkynylaminocacbonyl, nhóm C_3-C_7 haloalkynylaminocacbonyl, nhóm C_4-C_{10} xycloalkylaminocacbonyl, nhóm C_4-C_{10} haloxycloalkylaminocacbonyl, nhóm amino, nhóm carbamoyl, nhóm xyano, nhóm nitro, nhóm hydroxy, nhóm pentaflosulfanyl, nhóm phenyl mà có thể có phần tử thế, và nhóm dị vòng mà có thể có phần tử thế, và khi có hai hoặc nhiều phần tử thế, các phần tử thế này có thể giống nhau hoặc khác nhau;

trong đó, nhóm dị vòng trong Q_2 là nhóm pyridyl, nhóm pyridin-N-oxit, nhóm pyrimidinyl, nhóm pyrazinyl, nhóm pyridazyl, nhóm furyl nhóm thienyl, nhóm oxazolyl, nhóm isoxazolyl, nhóm oxadiazolyl, nhóm thiazolyl, nhóm isothiazolyl, nhóm thiadiazolyl, nhóm pyrolyl, nhóm imidazolyl, nhóm triazolyl, nhóm pyrazolyl

hoặc nhóm tetrazolyl;

mỗi R_1 và R_2 độc lập là nguyên tử hydro, nguyên tử oxy, nguyên tử halogen, nhóm hydroxy, nhóm nitro, nhóm nitroso, nhóm trimetylsilyl, nhóm t-butyldimetylsilyl, nhóm xyano, nhóm amino, nhóm C_1-C_6 alkyl mà có thể có phần tử thế, nhóm C_1-C_6 haloalkyl mà có thể có phần tử thế, nhóm C_2-C_7 alkylcacbonyl, nhóm C_2-C_7 haloalkylcacbonyl, nhóm C_2-C_6 alkenyl mà có thể có phần tử thế, nhóm C_2-C_6 haloalkenyl mà có thể có phần tử thế, nhóm C_2-C_6 alkynyl mà có thể có phần tử thế, nhóm C_2-C_6 haloalkynyl mà có thể có phần tử thế, nhóm C_2-C_7 alkoxycacbonyl, nhóm C_2-C_7 haloalkoxycacbonyl, nhóm C_3-C_7 alkenyloxycacbonyl, nhóm C_3-C_7 haloalkenyloxycacbonyl, nhóm C_3-C_7alkynyloxycacbonyl, nhóm C_3-C_7 haloalkynyloxycacbonyl, nhóm phenoxycacbonyl, nhóm C_2-C_7 alkylaminocacbonyl, nhóm C_2-C_7 haloalkylaminocacbonyl, nhóm C_2-C_7 alkylcacbonyloxy, nhóm C_2-C_7 haloalkylcacbonyloxy, nhóm benzoyl, nhóm C_1-C_6 alkoxy, nhóm C_1-C_6 haloalkoxy, nhóm C_1-C_6 alkylthio, nhóm C_1-C_6 haloalkylthio, nhóm C_1-C_6 alkylsulfinyl, nhóm C_1-C_6 haloalkylsulfinyl, nhóm C_1-C_6 alkylsulfonyl, nhóm C_1-C_6 haloalkylsulfonyl, nhóm benzensulfonyl, nhóm benzylsulfonyl, nhóm benzyl hoặc -C(=O)C(=O)R_7, trong đó R_7 là nhóm C_1-C_6 alkyl, nhóm C_1-C_6 haloalkyl, nhóm C_1-C_6 alkoxy hoặc nhóm C_1-C_6 haloalkoxy.

5. Chất diệt trừ loài gây hại bao gồm ít nhất một dẫn xuất amit theo điểm bất kỳ trong số các điểm từ 1 đến 4 làm hoạt chất.

6. Phương pháp diệt trừ loài gây hại bao gồm áp dụng chất diệt trừ loài gây hại theo điểm 5 cho loài gây hại này.