(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) **1-0043003**

(51)[2020.01] **C07D 231/12**; C07D 231/16; A01N 43/56

(13) **B**

(21) 1-2020-04515
(22) 22/05/2018
(86) PCT/CN2018/087840 22/05/2018
(87) WO/2019/222912 28/11/2019
(30) 2018424208 22/05/2018 AU
(45) 25/02/2025 443
(43) 26/04/2021 397

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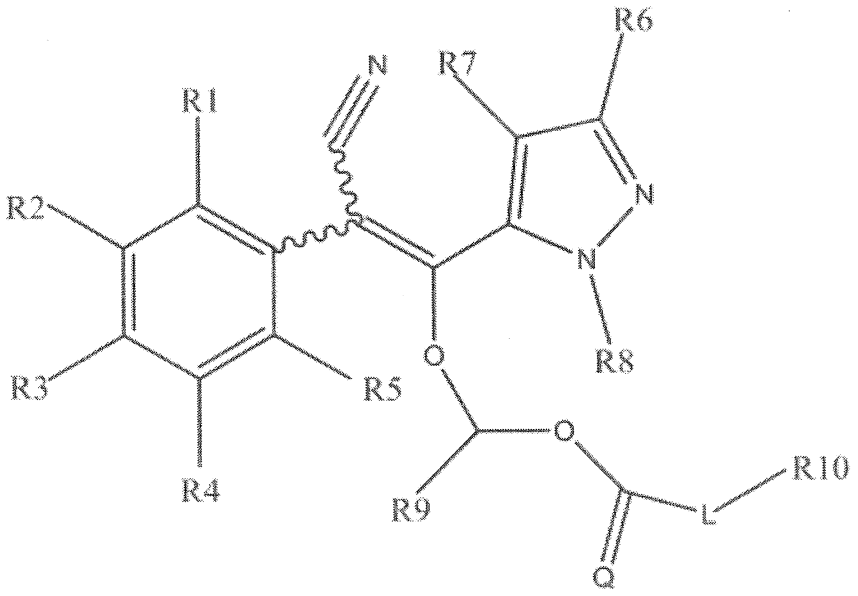
(54) DẪN XUẤT PYRAZOL, PHƯƠNG PHÁP ĐIỀU CHẾ DẪN XUẤT NÊU TRÊN, CHẾ PHẨM TRỪ SÂU VÀ DIỆT VE BÉT CHỨA DẪN XUẤT NÀY

(21) 1-2020-04515

(57) Sáng chế đề xuất dẫn xuất pyrazol có công thức stru-1 sau:



stru-1

Tất cả các nhóm thế được định nghĩa trong bản mô tả sáng chế. Dẫn xuất pyrazol bộc lộ trong bản mô tả này được sử dụng trong phòng ngừa và kiểm soát các loài gây hại.

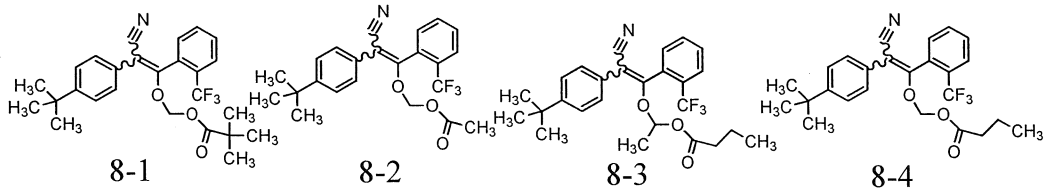
Lĩnh vực kỹ thuật được đề cập

Sáng chế này đề cập đến lĩnh vực thuốc trừ sâu và thuốc diệt ve bét dùng trong nông nghiệp, cụ thể là dẫn xuất pyrazol.

Tình trạng kỹ thuật của sáng chế

Hiện nay, việc sử dụng các loại thuốc trừ sâu trong một thời gian dài gây ra vấn đề kháng thuốc ở các loài gây hại và côn trùng, dẫn đến sự gia tăng sử dụng thuốc trừ sâu và ảnh hưởng nghiêm trọng đến môi trường. Do đó, đòi hỏi phải liên tục tìm ra những loại thuốc trừ sâu mới hiệu quả cao, có cơ chế hoạt động mới, ví dụ, thuốc trừ sâu có hoạt tính cao đối với các loài gây hại và côn trùng, vi khuẩn hoặc ve bét. Trong các loại thuốc diệt ve bét đã có, phần lớn các loại thuốc trừ sâu chỉ có thể kiểm soát một trong ba giai đoạn phát triển - trứng, nhộng trần và ve bét trưởng thành. Sẽ là đáng chú ý nếu có thể nghiên cứu và phát triển thuốc diệt ve bét có hiệu quả kiểm soát ở cả ba giai đoạn phát triển của ve bét.

Đơn sáng chế PCT số WO 01/68589 bộc lộ hợp chất ete acrylonitril dị vòng, và các hợp chất 8-1, 8-2, 8-3 và 8-4 sau được bộc lộ ở trang 71 trong phần mô tả.

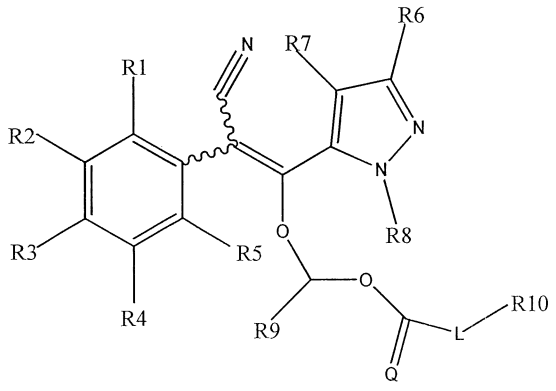


8-1 8-2 8-3 8-4

Dẫn xuất pyrazol được mô tả tại đây không được bộc lộ trong các sáng chế trước đây.

Bản chất kỹ thuật của sáng chế

Sáng chế này đề xuất dẫn xuất pyrazol có công thức stru-1 sau:



stru-1

trong đó:

R1, R2, R3, R4, R5 được chọn độc lập từ hydro, halogen, nitro, nitril, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_2-C_{20} alkenyl, C_2-C_{20} haloalkenyl, C_2-C_{20} alkynyl, C_2-C_{20} haloalkynyl, C_1-C_{20} alkoxy, C_1-C_{20} haloalkoxy, C_1-C_{20} alkylthio, C_1-C_{20} haloalkylthio, C_1-C_{20} alkylsulfoxit, C_1-C_{20} alkylsulfon, C_1-C_{20} alkylsulfonat, C_1-C_{20} alkyl carboxylic este, C_1-C_{20} alkyl axyl, C_1-C_{20} haloalkyl axyl;

R6 được chọn từ hydro, halogen, nitro, nitril, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_3-C_{20} xycloalkyl, C_3-C_{20} haloxycloalkyl, C_2-C_{20} alkenyl, C_2-C_{20} haloalkenyl, C_2-C_{20} alkynyl, C_2-C_{20} haloalkynyl, C_1-C_{20} alkoxy, C_1-C_{20} haloalkoxy, C_1-C_{20} alkylthio, C_1-C_{20} haloalkylthio, phenyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_3-C_{20} xycloalkyl, C_3-C_{20} haloxycloalkyl, C_1-C_{20} alkoxy, C_1-C_{20} haloalkoxy, C_1-C_{20} alkylthio, C_1-C_{20} haloalkylthio và C_1-C_{20} alkylsulfon, pyridyl, pyrazolyl, thienyl, furyl hoặc thiazolyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_3-C_{20} xycloalkyl, C_3-C_{20} haloxycloalkyl, C_1-C_{20} alkoxy, C_1-C_{20} haloalkoxy, C_1-C_{20} alkylthio, C_1-C_{20} haloalkylthio và C_1-C_{20} alkylsulfon;

R7 được chọn từ hydro, halogen, nitro, nitril, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_1-C_{20} alkoxymetylen;

R8 được chọn từ hydro, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_3-C_{20} xycloalkyl, C_3-C_{20} haloxycloalkyl, C_1-C_{20} alkoxymetylen, phenyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_3-C_{20} xycloalkyl, C_3-C_{20} haloxycloalkyl, C_1-C_{20} alkoxy, C_1-C_{20} haloalkoxy, C_1-C_{20} alkylthio, C_1-C_{20} haloalkylthio và C_1-C_{20} alkylsulfon, pyridyl, pyrazolyl, thienyl, furyl hoặc thiazolyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_3-C_{20} xycloalkyl, C_3-C_{20} haloxycloalkyl, C_1-C_{20} alkoxy, C_1-C_{20} haloalkoxy, C_1-C_{20} alkylthio, C_1-C_{20} haloalkylthio và C_1-C_{20} alkylsulfon;

R9 được chọn từ hydro, halogen, nitro, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_3-C_{20} xycloalkyl, C_3-C_{20} haloxycloalkyl, C_2-C_{20} alkenyl, C_2-C_{20} haloalkenyl, C_2-C_{20} alkynyl, C_2-C_{20} haloalkynyl, C_1-C_{20} alkoxy, C_1-C_{20} haloalkoxy, C_1-C_{20} alkylthio, C_1-C_{20} haloalkylthio, C_1-C_{20} alkylsulfon, phenyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_3-C_{20} xycloalkyl, C_3-C_{20} haloxycloalkyl, C_1-C_{20} alkoxy, C_1-C_{20} haloalkoxy, C_1-C_{20} alkylthio, C_1-C_{20} haloalkylthio và C_1-C_{20} alkylsulfon, pyridyl, pyrazolyl, thienyl, furyl hoặc thiazolyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_3-C_{20} xycloalkyl, C_3-C_{20} haloxycloalkyl, C_1-C_{20} alkoxy, C_1-C_{20} haloalkoxy, C_1-C_{20} alkylthio, C_1-C_{20} haloalkylthio và C_1-C_{20} alkylsulfon;

L được chọn từ oxy, lưu huỳnh, metylen, nitơ;

Q được chọn từ oxy, lưu huỳnh;

R10 được chọn từ hydro, halogen, nitro, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_3-C_{20} xycloalkyl, C_3-C_{20} haloxycloalkyl, C_2-C_{20} alkenyl, C_2-C_{20} haloalkenyl, C_2-C_{20} alkynyl, C_2-C_{20} haloalkynyl, C_1-C_{20} alkoxy, C_1-C_{20} haloalkoxy, C_1-C_{20} alkylthio, C_1-C_{20} haloalkylthio, C_1-C_{20} alkyl carboxylic este, phenyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_3-C_{20} xycloalkyl, C_3-C_{20} haloxycloalkyl, C_1-C_{20} alkoxy, C_1-C_{20} haloalkoxy, C_1-C_{20} alkylthio và C_1-C_{20} haloalkylthio, pyridyl, pyrazolyl, thienyl, furyl hoặc thiazolyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_3-C_{20} xycloalkyl, C_3-C_{20} haloxycloalkyl, C_1-C_{20} alkoxy, C_1-C_{20} haloalkoxy, C_1-C_{20} alkylthio và C_1-C_{20} haloalkylthio.

Mô tả vắn tắt hình vẽ

FIG.1 là mô hình nhiễu xạ đơn tinh thể của hợp chất 251.

Mô tả chi tiết sáng chế

Sáng chế này sẽ được mô tả thêm cùng với các phương án cụ thể, nhưng sáng chế không bị giới hạn ở các phương án cụ thể này. Người có hiểu biết trung bình trong lĩnh vực này sẽ hiểu rằng, sáng chế bao gồm tất cả các giải pháp tùy ý, các giải pháp cải tiến và các giải pháp tương đương nằm trong phạm vi của các điểm yêu cầu bảo hộ của sáng chế này.

Trong dẫn xuất pyrazol có công thức stru-1 theo sáng chế này, các nhóm thế R1, R2, R3, R4, R5 được chọn độc lập từ hydro, halogen, nitro, nitril, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_2-C_{20} alkenyl, C_2-C_{20} haloalkenyl, C_2-C_{20} alkynyl, C_2-C_{20} haloalkynyl, C_1-C_{20} alkoxy, C_1-C_{20} haloalkoxy, C_1-C_{20} alkylthio, C_1-C_{20} haloalkylthio, C_1-C_{20} alkylsulfoxit, C_1-C_{20} alkylsulfon, C_1-C_{20} alkylsulfonat, C_1-C_{20} alkyl carboxylic este, C_1-C_{20} alkyl axyl, C_1-C_{20} haloalkyl axyl.

Tốt hơn là các nhóm thế R1, R2, R3, R4, R5 được chọn độc lập từ hydro, halogen, nitro, nitril, C_1-C_{10} alkyl, C_1-C_{10} haloalkyl, C_2-C_{10} alkenyl, C_2-C_{10} haloalkenyl, C_2-C_{10} alkynyl, C_2-C_{10} haloalkynyl, C_1-C_{10} alkoxy, C_1-C_{10} haloalkoxy, C_1-C_{10} alkylthio, C_1-C_{10} haloalkylthio, C_1-C_{10} alkylsulfoxit, C_1-C_{10} alkylsulfon, C_1-C_{10} alkylsulfonat, C_1-C_{10} alkyl carboxylic este, C_1-C_{10} alkyl axyl, C_1-C_{10} haloalkyl axyl.

Tốt hơn nữa là các nhóm thế R1, R2, R3, R4, R5 được chọn độc lập từ hydro, halogen, nitro, nitril, C_1-C_6 alkyl, C_1-C_6 haloalkyl, C_2-C_6 alkenyl, C_2-C_6 haloalkenyl, C_2-C_6 alkynyl, C_2-C_6 haloalkynyl, C_1-C_6 alkoxy, C_1-C_6 haloalkoxy, C_1-C_6 alkylthio, C_1-C_6 haloalkylthio, C_1-C_6 alkylsulfoxide, C_1-C_6 alkylsulfone, C_1-C_6 alkylsulfonate, C_1-C_6 alkyl carboxylic este, C_1-C_6 alkyl acyl, C_1-C_6 haloalkyl acyl.

Tốt nhất là, các nhóm thế R1, R2, R3, R4, R5 được chọn độc lập từ hydro, flo, clo, brom, nitro, nitril, metyl, etyl, isopropyl, tert-butyl, triflometyl, metoxy, etoxy, triflometoxy, diflometoxy, difloetoxy, metylthio, triflometylthio, trifloetylthio, metylsulfonyl, metylsulfonat.

Trong dẫn xuất pyrazol có công thức stru-1 theo sáng chế này, nhóm thế R6 được chọn từ hydro, halogen, nitro, nitril, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_3-C_{20} xycloalkyl, C_3-C_{20} haloxycloalkyl, C_2-C_{20} alkenyl, C_2-C_{20} haloalkenyl, C_2-C_{20} alkynyl, C_2-C_{20} haloalkynyl, C_1-C_{20} alkoxy, C_1-C_{20} haloalkoxy, C_1-C_{20} alkylthio, C_1-C_{20} haloalkylthio, phenyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_3-C_{20} xycloalkyl, C_3-C_{20} haloxycloalkyl, C_1-C_{20} alkoxy, C_1-C_{20} haloalkoxy, C_1-C_{20} alkylthio, C_1-C_{20} haloalkylthio và C_1-C_{20} alkylsulfon, pyridyl, pyrazolyl, thienyl, furyl hoặc thiazolyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_3-C_{20} xycloalkyl, C_3-C_{20} haloxycloalkyl, C_1-C_{20} alkoxy, C_1-C_{20} haloalkoxy, C_1-C_{20} alkylthio, C_1-C_{20} haloalkylthio và C_1-C_{20} alkylsulfon.

Tốt hơn là, nhóm thế R6 được chọn từ hydro, halogen, nitro, nitril, C_1-C_{10} alkyl, C_1-C_{10} haloalkyl, C_3-C_{10} xycloalkyl, C_3-C_{10} haloxycloalkyl, C_2-C_{10} alkenyl, C_2-C_{10} haloalkenyl, C_2-C_{10} alkynyl, C_2-C_{10} haloalkynyl, C_1-C_{10} alkoxy, C_1-C_{10} haloalkoxy, C_1-C_{10} alkylthio, C_1-C_{10} haloalkylthio, phenyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_{10} alkyl, C_1-C_{10} haloalkyl, C_3-C_{10} xycloalkyl, C_3-C_{10} haloxycloalkyl, C_1-C_{10} alkoxy, C_1-C_{10} haloalkoxy, C_1-C_{10} alkylthio, C_1-C_{10} haloalkylthio và C_1-C_{10} alkylsulfon, pyridyl, pyrazolyl, thienyl, furyl hoặc thiazolyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_{10} alkyl, C_1-C_{10} haloalkyl, C_3-C_{10} xycloalkyl, C_3-C_{10} haloxycloalkyl, C_1-C_{10} alkoxy, C_1-C_{10} haloalkoxy, C_1-C_{10} alkylthio, C_1-C_{10} haloalkylthio và C_1-C_{10} alkylsulfon. Hợp chất có thể có dạng E, Z hoặc hỗn hợp của E và Z;

Tốt hơn nữa là, nhóm thế R6 được chọn từ hydro, halogen, nitro, nitril, C_1-C_6 alkyl, C_1-C_6 haloalkyl, C_3-C_6 xycloalkyl, C_3-C_6 haloxycloalkyl, C_2-C_6 alkenyl, C_2-C_6 haloalkenyl, C_2-C_6 alkynyl, C_2-C_6 haloalkynyl, C_1-C_6 alkoxy, C_1-C_6 haloalkoxy, C_1-C_6 alkylthio, C_1-C_6 haloalkylthio, phenyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_6 alkyl, C_1-C_6 haloalkyl, C_3-C_6 xycloalkyl, C_3-C_6 haloxycloalkyl, C_1-C_6 alkoxy, C_1-C_6 haloalkoxy, C_1-C_6 alkylthio, C_1-C_6 haloalkylthio và C_1-C_6 alkylsulfon, pyridyl, pyrazolyl, thienyl, furyl hoặc thiazolyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_6 alkyl, C_1-C_6 haloalkyl, C_3-C_6 xycloalkyl, C_3-C_6 haloxycloalkyl, C_1-C_6 alkoxy, C_1-C_6 haloalkoxy, C_1-C_6 alkylthio, C_1-C_6 haloalkylthio và C_1-C_6 alkylsulfon.

Cũng tốt hơn nữa là, nhóm thế R6 được chọn từ hydro, flo, clo, brom, nitro, nitril, metyl, etyl, isopropyl, xyclopropyl, metoxy, etoxy, triflometyl, diflometyl, p-clophenyl, P-flophenyl.

Trong dẫn xuất pyrazol có công thức stru-1 theo sáng chế này, nhóm thế R7 được chọn từ hydro, halogen, nitro, nitril, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_1-C_{20} alkoxymetylen.

Tốt hơn là, nhóm thế R7 được chọn từ hydro, halogen, nitro, nitril, C_1-C_{10} alkyl, C_1-C_{10} haloalkyl, C_1-C_{10} alkoxymetylen.

Tốt hơn nữa là, nhóm thế R7 được chọn từ hydro, halogen, nitro, nitril, C_1-C_6 alkyl, C_1-C_6 haloalkyl, C_1-C_6 alkoxymethylene.

Tốt hơn nữa là nhóm thế R7 được chọn từ hydro, halogen, nitro, nitril, C_1-C_5 alkyl, C_1-C_5 haloalkyl, C_1-C_5 alkoxymetylen.

Trong dẫn xuất pyrazol có công thức stru-1 theo sáng chế này, nhóm thế R8 được chọn từ hydro, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_3-C_{20} xycloalkyl, C_3-C_{20} haloxycloalkyl, C_1-C_{20} alkoxymetylen, phenyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_3-C_{20} xycloalkyl, C_3-C_{20} haloxycloalkyl, C_1-C_{20} alkoxy, C_1-C_{20} haloalkoxy, C_1-C_{20} alkylthio, C_1-C_{20} haloalkylthio và C_1-C_{20} alkylsulfon, pyridyl, pyrazolyl, thienyl, furyl hoặc thiazolyl được thế bởi ít nhất một trong số pyridyl, pyrazolyl, thienyl, furyl hoặc thiazolyl chọn từ nhóm bao gồm hydro, halogen, nitro, xyano, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_3-C_{20} xycloalkyl, C_3-C_{20} haloxycloalkyl, C_1-C_{20} alkoxy, C_1-C_{20} haloalkoxy, C_1-C_{20} alkylthio, C_1-C_{20} haloalkylthio và C_1-C_{20} alkylsulfon

Tốt hơn là, nhóm thế R8 được chọn từ hydro, C_1-C_{10} alkyl, C_1-C_{10} haloalkyl, C_3-C_{10} xycloalkyl, C_3-C_{10} haloxycloalkyl, C_1-C_{10} alkoxymetylen, phenyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_{10} alkyl, C_1-C_{10} haloalkyl, C_3-C_{10} xycloalkyl, C_3-C_{10} haloxycloalkyl, C_1-C_{10} alkoxy, C_1-C_{10} haloalkoxy, C_1-C_{10} alkylthio, C_1-C_{10} haloalkylthio và C_1-C_{10} alkylsulfon, pyridyl, pyrazolyl, thienyl, furyl hoặc thiazolyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_{10} alkyl, C_1-C_{10} haloalkyl, C_3-C_{10} xycloalkyl, C_3-C_{10} haloxycloalkyl, C_1-C_{10} alkoxy, C_1-C_{10} haloalkoxy, C_1-C_{10} alkylthio, C_1-C_{10} haloalkylthio và C_1-C_{10} alkylsulfon.

Tốt hơn nữa là, nhóm thế R8 được chọn từ hydro, C_1-C_6 alkyl, C_1-C_6 haloalkyl, C_3-C_6 xycloalkyl, C_3-C_6 haloxycloalkyl, C_1-C_6 alkoxymetylen, phenyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_6 alkyl, C_1-C_6 haloalkyl, C_3-C_6 xycloalkyl, C_3-C_6 haloxycloalkyl, C_1-C_6 alkoxy, C_1-C_6 haloalkoxy, C_1-C_6 alkylthio, C_1-C_6 haloalkylthio và C_1-C_6 alkylsulfon, pyridyl, pyrazolyl, thienyl, furyl hoặc thiazolyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_6 alkyl, C_1-C_6 haloalkyl, C_3-C_6 xycloalkyl, C_3-C_6 haloxycloalkyl, C_1-C_6 alkoxy, C_1-C_6 haloalkoxy, C_1-C_6 alkylthio, C_1-C_6 haloalkylthio và C_1-C_6 alkylsulfon.

Cũng tốt hơn nữa là, nhóm thế R8 được chọn từ hydro, metyl, etyl, monoflometyl, diflometyl, triflometyl, metoxymetylen, etoxymetylen.

Trong dẫn xuất pyrazol có công thức stru-1 theo sáng chế này, nhóm thế R9 được chọn từ hydro, halogen, nitro, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_3-C_{20} xycloalkyl, C_3-C_{20} haloxycloalkyl, C_2-C_{20} alkenyl, C_2-C_{20} haloalkenyl, C_2-C_{20} alkynyl, C_2-C_{20} haloalkynyl, C_1-C_{20} alkoxy, C_1-C_{20} haloalkoxy, C_1-C_{20} alkylthio, C_1-C_{20} haloalkylthio, C_1-C_{20} alkylsulfon, phenyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-

C_{20} alkyl, C_1-C_{20} haloalkyl, C_3-C_{20} xycloalkyl, C_3-C_{20} haloxycloalkyl, C_1-C_{20} alkoxy, C_1-C_{20} haloalkoxy, C_1-C_{20} alkylthio, C_1-C_{20} haloalkylthio và C_1-C_{20} alkylsulfon, pyridyl, pyrazolyl, thienyl, furyl hoặc thiazolyl được thế bởi ít nhất hydro, halogen, nitro, xyano, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_3-C_{20} xycloalkyl, C_3-C_{20} haloxycloalkyl, C_1-C_{20} alkoxy, C_1-C_{20} haloalkoxy, C_1-C_{20} alkylthio, C_1-C_{20} haloalkylthio và C_1-C_{20} alkylsulfon.

Tốt hơn là, nhóm thế R9 được chọn từ hydro, halogen, nitro, C_1-C_{10} alkyl, C_1-C_{10} haloalkyl, C_3-C_{10} xycloalkyl, C_3-C_{10} haloxycloalkyl, C_2-C_{10} alkenyl, C_2-C_{10} haloalkenyl, C_2-C_{10} alkynyl, C_2-C_{10} haloalkynyl, C_1-C_{10} alkoxy, C_1-C_{10} haloalkoxy, C_1-C_{10} alkylthio, C_1-C_{10} haloalkylthio, C_1-C_{10} alkylsulfon, phenyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_{10} alkyl, C_1-C_{10} haloalkyl, C_3-C_{10} xycloalkyl, C_3-C_{10} haloxycloalkyl, C_1-C_{10} alkoxy, C_1-C_{10} haloalkoxy, C_1-C_{10} alkylthio, C_1-C_{10} haloalkylthio và C_1-C_{10} alkylsulfon, pyridyl, pyrazolyl, thienyl, furyl hoặc thiazolyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_{10} alkyl, C_1-C_{10} haloalkyl, C_3-C_{10} xycloalkyl, C_3-C_{10} haloxycloalkyl, C_1-C_{10} alkoxy, C_1-C_{10} haloalkoxy, C_1-C_{10} alkylthio, C_1-C_{10} haloalkylthio và C_1-C_{10} alkylsulfon.

Tốt hơn nữa là nhóm thế R9 được chọn từ hydro, halogen, nitro, C_1-C_6 alkyl, C_1-C_6 haloalkyl, C_3-C_6 cycloalkyl, C_3-C_6 halocycloalkyl, C_2-C_6 alkenyl, C_2-C_6 haloalkenyl, C_2-C_6 alkynyl, C_2-C_6 haloalkynyl, C_1-C_6 alkoxy, C_1-C_6 haloalkoxy, C_1-C_6 alkylthio, C_1-C_6 haloalkylthio, C_1-C_6 alkylsulfone, phenyl được thế bởi ít nhất một trong số hydrogen, halogen, nitro, cyano, C_1-C_6 alkyl, C_1-C_6 haloalkyl, C_3-C_6 cycloalkyl, C_3-C_6 halocycloalkyl, C_1-C_6 alkoxy, C_1-C_6 haloalkoxy, C_1-C_6 alkylthio, C_1-C_6 haloalkylthio và C_1-C_6 alkylsulfone, pyridyl, pyrazolyl, thienyl, furyl hoặc thiazolyl được thế bởi ít nhất một trong số hydrogen, halogen, nitro, cyano, C_1-C_6 alkyl, C_1-C_6 haloalkyl, C_3-C_6 cycloalkyl, C_3-C_6 halocycloalkyl, C_1-C_6 alkoxy, C_1-C_6 haloalkoxy, C_1-C_6 alkylthio, C_1-C_6 haloalkylthio và C_1-C_6 alkylsulfone.

Cũng tốt hơn nữa là, nhóm thế R9 được chọn từ hydro, flo, clo, brom, nitro, metyl, etyl, propyl, isopropyl, diflometyl, xyclopropyl, metylthiometylen, phenyl, p-clophenyl, p-flophenyl, benzyl.

Trong dẫn xuất pyrazol có công thức stru-1 theo sáng chế này, nhóm thế L được chọn từ oxy, lưu huỳnh, metylen, nitơ.

Tốt hơn là, nhóm thế L được lựa chọn từ oxy, lưu huỳnh, metylen.

Trong dẫn xuất pyrazol có công thức stru-1 theo sáng chế này, nhóm thế Q được lựa chọn từ oxy, lưu huỳnh.

Trong dẫn xuất pyrazol có công thức stru-1 theo sáng chế này, nhóm thế R10 được chọn từ hydro, halogen, nitro, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_3-C_{20} xycloalkyl, C_3-C_{20} haloxycloalkyl, C_2-C_{20} alkenyl, C_2-C_{20} haloalkenyl, C_2-C_{20} alkynyl, C_2-C_{20} haloalkynyl, C_1-C_{20} alkoxy, C_1-C_{20} haloalkoxy, C_1-C_{20} alkylthio, C_1-C_{20} haloalkylthio, C_1-C_{20} alkyl carboxylic este, phenyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano,

C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_3-C_{20} xycloalkyl, C_3-C_{20} haloxycloalkyl, C_1-C_{20} alkoxy, C_1-C_{20} haloalkoxy, C_1-C_{20} alkylthio và C_1-C_{20} haloalkylthio, pyridyl, pyrazolyl, thienyl, furyl hoặc thiazolyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_{20} alkyl, C_1-C_{20} haloalkyl, C_3-C_{20} xycloalkyl, C_3-C_{20} haloxycloalkyl, C_1-C_{20} alkoxy, C_1-C_{20} haloalkoxy, C_1-C_{20} alkylthio và C_1-C_{20} haloalkylthio.

Tốt hơn là, nhóm thế R10 được chọn từ hydro, halogen, nitro, C_1-C_{10} alkyl, C_1-C_{10} haloalkyl, C_3-C_{10} xycloalkyl, C_3-C_{10} haloxycloalkyl, C_2-C_{10} alkenyl, C_2-C_{10} haloalkenyl, C_2-C_{10} alkynyl, C_2-C_{10} haloalkynyl, C_1-C_{10} alkoxy, C_1-C_{10} haloalkoxy, C_1-C_{10} alkylthio, C_1-C_{10} haloalkylthio, C_1-C_{10} alkyl carboxylic este, phenyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_{10} alkyl, C_1-C_{10} haloalkyl, C_3-C_{10} xycloalkyl, C_3-C_{10} haloxycloalkyl, C_1-C_{10} alkoxy, C_1-C_{10} haloalkoxy, C_1-C_{10} alkylthio và C_1-C_{10} haloalkylthio, pyridyl, pyrazolyl, thienyl, furyl hoặc thiazolyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_{10} alkyl, C_1-C_{10} haloalkyl, C_3-C_{10} xycloalkyl, C_3-C_{10} haloxycloalkyl, C_1-C_{10} alkoxy, C_1-C_{10} haloalkoxy, C_1-C_{10} alkylthio và C_1-C_{10} haloalkylthio.

Tốt hơn nữa là, nhóm thế R10 được chọn từ hydro, halogen, nitro, C_1-C_6 alkyl, C_1-C_6 haloalkyl, C_3-C_6 xycloalkyl, C_3-C_6 haloxycloalkyl, C_2-C_6 alkenyl, C_2-C_6 haloalkenyl, C_2-C_6 alkynyl, C_2-C_6 haloalkynyl, C_1-C_6 alkoxy, C_1-C_6 haloalkoxy, C_1-C_6 alkylthio, C_1-C_6 haloalkylthio, C_1-C_6 alkyl carboxylic este, phenyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_6 alkyl, C_1-C_6 haloalkyl, C_3-C_6 xycloalkyl, C_3-C_6 haloxycloalkyl, C_1-C_6 alkoxy, C_1-C_6 haloalkoxy, C_1-C_6 alkylthio và C_1-C_6 haloalkylthio, pyridyl, pyrazolyl, thienyl, furyl hoặc thiazolyl được thế bởi ít nhất một trong số hydro, halogen, nitro, xyano, C_1-C_6 alkyl, C_1-C_6 haloalkyl, C_3-C_6 xycloalkyl, C_3-C_6 haloxycloalkyl, C_1-C_6 alkoxy, C_1-C_6 haloalkoxy, C_1-C_6 alkylthio và C_1-C_6 haloalkylthio.

Cũng tốt hơn nữa là, nhóm thế 10 được chọn từ hydro, flo, clo, nitro, C_1-C_6 alkyl, C_3-C_6 xycloalkyl, C_3-C_6 haloalkyl, C_2-C_6 alkenyl, C_2-C_6 haloalkenyl, C_2-C_6 alkynyl, C_2-C_6 haloalkynyl, C_1-C_6 alkoxy, C_1-C_6 haloalkoxy, C_1-C_6 alkylthio, C_1-C_6 haloalkylthio, C_1-C_6 metyl alkyl carboxylate, C_1-C_6 etyl axit carboxylic etyl este, phenyl được thế bởi ít nhất một trong số hydro, flo, clo, brom, nitro, xyano, metyl, etyl, triflometyl, metoxy, etoxy, trifloetoxy, và metylthio, pyridyl, pyrazolyl, thienyl, furyl hoặc thiazolyl được thế bởi ít nhất một trong số hydro, flo, clo, brom, nitro, xyano, metyl, etyl, triflometyl, metoxy, etoxy, trifloetoxy, và metylthio .

Đối với dẫn xuất pyrazol có công thức stru-1 theo sáng chế, theo phương án ưu tiên, trong công thức stru-1:

R1, R2, R3, R4, R5 được chọn độc lập từ hydro, flo, clo, brom, nitro, nitril, metyl, etyl, isopropyl, tert-butyl, triflometyl, metoxy, etoxy, triflometoxy, diflometoxy, difloetoxy, metylthio, triflometylthio, trifloetylthio, metylsulfonyl, metylsulfonat;

R6 được chọn từ hydro, flo, clo, brom, nitro, nitril, metyl, etyl, isopropyl, xyclopropyl, triflometyl, diflometyl, metoxy, etoxy, p-clophenyl, p-flophenyl;

R7 được chọn từ hydro, halogen, nitro, nitril, C1-C5 alkyl, C1-C5 haloalkyl, C1-C5 alkoxymetylen;

R8 được chọn từ metyl, etyl;

R9 được chọn từ hydro, flo, clo, brom, nitro, metyl, etyl, propyl, isopropyl, diflometyl, xyclopropyl, metylthiometylen, phenyl, p-clophenyl, p-flophenyl, benzyl;

L được chọn từ oxy, lưu huỳnh, metylen;

Q được chọn từ oxy, lưu huỳnh;

R10 được chọn từ hydro, flo, clo, nitro, C_1-C_6 alkyl, C_3-C_6 xycloalkyl, C_3-C_6 haloalkyl, C_2-C_6 alkenyl, C_2-C_6 haloalkenyl, C_2-C_6 alkynyl, C_2-C_6 haloalkynyl, C_1-C_6 alkoxy, C_1-C_6 haloalkoxy, C_1-C_6 alkylthio, C_1-C_6 haloalkylthio, C_1-C_6 metyl alkyl carboxylate, C_1-C_6 etyl axit carboxylic etyl este, phenyl được thế bởi ít nhất một trong số hydro, flo, clo, brom, nitro, xyano, metyl, etyl, triflometyl, metoxy, etoxy, trifloetoxy, và metylthio, pyridyl, pyrazolyl, thienyl, furyl hoặc thiazolyl được thế bởi ít nhất một trong số hydro, flo, clo, brom, nitro, xyano, metyl, etyl, triflometyl, metoxy, etoxy, trifloetoxy, và metylthio.

Đối với dẫn xuất pyrazol có công thức stru-1 theo sáng chế, theo một phương án ưu tiên khác, trong công thức stru-1:

R1, R2, R4, R5 được chọn từ hydro;

R3 được chọn từ t-butyl;

R6 được chọn từ hydro, flo, clo, brom, nitro, nitril, metyl, etyl, isopropyl, xyclopropyl, triflometyl, diflometyl, metoxy, etoxy, p-clophenyl, p-flophenyl;

R7 được chọn từ hydro, halogen, nitro, nitril, C1-C5 alkyl, C1-C5 haloalkyl, C1-C5 alkoxymetylen;

R8 được chọn từ metyl, etyl;

R9 được chọn từ hydro, flo, clo, brom, nitro, metyl, etyl, propyl, isopropyl, diflometyl, xyclopropyl, metylthiometylen, phenyl, p-clophenyl, p-flophenyl, benzyl;

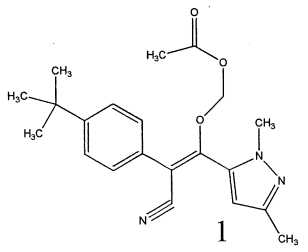
L được chọn từ oxy, lưu huỳnh, metylen;

Q được chọn từ oxy, lưu huỳnh;

R10 được chọn từ hydro, flo, clo, nitro, C1-C6 alkyl, C3-C6 xycloalkyl, C3-C6 haloalkyl, C2-C6 alkenyl, C2-C6 haloalkenyl, C2-C6 alkynyl, C2-C6 haloalkynyl, C1-C6 alkoxy, C1-C6 haloalkoxy, C1-C6 alkylthio, C1-C6 haloalkylthio, C1-C6 metyl alkyl carboxylate, C1-C6 etyl axit carboxylic etyl este, phenyl được thế bởi ít nhất một trong số hydro, flo, clo, brom, nitro, xyano, metyl, etyl, metoxy, etoxy, triflometyl,

trifloetoxy, và metylthio, pyridyl, pyrazolyl, thienyl, furyl or thiazolyl được thế bởi ít nhất một trong số hydro, flo, clo, brom, nitro, xyano, metyl, etyl, metoxy, etoxy, triflometyl, trifloetoxy, và metylthio.

Đối với dẫn xuất pyrazol có công thức stru-1 theo sáng chế, theo phương án ưu tiên nhất, dẫn xuất pyrazol được lựa chọn ít nhất từ một trong số các hợp chất có các công thức cấu trúc sau: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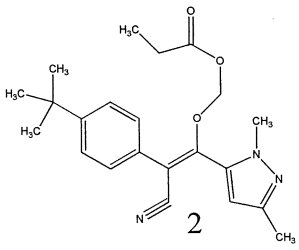
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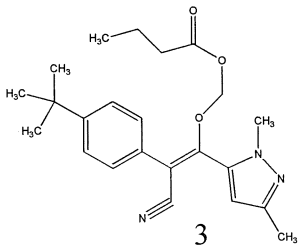
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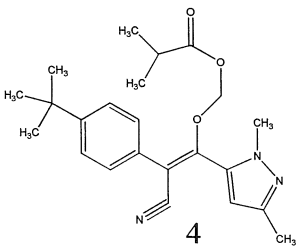
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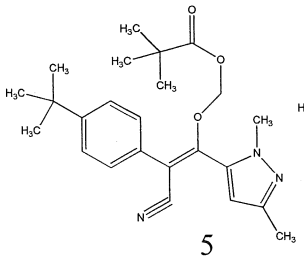
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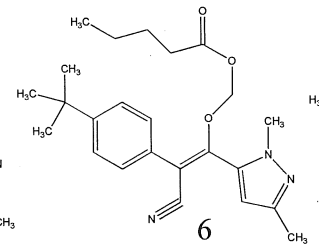
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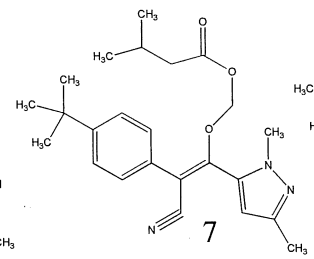
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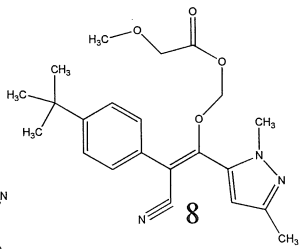
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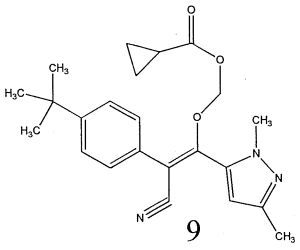
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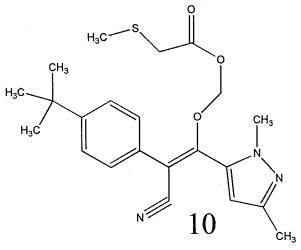
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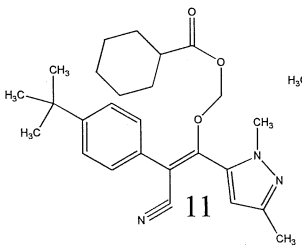
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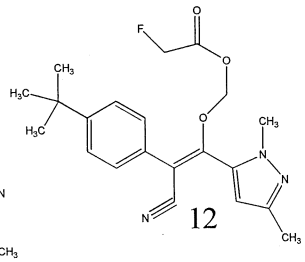
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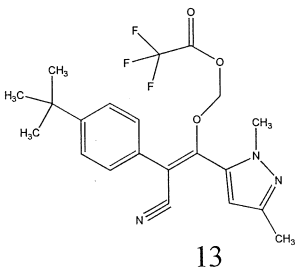
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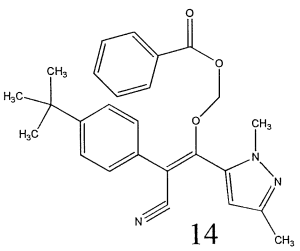
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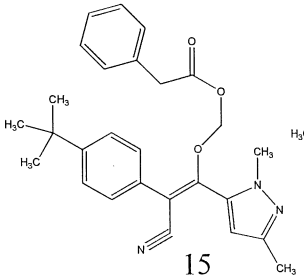
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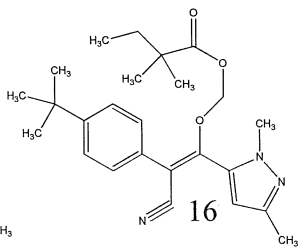
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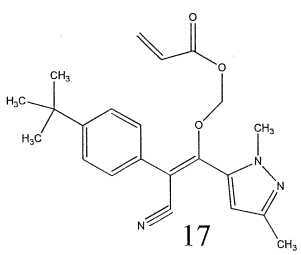
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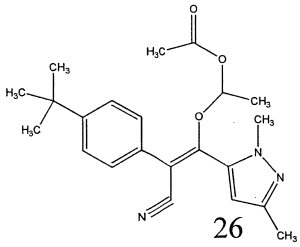
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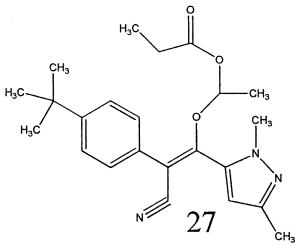
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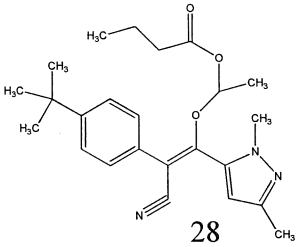
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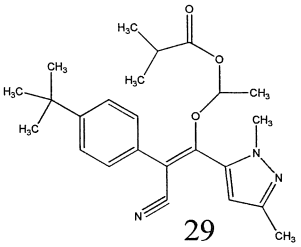
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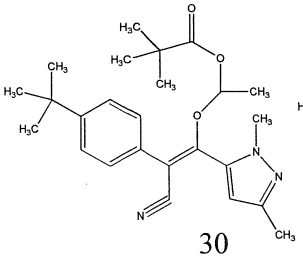
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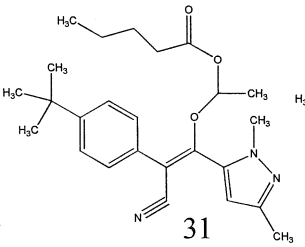
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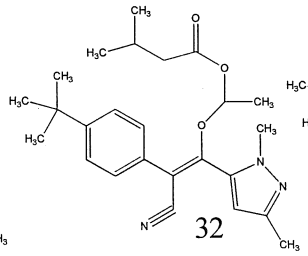
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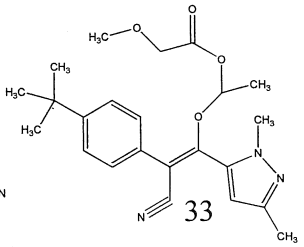
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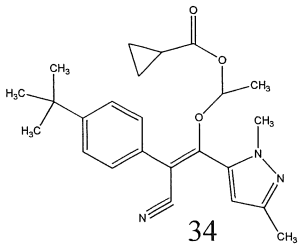
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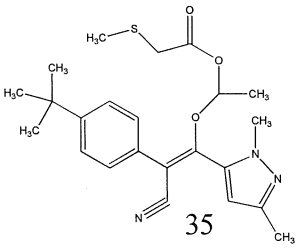
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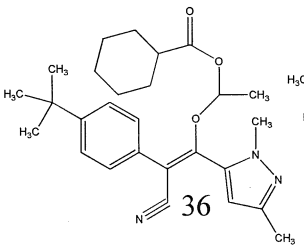
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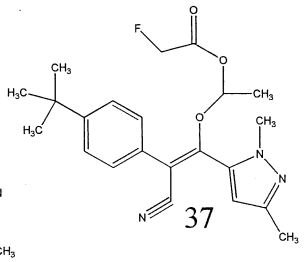
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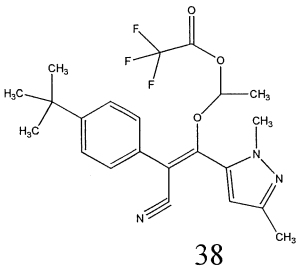
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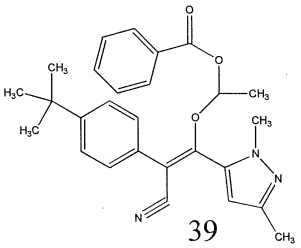
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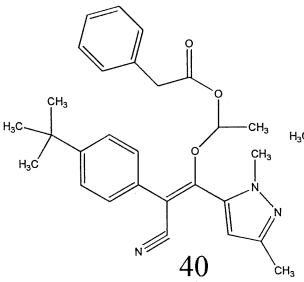
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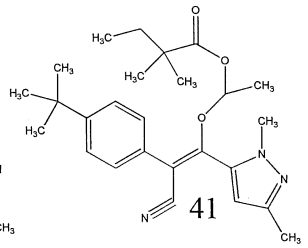
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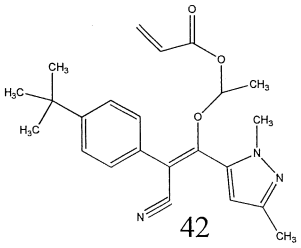
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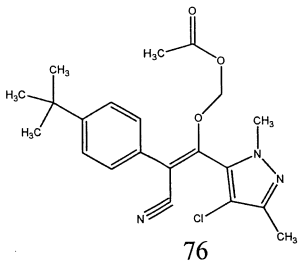
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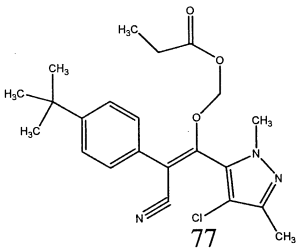
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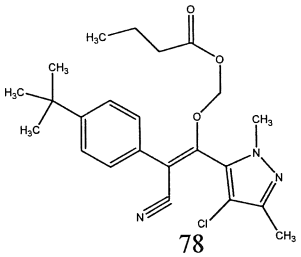
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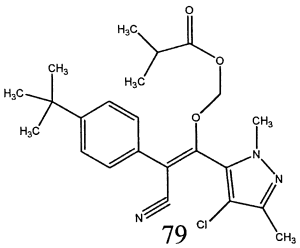
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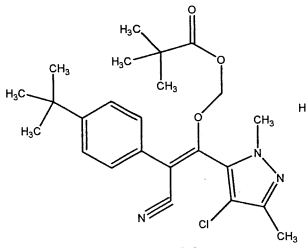
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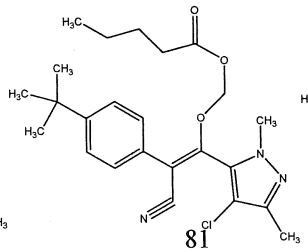
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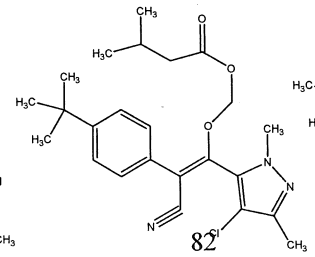
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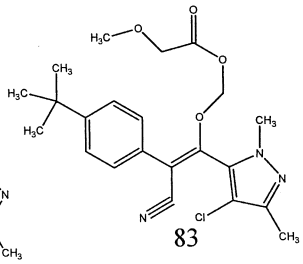
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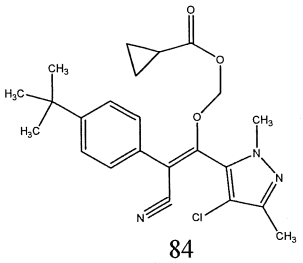
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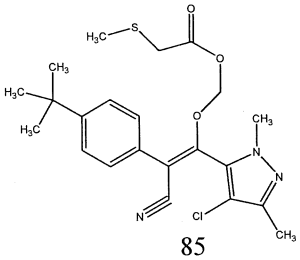
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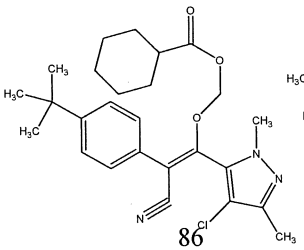
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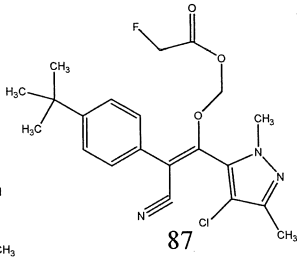
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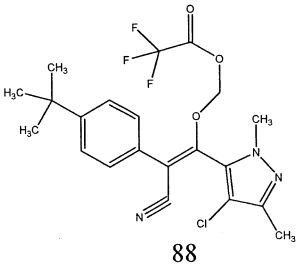
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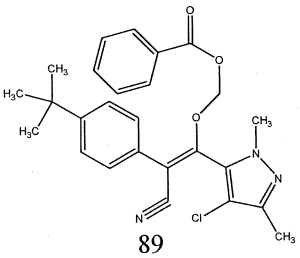
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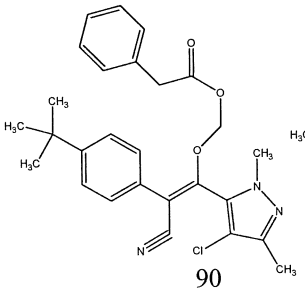
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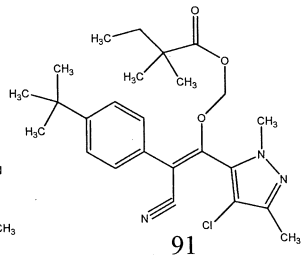
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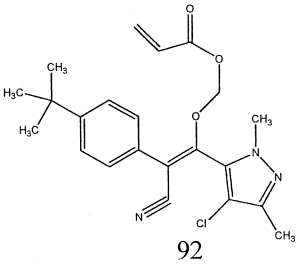
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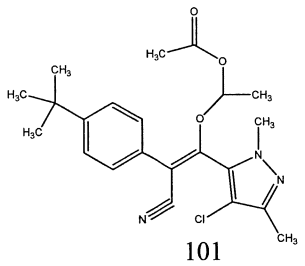
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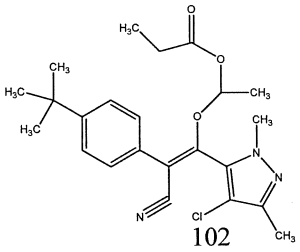
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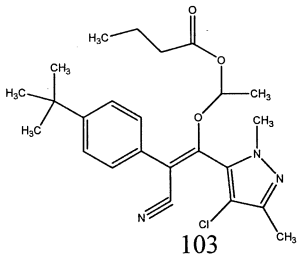
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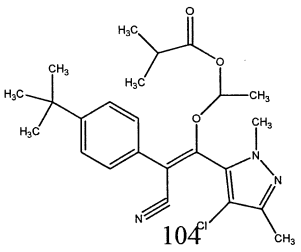
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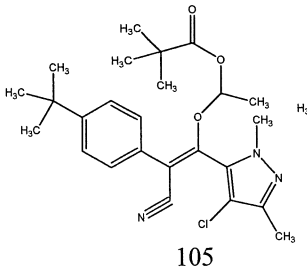
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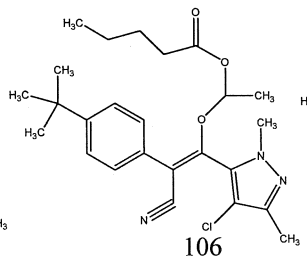
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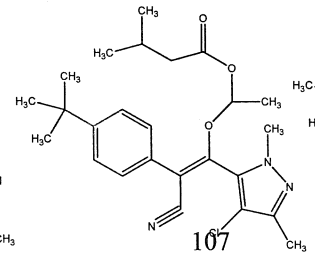
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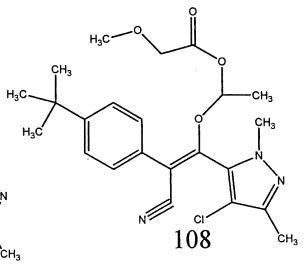
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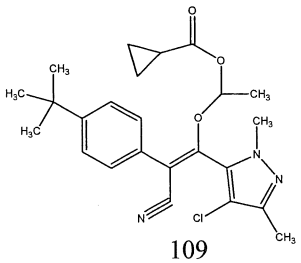
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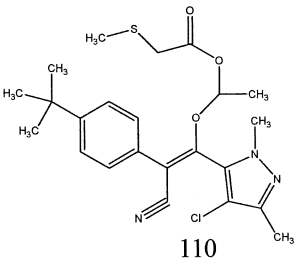
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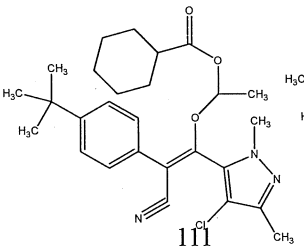
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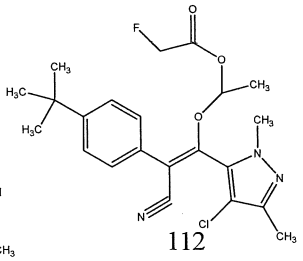
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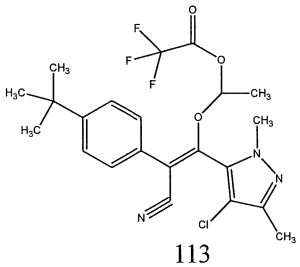
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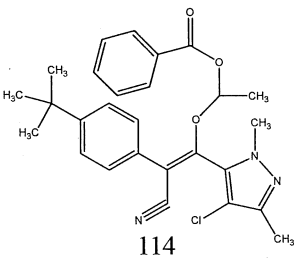
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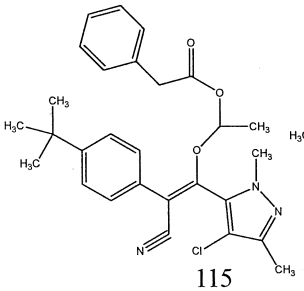
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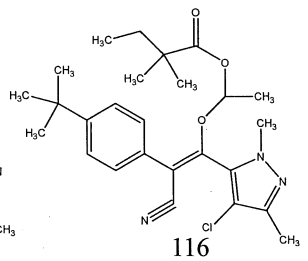
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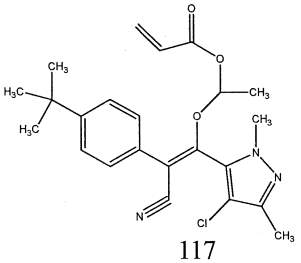
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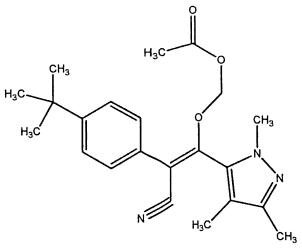
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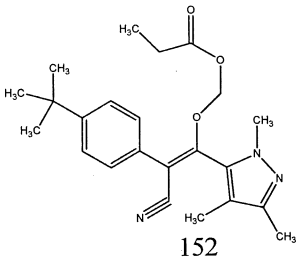
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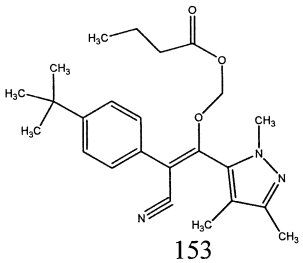
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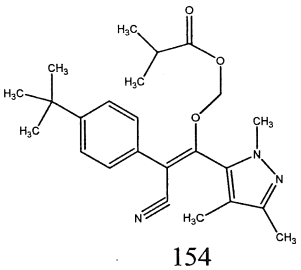
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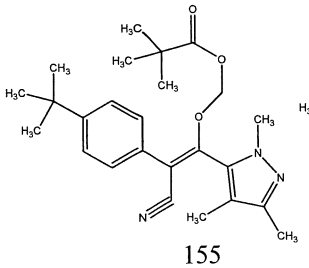
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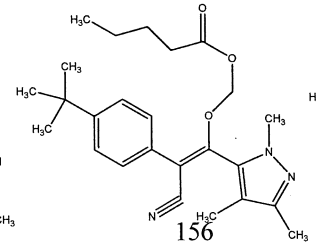
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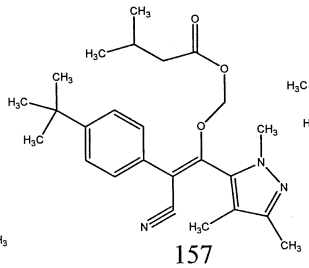
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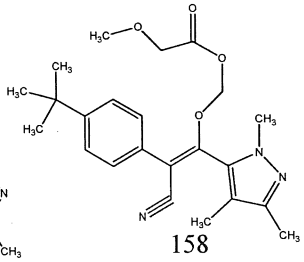
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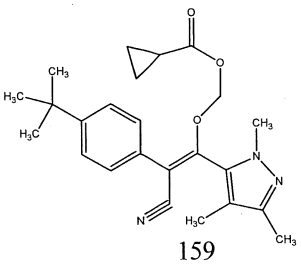
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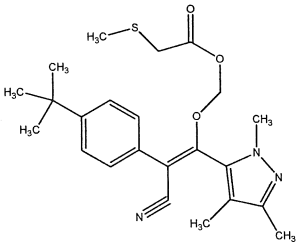
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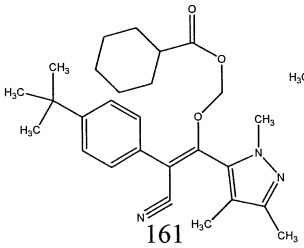
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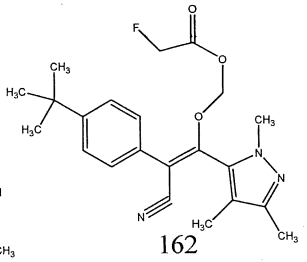
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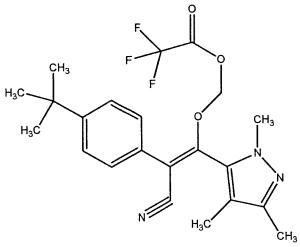
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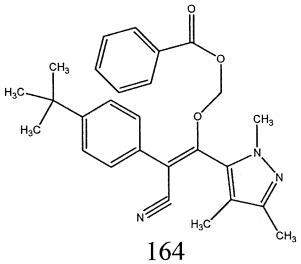
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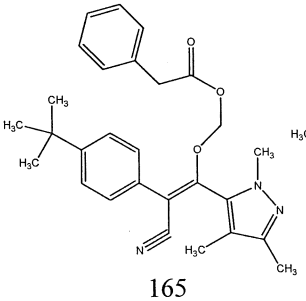
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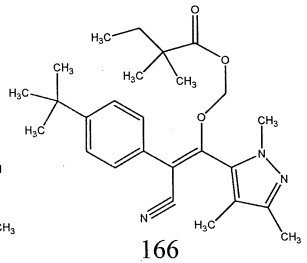
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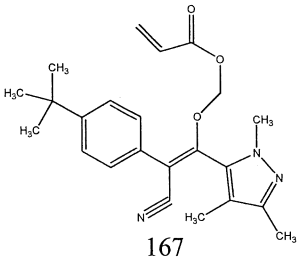
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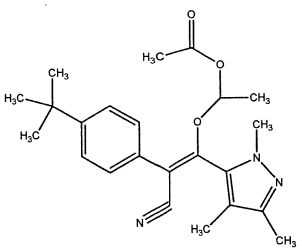
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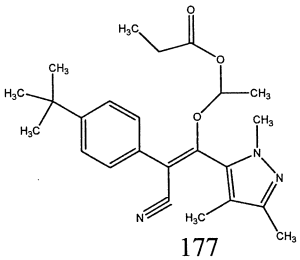
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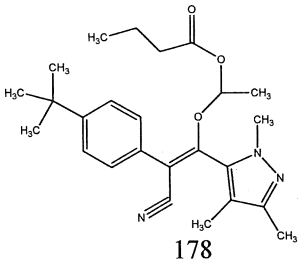
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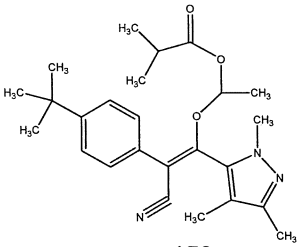
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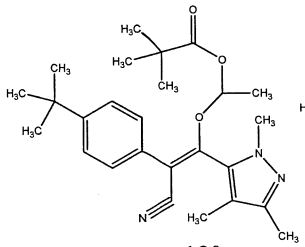
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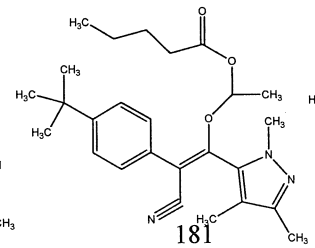
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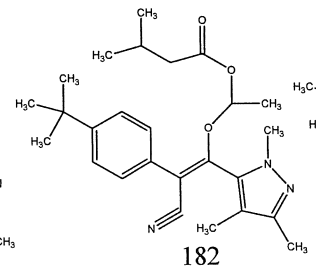
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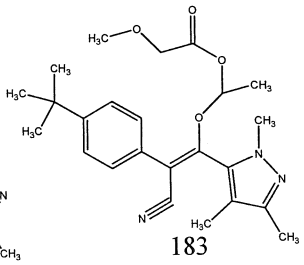
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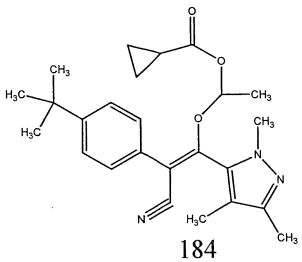
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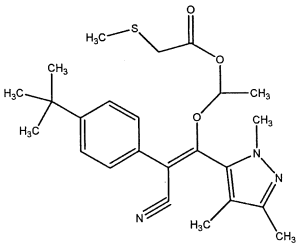
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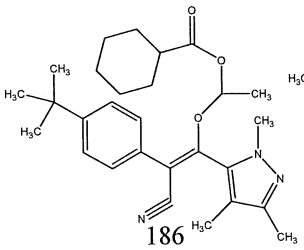
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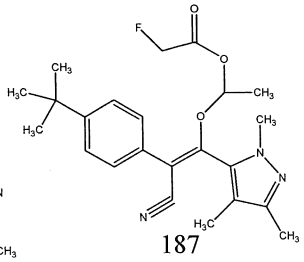
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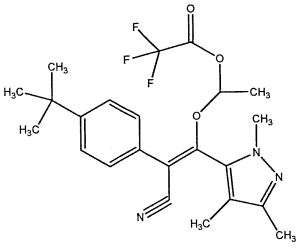
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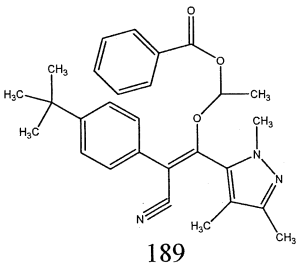
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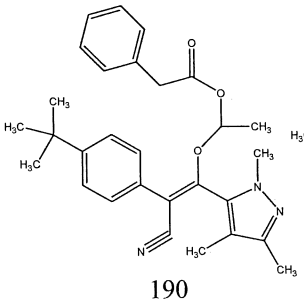
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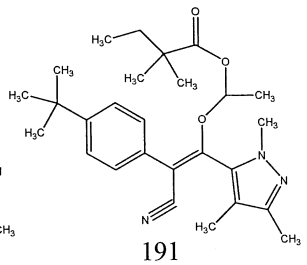
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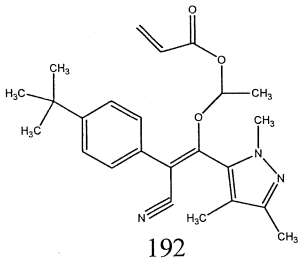
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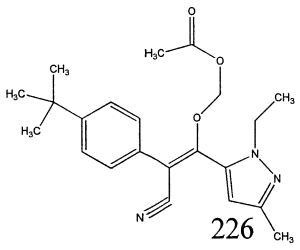
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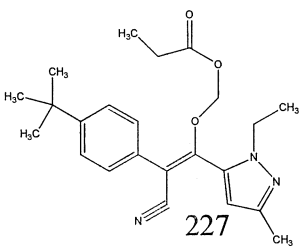
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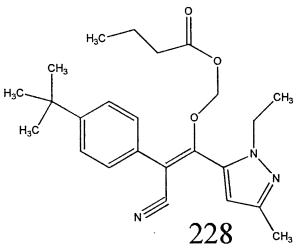
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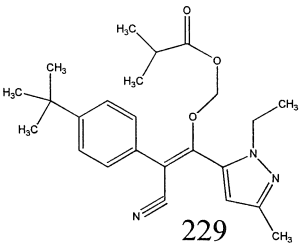
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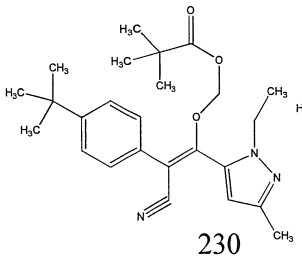
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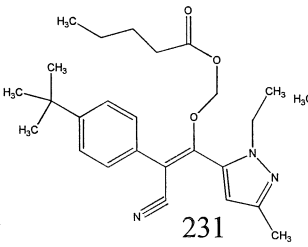
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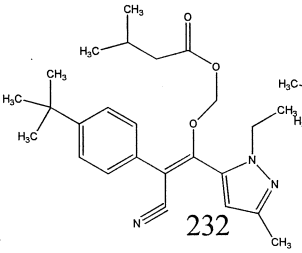
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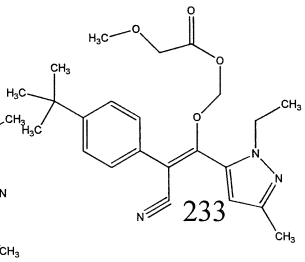
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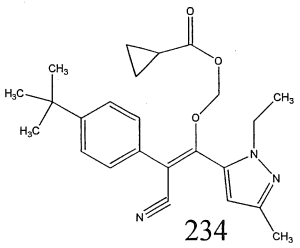
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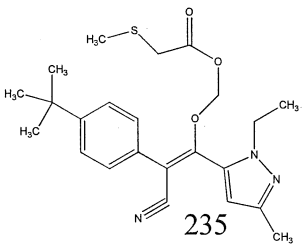
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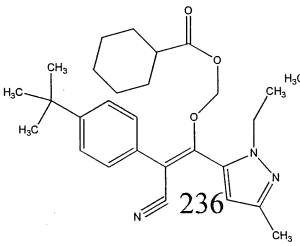
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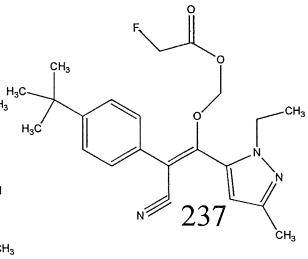
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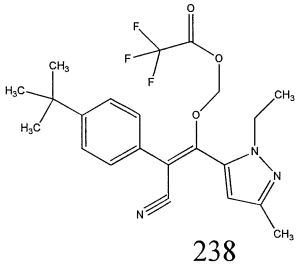
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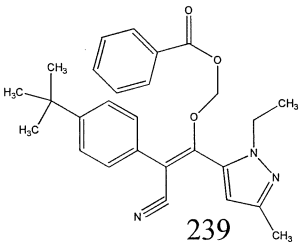
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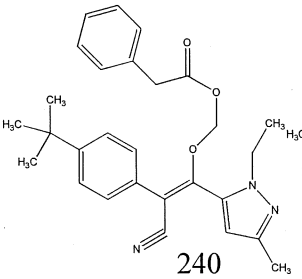
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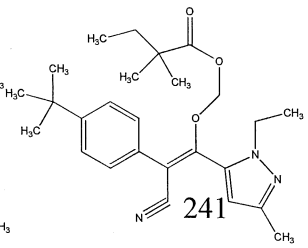
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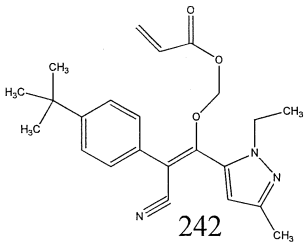
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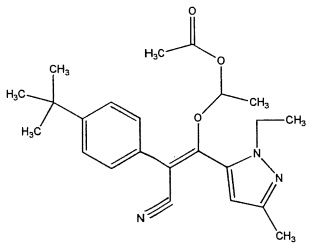

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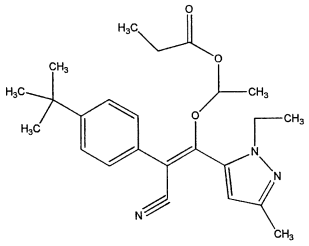

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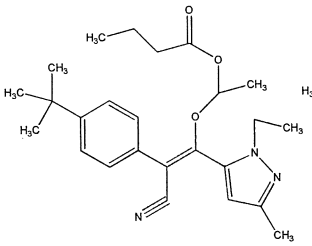

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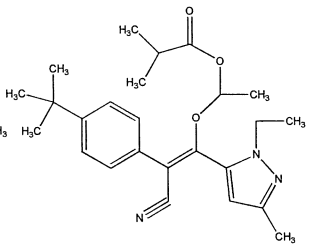

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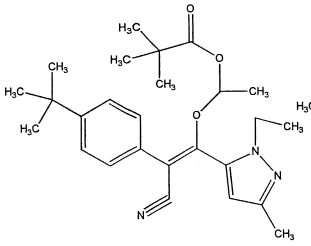

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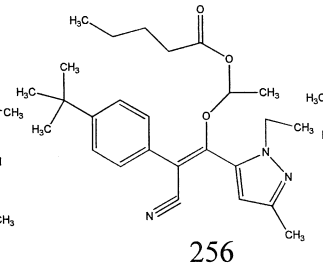

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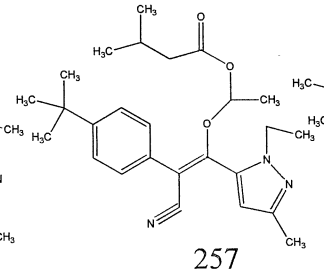

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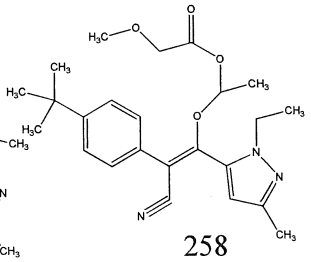

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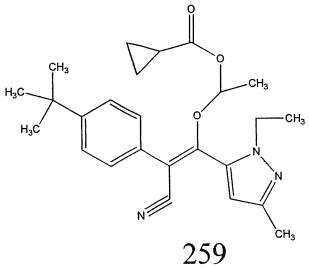

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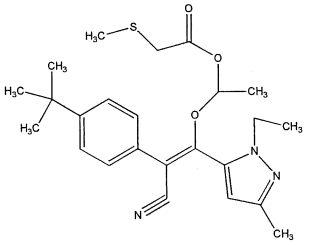

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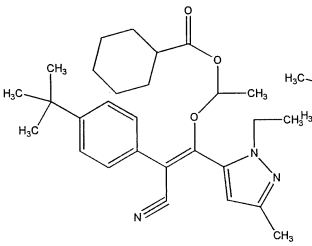

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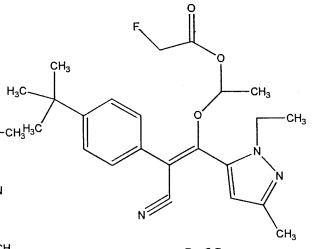

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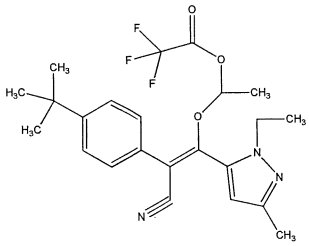

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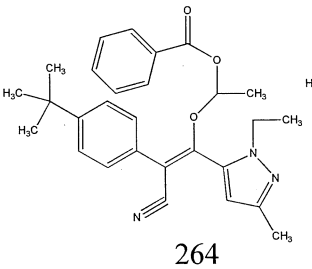

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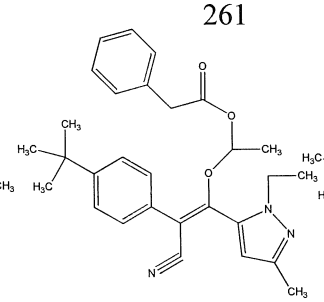

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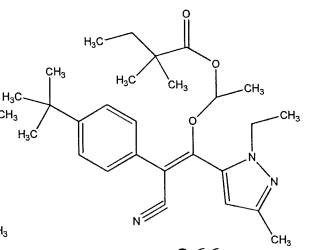

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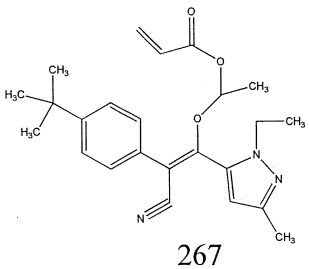

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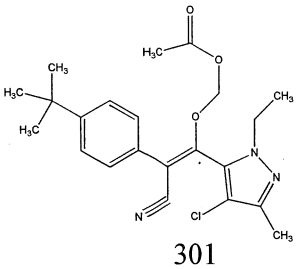
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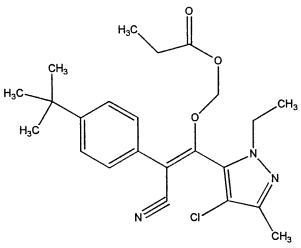
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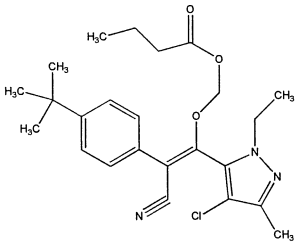
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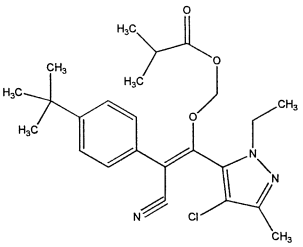
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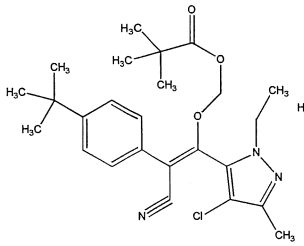
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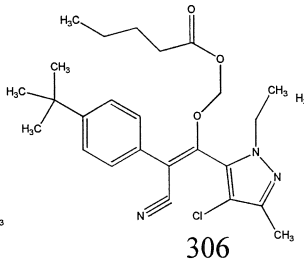
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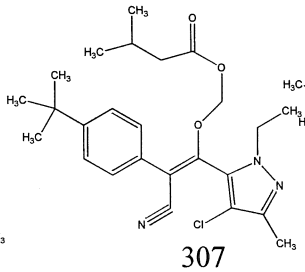
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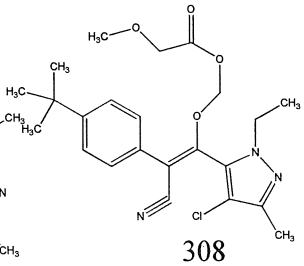
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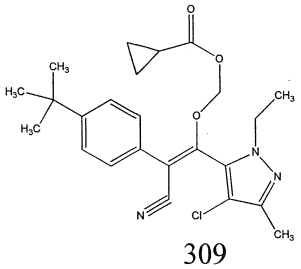
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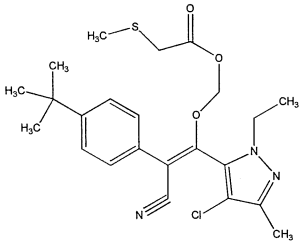
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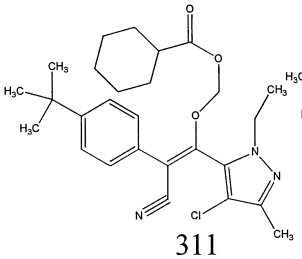
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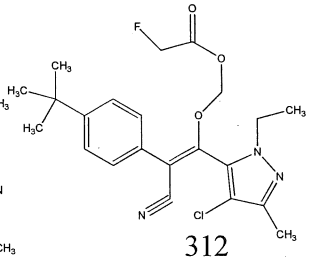
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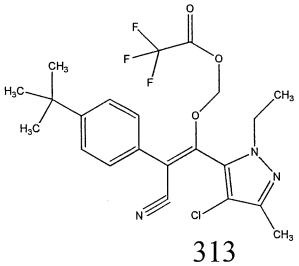
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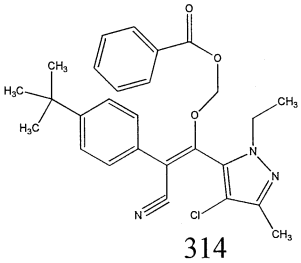
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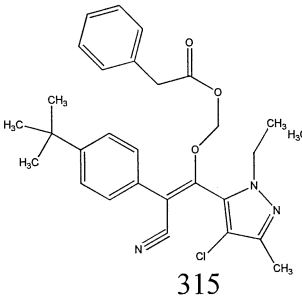
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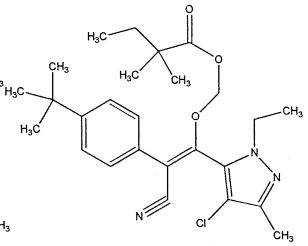
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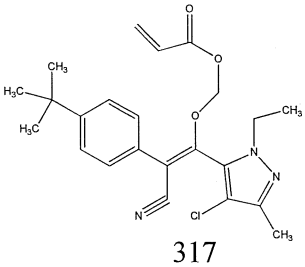
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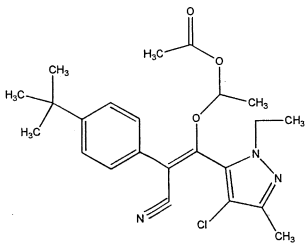

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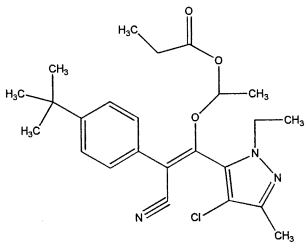

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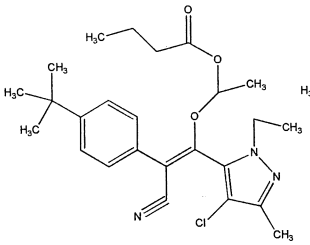

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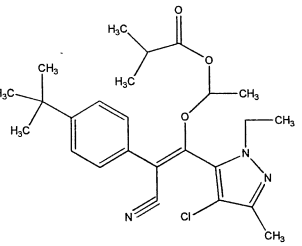

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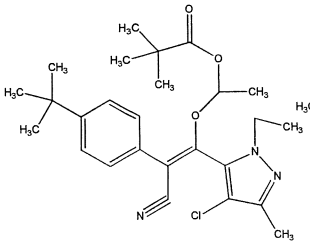

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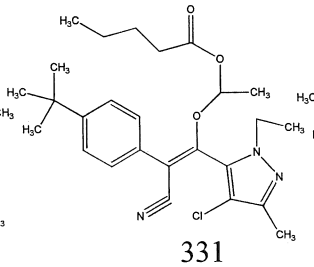

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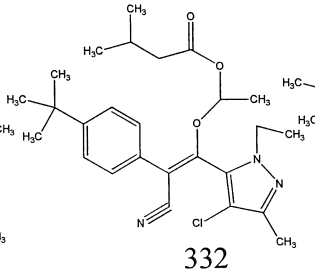

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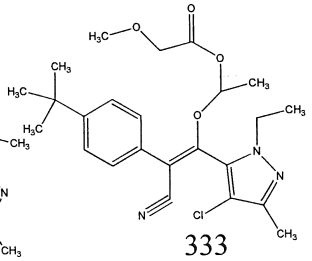

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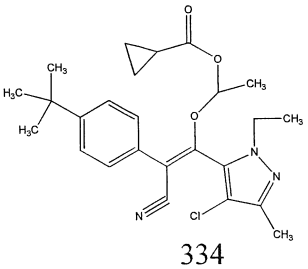

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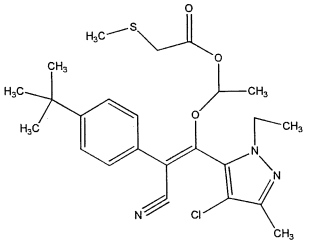

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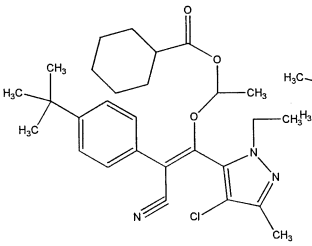

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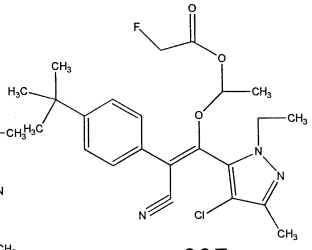

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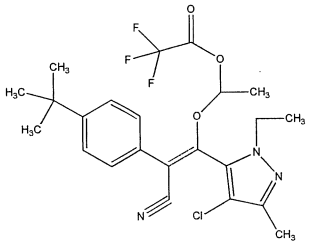

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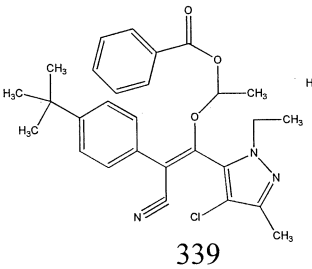

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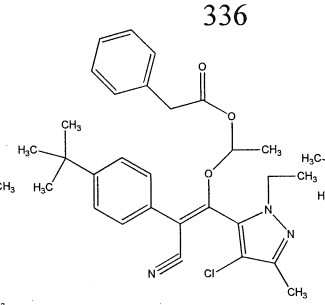

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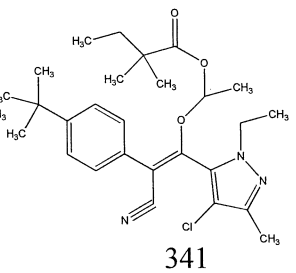

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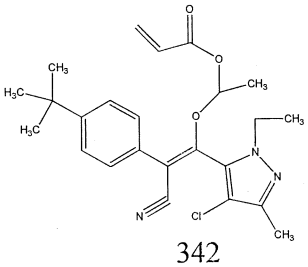

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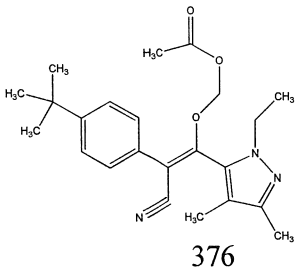
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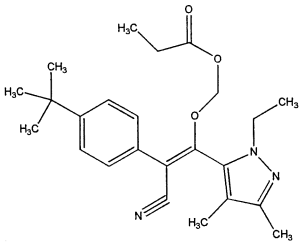
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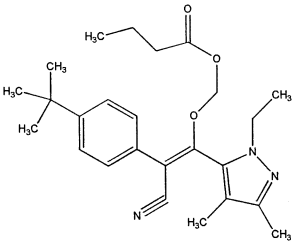
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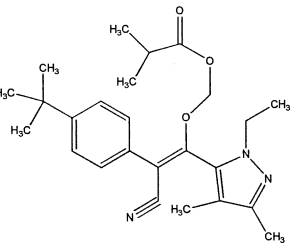
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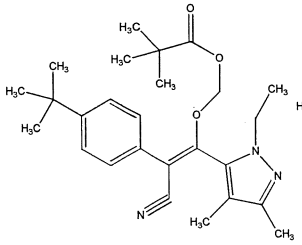
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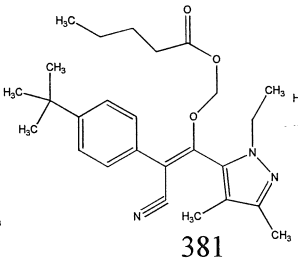
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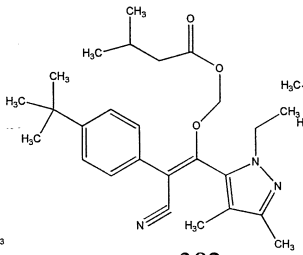
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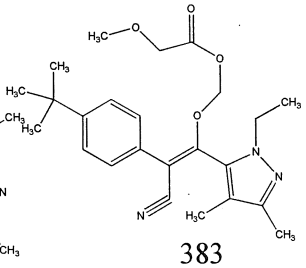
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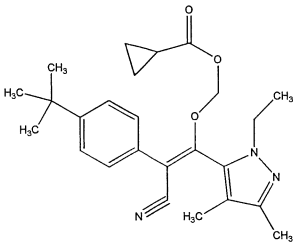
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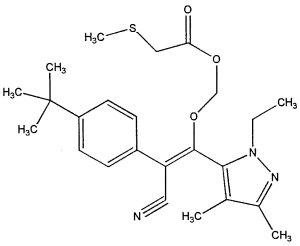
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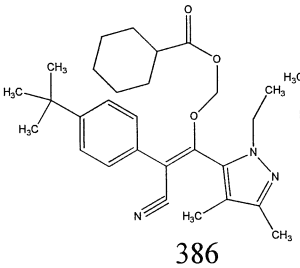
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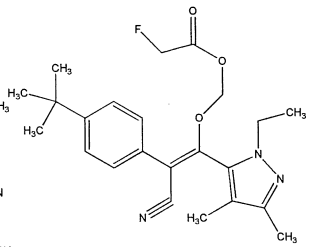
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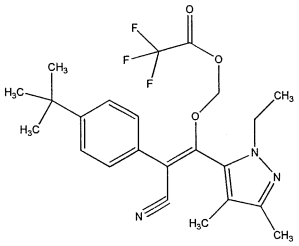
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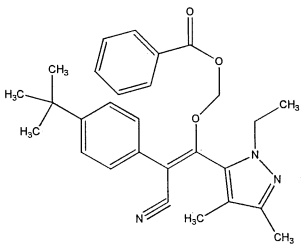
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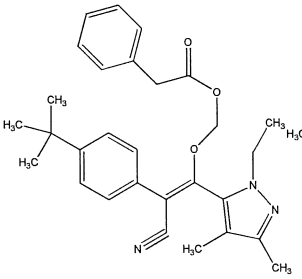
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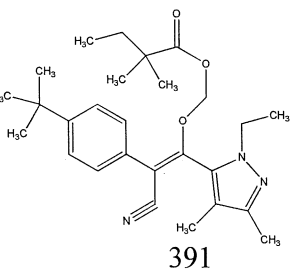
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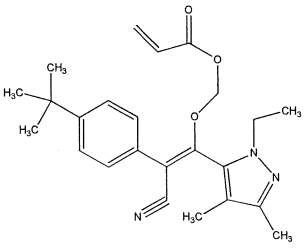
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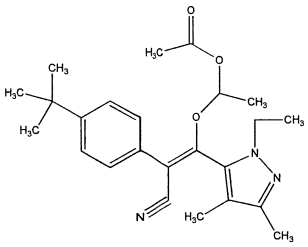

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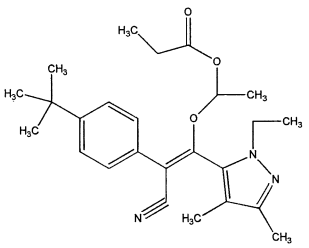

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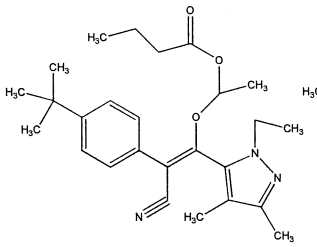

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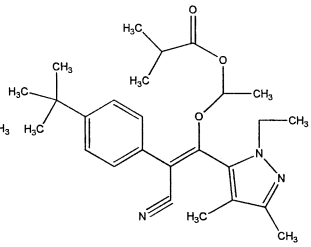

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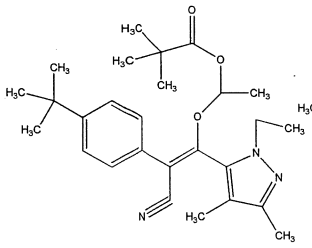

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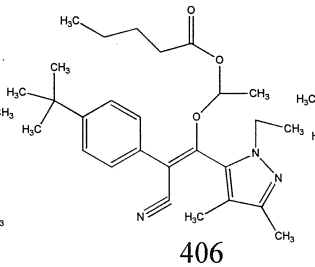

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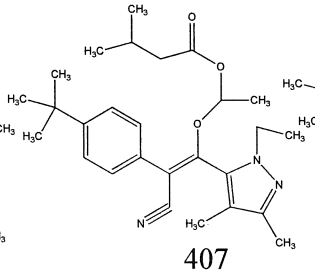

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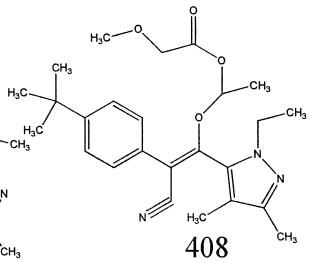

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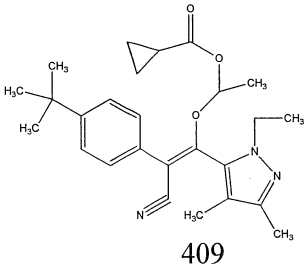

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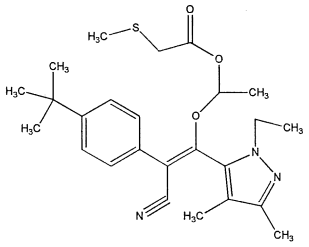

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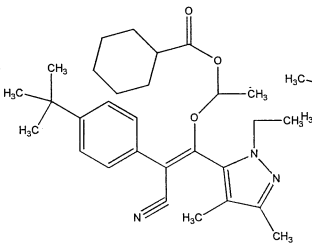

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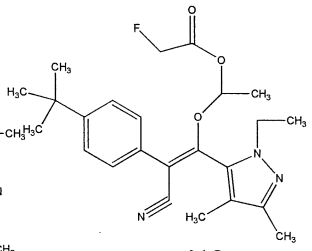

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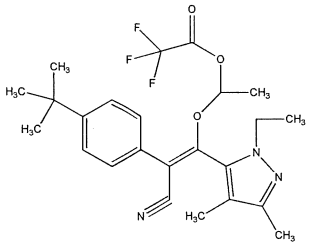

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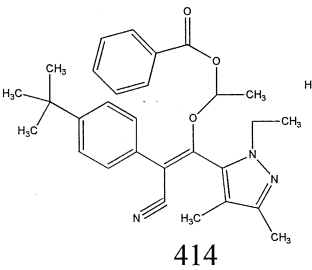

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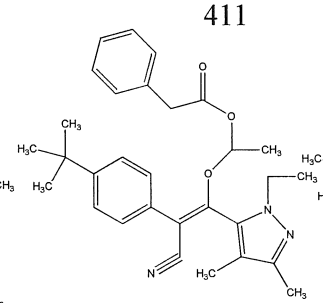

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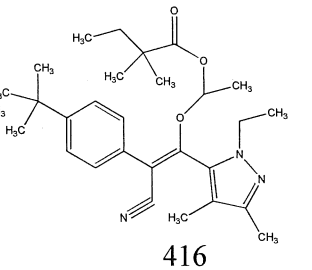

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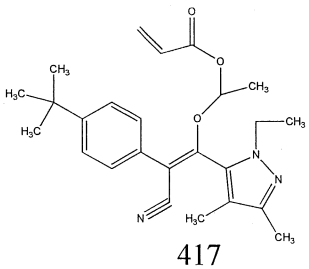

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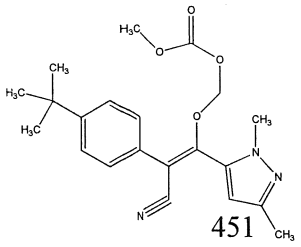

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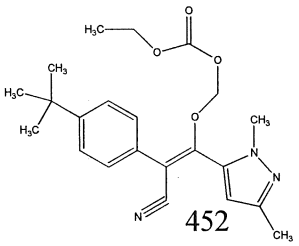

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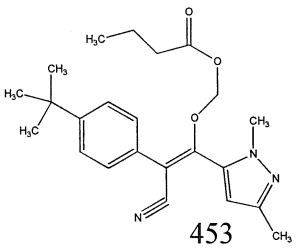

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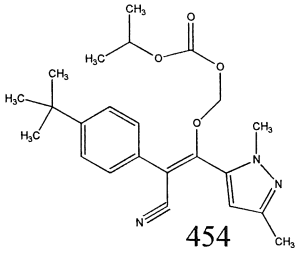

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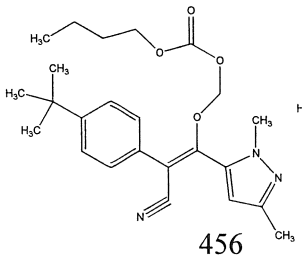

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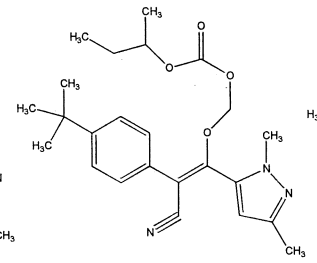

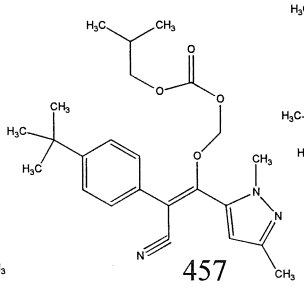

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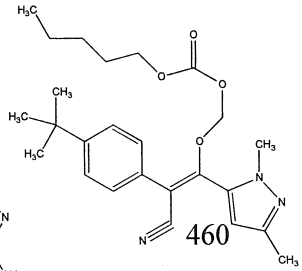

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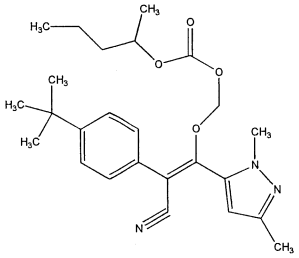

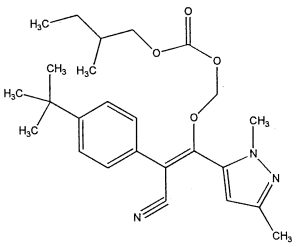

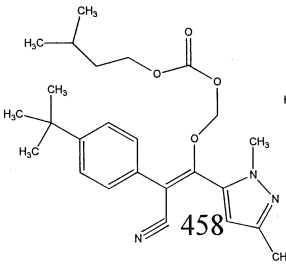

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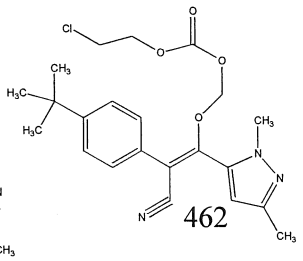

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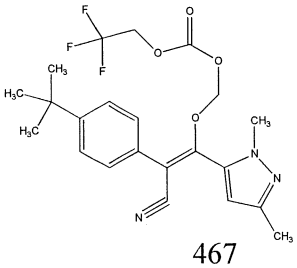

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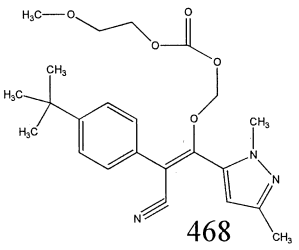

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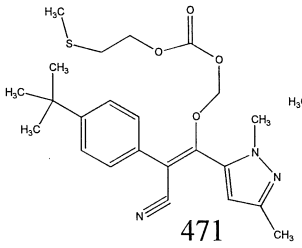

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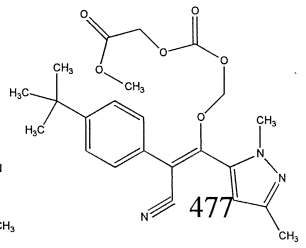

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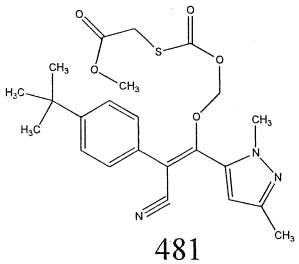

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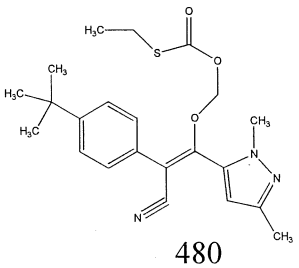

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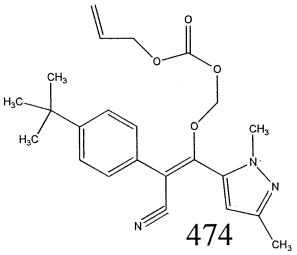

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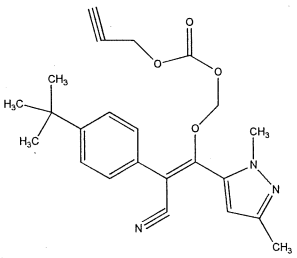

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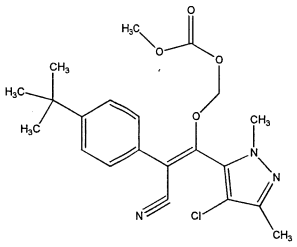
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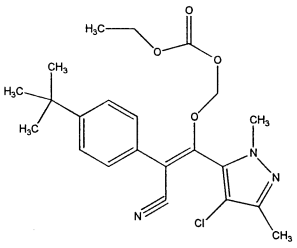
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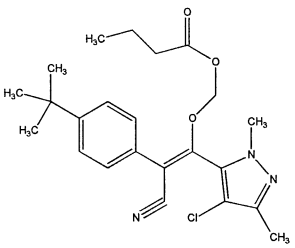
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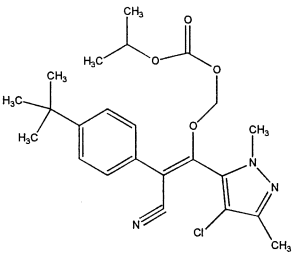
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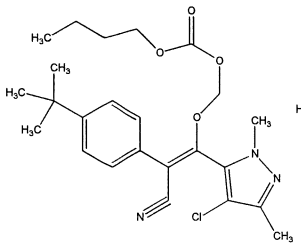
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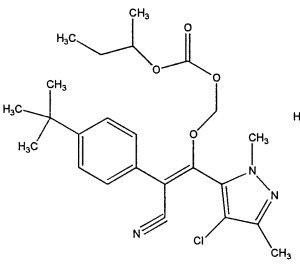

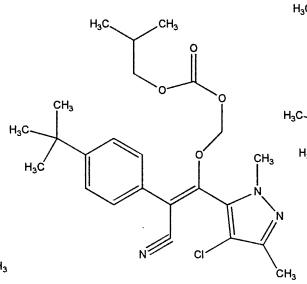
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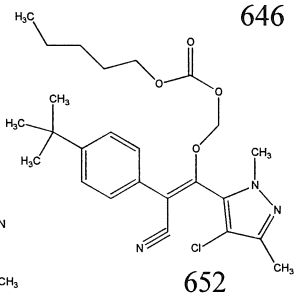
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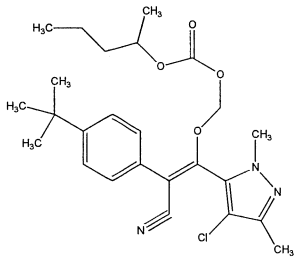

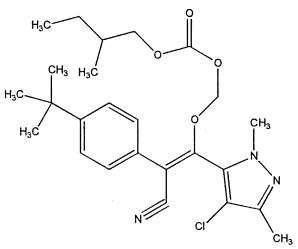

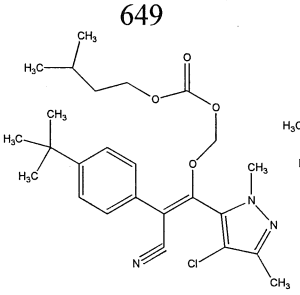
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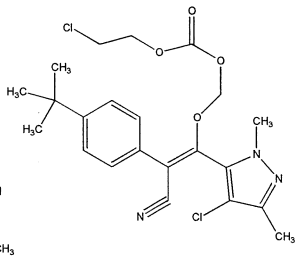
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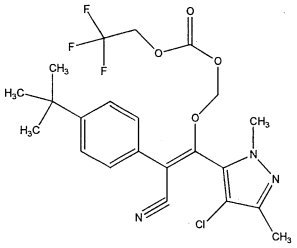
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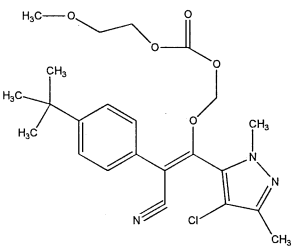
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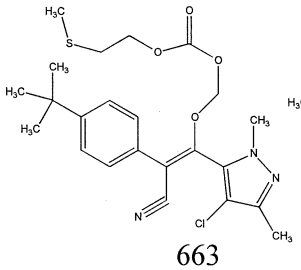
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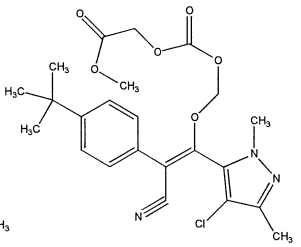
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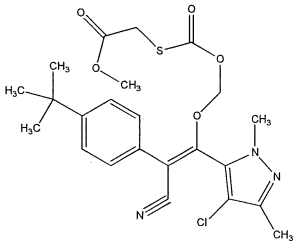
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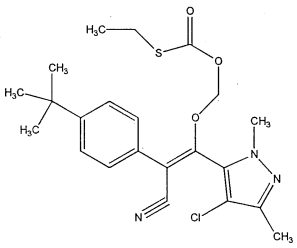
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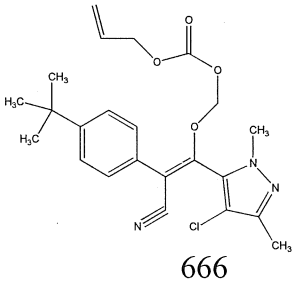
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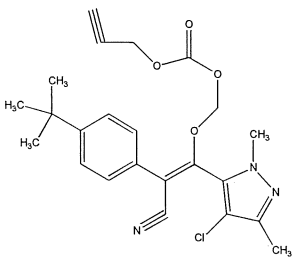
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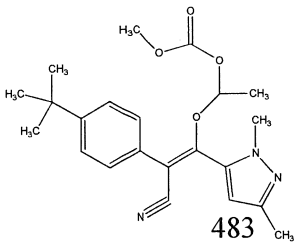

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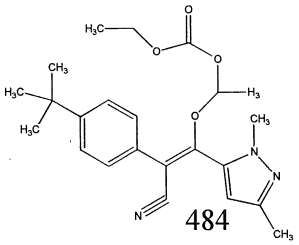

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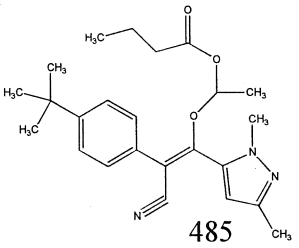

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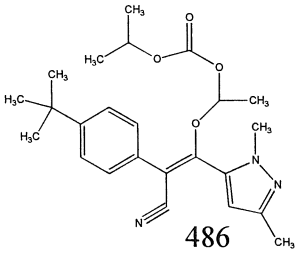

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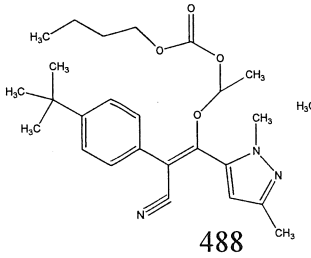

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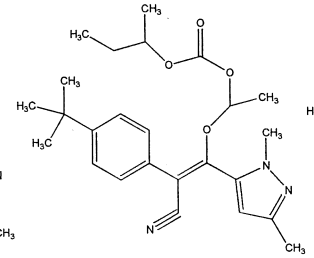

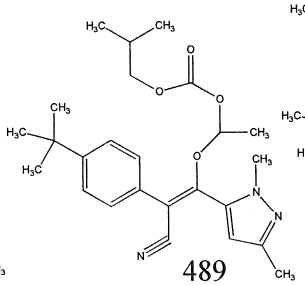

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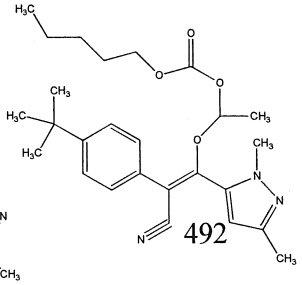

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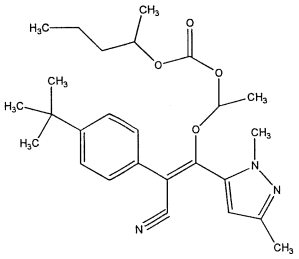

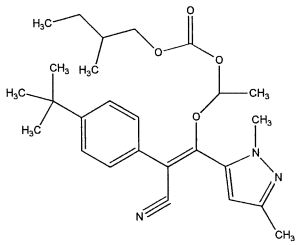

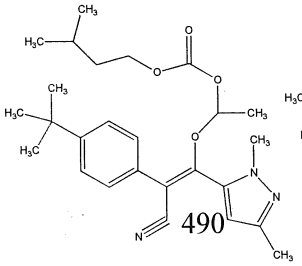

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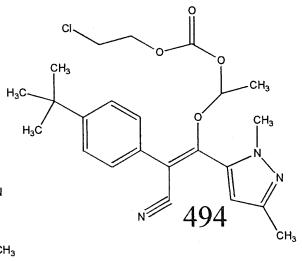

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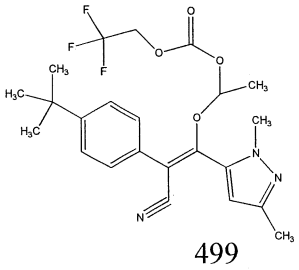

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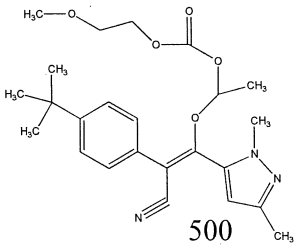

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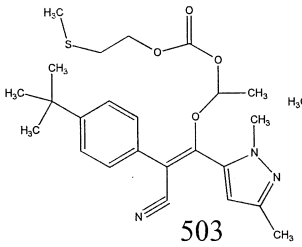

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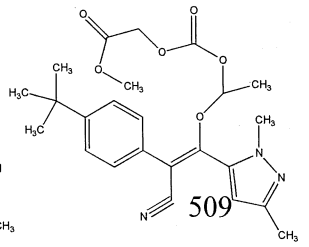

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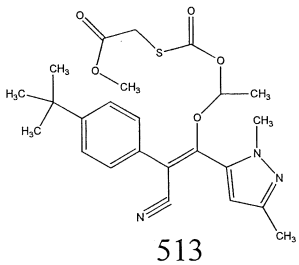

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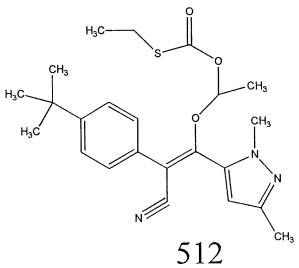

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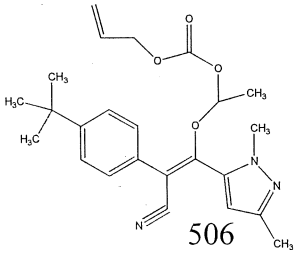

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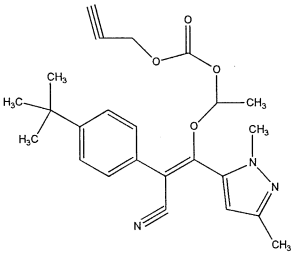

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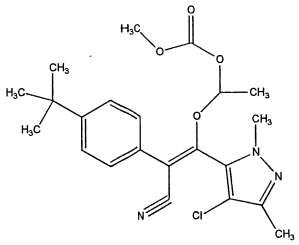

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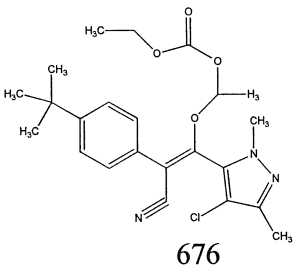

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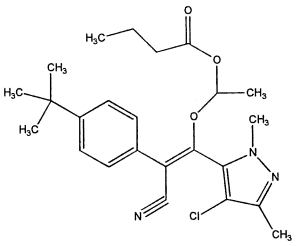

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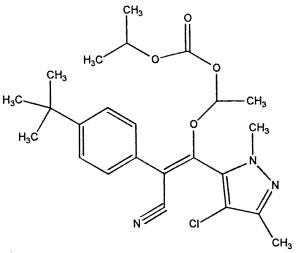

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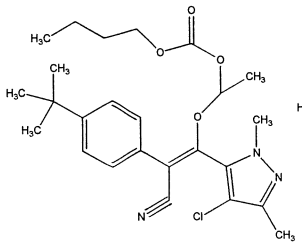

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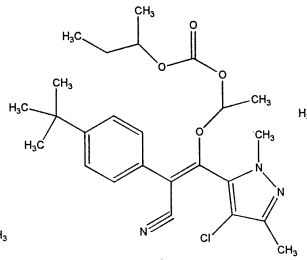

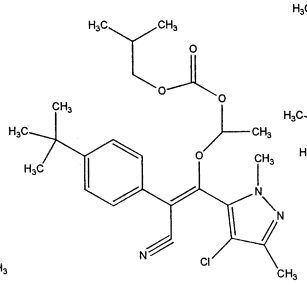

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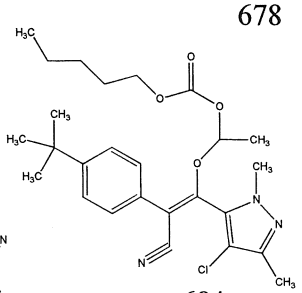

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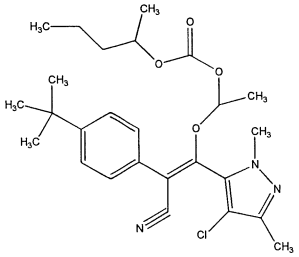

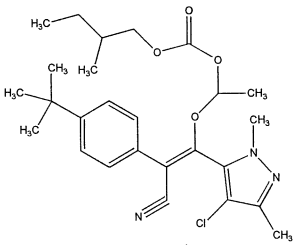

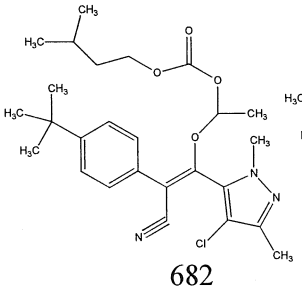

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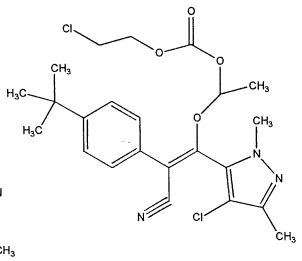

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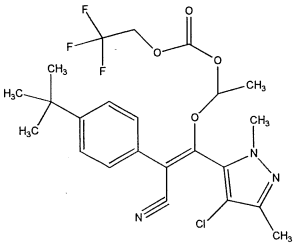

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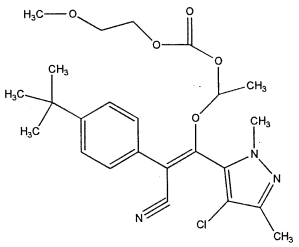

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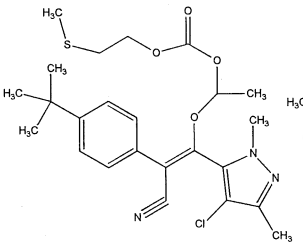

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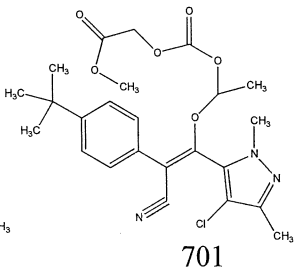

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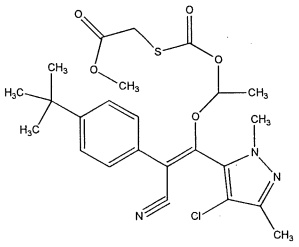

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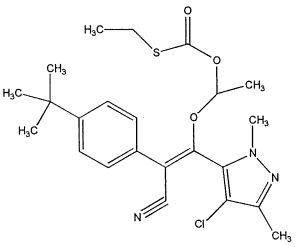

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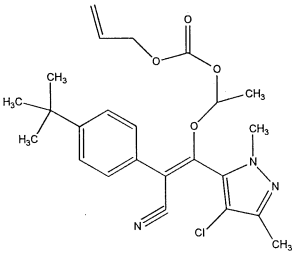

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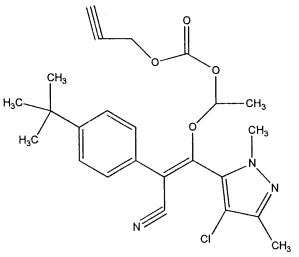

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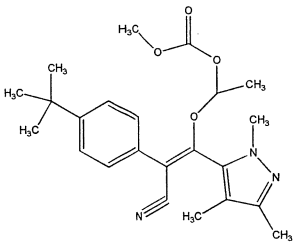

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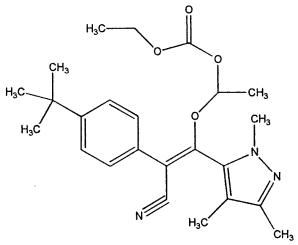

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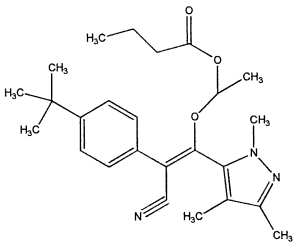

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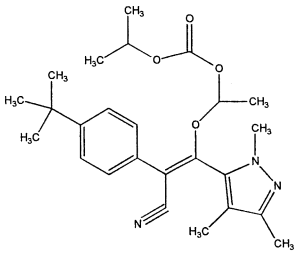

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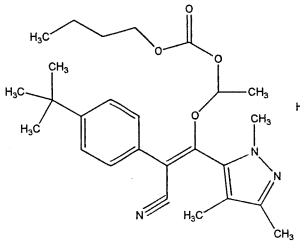

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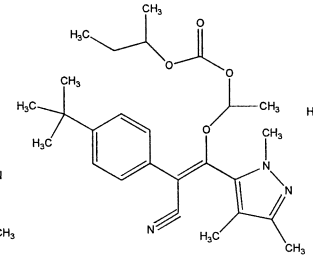

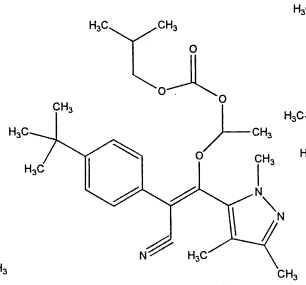

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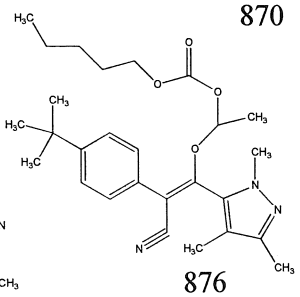

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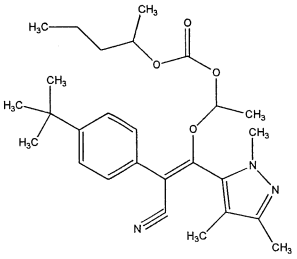

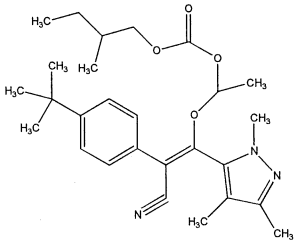

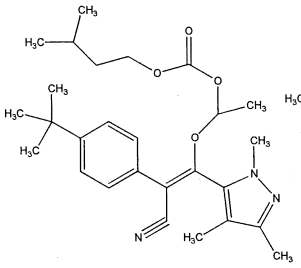

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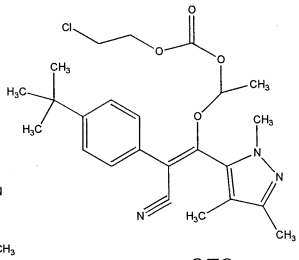

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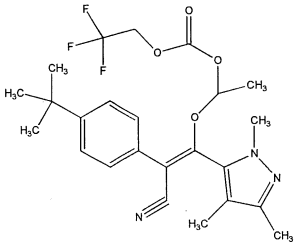

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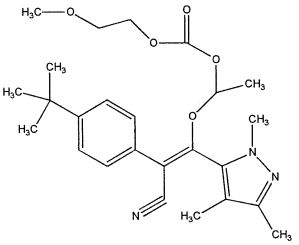

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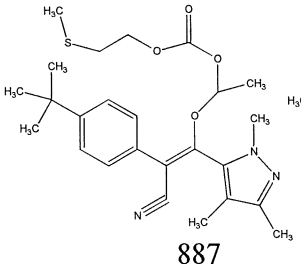

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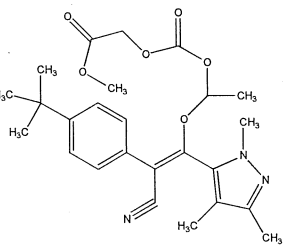

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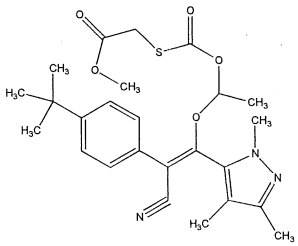

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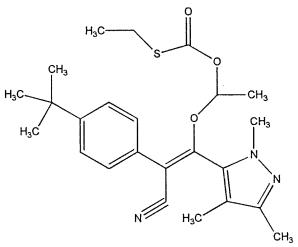

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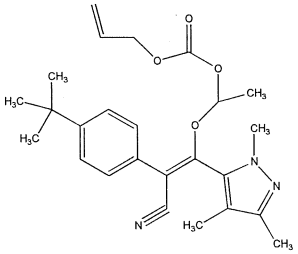

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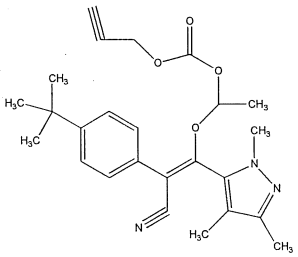

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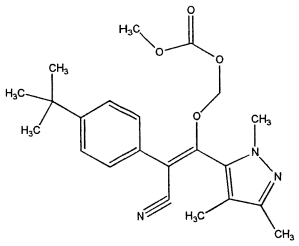
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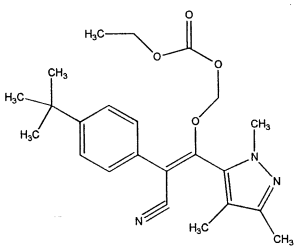
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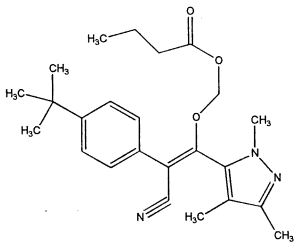
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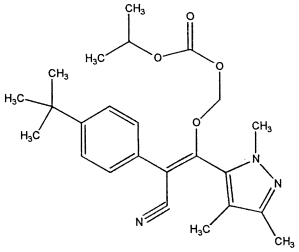
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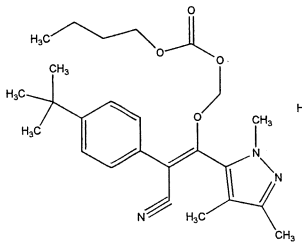
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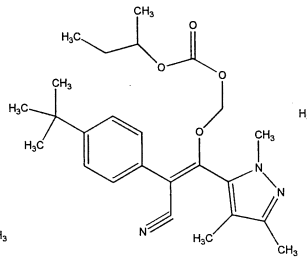

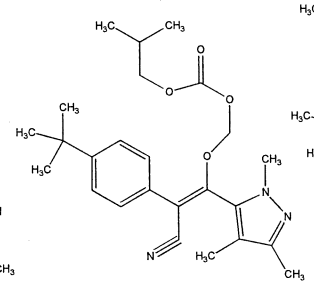
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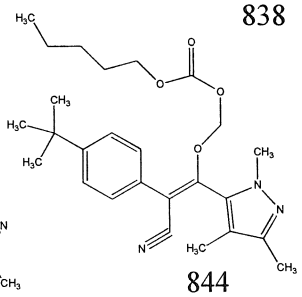
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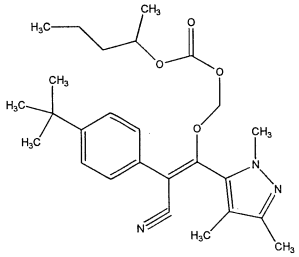

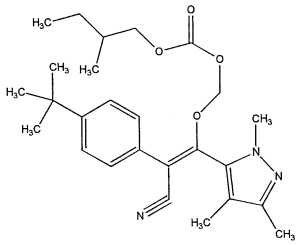

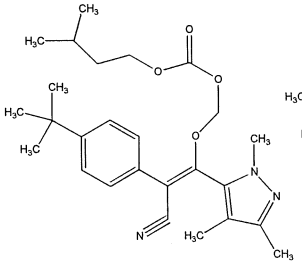
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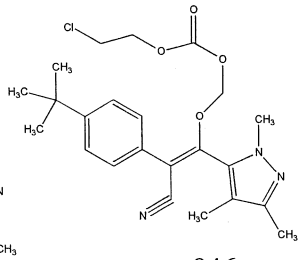
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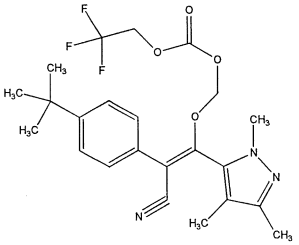
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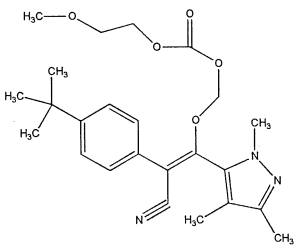
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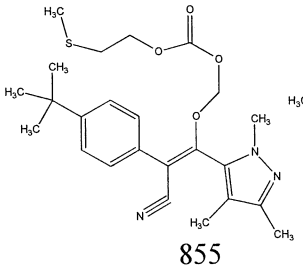
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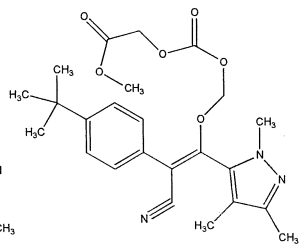
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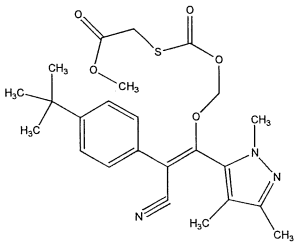
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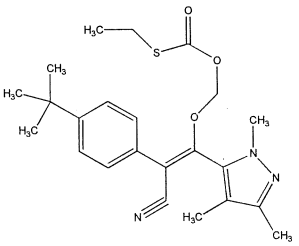
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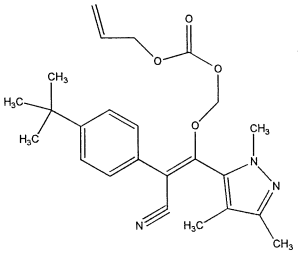
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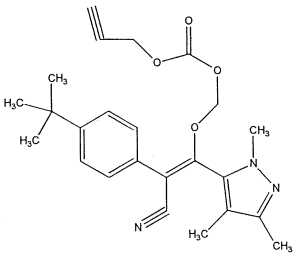
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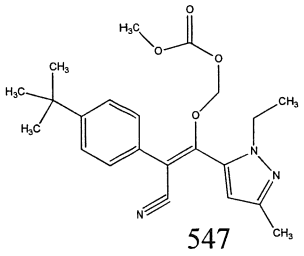
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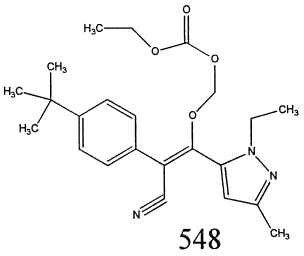
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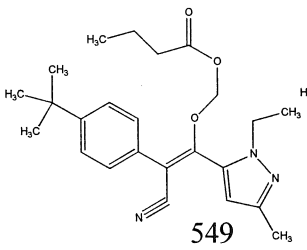
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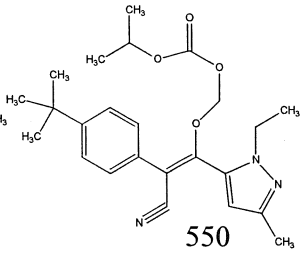
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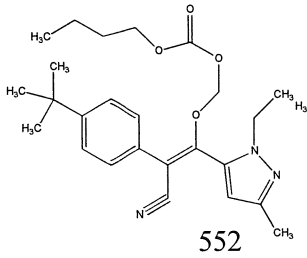
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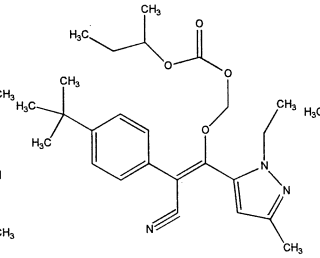

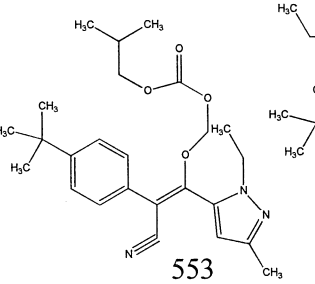
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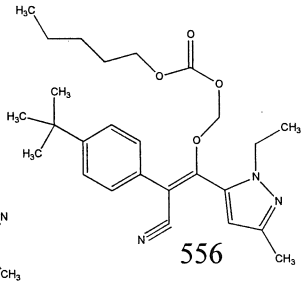
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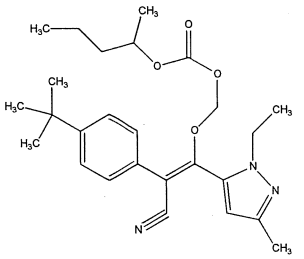

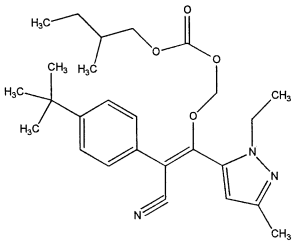

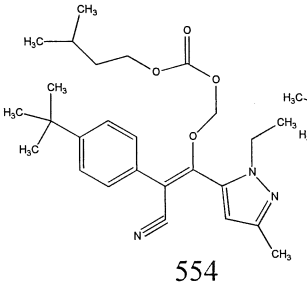
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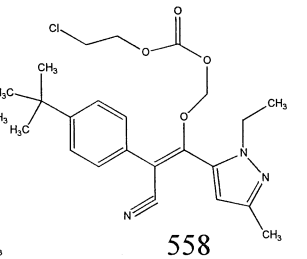
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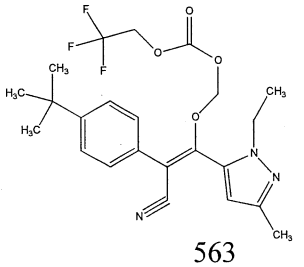
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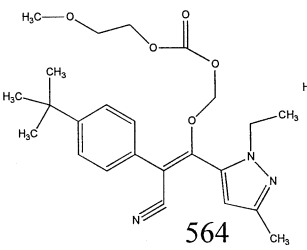
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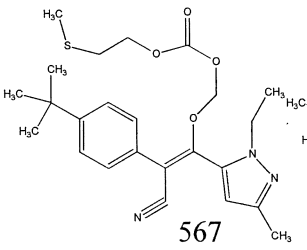
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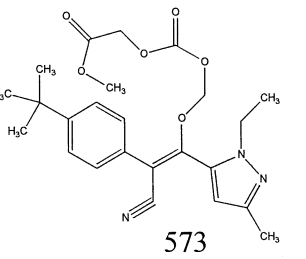
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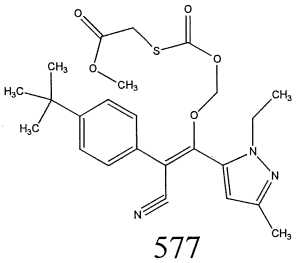
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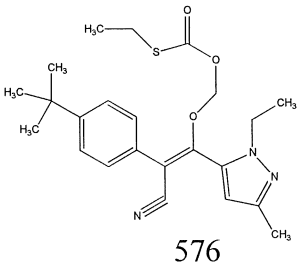
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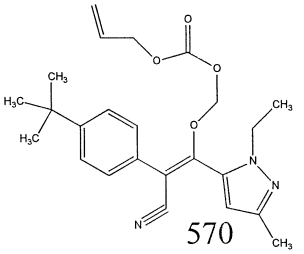
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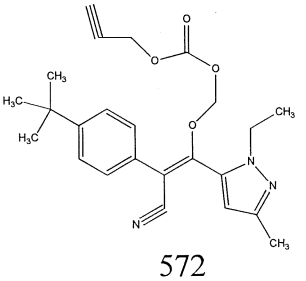
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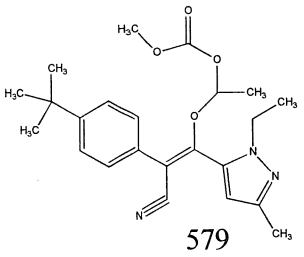
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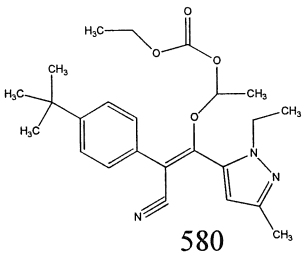
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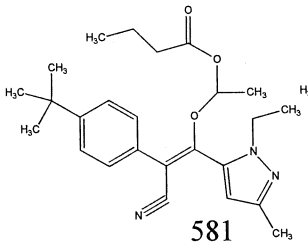
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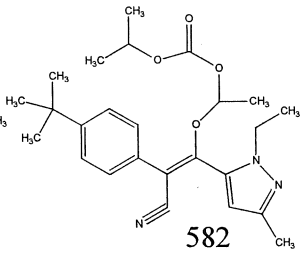
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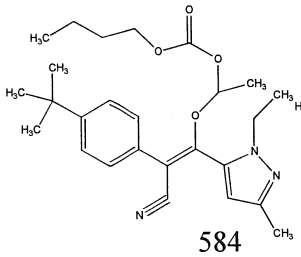
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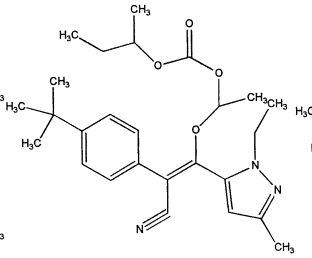

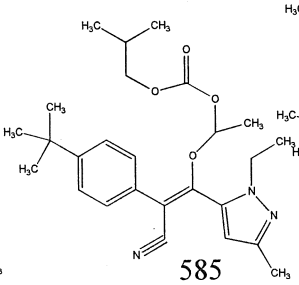
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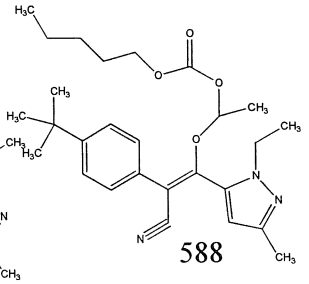
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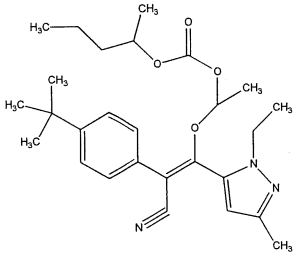

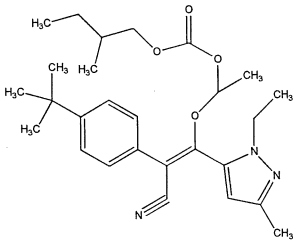

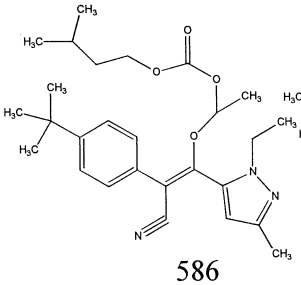
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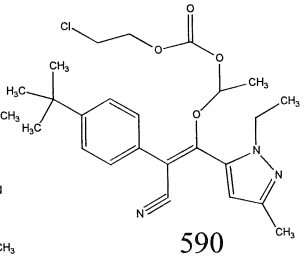
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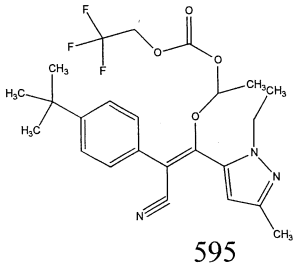
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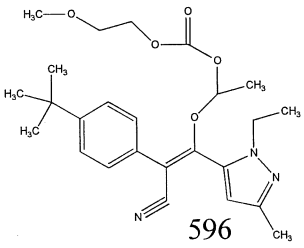
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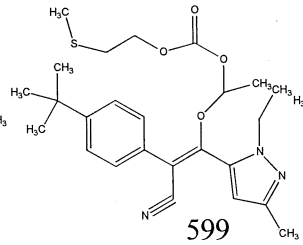
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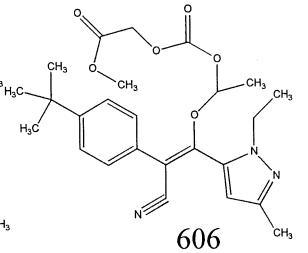
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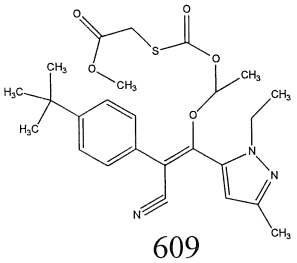
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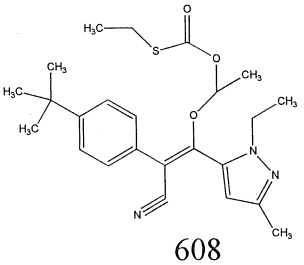
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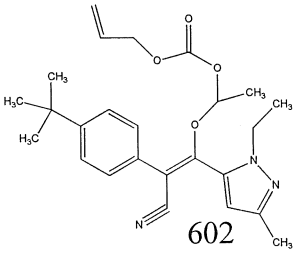
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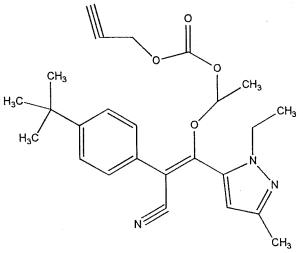
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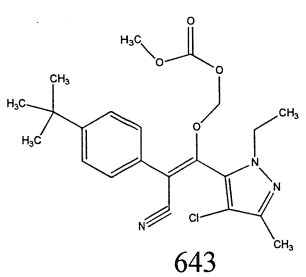

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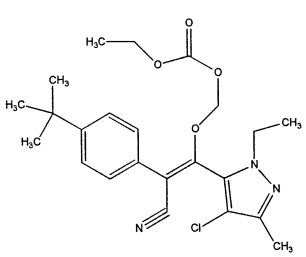

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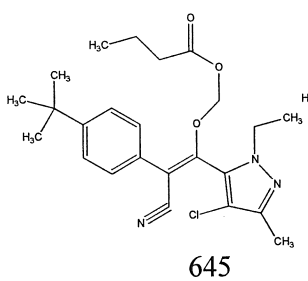

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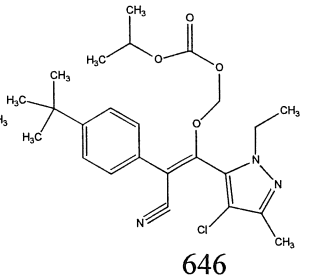

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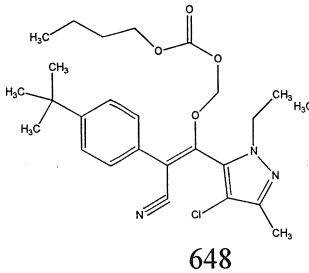

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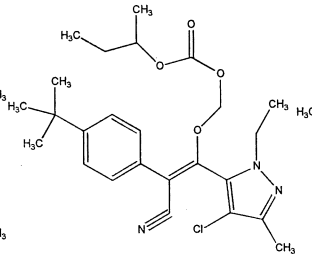

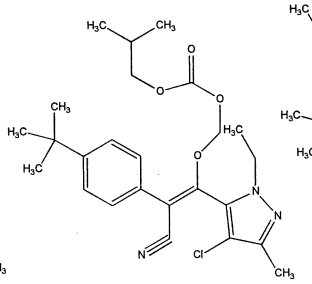

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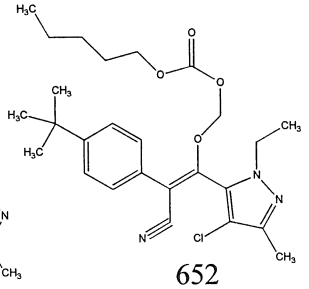

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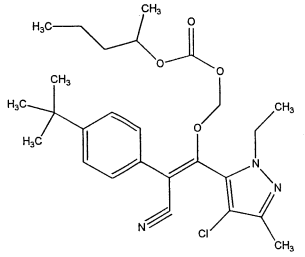

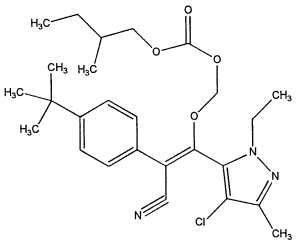

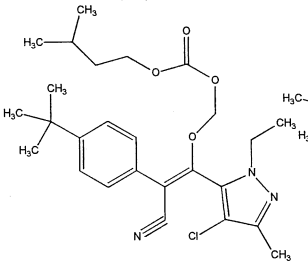

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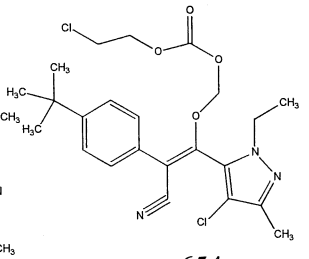

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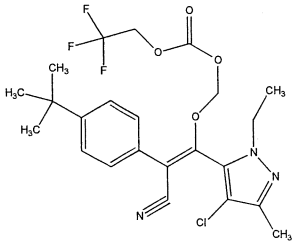

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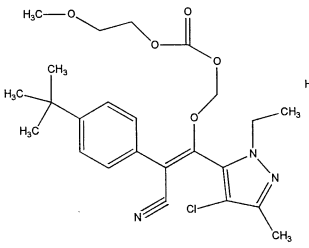

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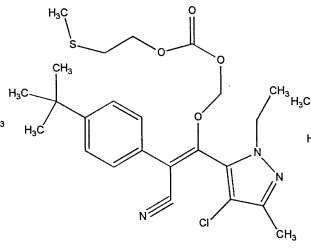

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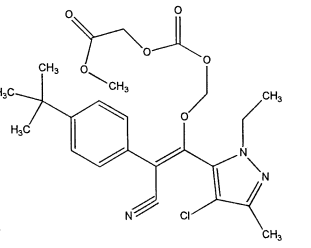

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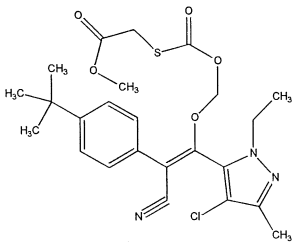

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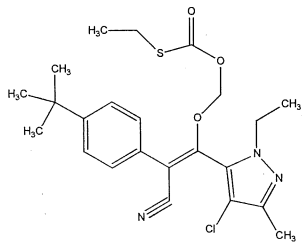

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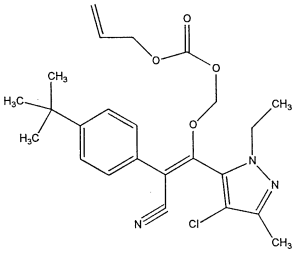

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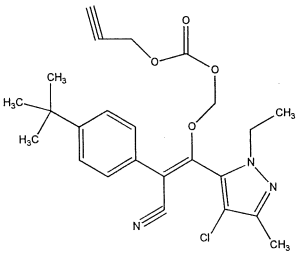

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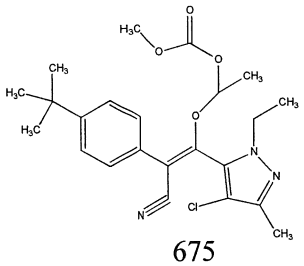

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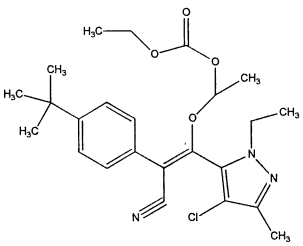

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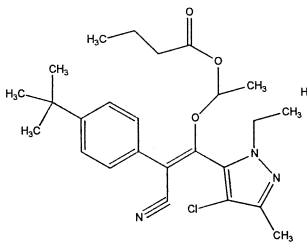

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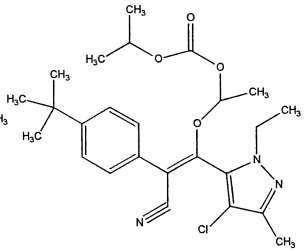

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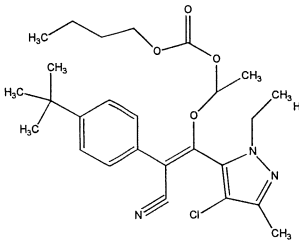

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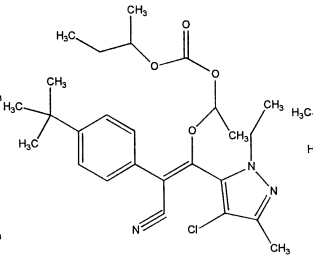

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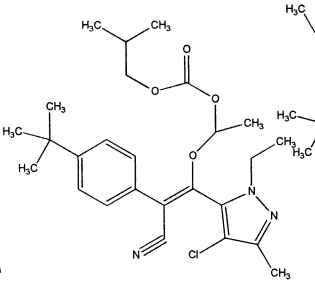

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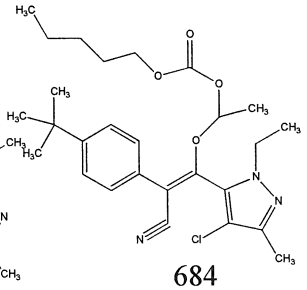

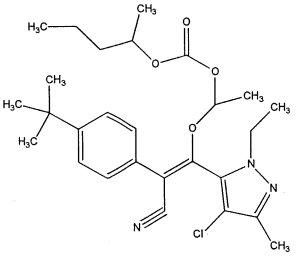

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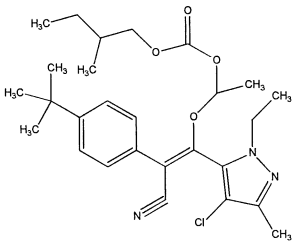

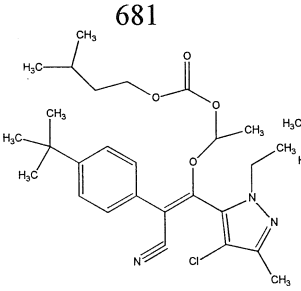

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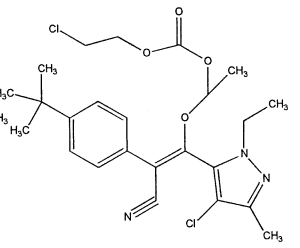

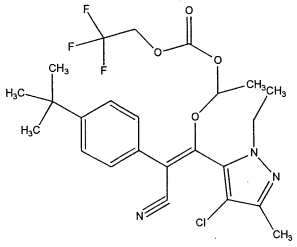

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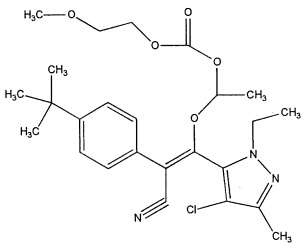

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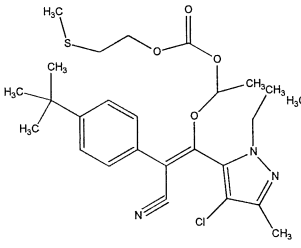

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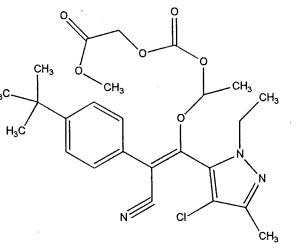

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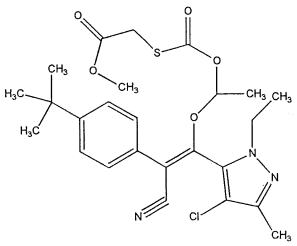

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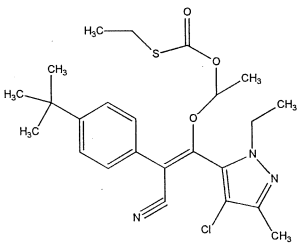

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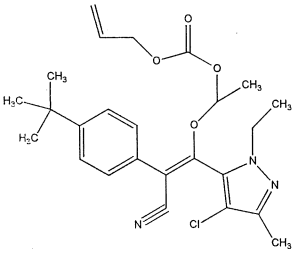

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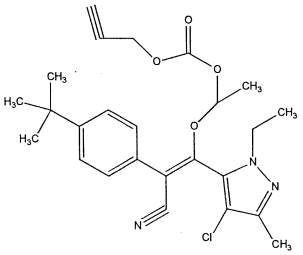

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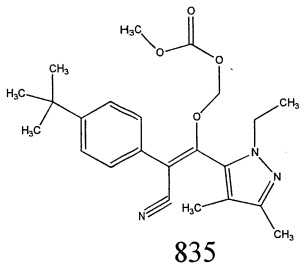
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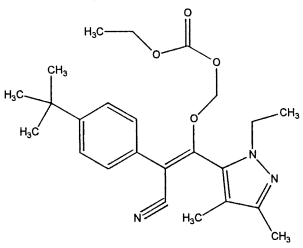
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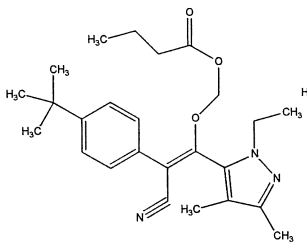
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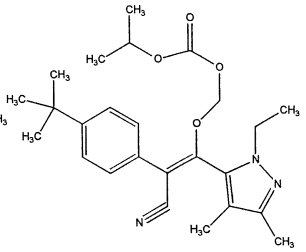
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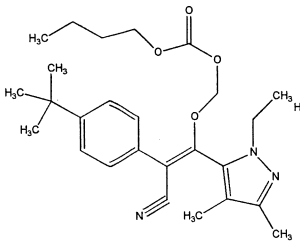
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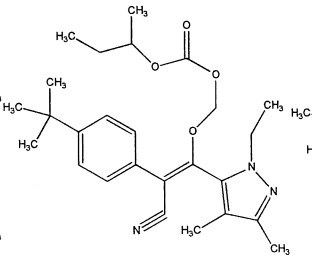

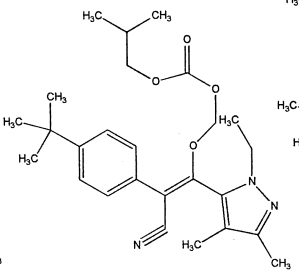
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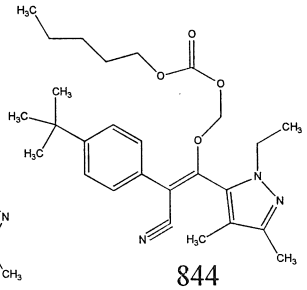
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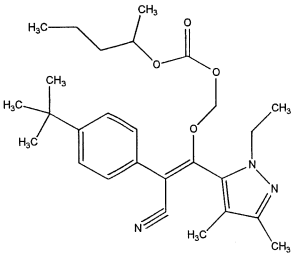

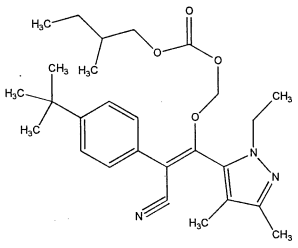

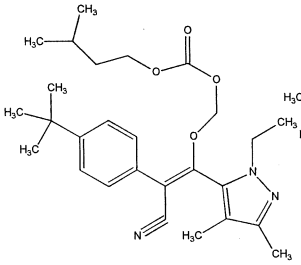
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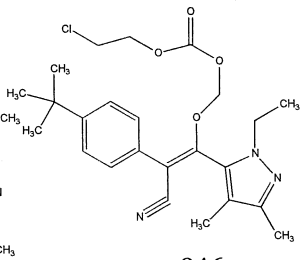
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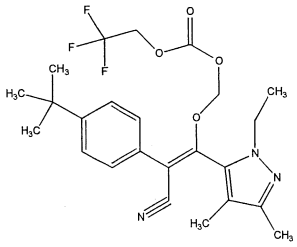
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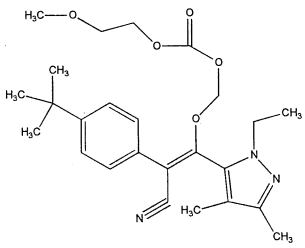
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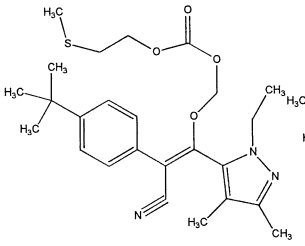
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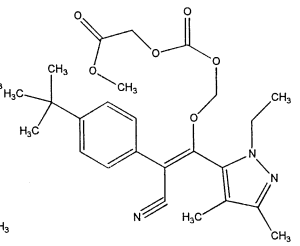
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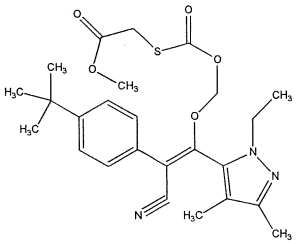
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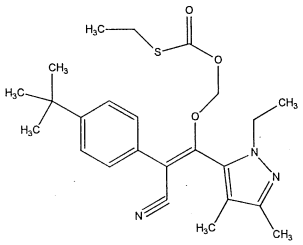
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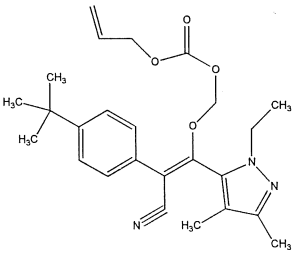
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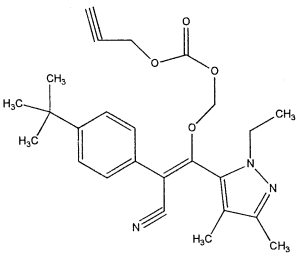
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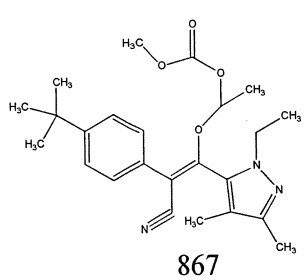
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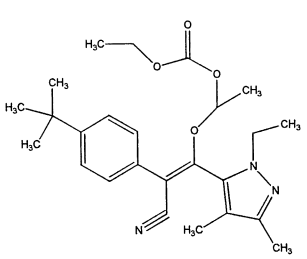
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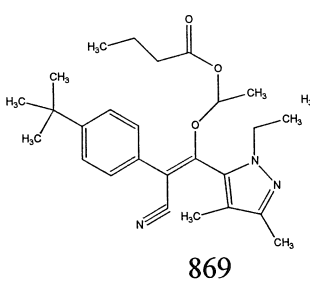
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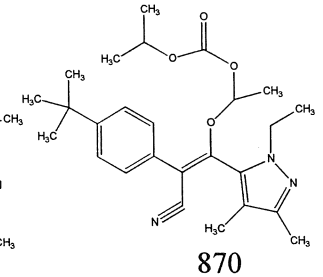
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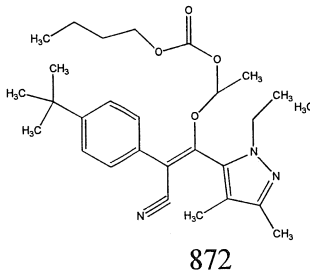
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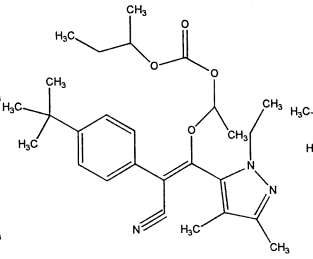

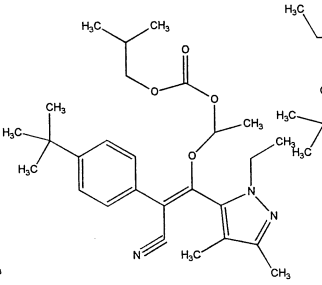
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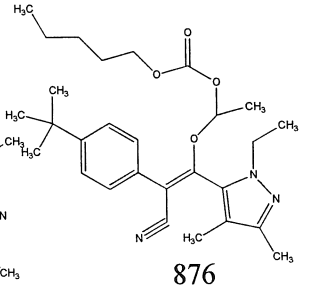
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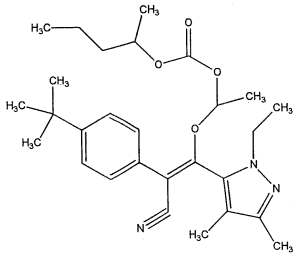

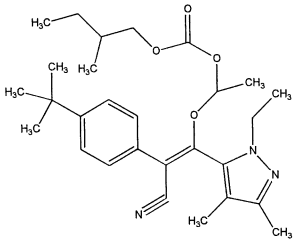

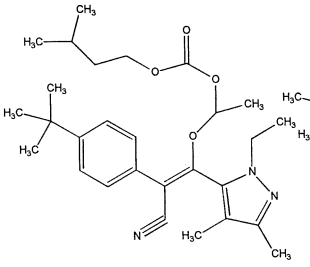
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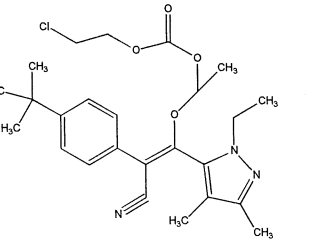
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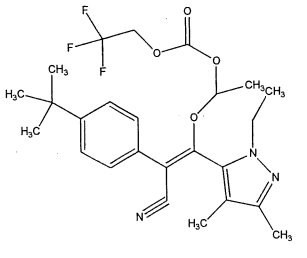
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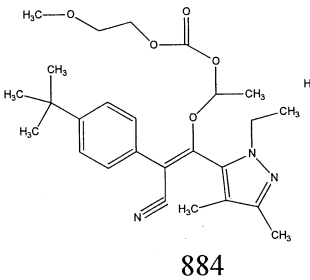
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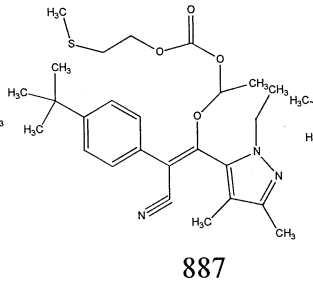
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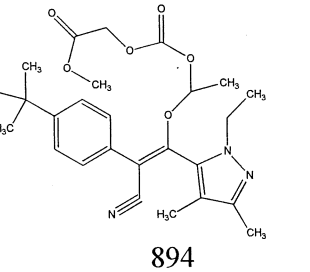
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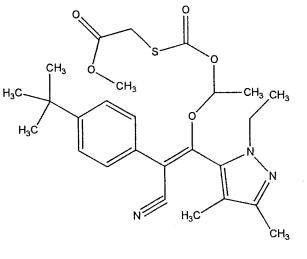
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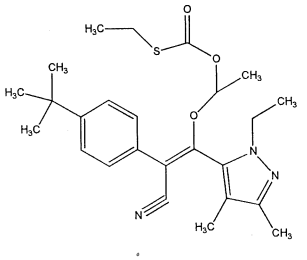
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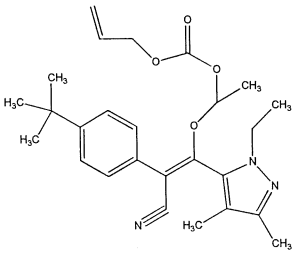
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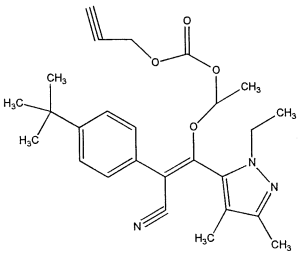
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Đối với dẫn xuất pyrazol được thể hiện trong số các hợp chất trên đây, hợp chất tốt hơn là dẫn xuất E-pyrazol, tức là chất đồng phân E.

Dẫn xuất pyrazol có công thức stru-1 ở đây bao gồm ít nhất một dẫn xuất được chọn từ nhóm bao gồm dẫn xuất pyrazol loại E và dẫn xuất pyrazol loại Z. Khi dẫn xuất

pyrazol bao gồm một dẫn xuất pyrazol loại E và một dẫn xuất pyrazol loại Z, dẫn xuất pyrazol loại E và dẫn xuất pyrazol loại Z có thể có mặt ở bất kỳ tỉ lệ nào.

Đối với dẫn xuất pyrazol có công thức stru-1 theo sáng chế, khi các nhóm thế R1, R2, R4 và R5 là hydro và Q là oxy, ví dụ, khi dẫn xuất pyrazol có công thức stru-1 là hợp chất loại E, dẫn xuất pyrazol có công thức stru-1 có thể là hợp chất thể hiện trong bảng 1.

Bảng 1

STT	R3	R9	R8	R6	R7	L-R10
1.	$(CH_3)_3C$	H	CH_3	CH_3	H	CH_3
2.	$(CH_3)_3C$	H	CH_3	CH_3	H	CH_3CH_2
3.	$(CH_3)_3C$	H	CH_3	CH_3	H	$CH_3CH_2CH_2$
4.	$(CH_3)_3C$	H	CH_3	CH_3	H	$(CH_3)_2CH$
5.	$(CH_3)_3C$	H	CH_3	CH_3	H	$(CH_3)_3C$
6.	$(CH_3)_3C$	H	CH_3	CH_3	H	$CH_3CH_2CH_2CH_2$
7.	$(CH_3)_3C$	H	CH_3	CH_3	H	$(CH_3)_2CHCH_2$
8.	$(CH_3)_3C$	H	CH_3	CH_3	H	CH_3OCH_2
9.	$(CH_3)_3C$	H	CH_3	CH_3	H	
10.	$(CH_3)_3C$	H	CH_3	CH_3	H	CH_3SCH_2
11.	$(CH_3)_3C$	H	CH_3	CH_3	H	
12.	$(CH_3)_3C$	H	CH_3	CH_3	H	FCH_2
13.	$(CH_3)_3C$	H	CH_3	CH_3	H	F_3C
14.	$(CH_3)_3C$	H	CH_3	CH_3	H	C_6H_5
15.	$(CH_3)_3C$	H	CH_3	CH_3	H	$C_6H_5CH_2$
16.	$(CH_3)_3C$	H	CH_3	CH_3	H	$CH_3CH_2(CH_3)_2C$
17.	$(CH_3)_3C$	H	CH_3	CH_3	H	CH2=CH

18.	$(CH_3)_3C$	H	CH_3	CH_3	H	$CH_3CH_2OCH_2$
19.	$(CH_3)_3C$	H	CH_3	CH_3	H	$CH_3CH_2SCH_2$
20.	$(CH_3)_3C$	H	CH_3	CH_3	H	
21.	$(CH_3)_3C$	H	CH_3	CH_3	H	
22.	$(CH_3)_3C$	H	CH_3	CH_3	H	$CF_3CH_2SCH_2$
23.	$(CH_3)_3C$	H	CH_3	CH_3	H	$ClCH_2CH_2$
24.	$(CH_3)_3C$	H	CH_3	CH_3	H	$ClCH_2CH_2CH_2$
25.	$(CH_3)_3C$	H	CH_3	CH_3	H	NCCH2
26.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	CH_3
27.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	CH_3CH_2
28.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$CH_3CH_2CH_2$
29.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$(CH_3)_2CH$
30.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$(CH_3)_3C$
31.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$CH_3CH_2CH_2CH_2$
32.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$(CH_3)_2CHCH_2$
33.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	CH_3OCH_2
34.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	
35.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	CH_3SCH_2
36.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	
37.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	FCH_2
38.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	F_3C
39.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	C_6H_5
40.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$C_6H_5CH_2$

41.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$CH_3CH_2(CH_3)_2C$
42.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	CH2=CH
43.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$CH_3CH_2OCH_2$
44.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$CH_3CH_2SCH_2$
45.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	
46.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	
47.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$CF_3CH_2SCH_2$
48.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$ClCH_2CH_2$
49.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$ClCH_2CH_2CH_2$
50.	$(CH_3)_3C$	CH3	CH_3	CH_3	H	NCCH2
51.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	CH_3
52.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	CH_3CH_2
53.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$CH_3CH_2CH_2$
54.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$(CH_3)_2CH$
55.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$(CH_3)_3C$
56.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$CH_3CH_2CH_2CH_2$
57.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$(CH_3)_2CHCH_2$
58.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	CH_3OCH_2
59.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	
60.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	CH_3SCH_2
61.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	
62.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	FCH_2
63.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	F_3C

64.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	C_6H_5
65.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$C_6H_5CH_2$
66.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$CH_3CH_2(CH_3)_2C$
67.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	CH2=CH
68.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$CH_3CH_2OCH_2$
69.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$CH_3CH_2SCH_2$
70.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	
71.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	
72.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$CF_3CH_2SCH_2$
73.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$ClCH_2CH_2$
74.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$ClCH_2CH_2CH_2$
75.	$(CH_3)_3C$	CH3CH2	CH_3	CH_3	H	NCCH2
76.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	CH_3
77.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	CH_3CH_2
78.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$CH_3CH_2CH_2$
79.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$(CH_3)_2CH$
80.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$(CH_3)_3C$
81.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$CH_3CH_2CH_2CH_2$
82.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$(CH_3)_2CHCH_2$
83.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	CH_3OCH_2
84.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	
85.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	CH_3SCH_2
86.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	

87.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	FCH_2
88.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	F_3C
89.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	C_6H_5
90.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$C_6H_5CH_2$
91.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$CH_3CH_2(CH_3)_2C$
92.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	CH2=CH
93.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$CH_3CH_2OCH_2$
94.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$CH_3CH_2SCH_2$
95.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	
96.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	
97.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$CF_3CH_2SCH_2$
98.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$ClCH_2CH_2$
99.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$ClCH_2CH_2CH_2$
100.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	NCCH2
101.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	CH_3
102.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	CH_3CH_2
103.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$CH_3CH_2CH_2$
104.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$(CH_3)_2CH$
105.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$(CH_3)_3C$
106.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$CH_3CH_2CH_2CH_2$
107.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$(CH_3)_2CHCH_2$
108.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	CH_3OCH_2
109.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	▷

110.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	CH_3SCH_2
111.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	
112.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	FCH_2
113.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	F_3C
114.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	C_6H_5
115.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$C_6H_5CH_2$
116.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$CH_3CH_2(CH_3)_2C$
117.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	CH2=CH
118.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$CH_3CH_2OCH_2$
119.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$CH_3CH_2SCH_2$
120.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	
121.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	
122.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$CF_3CH_2SCH_2$
123.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$ClCH_2CH_2$
124.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$ClCH_2CH_2CH_2$
125.	$(CH_3)_3C$	CH3	CH_3	CH_3	Cl	NCCH2
126.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	CH_3
127.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	CH_3CH_2
128.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$CH_3CH_2CH_2$
129.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$(CH_3)_2CH$
130.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$(CH_3)_3C$
131.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$CH_3CH_2CH_2CH_2$
132.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$(CH_3)_2CHCH_2$

133.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	CH_3OCH_2
134.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	▷
135.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	CH_3SCH_2
136.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	⬡
137.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	FCH_2
138.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	F_3C
139.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	C_6H_5
140.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$C_6H_5CH_2$
141.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$CH_3CH_2(CH_3)_2C$
142.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	CH2=CH
143.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$CH_3CH_2OCH_2$
144.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$CH_3CH_2SCH_2$
145.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	
146.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	
147.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$CF_3CH_2SCH_2$
148.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$ClCH_2CH_2$
149.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$ClCH_2CH_2CH_2$
150.	$(CH_3)_3C$	CH3CH2	CH_3	CH_3	Cl	NCCH2
151.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	CH_3
152.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	CH_3CH_2
153.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$CH_3CH_2CH_2$
154.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$(CH_3)_2CH$
155.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$(CH_3)_3C$

156.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$CH_3CH_2CH_2CH_2$
157.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$(CH_3)_2CHCH_2$
158.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	CH_3OCH_2
159.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	
160.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	CH_3SCH_2
161.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	
162.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	FCH_2
163.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	F_3C
164.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	C_6H_5
165.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$C_6H_5CH_2$
166.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$CH_3CH_2(CH_3)_2C$
167.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	CH2=CH
168.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$CH_3CH_2OCH_2$
169.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$CH_3CH_2SCH_2$
170.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	
171.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	
172.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$CF_3CH_2SCH_2$
173.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$ClCH_2CH_2$
174.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$ClCH_2CH_2CH_2$
175.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	NCCH2
176.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	CH_3
177.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	CH_3CH_2
178.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$CH_3CH_2CH_2$

179.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$(CH_3)_2CH$
180.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$(CH_3)_3C$
181.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$CH_3CH_2CH_2CH_2$
182.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$(CH_3)_2CHCH_2$
183.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	CH_3OCH_2
184.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	
185.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	CH_3SCH_2
186.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	
187.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	FCH_2
188.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	F_3C
189.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	C_6H_5
190.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$C_6H_5CH_2$
191.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$CH_3CH_2(CH_3)_2C$
192.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	CH2=CH
193.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$CH_3CH_2OCH_2$
194.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$CH_3CH_2SCH_2$
195.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	
196.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	
197.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$CF_3CH_2SCH_2$
198.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$ClCH_2CH_2$
199.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$ClCH_2CH_2CH_2$
200.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	NCCH2
201.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	CH_3

202.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	CH_3CH_2
203.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$CH_3CH_2CH_2$
204.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$(CH_3)_2CH$
205.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$(CH_3)_3C$
206.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$CH_3CH_2CH_2CH_2$
207.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$(CH_3)_2CHCH_2$
208.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	CH_3OCH_2
209.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	
210.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	CH_3SCH_2
211.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	
212.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	FCH_2
213.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	F_3C
214.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	C_6H_5
215.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$C_6H_5CH_2$
216.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$CH_3CH_2(CH_3)_2C$
217.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	CH2=CH
218.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$CH_3CH_2OCH_2$
219.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$CH_3CH_2SCH_2$
220.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	
221.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	
222.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$CF_3CH_2SCH_2$
223.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$ClCH_2CH_2$
224.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$ClCH_2CH_2CH_2$

225.	$(CH_3)_3C$	CH3CH2	CH_3	CH_3	CH_3	NCCH2
226.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	CH_3
227.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	CH_3CH_2
228.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$CH_3CH_2CH_2$
229.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$(CH_3)_2CH$
230.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$(CH_3)_3C$
231.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$CH_3CH_2CH_2CH_2$
232.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$(CH_3)_2CHCH_2$
233.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	CH_3OCH_2
234.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	
235.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	CH_3SCH_2
236.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	
237.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	FCH_2
238.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	F_3C
239.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	C_6H_5
240.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$C_6H_5CH_2$
241.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$CH_3CH_2(CH_3)_2C$
242.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	CH2=CH
243.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$CH_3CH_2OCH_2$
244.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$CH_3CH_2SCH_2$
245.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	
246.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	
247.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$CF_3CH_2SCH_2$

248.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$ClCH_2CH_2$
249.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$ClCH_2CH_2CH_2$
250.	$(CH_3)_3C$	H	CH3CH2	CH_3	H	NCCH2
251.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	CH_3
252.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	CH_3CH_2
253.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$CH_3CH_2CH_2$
254.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$(CH_3)_2CH$
255.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$(CH_3)_3C$
256.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$CH_3CH_2CH_2CH_2$
257.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$(CH_3)_2CHCH_2$
258.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	CH_3OCH_2
259.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	
260.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	CH_3SCH_2
261.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	
262.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	FCH_2
263.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	F_3C
264.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	C_6H_5
265.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$C_6H_5CH_2$
266.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$CH_3CH_2(CH_3)_2C$
267.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	CH2=CH
268.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$CH_3CH_2OCH_2$
269.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$CH_3CH_2SCH_2$
270.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	

271.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	
272.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$CF_3CH_2SCH_2$
273.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$ClCH_2CH_2$
274.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$ClCH_2CH_2CH_2$
275.	$(CH_3)_3C$	CH3	CH3CH2	CH_3	H	NCCH2
276.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	CH_3
277.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	CH_3CH_2
278.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$CH_3CH_2CH_2$
279.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$(CH_3)_2CH$
280.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$(CH_3)_3C$
281.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$CH_3CH_2CH_2CH_2$
282.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$(CH_3)_2CHCH_2$
283.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	CH_3OCH_2
284.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	
285.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	CH_3SCH_2
286.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	
287.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	FCH_2
288.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	F_3C
289.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	C_6H_5
290.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$C_6H_5CH_2$
291.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$CH_3CH_2(CH_3)_2C$
292.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	CH2=CH
293.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$CH_3CH_2OCH_2$

294.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$CH_3CH_2SCH_2$
295.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	
296.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	
297.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$CF_3CH_2SCH_2$
298.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$ClCH_2CH_2$
299.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$ClCH_2CH_2CH_2$
300.	$(CH_3)_3C$	CH3CH2	CH3CH2	CH_3	H	NCCH2
301.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	CH_3
302.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	CH_3CH_2
303.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$CH_3CH_2CH_2$
304.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$(CH_3)_2CH$
305.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$(CH_3)_3C$
306.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$CH_3CH_2CH_2CH_2$
307.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$(CH_3)_2CHCH_2$
308.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	CH_3OCH_2
309.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	
310.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	CH_3SCH_2
311.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	
312.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	FCH_2
313.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	F_3C
314.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	C_6H_5
315.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$C_6H_5CH_2$
316.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$CH_3CH_2(CH_3)_2C$

317.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	CH2=CH
318.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$CH_3CH_2OCH_2$
319.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$CH_3CH_2SCH_2$
320.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	
321.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	
322.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$CF_3CH_2SCH_2$
323.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$ClCH_2CH_2$
324.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$ClCH_2CH_2CH_2$
325.	$(CH_3)_3C$	H	CH3CH2	CH_3	Cl	NCCH2
326.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	CH_3
327.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	CH_3CH_2
328.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$CH_3CH_2CH_2$
329.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$(CH_3)_2CH$
330.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$(CH_3)_3C$
331.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$CH_3CH_2CH_2CH_2$
332.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$(CH_3)_2CHCH_2$
333.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	CH_3OCH_2
334.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	
335.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	CH_3SCH_2
336.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	
337.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	FCH_2
338.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	F_3C
339.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	C_6H_5

340.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$C_6H_5CH_2$
341.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$CH_3CH_2(CH_3)_2C$
342.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	CH2=CH
343.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$CH_3CH_2OCH_2$
344.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$CH_3CH_2SCH_2$
345.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	
346.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	
347.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$CF_3CH_2SCH_2$
348.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$ClCH_2CH_2$
349.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$ClCH_2CH_2CH_2$
350.	$(CH_3)_3C$	CH3	CH3CH2	CH_3	Cl	NCCH2
351.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	CH_3
352.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	CH_3CH_2
353.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$CH_3CH_2CH_2$
354.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$(CH_3)_2CH$
355.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$(CH_3)_3C$
356.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$CH_3CH_2CH_2CH_2$
357.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$(CH_3)_2CHCH_2$
358.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	CH_3OCH_2
359.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	
360.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	CH_3SCH_2
361.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	
362.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	FCH_2

363.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	F_3C
364.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	C_6H_5
365.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$C_6H_5CH_2$
366.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$CH_3CH_2(CH_3)_2C$
367.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	CH2=CH
368.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$CH_3CH_2OCH_2$
369.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$CH_3CH_2SCH_2$
370.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	
371.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	
372.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$CF_3CH_2SCH_2$
373.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$ClCH_2CH_2$
374.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$ClCH_2CH_2CH_2$
375.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$NCCH_2$
376.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	CH_3
377.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	CH_3CH_2
378.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$CH_3CH_2CH_2$
379.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$(CH_3)_2CH$
380.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$(CH_3)_3C$
381.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$CH_3CH_2CH_2CH_2$
382.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$(CH_3)_2CHCH_2$
383.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	CH_3OCH_2
384.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	▷
385.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	CH_3SCH_2

386.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	
387.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	FCH_2
388.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	F_3C
389.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	C_6H_5
390.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$C_6H_5CH_2$
391.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$CH_3CH_2(CH_3)_2C$
392.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	CH2=CH
393.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$CH_3CH_2OCH_2$
394.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$CH_3CH_2SCH_2$
395.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	
396.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	
397.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$CF_3CH_2SCH_2$
398.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$ClCH_2CH_2$
399.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$ClCH_2CH_2CH_2$
400.	$(CH_3)_3C$	H	CH3CH2	CH_3	CH_3	NCCH2
401.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	CH_3
402.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	CH_3CH_2
403.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$CH_3CH_2CH_2$
404.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$(CH_3)_2CH$
405.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$(CH_3)_3C$
406.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$CH_3CH_2CH_2CH_2$
407.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$(CH_3)_2CHCH_2$
408.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	CH_3OCH_2

409.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	
410.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	CH_3SCH_2
411.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	
412.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	FCH_2
413.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	F_3C
414.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	C_6H_5
415.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$C_6H_5CH_2$
416.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$CH_3CH_2(CH_3)_2C$
417.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	CH2=CH
418.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$CH_3CH_2OCH_2$
419.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$CH_3CH_2SCH_2$
420.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	
421.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	
422.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$CF_3CH_2SCH_2$
423.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$ClCH_2CH_2$
424.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$ClCH_2CH_2CH_2$
425.	$(CH_3)_3C$	CH_3	CH3CH2	CH_3	CH_3	NCCH2
426.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	CH_3
427.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	CH_3CH_2
428.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$CH_3CH_2CH_2$
429.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$(CH_3)_2CH$
430.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$(CH_3)_3C$
431.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$CH_3CH_2CH_2CH_2$

432.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$(CH_3)_2CHCH_2$
433.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	CH_3OCH_2
434.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	
435.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	CH_3SCH_2
436.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	
437.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	FCH_2
438.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	F_3C
439.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	C_6H_5
440.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$C_6H_5CH_2$
441.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$CH_3CH_2(CH_3)_2C$
442.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	CH2=CH
443.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$CH_3CH_2OCH_2$
444.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$CH_3CH_2SCH_2$
445.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	
446.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	
447.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$CF_3CH_2SCH_2$
448.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$ClCH_2CH_2$
449.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$ClCH_2CH_2CH_2$
450.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	NCCH2
451.	$(CH_3)_3C$	H	CH_3	CH_3	H	OCH_3
452.	$(CH_3)_3C$	H	CH_3	CH_3	H	OCH_2CH_3
453.	$(CH_3)_3C$	H	CH_3	CH_3	H	$O(CH_2)_2CH_3$
454.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH(CH_3)_2$

455.	$(CH_3)_3C$	H	CH_3	CH_3	H	$O(CH_3)_3$
456.	$(CH_3)_3C$	H	CH_3	CH_3	H	$O(CH_2)_3CH_3$
457.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2CH(CH_3)_2$
458.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2CH_2CH(CH_3)_2$
459.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OC(CH_3)_2CH_2CH_3$
460.	$(CH_3)_3C$	H	CH_3	CH_3	H	$O(CH_2)_4CH_3$
461.	$(CH_3)_3C$	H	CH_3	CH_3	H	OCH_2Cl
462.	$(CH_3)_3C$	H	CH_3	CH_3	H	OCH_2CH_2Cl
463.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2CH_2CH_2CH_2Cl$
464.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2CH_2Cl_2$
465.	$(CH_3)_3C$	H	CH_3	CH_3	H	OCH_2CH_2F
466.	$(CH_3)_3C$	H	CH_3	CH_3	H	OCH_2CHF_2
467.	$(CH_3)_3C$	H	CH_3	CH_3	H	OCH_2CF_3
468.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2CH_2OCH_3$
469.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2CH_2OCH_2CH_3$
470.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2OCH_2CH_3$
471.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2CH_2SCH_3$
472.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2C_5H_6$
473.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2(4\text{-}ClC_5H_6)$
474.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2C{=}CH_2$
475.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2(C{=}CH)CH_3$
476.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2C{\equiv}CH$
477.	$(CH_3)_3C$	H	CH_3	CH_3	H	OCH_2COOCH_3

478.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2COOCH_2CH_3$
479.	$(CH_3)_3C$	H	CH_3	CH_3	H	SCH_3
480.	$(CH_3)_3C$	H	CH_3	CH_3	H	SCH_2CH_3
481.	$(CH_3)_3C$	H	CH_3	CH_3	H	SCH2COOCH3
482.	$(CH_3)_3C$	H	CH_3	CH_3	H	SCH2(4-ClC5H6)
483.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	OCH_3
484.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	OCH_2CH_3
485.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$O(CH_2)_2CH_3$
486.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH(CH_3)_2$
487.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$O(CH_3)_3$
488.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$O(CH_2)_3CH_3$
489.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2CH(CH_3)_2$
490.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2CH_2CH(CH_3)_2$
491.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OC(CH_3)_2CH_2CH_3$
492.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$O(CH_2)_4CH_3$
493.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	OCH_2Cl
494.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	OCH_2CH_2Cl
495.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2CH_2CH_2CH_2Cl$
496.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2CH_2Cl_2$
497.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	OCH_2CH_2F
498.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	OCH_2CHF_2
499.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	OCH_2CF_3
500.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2CH_2OCH_3$

501.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2CH_2OCH_2CH_3$
502.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2OCH_2CH_3$
503.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2CH_2SCH_3$
504.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2C_5H_6$
505.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2(4\text{-}ClC_5H_6)$
506.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2C{=}CH_2$
507.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2(C{=}CH)CH_3$
508.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2C{\equiv}CH$
509.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	OCH_2COOCH_3
510.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2COOCH_2CH_3$
511.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	SCH_3
512.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	SCH_2CH_3
513.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	SCH2COOCH3
514.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	SCH2(4-ClC5H6)
515.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	OCH_3
516.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	OCH_2CH_3
517.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$O(CH_2)_2CH_3$
518.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH(CH_3)_2$
519.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$O(CH_3)_3$
520.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$O(CH_2)_3CH_3$
521.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2CH(CH_3)_2$
522.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2CH_2CH(CH_3)_2$
523.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OC(CH_3)_2CH_2CH_3$

524.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$O(CH_2)_4CH_3$
525.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	OCH_2Cl
526.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	OCH_2CH_2Cl
527.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2CH_2CH_2CH_2Cl$
528.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2CH_2Cl_2$
529.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	OCH_2CH_2F
530.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	OCH_2CHF_2
531.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	OCH_2CF_3
532.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2CH_2OCH_3$
533.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2CH_2OCH_2CH_3$
534.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2OCH_2CH_3$
535.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2CH_2SCH_3$
536.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2C_5H_6$
537.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2(4\text{-}ClC_5H_6)$
538.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2C{=}CH_2$
539.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2(C{=}CH)CH_3$
540.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2C{\equiv}CH$
541.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	OCH_2COOCH_3
542.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2COOCH_2CH_3$
543.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	SCH_3
544.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	SCH_2CH_3
545.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	SCH2COOCH3
546.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	SCH2(4-ClC5H6)

547.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	OCH_3
548.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	OCH_2CH_3
549.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$O(CH_2)_2CH_3$
550.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH(CH_3)_2$
551.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$O(CH_3)_3$
552.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$O(CH_2)_3CH_3$
553.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2CH(CH_3)_2$
554.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2CH_2CH(CH_3)_2$
555.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OC(CH_3)_2CH_2CH_3$
556.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$O(CH_2)_4CH_3$
557.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	OCH_2Cl
558.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	OCH_2CH_2Cl
559.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2CH_2CH_2CH_2Cl$
560.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2CH_2Cl_2$
561.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	OCH_2CH_2F
562.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	OCH_2CHF_2
563.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	OCH_2CF_3
564.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2CH_2OCH_3$
565.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2CH_2OCH_2CH_3$
566.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2OCH_2CH_3$
567.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2CH_2SCH_3$
568.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2C_5H_6$
569.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2(4\text{-}ClC_5H_6)$

570.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2C{=}CH_2$
571.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2(C{=}CH)CH_3$
572.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2C{\equiv}CH$
573.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	OCH_2COOCH_3
574.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2COOCH_2CH_3$
575.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	SCH_3
576.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	SCH_2CH_3
577.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	SCH2COOCH3
578.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	SCH2(4-ClC5H6)
579.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	OCH_3
580.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	OCH_2CH_3
581.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$O(CH_2)_2CH_3$
582.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH(CH_3)_2$
583.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$O(CH_3)_3$
584.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$O(CH_2)_3CH_3$
585.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2CH(CH_3)_2$
586.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2CH_2CH(CH_3)_2$
587.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OC(CH_3)_2CH_2CH_3$
588.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$O(CH_2)_4CH_3$
589.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	OCH_2Cl
590.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	OCH_2CH_2Cl
591.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2CH_2CH_2CH_2Cl$
592.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2CH_2Cl_2$

593.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	OCH_2CH_2F
594.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	OCH_2CHF_2
595.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	OCH_2CF_3
596.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2CH_2OCH_3$
597.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2CH_2OCH_2CH_3$
598.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2OCH_2CH_3$
599.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2CH_2SCH_3$
600.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2C_5H_6$
601.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2(4\text{-}ClC_5H_6)$
602.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2C{=}CH_2$
603.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2(C{=}CH)CH_3$
604.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2C{\equiv}CH$
605.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	OCH_2COOCH_3
606.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2COOCH_2CH_3$
607.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	SCH_3
608.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	SCH_2CH_3
609.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	SCH2COOCH3
610.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	SCH2(4-ClC5H6)
611.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	OCH_3
612.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	OCH_2CH_3
613.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$O(CH_2)_2CH_3$
614.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH(CH_3)_2$
615.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$O(CH_3)_3$

616.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$O(CH_2)_2CH_3$
617.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2CH(CH_3)_2$
618.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2CH_2CH(CH_3)_2$
619.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OC(CH_3)_2CH_2CH_3$
620.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$O(CH_2)_4CH_3$
621.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	OCH_2Cl
622.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	OCH_2CH_2Cl
623.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2CH_2CH_2CH_2Cl$
624.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2CH_2Cl_2$
625.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	OCH_2CH_2F
626.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	OCH_2CHF_2
627.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	OCH_2CF_3
628.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2CH_2OCH_3$
629.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2CH_2OCH_2CH_3$
630.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2OCH_2CH_3$
631.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2CH_2SCH_3$
632.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2C_5H_6$
633.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2(4\text{-}ClC_5H_6)$
634.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2C{=}CH_2$
635.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2(C{=}CH)CH_3$
636.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2C{\equiv}CH$
637.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	OCH_2COOCH_3
638.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2COOCH_2CH_3$

639.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	SCH_3
640.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	SCH_2CH_3
641.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	SCH2COOCH3
642.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	SCH2(4-ClC5H6)
643.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	OCH_3
644.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	OCH_2CH_3
645.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$O(CH_2)_2CH_3$
646.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH(CH_3)_2$
647.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$O(CH_3)_3$
648.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$O(CH_2)_3CH_3$
649.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2CH(CH_3)_2$
650.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2CH_2CH(CH_3)_2$
651.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OC(CH_3)_2CH_2CH_3$
652.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$O(CH_2)_4CH_3$
653.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	OCH_2Cl
654.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	OCH_2CH_2Cl
655.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2CH_2CH_2CH_2Cl$
656.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2CH_2Cl_2$
657.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	OCH_2CH_2F
658.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	OCH_2CHF_2
659.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	OCH_2CF_3
660.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2CH_2OCH_3$
661.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2CH_2OCH_2CH_3$

662.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2OCH_2CH_3$
663.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2CH_2SCH_3$
664.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2C_5H_6$
665.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2(4\text{-}ClC_5H_6)$
666.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2C{=}CH_2$
667.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2(C{=}CH)CH_3$
668.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2C{\equiv}CH$
669.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	OCH_2COOCH_3
670.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2COOCH_2CH_3$
671.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	SCH_3
672.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	SCH_2CH_3
673.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	SCH2COOCH3
674.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	SCH2(4-ClC5H6)
675.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	OCH_3
676.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	OCH_2CH_3
677.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$O(CH_2)_2CH_3$
678.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH(CH_3)_2$
679.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$O(CH_3)_3$
680.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$O(CH_2)_3CH_3$
681.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2CH(CH_3)_2$
682.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2CH_2CH(CH_3)_2$
683.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OC(CH_3)_2CH_2CH_3$
684.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$O(CH_2)_4CH_3$

685.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	OCH_2Cl
686.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	OCH_2CH_2Cl
687.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2CH_2CH_2CH_2Cl$
688.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2CH_2Cl_2$
689.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	OCH_2CH_2F
690.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	OCH_2CHF_2
691.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	OCH_2CF_3
692.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2CH_2OCH_3$
693.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2CH_2OCH_2CH_3$
694.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2OCH_2CH_3$
695.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2CH_2SCH_3$
696.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2C_5H_6$
697.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2(4\text{-}ClC_5H_6)$
698.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2C{=}CH_2$
699.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2(C{=}CH)CH_3$
700.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2C{\equiv}CH$
701.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	OCH_2COOCH_3
702.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2COOCH_2CH_3$
703.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	SCH_3
704.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	SCH_2CH_3
705.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	SCH2COOCH3
706.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	SCH2(4-ClC5H6)
707.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	OCH_3

708.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	OCH_2CH_3
709.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$O(CH_2)_2CH_3$
710.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH(CH_3)_2$
711.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$O(CH_3)_3$
712.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$O(CH_2)_2CH_3$
713.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2CH(CH_3)_2$
714.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2CH_2CH(CH_3)_2$
715.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OC(CH_3)_2CH_2CH_3$
716.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$O(CH_2)_4CH_3$
717.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	OCH_2Cl
718.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	OCH_2CH_2Cl
719.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2CH_2CH_2CH_2Cl$
720.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2CH_2Cl_2$
721.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	OCH_2CH_2F
722.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	OCH_2CHF_2
723.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	OCH_2CF_3
724.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2CH_2OCH_3$
725.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2CH_2OCH_2CH_3$
726.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2OCH_2CH_3$
727.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2CH_2SCH_3$
728.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2C_5H_6$
729.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2(4\text{-}ClC_5H_6)$
730.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2C{=}CH_2$

731.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2(C{=}CH)CH_3$
732.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2C{\equiv}CH$
733.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	OCH_2COOCH_3
734.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2COOCH_2CH_3$
735.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	SCH_3
736.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	SCH_2CH_3
737.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	SCH2COOCH3
738.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	SCH2(4-ClC5H6)
739.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	OCH_3
740.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	OCH_2CH_3
741.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$O(CH_2)_2CH_3$
742.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH(CH_3)_2$
743.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$O(CH_3)_3$
744.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$O(CH_2)_3CH_3$
745.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2CH(CH_3)_2$
746.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2CH_2CH(CH_3)_2$
747.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OC(CH_3)_2CH_2CH_3$
748.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$O(CH_2)_4CH_3$
749.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	OCH_2Cl
750.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	OCH_2CH_2Cl
751.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2CH_2CH_2CH_2Cl$
752.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2CH_2Cl_2$
753.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	OCH_2CH_2F

754.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	OCH_2CHF_2
755.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	OCH_2CF_3
756.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2CH_2OCH_3$
757.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2CH_2OCH_2CH_3$
758.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2OCH_2CH_3$
759.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2CH_2SCH_3$
760.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2C_5H_6$
761.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2(4\text{-}ClC_5H_6)$
762.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2C{=}CH_2$
763.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2(C{=}CH)CH_3$
764.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2C{\equiv}CH$
765.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	OCH_2COOCH_3
766.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2COOCH_2CH_3$
767.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	SCH_3
768.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	SCH_2CH_3
769.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	SCH2COOCH3
770.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	SCH2(4-ClC5H6)
771.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	OCH_3
772.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	OCH_2CH_3
773.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$O(CH_2)_2CH_3$
774.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH(CH_3)_2$
775.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$O(CH_3)_3$
776.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$O(CH_2)_3CH_3$

777.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2CH(CH_3)_2$
778.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2CH_2CH(CH_3)_2$
779.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OC(CH_3)_2CH_2CH_3$
780.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$O(CH_2)_4CH_3$
781.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	OCH_2Cl
782.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	OCH_2CH_2Cl
783.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2CH_2CH_2CH_2Cl$
784.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2CH_2Cl_2$
785.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	OCH_2CH_2F
786.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	OCH_2CHF_2
787.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	OCH_2CF_3
788.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2CH_2OCH_3$
789.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2CH_2OCH_2CH_3$
790.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2OCH_2CH_3$
791.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2CH_2SCH_3$
792.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2C_5H_6$
793.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2(4\text{-}ClC_5H_6)$
794.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2C{=}CH_2$
795.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2(C{=}CH)CH_3$
796.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2C{\equiv}CH$
797.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	OCH_2COOCH_3
798.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2COOCH_2CH_3$
799.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	SCH_3

800.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	SCH_2CH_3
801.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	SCH2COOCH3
802.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	SCH2(4-ClC5H6)
803.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	OCH_3
804.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	OCH_2CH_3
805.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$O(CH_2)_2CH_3$
806.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH(CH_3)_2$
807.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$O(CH_3)_3$
808.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$O(CH_2)_2CH_3$
809.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2CH(CH_3)_2$
810.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2CH_2CH(CH_3)_2$
811.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OC(CH_3)_2CH_2CH_3$
812.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$O(CH_2)_4CH_3$
813.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	OCH_2Cl
814.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	OCH_2CH_2Cl
815.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2CH_2CH_2CH_2Cl$
816.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2CH_2Cl_2$
817.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	OCH_2CH_2F
818.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	OCH_2CHF_2
819.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	OCH_2CF_3
820.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2CH_2OCH_3$
821.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2CH_2OCH_2CH_3$
822.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2OCH_2CH_3$

823.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2CH_2SCH_3$
824.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2C_5H_6$
825.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2(4\text{-}ClC_5H_6)$
826.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2C{=}CH_2$
827.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2(C{=}CH)CH_3$
828.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2C{\equiv}CH$
829.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	OCH_2COOCH_3
830.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2COOCH_2CH_3$
831.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	SCH_3
832.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	SCH_2CH_3
833.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	SCH2COOCH3
834.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	SCH2(4-ClC5H6)
835.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	OCH_3
836.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	OCH_2CH_3
837.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$O(CH_2)_2CH_3$
838.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH(CH_3)_2$
839.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$O(CH_3)_3$
840.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$O(CH_2)_3CH_3$
841.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2CH(CH_3)_2$
842.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2CH_2CH(CH_3)_2$
843.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OC(CH_3)_2CH_2CH_3$
844.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$O(CH_2)_4CH_3$
845.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	OCH_2Cl

846.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	OCH_2CH_2Cl
847.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2CH_2CH_2CH_2Cl$
848.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2CH_2Cl_2$
849.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	OCH_2CH_2F
850.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	OCH_2CHF_2
851.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	OCH_2CF_3
852.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2CH_2OCH_3$
853.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2CH_2OCH_2CH_3$
854.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2OCH_2CH_3$
855.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2CH_2SCH_3$
856.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2C_5H_6$
857.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2(4\text{-}ClC_5H_6)$
858.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2C{=}CH_2$
859.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2(C{=}CH)CH_3$
860.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2C{\equiv}CH$
861.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	OCH_2COOCH_3
862.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2COOCH_2CH_3$
863.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	SCH_3
864.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	SCH_2CH_3
865.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	SCH2COOCH3
866.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	SCH2(4-ClC5H6)
867.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	OCH_3
868.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	OCH_2CH_3

869.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$O(CH_2)_2CH_3$
870.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH(CH_3)_2$
871.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$O(CH_3)_3$
872.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$O(CH_2)_3CH_3$
873.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2CH(CH_3)_2$
874.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2CH_2CH(CH_3)_2$
875.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OC(CH_3)_2CH_2CH_3$
876.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$O(CH_2)_4CH_3$
877.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	OCH_2Cl
878.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	OCH_2CH_2Cl
879.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2CH_2CH_2CH_2Cl$
880.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2CH_2Cl_2$
881.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	OCH_2CH_2F
882.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	OCH_2CHF_2
883.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	OCH_2CF_3
884.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2CH_2OCH_3$
885.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2CH_2OCH_2CH_3$
886.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2OCH_2CH_3$
887.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2CH_2SCH_3$
888.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2C_5H_6$
889.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2(4\text{-}ClC_5H_6)$
890.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2C{=}CH_2$
891.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2(C{=}CH)CH_3$

892.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2C{\equiv}CH$
893.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	OCH_2COOCH_3
894.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2COOCH_2CH_3$
895.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	SCH_3
896.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	SCH_2CH_3
897.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	SCH2COOCH3
898.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	SCH2(4-ClC5H6)
899.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	OCH_3
900.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	OCH_2CH_3
901.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$O(CH_2)_2CH_3$
902.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH(CH_3)_2$
903.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$O(CH_3)_3$
904.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$O(CH_2)_2CH_3$
905.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2CH(CH_3)_2$
906.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2CH_2CH(CH_3)_2$
907.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OC(CH_3)_2CH_2CH_3$
908.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$O(CH_2)_4CH_3$
909.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	OCH_2Cl
910.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	OCH_2CH_2Cl
911.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2CH_2CH_2CH_2Cl$
912.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2CH_2Cl_2$
913.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	OCH_2CH_2F
914.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	OCH_2CHF_2

915.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	OCH_2CF_3
916.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2CH_2OCH_3$
917.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2CH_2OCH_2CH_3$
918.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2OCH_2CH_3$
919.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2CH_2SCH_3$
920.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2C_5H_6$
921.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2(4\text{-}ClC_5H_6)$
922.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2C{=}CH_2$
923.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2(C{=}CH)CH_3$
924.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2C{\equiv}CH$
925.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	OCH_2COOCH_3
926.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2COOCH_2CH_3$
927.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	SCH_3
928.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	SCH_2CH_3
929.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	SCH2COOCH3
930.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	SCH2(4-ClC5H6)
931.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	OCH_3
932.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	OCH_2CH_3
933.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$O(CH_2)_2CH_3$
934.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH(CH_3)_2$
935.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$O(CH_3)_3$
936.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$O(CH_2)_3CH_3$
937.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2CH(CH_3)_2$

938.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2CH(CH_3)_2$
939.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OC(CH_3)_2CH_2CH_3$
940.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$O(CH_2)_4CH_3$
941.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	OCH_2Cl
942.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	OCH_2CH_2Cl
943.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2CH_2CH_2Cl$
944.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2Cl_2$
945.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	OCH_2CH_2F
946.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	OCH_2CHF_2
947.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	OCH_2CF_3
948.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2OCH_3$
949.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2OCH_2CH_3$
950.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2OCH_2CH_3$
951.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2SCH_3$
952.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2C_5H_6$
953.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2(4\text{-}ClC_5H_6)$
954.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2C{=}CH_2$
955.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2(C{=}CH)CH_3$
956.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2C{\equiv}CH$
957.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	OCH_2COOCH_3
958.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2COOCH_2CH_3$
959.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	SCH_3
960.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	SCH_2CH_3

961.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	SCH2COOCH3
962.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	SCH2(4-ClC5H6)
963.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	OCH_3
964.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	OCH_2CH_3
965.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$O(CH_2)_2CH_3$
966.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH(CH_3)_2$
967.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$O(CH_3)_3$
968.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$O(CH_2)_3CH_3$
969.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2CH(CH_3)_2$
970.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2CH(CH_3)_2$
971.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OC(CH_3)_2CH_2CH_3$
972.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$O(CH_2)_4CH_3$
973.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	OCH_2Cl
974.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	OCH_2CH_2Cl
975.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2CH_2CH_2Cl$
976.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2Cl_2$
977.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	OCH_2CH_2F
978.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	OCH_2CHF_2
979.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	OCH_2CF_3
980.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2OCH_3$
981.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2OCH_2CH_3$
982.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2OCH_2CH_3$
983.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2SCH_3$

984.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2C_5H_6$
985.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2(4\text{-}ClC_5H_6)$
986.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2C{=}CH_2$
987.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2(C{=}CH)CH_3$
988.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2C{\equiv}CH$
989.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	OCH_2COOCH_3
990.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2COOCH_2CH_3$
991.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	SCH_3
992.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	SCH_2CH_3
993.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	SCH2COOCH3
994.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	SCH2(4-ClC5H6)
995.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	OCH_3
996.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	OCH_2CH_3
997.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$O(CH_2)_2CH_3$
998.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH(CH_3)_2$
999.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$O(CH_3)_3$
1000.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$O(CH_2)_2CH_3$
1001.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2CH(CH_3)_2$
1002.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2CH(CH_3)_2$
1003.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OC(CH_3)_2CH_2CH_3$
1004.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$O(CH_2)_4CH_3$
1005.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	OCH_2Cl
1006.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	OCH_2CH_2Cl

1007.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2CH_2CH_2Cl$
1008.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2Cl_2$
1009.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	OCH_2CH_2F
1010.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	OCH_2CHF_2
1011.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	OCH_2CF_3
1012.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2OCH_3$
1013.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2OCH_2CH_3$
1014.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2OCH_2CH_3$
1015.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2SCH_3$
1016.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2C_5H_6$
1017.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2(4\text{-}ClC_5H_6)$
1018.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2C{=}CH_2$
1019.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2(C{=}CH)CH_3$
1020.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2C{\equiv}CH$
1021.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	OCH_2COOCH_3
1022.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2COOCH_2CH_3$
1023.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	SCH_3
1024.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	SCH_2CH_3
1025.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	SCH2COOCH3
1026.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	SCH2(4-ClC5H6)
1027.	$(CH_3)_3C$	CH_3	CH_3CH_2	$CH(CH_3)2$	H	OCH_2CH_3
1028.	$(CH_3)_3C$	CH_3	CH_3CH_2	$CH(CH_3)2$	H	OCH_3
1029.	$(CH_3)_3C$	CH_3	CH_3CH_2	$CH(CH_3)2$	H	$O(CH_2)_3CH_3$

1030.	$(CH_3)_3C$	CH_3	CH_3CH_2	$CH(CH_3)2$	H	$OCH_2CH(CH_3)_2$
1031.	$(CH_3)_3C$	CH_3	CH_3CH_2	$CH(CH_3)2$	H	$OCH_2CH_2OCH_3$
1032.	$(CH_3)_3C$	CH_3	CH_3CH_2	$CH(CH_3)2$	H	$OCH_2CH_2CH(CH_3)_2$
1033.	$(CH_3)_3C$	CH_3	CH_3CH_2	$CH(CH_3)2$	H	$OCH_2C=CH_2$
1034.	$(CH_3)_3C$	CH_3	CH_3CH_2	$CH(CH_3)2$	H	$OCH_2C\equiv CH$
1035.	$(CH_3)_3C$	CH_3	CH_3CH_2	$CH(CH_3)2$	H	CH_3
1036.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Br	OCH_3
1037.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Br	OCH_2CH_3
1038.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Br	OCH_2CF_3
1039.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Br	$O(CH_2)_3CH_3$
1040.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Br	$OCH_2CH(CH_3)_2$
1041.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Br	$OCH_2CH(CH_3)_2$
1042.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Br	$OCH_2C=CH_2$
1043.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Br	$OCH_2CH_2OCH_3$
1044.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Br	CH_3
1045.	$(CH_3)_3C$	CH_3	CH_3	CH_2CH_3	Cl	OCH_3
1046.	$(CH_3)_3C$	CH_3	CH_3	CH_2CH_3	Cl	OCH_2CH_3
1047.	$(CH_3)_3C$	CH_3	CH_3	CH_2CH_3	Cl	OCH_2CF_3
1048.	$(CH_3)_3C$	CH_3	CH_3	CH_2CH_3	Cl	$O(CH_2)_3CH_3$
1049.	$(CH_3)_3C$	CH_3	CH_3	CH_2CH_3	Cl	$O(CH_2)_3CH_3$
1050.	$(CH_3)_3C$	CH_3	CH_3	CH_2CH_3	Cl	$OCH_2CH(CH_3)_2$
1051.	$(CH_3)_3C$	CH_3	CH_3	CH_2CH_3	Cl	$OCH_2C=CH_2$
1052.	$(CH_3)_3C$	CH_3	CH_3	CH_2CH_3	Cl	$OCH_2CH_2OCH_3$

1053.	$(CH_3)_3C$	CH_3	CH_3	CH_2CH_3	Cl	$OCH_2C\equiv CH$
1054.	$(CH_3)_3C$	CH_3	CH_3	CH_2CH_3	Cl	CH_3
1055.	$(CH_3)_3C$	CH_3	CH_2CH_3	CH_3	Br	OCH_3
1056.	$(CH_3)_3C$	CH_3	CH_2CH_3	CH_3	Br	OCH_2CH_3
1057.	$(CH_3)_3C$	CH_3	CH_2CH_3	CH_3	Br	OCH_2CF_3
1058.	$(CH_3)_3C$	CH_3	CH_2CH_3	CH_3	Br	$O(CH_2)_3CH_3$
1059.	$(CH_3)_3C$	CH_3	CH_2CH_3	CH_3	Br	$O(CH_2)_3CH_3$
1060.	$(CH_3)_3C$	CH_3	CH_3	CH_2CH_3	Cl	OCH_2CF_3
1061.	$(CH_3)_3C$	CH_3	CH_3	CH_2CH_3	Cl	$O(CH_2)_3CH_3$
1062.	$(CH_3)_3C$	CH_3	CH_3	CH_2CH_3	Cl	$O(CH_2)_3CH_3$
1063.	$(CH_3)_3C$	CH_3	CH_3	CH_2CH_3	Cl	$OCH_2CH(CH_3)_2$
1064.	$(CH_3)_3C$	CH_3	CH_3	CH_2CH_3	Cl	$OCH_2C=CH_2$
1065.	$(CH_3)_3C$	CH_3	CH_3	CH_2CH_3	Cl	$OCH_2CH_2OCH_3$
1066.	$(CH_3)_3C$	CH_3	CH_3	CH_2CH_3	Cl	$OCH_2C\equiv CH$
1067.	$(CH_3)_3C$	CH_3	CH_3	CH_2CH_3	Cl	CH_3

Đối với dẫn xuất pyrazol có công thức stru-1 theo sáng chế, khi các nhóm thế R1, R2, R4 và R5 là hydro và Q là oxy, ví dụ, khi dẫn xuất pyrazol có công thức stru-1 là hợp chất loại Z, dẫn xuất pyrazol có công thức stru-1 có thể là hợp chất thể hiện trong bảng 2.

Bảng 2

STT	R3	R9	R8	R6	R7	L-R10
1068.	$(CH_3)_3C$	H	CH_3	CH_3	H	CH_3
1069.	$(CH_3)_3C$	H	CH_3	CH_3	H	CH_3CH_2
1070.	$(CH_3)_3C$	H	CH_3	CH_3	H	$CH_3CH_2CH_2$

1071.	$(CH_3)_3C$	H	CH_3	CH_3	H	$(CH_3)_2CH$
1072.	$(CH_3)_3C$	H	CH_3	CH_3	H	$(CH_3)_3C$
1073.	$(CH_3)_3C$	H	CH_3	CH_3	H	$CH_3CH_2CH_2CH_2$
1074.	$(CH_3)_3C$	H	CH_3	CH_3	H	$(CH_3)_2CHCH_2$
1075.	$(CH_3)_3C$	H	CH_3	CH_3	H	CH_3OCH_2
1076.	$(CH_3)_3C$	H	CH_3	CH_3	H	
1077.	$(CH_3)_3C$	H	CH_3	CH_3	H	CH_3SCH_2
1078.	$(CH_3)_3C$	H	CH_3	CH_3	H	
1079.	$(CH_3)_3C$	H	CH_3	CH_3	H	FCH_2
1080.	$(CH_3)_3C$	H	CH_3	CH_3	H	F_3C
1081.	$(CH_3)_3C$	H	CH_3	CH_3	H	C_6H_5
1082.	$(CH_3)_3C$	H	CH_3	CH_3	H	$C_6H_5CH_2$
1083.	$(CH_3)_3C$	H	CH_3	CH_3	H	$CH_3CH_2(CH_3)_2C$
1084.	$(CH_3)_3C$	H	CH_3	CH_3	H	CH2=CH
1085.	$(CH_3)_3C$	H	CH_3	CH_3	H	$CH_3CH_2OCH_2$
1086.	$(CH_3)_3C$	H	CH_3	CH_3	H	$CH_3CH_2SCH_2$
1087.	$(CH_3)_3C$	H	CH_3	CH_3	H	
1088.	$(CH_3)_3C$	H	CH_3	CH_3	H	
1089.	$(CH_3)_3C$	H	CH_3	CH_3	H	$CF_3CH_2SCH_2$
1090.	$(CH_3)_3C$	H	CH_3	CH_3	H	$ClCH_2CH_2$
1091.	$(CH_3)_3C$	H	CH_3	CH_3	H	$ClCH_2CH_2CH_2$
1092.	$(CH_3)_3C$	H	CH_3	CH_3	H	NCCH2
1093.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	CH_3

1094.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	CH_3CH_2
1095.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$CH_3CH_2CH_2$
1096.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$(CH_3)_2CH$
1097.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$(CH_3)_3C$
1098.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$CH_3CH_2CH_2CH_2$
1099.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$(CH_3)_2CHCH_2$
1100.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	CH_3OCH_2
1101.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	
1102.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	CH_3SCH_2
1103.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	
1104.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	FCH_2
1105.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	F_3C
1106.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	C_6H_5
1107.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$C_6H_5CH_2$
1108.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$CH_3CH_2(CH_3)_2C$
1109.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	CH2=CH
1110.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$CH_3CH_2OCH_2$
1111.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$CH_3CH_2SCH_2$
1112.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	
1113.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	
1114.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$CF_3CH_2SCH_2$
1115.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$ClCH_2CH_2$
1116.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$ClCH_2CH_2CH_2$

1117.	$(CH_3)_3C$	CH3	CH_3	CH_3	H	NCCH2
1118.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	CH_3
1119.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	CH_3CH_2
1120.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$CH_3CH_2CH_2$
1121.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$(CH_3)_2CH$
1122.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$(CH_3)_3C$
1123.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$CH_3CH_2CH_2CH_2$
1124.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$(CH_3)_2CHCH_2$
1125.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	CH_3OCH_2
1126.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	
1127.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	CH_3SCH_2
1128.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	
1129.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	FCH_2
1130.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	F_3C
1131.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	C_6H_5
1132.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$C_6H_5CH_2$
1133.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$CH_3CH_2(CH_3)_2C$
1134.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	CH2=CH
1135.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$CH_3CH_2OCH_2$
1136.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$CH_3CH_2SCH_2$
1137.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	
1138.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	
1139.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$CF_3CH_2SCH_2$

1140.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$ClCH_2CH_2$
1141.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$ClCH_2CH_2CH_2$
1142.	$(CH_3)_3C$	CH3CH2	CH_3	CH_3	H	NCCH2
1143.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	CH_3
1144.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	CH_3CH_2
1145.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$CH_3CH_2CH_2$
1146.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$(CH_3)_2CH$
1147.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$(CH_3)_3C$
1148.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$CH_3CH_2CH_2CH_2$
1149.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$(CH_3)_2CHCH_2$
1150.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	CH_3OCH_2
1151.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	
1152.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	CH_3SCH_2
1153.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	
1154.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	FCH_2
1155.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	F_3C
1156.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	C_6H_5
1157.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$C_6H_5CH_2$
1158.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$CH_3CH_2(CH_3)_2C$
1159.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	CH2=CH
1160.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$CH_3CH_2OCH_2$
1161.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$CH_3CH_2SCH_2$
1162.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	

1163.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	
1164.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$CF_3CH_2SCH_2$
1165.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$ClCH_2CH_2$
1166.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$ClCH_2CH_2CH_2$
1167.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	NCCH2
1168.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	CH_3
1169.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	CH_3CH_2
1170.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$CH_3CH_2CH_2$
1171.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$(CH_3)_2CH$
1172.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$(CH_3)_3C$
1173.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$CH_3CH_2CH_2CH_2$
1174.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$(CH_3)_2CHCH_2$
1175.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	CH_3OCH_2
1176.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	
1177.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	CH_3SCH_2
1178.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	
1179.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	FCH_2
1180.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	F_3C
1181.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	C_6H_5
1182.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$C_6H_5CH_2$
1183.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$CH_3CH_2(CH_3)_2C$
1184.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	CH2=CH
1185.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$CH_3CH_2OCH_2$

1186.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$CH_3CH_2SCH_2$
1187.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	
1188.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	
1189.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$CF_3CH_2SCH_2$
1190.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$ClCH_2CH_2$
1191.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$ClCH_2CH_2CH_2$
1192.	$(CH_3)_3C$	CH3	CH_3	CH_3	Cl	NCCH2
1193.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	CH_3
1194.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	CH_3CH_2
1195.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$CH_3CH_2CH_2$
1196.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$(CH_3)_2CH$
1197.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$(CH_3)_3C$
1198.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$CH_3CH_2CH_2CH_2$
1199.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$(CH_3)_2CHCH_2$
1200.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	CH_3OCH_2
1201.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	
1202.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	CH_3SCH_2
1203.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	
1204.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	FCH_2
1205.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	F_3C
1206.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	C_6H_5
1207.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$C_6H_5CH_2$
1208.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$CH_3CH_2(CH_3)_2C$

1209.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	CH2=CH
1210.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$CH_3CH_2OCH_2$
1211.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$CH_3CH_2SCH_2$
1212.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	
1213.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	
1214.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$CF_3CH_2SCH_2$
1215.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$ClCH_2CH_2$
1216.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$ClCH_2CH_2CH_2$
1217.	$(CH_3)_3C$	CH3CH2	CH_3	CH_3	Cl	NCCH2
1218.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	CH_3
1219.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	CH_3CH_2
1220.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$CH_3CH_2CH_2$
1221.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$(CH_3)_2CH$
1222.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$(CH_3)_3C$
1223.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$CH_3CH_2CH_2CH_2$
1224.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$(CH_3)_2CHCH_2$
1225.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	CH_3OCH_2
1226.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	
1227.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	CH_3SCH_2
1228.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	
1229.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	FCH_2
1230.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	F_3C
1231.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	C_6H_5

1232.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$C_6H_5CH_2$
1233.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$CH_3CH_2(CH_3)_2C$
1234.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	CH2=CH
1235.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$CH_3CH_2OCH_2$
1236.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$CH_3CH_2SCH_2$
1237.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	
1238.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	
1239.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$CF_3CH_2SCH_2$
1240.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$ClCH_2CH_2$
1241.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$ClCH_2CH_2CH_2$
1242.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	NCCH2
1243.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	CH_3
1244.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	CH_3CH_2
1245.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$CH_3CH_2CH_2$
1246.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$(CH_3)_2CH$
1247.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$(CH_3)_3C$
1248.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$CH_3CH_2CH_2CH_2$
1249.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$(CH_3)_2CHCH_2$
1250.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	CH_3OCH_2
1251.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	
1252.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	CH_3SCH_2
1253.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	
1254.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	FCH_2

1255.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	F_3C
1256.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	C_6H_5
1257.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$C_6H_5CH_2$
1258.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$CH_3CH_2(CH_3)_2C$
1259.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	CH2=CH
1260.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$CH_3CH_2OCH_2$
1261.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$CH_3CH_2SCH_2$
1262.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	
1263.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	
1264.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$CF_3CH_2SCH_2$
1265.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$ClCH_2CH_2$
1266.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$ClCH_2CH_2CH_2$
1267.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	NCCH2
1268.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	CH_3
1269.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	CH_3CH_2
1270.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$CH_3CH_2CH_2$
1271.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$(CH_3)_2CH$
1272.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$(CH_3)_3C$
1273.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$CH_3CH_2CH_2CH_2$
1274.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$(CH_3)_2CHCH_2$
1275.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	CH_3OCH_2
1276.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	▷
1277.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	CH_3SCH_2

1278.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	
1279.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	FCH_2
1280.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	F_3C
1281.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	C_6H_5
1282.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$C_6H_5CH_2$
1283.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$CH_3CH_2(CH_3)_2C$
1284.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	CH2=CH
1285.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$CH_3CH_2OCH_2$
1286.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$CH_3CH_2SCH_2$
1287.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	
1288.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	
1289.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$CF_3CH_2SCH_2$
1290.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$ClCH_2CH_2$
1291.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$ClCH_2CH_2CH_2$
1292.	$(CH_3)_3C$	CH3CH2	CH_3	CH_3	CH_3	NCCH2
1293.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	CH_3
1294.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	CH_3CH_2
1295.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$CH_3CH_2CH_2$
1296.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$(CH_3)_2CH$
1297.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$(CH_3)_3C$
1298.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$CH_3CH_2CH_2CH_2$
1299.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$(CH_3)_2CHCH_2$
1300.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	CH_3OCH_2

1301.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	
1302.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	CH_3SCH_2
1303.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	
1304.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	FCH_2
1305.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	F_3C
1306.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	C_6H_5
1307.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$C_6H_5CH_2$
1308.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$CH_3CH_2(CH_3)_2C$
1309.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	CH2=CH
1310.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$CH_3CH_2OCH_2$
1311.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$CH_3CH_2SCH_2$
1312.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	
1313.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	
1314.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$CF_3CH_2SCH_2$
1315.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$ClCH_2CH_2$
1316.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$ClCH_2CH_2CH_2$
1317.	$(CH_3)_3C$	H	CH3CH2	CH_3	H	NCCH2
1318.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	CH_3
1319.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	CH_3CH_2
1320.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$CH_3CH_2CH_2$
1321.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$(CH_3)_2CH$
1322.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$(CH_3)_3C$
1323.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$CH_3CH_2CH_2CH_2$

1324.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$(CH_3)_2CHCH_2$
1325.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	CH_3OCH_2
1326.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	
1327.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	CH_3SCH_2
1328.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	
1329.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	FCH_2
1330.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	F_3C
1331.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	C_6H_5
1332.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$C_6H_5CH_2$
1333.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$CH_3CH_2(CH_3)_2C$
1334.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	CH2=CH
1335.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$CH_3CH_2OCH_2$
1336.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$CH_3CH_2SCH_2$
1337.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	
1338.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	
1339.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$CF_3CH_2SCH_2$
1340.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$ClCH_2CH_2$
1341.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$ClCH_2CH_2CH_2$
1342.	$(CH_3)_3C$	CH3	CH3CH2	CH_3	H	NCCH2
1343.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	CH_3
1344.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	CH_3CH_2
1345.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$CH_3CH_2CH_2$
1346.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$(CH_3)_2CH$

1347.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$(CH_3)_3C$
1348.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$CH_3CH_2CH_2CH_2$
1349.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$(CH_3)_2CHCH_2$
1350.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	CH_3OCH_2
1351.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	
1352.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	CH_3SCH_2
1353.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	
1354.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	FCH_2
1355.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	F_3C
1356.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	C_6H_5
1357.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$C_6H_5CH_2$
1358.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$CH_3CH_2(CH_3)_2C$
1359.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	CH2=CH
1360.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$CH_3CH_2OCH_2$
1361.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$CH_3CH_2SCH_2$
1362.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	
1363.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	
1364.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$CF_3CH_2SCH_2$
1365.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$ClCH_2CH_2$
1366.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$ClCH_2CH_2CH_2$
1367.	$(CH_3)_3C$	CH3CH2	CH3CH2	CH_3	H	NCCH2
1368.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	CH_3
1369.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	CH_3CH_2

1370.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$CH_3CH_2CH_2$
1371.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$(CH_3)_2CH$
1372.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$(CH_3)_3C$
1373.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$CH_3CH_2CH_2CH_2$
1374.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$(CH_3)_2CHCH_2$
1375.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	CH_3OCH_2
1376.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	
1377.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	CH_3SCH_2
1378.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	
1379.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	FCH_2
1380.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	F_3C
1381.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	C_6H_5
1382.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$C_6H_5CH_2$
1383.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$CH_3CH_2(CH_3)_2C$
1384.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	CH2=CH
1385.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$CH_3CH_2OCH_2$
1386.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$CH_3CH_2SCH_2$
1387.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	
1388.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	
1389.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$CF_3CH_2SCH_2$
1390.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$ClCH_2CH_2$
1391.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$ClCH_2CH_2CH_2$
1392.	$(CH_3)_3C$	H	CH3CH2	CH_3	Cl	NCCH2

1393.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	CH_3
1394.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	CH_3CH_2
1395.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$CH_3CH_2CH_2$
1396.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$(CH_3)_2CH$
1397.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$(CH_3)_3C$
1398.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$CH_3CH_2CH_2CH_2$
1399.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$(CH_3)_2CHCH_2$
1400.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	CH_3OCH_2
1401.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	
1402.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	CH_3SCH_2
1403.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	
1404.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	FCH_2
1405.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	F_3C
1406.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	C_6H_5
1407.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$C_6H_5CH_2$
1408.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$CH_3CH_2(CH_3)_2C$
1409.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	CH2=CH
1410.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$CH_3CH_2OCH_2$
1411.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$CH_3CH_2SCH_2$
1412.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	
1413.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	
1414.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$CF_3CH_2SCH_2$
1415.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$ClCH_2CH_2$

1416.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$ClCH_2CH_2CH_2$
1417.	$(CH_3)_3C$	CH3	CH3CH2	CH_3	Cl	NCCH2
1418.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	CH_3
1419.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	CH_3CH_2
1420.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$CH_3CH_2CH_2$
1421.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$(CH_3)_2CH$
1422.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$(CH_3)_3C$
1423.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$CH_3CH_2CH_2CH_2$
1424.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$(CH_3)_2CHCH_2$
1425.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	CH_3OCH_2
1426.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	
1427.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	CH_3SCH_2
1428.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	
1429.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	FCH_2
1430.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	F_3C
1431.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	C_6H_5
1432.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$C_6H_5CH_2$
1433.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$CH_3CH_2(CH_3)_2C$
1434.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	CH2=CH
1435.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$CH_3CH_2OCH_2$
1436.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$CH_3CH_2SCH_2$
1437.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	
1438.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	

1439.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$CF_3CH_2SCH_2$
1440.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$ClCH_2CH_2$
1441.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$ClCH_2CH_2CH_2$
1442.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$NCCH_2$
1443.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	CH_3
1444.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	CH_3CH_2
1445.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$CH_3CH_2CH_2$
1446.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$(CH_3)_2CH$
1447.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$(CH_3)_3C$
1448.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$CH_3CH_2CH_2CH_2$
1449.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$(CH_3)_2CHCH_2$
1450.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	CH_3OCH_2
1451.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	
1452.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	CH_3SCH_2
1453.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	
1454.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	FCH_2
1455.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	F_3C
1456.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	C_6H_5
1457.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$C_6H_5CH_2$
1458.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$CH_3CH_2(CH_3)_2C$
1459.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	CH2=CH
1460.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$CH_3CH_2OCH_2$
1461.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$CH_3CH_2SCH_2$

1462.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	
1463.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	
1464.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$CF_3CH_2SCH_2$
1465.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$ClCH_2CH_2$
1466.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$ClCH_2CH_2CH_2$
1467.	$(CH_3)_3C$	H	CH3CH2	CH_3	CH_3	NCCH2
1468.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	CH_3
1469.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	CH_3CH_2
1470.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$CH_3CH_2CH_2$
1471.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$(CH_3)_2CH$
1472.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$(CH_3)_3C$
1473.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$CH_3CH_2CH_2CH_2$
1474.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$(CH_3)_2CHCH_2$
1475.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	CH_3OCH_2
1476.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	
1477.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	CH_3SCH_2
1478.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	
1479.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	FCH_2
1480.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	F_3C
1481.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	C_6H_5
1482.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$C_6H_5CH_2$
1483.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$CH_3CH_2(CH_3)_2C$
1484.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	CH2=CH

1485.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$CH_3CH_2OCH_2$
1486.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$CH_3CH_2SCH_2$
1487.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	
1488.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	
1489.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$CF_3CH_2SCH_2$
1490.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$ClCH_2CH_2$
1491.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$ClCH_2CH_2CH_2$
1492.	$(CH_3)_3C$	CH_3	CH3CH2	CH_3	CH_3	NCCH2
1493.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	CH_3
1494.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	CH_3CH_2
1495.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$CH_3CH_2CH_2$
1496.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$(CH_3)_2CH$
1497.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$(CH_3)_3C$
1498.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$CH_3CH_2CH_2CH_2$
1499.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$(CH_3)_2CHCH_2$
1500.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	CH_3OCH_2
1501.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	
1502.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	CH_3SCH_2
1503.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	
1504.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	FCH_2
1505.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	F_3C
1506.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	C_6H_5
1507.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$C_6H_5CH_2$

1508.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$CH_3CH_2(CH_3)_2C$
1509.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	CH2=CH
1510.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$CH_3CH_2OCH_2$
1511.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$CH_3CH_2SCH_2$
1512.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	
1513.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	
1514.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$CF_3CH_2SCH_2$
1515.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$ClCH_2CH_2$
1516.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$ClCH_2CH_2CH_2$
1517.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	NCCH2
1518.						
1519.	$(CH_3)_3C$	H	CH_3	CH_3	H	OCH_3
1520.	$(CH_3)_3C$	H	CH_3	CH_3	H	OCH_2CH_3
1521.	$(CH_3)_3C$	H	CH_3	CH_3	H	$O(CH_2)_2CH_3$
1522.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH(CH_3)_2$
1523.	$(CH_3)_3C$	H	CH_3	CH_3	H	$O(CH_3)_3$
1524.	$(CH_3)_3C$	H	CH_3	CH_3	H	$O(CH_2)_2CH_3$
1525.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2CH(CH_3)_2$
1526.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2CH_2CH(CH_3)_2$
1527.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OC(CH_3)_2CH_2CH_3$
1528.	$(CH_3)_3C$	H	CH_3	CH_3	H	$O(CH_2)_4CH_3$
1529.	$(CH_3)_3C$	H	CH_3	CH_3	H	OCH_2Cl
1530.	$(CH_3)_3C$	H	CH_3	CH_3	H	OCH_2CH_2Cl

1531.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2CH_2CH_2CH_2Cl$
1532.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2CH_2Cl_2$
1533.	$(CH_3)_3C$	H	CH_3	CH_3	H	OCH_2CH_2F
1534.	$(CH_3)_3C$	H	CH_3	CH_3	H	OCH_2CHF_2
1535.	$(CH_3)_3C$	H	CH_3	CH_3	H	OCH_2CF_3
1536.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2CH_2OCH_3$
1537.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2CH_2OCH_2CH_3$
1538.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2OCH_2CH_3$
1539.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2CH_2SCH_3$
1540.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2C_5H_6$
1541.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2(4\text{-}ClC_5H_6)$
1542.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2C{=}CH_2$
1543.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2(C{=}CH)CH_3$
1544.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2C{\equiv}CH$
1545.	$(CH_3)_3C$	H	CH_3	CH_3	H	OCH_2COOCH_3
1546.	$(CH_3)_3C$	H	CH_3	CH_3	H	$OCH_2COOCH_2CH_3$
1547.	$(CH_3)_3C$	H	CH_3	CH_3	H	SCH_3
1548.	$(CH_3)_3C$	H	CH_3	CH_3	H	SCH_2CH_3
1549.	$(CH_3)_3C$	H	CH_3	CH_3	H	SCH2COOCH3
1550.	$(CH_3)_3C$	H	CH_3	CH_3	H	SCH2(4-ClC5H6)
1551.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	OCH_3
1552.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	OCH_2CH_3
1553.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$O(CH_2)_2CH_3$

1554.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH(CH_3)_2$
1555.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$O(CH_3)_3$
1556.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$O(CH_2)_2CH_3$
1557.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2CH(CH_3)_2$
1558.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2CH_2CH(CH_3)_2$
1559.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OC(CH_3)_2CH_2CH_3$
1560.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$O(CH_2)_4CH_3$
1561.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	OCH_2Cl
1562.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	OCH_2CH_2Cl
1563.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2CH_2CH_2CH_2Cl$
1564.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2CH_2Cl_2$
1565.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	OCH_2CH_2F
1566.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	OCH_2CHF_2
1567.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	OCH_2CF_3
1568.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2CH_2OCH_3$
1569.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2CH_2OCH_2CH_3$
1570.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2OCH_2CH_3$
1571.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2CH_2SCH_3$
1572.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2C_5H_6$
1573.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2(4\text{-}ClC_5H_6)$
1574.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2C{=}CH_2$
1575.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2(C{=}CH)CH_3$
1576.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2C{\equiv}CH$

1577.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	OCH_2COOCH_3
1578.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	$OCH_2COOCH_2CH_3$
1579.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	SCH_3
1580.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	SCH_2CH_3
1581.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	SCH2COOCH3
1582.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	SCH2(4-ClC5H6)
1583.	$(CH_3)_3C$	CH_3	CH_3	CH_3	H	OCH_3
1584.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	OCH_2CH_3
1585.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$O(CH_2)_2CH_3$
1586.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH(CH_3)_2$
1587.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$O(CH_3)_3$
1588.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$O(CH_2)_2CH_3$
1589.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2CH(CH_3)_2$
1590.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2CH_2CH(CH_3)_2$
1591.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OC(CH_3)_2CH_2CH_3$
1592.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$O(CH_2)_4CH_3$
1593.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	OCH_2Cl
1594.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	OCH_2CH_2Cl
1595.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2CH_2CH_2CH_2Cl$
1596.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2CH_2Cl_2$
1597.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	OCH_2CH_2F
1598.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	OCH_2CHF_2
1599.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	OCH_2CF_3

1600.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2CH_2OCH_3$
1601.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2CH_2OCH_2CH_3$
1602.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2OCH_2CH_3$
1603.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2CH_2SCH_3$
1604.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2C_5H_6$
1605.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2(4\text{-}ClC_5H_6)$
1606.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2C{=}CH_2$
1607.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2(C{=}CH)CH_3$
1608.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2C{\equiv}CH$
1609.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	OCH_2COOCH_3
1610.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	$OCH_2COOCH_2CH_3$
1611.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	SCH_3
1612.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	SCH_2CH_3
1613.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	SCH2COOCH3
1614.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	H	SCH2(4-ClC5H6)
1615.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	OCH_3
1616.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	OCH_2CH_3
1617.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$O(CH_2)_2CH_3$
1618.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH(CH_3)_2$
1619.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$O(CH_3)_3$
1620.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$O(CH_2)_2CH_3$
1621.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2CH(CH_3)_2$
1622.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2CH_2CH(CH_3)_2$

1623.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OC(CH_3)_2CH_2CH_3$
1624.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$O(CH_2)_4CH_3$
1625.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	OCH_2Cl
1626.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	OCH_2CH_2Cl
1627.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2CH_2CH_2CH_2Cl$
1628.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2CH_2Cl_2$
1629.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	OCH_2CH_2F
1630.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	OCH_2CHF_2
1631.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	OCH_2CF_3
1632.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2CH_2OCH_3$
1633.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2CH_2OCH_2CH_3$
1634.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2OCH_2CH_3$
1635.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2CH_2SCH_3$
1636.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2C_5H_6$
1637.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2(4\text{-}ClC_5H_6)$
1638.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2C{=}CH_2$
1639.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2(C{=}CH)CH_3$
1640.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2C{\equiv}CH$
1641.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	OCH_2COOCH_3
1642.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	$OCH_2COOCH_2CH_3$
1643.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	SCH_3
1644.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	SCH_2CH_3
1645.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	SCH2COOCH3

1646.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	H	SCH2(4-ClC5H6)
1647.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	OCH_3
1648.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	OCH_2CH_3
1649.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$O(CH_2)_2CH_3$
1650.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH(CH_3)_2$
1651.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$O(CH_3)_3$
1652.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$O(CH_2)_2CH_3$
1653.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2CH(CH_3)_2$
1654.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2CH_2CH(CH_3)_2$
1655.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OC(CH_3)_2CH_2CH_3$
1656.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$O(CH_2)_4CH_3$
1657.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	OCH_2Cl
1658.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	OCH_2CH_2Cl
1659.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2CH_2CH_2CH_2Cl$
1660.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2CH_2Cl_2$
1661.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	OCH_2CH_2F
1662.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	OCH_2CHF_2
1663.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	OCH_2CF_3
1664.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2CH_2OCH_3$
1665.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2CH_2OCH_2CH_3$
1666.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2OCH_2CH_3$
1667.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2CH_2SCH_3$
1668.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2C_5H_6$

1669.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2(4\text{-}ClC_5H_6)$
1670.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2C{=}CH_2$
1671.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2(C{=}CH)CH_3$
1672.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2C{\equiv}CH$
1673.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	OCH_2COOCH_3
1674.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	$OCH_2COOCH_2CH_3$
1675.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	SCH_3
1676.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	SCH_2CH_3
1677.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	SCH2COOCH3
1678.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	SCH2(4-ClC5H6)
1679.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	H	OCH_3
1680.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	OCH_2CH_3
1681.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$O(CH_2)_2CH_3$
1682.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH(CH_3)_2$
1683.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$O(CH_3)_3$
1684.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$O(CH_2)_2CH_3$
1685.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2CH(CH_3)_2$
1686.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2CH_2CH(CH_3)_2$
1687.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OC(CH_3)_2CH_2CH_3$
1688.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$O(CH_2)_4CH_3$
1689.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	OCH_2Cl
1690.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	OCH_2CH_2Cl
1691.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2CH_2CH_2CH_2Cl$

1692.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2CH_2Cl_2$
1693.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	OCH_2CH_2F
1694.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	OCH_2CHF_2
1695.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	OCH_2CF_3
1696.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2CH_2OCH_3$
1697.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2CH_2OCH_2CH_3$
1698.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2OCH_2CH_3$
1699.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2CH_2SCH_3$
1700.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2C_5H_6$
1701.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2(4\text{-}ClC_5H_6)$
1702.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2C{=}CH_2$
1703.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2(C{=}CH)CH_3$
1704.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2C{\equiv}CH$
1705.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	OCH_2COOCH_3
1706.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	$OCH_2COOCH_2CH_3$
1707.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	SCH_3
1708.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	SCH_2CH_3
1709.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	SCH2COOCH3
1710.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	H	SCH2(4-ClC5H6)
1711.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	OCH_3
1712.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	OCH_2CH_3
1713.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$O(CH_2)_2CH_3$
1714.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH(CH_3)_2$

1715.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$O(CH_3)_3$
1716.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$O(CH_2)_2CH_3$
1717.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2CH(CH_3)_2$
1718.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2CH_2CH(CH_3)_2$
1719.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OC(CH_3)_2CH_2CH_3$
1720.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$O(CH_2)_4CH_3$
1721.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	OCH_2Cl
1722.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	OCH_2CH_2Cl
1723.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2CH_2CH_2CH_2Cl$
1724.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2CH_2Cl_2$
1725.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	OCH_2CH_2F
1726.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	OCH_2CHF_2
1727.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	OCH_2CF_3
1728.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2CH_2OCH_3$
1729.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2CH_2OCH_2CH_3$
1730.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2OCH_2CH_3$
1731.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2CH_2SCH_3$
1732.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2C_5H_6$
1733.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2(4\text{-}ClC_5H_6)$
1734.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2C{=}CH_2$
1735.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2(C{=}CH)CH_3$
1736.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2C{\equiv}CH$
1737.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	OCH_2COOCH_3

1738.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	$OCH_2COOCH_2CH_3$
1739.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	SCH_3
1740.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	SCH_2CH_3
1741.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	SCH2COOCH3
1742.	$(CH_3)_3C$	H	CH_3	CH_3	Cl	SCH2(4-ClC5H6)
1743.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	OCH_3
1744.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	OCH_2CH_3
1745.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$O(CH_2)_2CH_3$
1746.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH(CH_3)_2$
1747.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$O(CH_3)_3$
1748.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$O(CH_2)_2CH_3$
1749.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2CH(CH_3)_2$
1750.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2CH_2CH(CH_3)_2$
1751.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OC(CH_3)_2CH_2CH_3$
1752.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$O(CH_2)_4CH_3$
1753.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	OCH_2Cl
1754.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	OCH_2CH_2Cl
1755.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2CH_2CH_2CH_2Cl$
1756.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2CH_2Cl_2$
1757.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	OCH_2CH_2F
1758.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	OCH_2CHF_2
1759.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	OCH_2CF_3
1760.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2CH_2OCH_3$

1761.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2CH_2OCH_2CH_3$
1762.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2OCH_2CH_3$
1763.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2CH_2SCH_3$
1764.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2C_5H_6$
1765.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2(4\text{-}ClC_5H_6)$
1766.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2C{=}CH_2$
1767.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2(C{=}CH)CH_3$
1768.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2C{\equiv}CH$
1769.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	OCH_2COOCH_3
1770.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	$OCH_2COOCH_2CH_3$
1771.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	SCH_3
1772.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	SCH_2CH_3
1773.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	SCH2COOCH3
1774.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	SCH2(4-ClC5H6)
1775.	$(CH_3)_3C$	CH_3	CH_3	CH_3	Cl	OCH_3
1776.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	OCH_2CH_3
1777.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$O(CH_2)_2CH_3$
1778.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH(CH_3)_2$
1779.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$O(CH_3)_3$
1780.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$O(CH_2)_2CH_3$
1781.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2CH(CH_3)_2$
1782.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2CH_2CH(CH_3)_2$
1783.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OC(CH_3)_2CH_2CH_3$

1784.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$O(CH_2)_4CH_3$
1785.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	OCH_2Cl
1786.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	OCH_2CH_2Cl
1787.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2CH_2CH_2CH_2Cl$
1788.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2CH_2Cl_2$
1789.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	OCH_2CH_2F
1790.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	OCH_2CHF_2
1791.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	OCH_2CF_3
1792.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2CH_2OCH_3$
1793.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2CH_2OCH_2CH_3$
1794.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2OCH_2CH_3$
1795.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2CH_2SCH_3$
1796.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2C_5H_6$
1797.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2(4\text{-}ClC_5H_6)$
1798.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2C{=}CH_2$
1799.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2(C{=}CH)CH_3$
1800.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2C{\equiv}CH$
1801.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	OCH_2COOCH_3
1802.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	$OCH_2COOCH_2CH_3$
1803.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	SCH_3
1804.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	SCH_2CH_3
1805.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	SCH2COOCH3
1806.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	Cl	SCH2(4-ClC5H6)

1807.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	OCH_3
1808.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	OCH_2CH_3
1809.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$O(CH_2)_2CH_3$
1810.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH(CH_3)_2$
1811.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$O(CH_3)_3$
1812.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$O(CH_2)_2CH_3$
1813.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2CH(CH_3)_2$
1814.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2CH_2CH(CH_3)_2$
1815.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OC(CH_3)_2CH_2CH_3$
1816.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$O(CH_2)_4CH_3$
1817.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	OCH_2Cl
1818.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	OCH_2CH_2Cl
1819.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2CH_2CH_2CH_2Cl$
1820.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2CH_2Cl_2$
1821.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	OCH_2CH_2F
1822.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	OCH_2CHF_2
1823.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	OCH_2CF_3
1824.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2CH_2OCH_3$
1825.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2CH_2OCH_2CH_3$
1826.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2OCH_2CH_3$
1827.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2CH_2SCH_3$
1828.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2C_5H_6$
1829.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2(4\text{-}ClC_5H_6)$

1830.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2C{=}CH_2$
1831.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2(C{=}CH)CH_3$
1832.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2C{\equiv}CH$
1833.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	OCH_2COOCH_3
1834.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	$OCH_2COOCH_2CH_3$
1835.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	SCH_3
1836.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	SCH_2CH_3
1837.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	SCH2COOCH3
1838.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	Cl	SCH2(4-ClC5H6)
1839.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	OCH_3
1840.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	OCH_2CH_3
1841.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$O(CH_2)_2CH_3$
1842.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH(CH_3)_2$
1843.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$O(CH_3)_3$
1844.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$O(CH_2)_2CH_3$
1845.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2CH(CH_3)_2$
1846.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2CH_2CH(CH_3)_2$
1847.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OC(CH_3)_2CH_2CH_3$
1848.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$O(CH_2)_4CH_3$
1849.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	OCH_2Cl
1850.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	OCH_2CH_2Cl
1851.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2CH_2CH_2CH_2Cl$
1852.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2CH_2Cl_2$

1853.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	OCH_2CH_2F
1854.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	OCH_2CHF_2
1855.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	OCH_2CF_3
1856.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2CH_2OCH_3$
1857.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2CH_2OCH_2CH_3$
1858.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2OCH_2CH_3$
1859.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2CH_2SCH_3$
1860.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2C_5H_6$
1861.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2(4\text{-}ClC_5H_6)$
1862.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2C{=}CH_2$
1863.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2(C{=}CH)CH_3$
1864.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2C{\equiv}CH$
1865.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	OCH_2COOCH_3
1866.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	$OCH_2COOCH_2CH_3$
1867.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	SCH_3
1868.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	SCH_2CH_3
1869.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	SCH2COOCH3
1870.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	SCH2(4-ClC5H6)
1871.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	Cl	OCH_3
1872.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	OCH_2CH_3
1873.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$O(CH_2)_2CH_3$
1874.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH(CH_3)_2$
1875.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$O(CH_3)_3$

1876.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$O(CH_2)_2CH_3$
1877.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2CH(CH_3)_2$
1878.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2CH_2CH(CH_3)_2$
1879.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OC(CH_3)_2CH_2CH_3$
1880.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$O(CH_2)_4CH_3$
1881.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	OCH_2Cl
1882.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	OCH_2CH_2Cl
1883.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2CH_2CH_2CH_2Cl$
1884.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2CH_2Cl_2$
1885.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	OCH_2CH_2F
1886.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	OCH_2CHF_2
1887.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	OCH_2CF_3
1888.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2CH_2OCH_3$
1889.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2CH_2OCH_2CH_3$
1890.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2OCH_2CH_3$
1891.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2CH_2SCH_3$
1892.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2C_5H_6$
1893.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2(4\text{-}ClC_5H_6)$
1894.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2C{=}CH_2$
1895.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2(C{=}CH)CH_3$
1896.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2C{\equiv}CH$
1897.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	OCH_2COOCH_3
1898.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	$OCH_2COOCH_2CH_3$

1899.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	SCH_3
1900.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	SCH_2CH_3
1901.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	SCH2COOCH3
1902.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	Cl	SCH2(4-ClC5H6)
1903.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	OCH_3
1904.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	OCH_2CH_3
1905.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$O(CH_2)_2CH_3$
1906.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH(CH_3)_2$
1907.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$O(CH_3)_3$
1908.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$O(CH_2)_2CH_3$
1909.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2CH(CH_3)_2$
1910.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2CH_2CH(CH_3)_2$
1911.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OC(CH_3)_2CH_2CH_3$
1912.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$O(CH_2)_4CH_3$
1913.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	OCH_2Cl
1914.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	OCH_2CH_2Cl
1915.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2CH_2CH_2CH_2Cl$
1916.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2CH_2Cl_2$
1917.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	OCH_2CH_2F
1918.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	OCH_2CHF_2
1919.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	OCH_2CF_3
1920.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2CH_2OCH_3$
1921.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2CH_2OCH_2CH_3$

1922.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2OCH_2CH_3$
1923.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2CH_2SCH_3$
1924.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2C_5H_6$
1925.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2(4\text{-}ClC_5H_6)$
1926.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2C{=}CH_2$
1927.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2(C{=}CH)CH_3$
1928.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2C{\equiv}CH$
1929.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	OCH_2COOCH_3
1930.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	$OCH_2COOCH_2CH_3$
1931.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	SCH_3
1932.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	SCH_2CH_3
1933.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	SCH2COOCH3
1934.	$(CH_3)_3C$	H	CH_3	CH_3	CH_3	SCH2(4-ClC5H6)
1935.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	OCH_3
1936.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	OCH_2CH_3
1937.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$O(CH_2)_2CH_3$
1938.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH(CH_3)_2$
1939.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$O(CH_3)_3$
1940.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$O(CH_2)_2CH_3$
1941.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2CH(CH_3)_2$
1942.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2CH_2CH(CH_3)_2$
1943.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OC(CH_3)_2CH_2CH_3$
1944.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$O(CH_2)_4CH_3$

1945.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	OCH_2Cl
1946.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	OCH_2CH_2Cl
1947.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2CH_2CH_2CH_2Cl$
1948.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2CH_2Cl_2$
1949.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	OCH_2CH_2F
1950.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	OCH_2CHF_2
1951.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	OCH_2CF_3
1952.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2CH_2OCH_3$
1953.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2CH_2OCH_2CH_3$
1954.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2OCH_2CH_3$
1955.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2CH_2SCH_3$
1956.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2C_5H_6$
1957.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2(4\text{-}ClC_5H_6)$
1958.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2C{=}CH_2$
1959.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2(C{=}CH)CH_3$
1960.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2C{\equiv}CH$
1961.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	OCH_2COOCH_3
1962.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	$OCH_2COOCH_2CH_3$
1963.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	SCH_3
1964.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	SCH_2CH_3
1965.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	SCH2COOCH3
1966.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	SCH2(4-ClC5H6)
1967.	$(CH_3)_3C$	CH_3	CH_3	CH_3	CH_3	OCH_3

1968.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	OCH_2CH_3
1969.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$O(CH_2)_2CH_3$
1970.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH(CH_3)_2$
1971.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$O(CH_3)_3$
1972.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$O(CH_2)_2CH_3$
1973.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2CH(CH_3)_2$
1974.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2CH_2CH(CH_3)_2$
1975.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OC(CH_3)_2CH_2CH_3$
1976.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$O(CH_2)_4CH_3$
1977.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	OCH_2Cl
1978.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	OCH_2CH_2Cl
1979.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2CH_2CH_2CH_2Cl$
1980.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2CH_2Cl_2$
1981.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	OCH_2CH_2F
1982.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	OCH_2CHF_2
1983.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	OCH_2CF_3
1984.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2CH_2OCH_3$
1985.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2CH_2OCH_2CH_3$
1986.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2OCH_2CH_3$
1987.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2CH_2SCH_3$
1988.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2C_5H_6$
1989.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2(4\text{-}ClC_5H_6)$
1990.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2C{=}CH_2$

1991.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2(C{=}CH)CH_3$
1992.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2C{\equiv}CH$
1993.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	OCH_2COOCH_3
1994.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	$OCH_2COOCH_2CH_3$
1995.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	SCH_3
1996.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	SCH_2CH_3
1997.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	SCH2COOCH3
1998.	$(CH_3)_3C$	CH_3CH_2	CH_3	CH_3	CH_3	SCH2(4-ClC5H6)
1999.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	OCH_3
2000.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	OCH_2CH_3
2001.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$O(CH_2)_2CH_3$
2002.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH(CH_3)_2$
2003.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$O(CH_3)_3$
2004.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$O(CH_2)_2CH_3$
2005.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2CH(CH_3)_2$
2006.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2CH(CH_3)_2$
2007.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OC(CH_3)_2CH_2CH_3$
2008.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$O(CH_2)_4CH_3$
2009.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	OCH_2Cl
2010.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	OCH_2CH_2Cl
2011.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2CH_2CH_2Cl$
2012.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2Cl_2$
2013.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	OCH_2CH_2F

2014.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	OCH_2CHF_2
2015.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	OCH_2CF_3
2016.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2OCH_3$
2017.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2OCH_2CH_3$
2018.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2OCH_2CH_3$
2019.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2SCH_3$
2020.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2C_5H_6$
2021.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2(4\text{-}ClC_5H_6)$
2022.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2C{=}CH_2$
2023.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2(C{=}CH)CH_3$
2024.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2C{\equiv}CH$
2025.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	OCH_2COOCH_3
2026.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	$OCH_2COOCH_2CH_3$
2027.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	SCH_3
2028.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	SCH_2CH_3
2029.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	SCH2COOCH3
2030.	$(CH_3)_3C$	H	CH_3CH_2	CH_3	CH_3	SCH2(4-ClC5H6)
2031.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	OCH_3
2032.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	OCH_2CH_3
2033.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$O(CH_2)_2CH_3$
2034.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH(CH_3)_2$
2035.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$O(CH_3)_3$
2036.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$O(CH_2)_2CH_3$

2037.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2CH(CH_3)_2$
2038.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2CH(CH_3)_2$
2039.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OC(CH_3)_2CH_2CH_3$
2040.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$O(CH_2)_4CH_3$
2041.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	OCH_2Cl
2042.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	OCH_2CH_2Cl
2043.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2CH_2CH_2Cl$
2044.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2Cl_2$
2045.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	OCH_2CH_2F
2046.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	OCH_2CHF_2
2047.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	OCH_2CF_3
2048.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2OCH_3$
2049.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2OCH_2CH_3$
2050.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2OCH_2CH_3$
2051.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2SCH_3$
2052.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2C_5H_6$
2053.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2(4\text{-}ClC_5H_6)$
2054.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2C{=}CH_2$
2055.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2(C{=}CH)CH_3$
2056.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2C{\equiv}CH$
2057.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	OCH_2COOCH_3
2058.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	$OCH_2COOCH_2CH_3$
2059.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	SCH_3

2060.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	SCH_2CH_3
2061.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	SCH2COOCH3
2062.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	SCH2(4-ClC5H6)
2063.	$(CH_3)_3C$	CH_3	CH_3CH_2	CH_3	CH_3	OCH_3
2064.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	OCH_2CH_3
2065.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$O(CH_2)_2CH_3$
2066.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH(CH_3)_2$
2067.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$O(CH_3)_3$
2068.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$O(CH_2)_2CH_3$
2069.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2CH(CH_3)_2$
2070.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2CH(CH_3)_2$
2071.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OC(CH_3)_2CH_2CH_3$
2072.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$O(CH_2)_4CH_3$
2073.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	OCH_2Cl
2074.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	OCH_2CH_2Cl
2075.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2CH_2CH_2Cl$
2076.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2Cl_2$
2077.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	OCH_2CH_2F
2078.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	OCH_2CHF_2
2079.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	OCH_2CF_3
2080.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2OCH_3$
2081.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2OCH_2CH_3$
2082.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2OCH_2CH_3$

2083.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2CH_2SCH_3$
2084.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2C_5H_6$
2085.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2(4\text{-}ClC_5H_6)$
2086.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2C{=}CH_2$
2087.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2(C{=}CH)CH_3$
2088.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2C{\equiv}CH$
2089.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	OCH_2COOCH_3
2090.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	$OCH_2COOCH_2CH_3$
2091.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	SCH_3
2092.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	SCH_2CH_3
2093.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	SCH2COOCH3
2094.	$(CH_3)_3C$	CH_3CH_2	CH_3CH_2	CH_3	CH_3	SCH2(4-ClC5H6)

Dữ liệu về thuộc tính vật lý của một số hợp chất theo sáng chế này được thể hiện trong bảng 3 dưới đây.

Bảng 3

Hợp chất số	^{1}H NMR（600MHZ,CDCl3/TMS）	MS (ESI) *m/z*:[M+1]
86	1,15-1,24 (m, 4H), 1,34 (s, 9H), 1,60-1,78 (m, 6H), 2,23-2,27 (m, 1H), 2,30 (s, 3H), 3,90 (s, 3H), 5,39+5,46 (s, 2H), 7,44-7,46 (d, 2H), 7,76-7,78 (d, 2H)	
91	0,70-0,72 (t, 3H), 1,06 (s, 6H), 1,33 (s, 9H), 1,46-1,50 (q, 2H), 2,30 (s, 3H), 3,91 (s, 3H), 5,36+5,51 (s, 2H), 7,43-7,44 (d, 2H), 7,76-7,78 (d, 2H)	

79	1,08-1,09 (d, 6H), 1,34 (s, 9H), 2,30 (s, 3H), 2,48-2,53 (m, 1H), 3,90 (s, 3H), 5,40+5,48 (s, 2H), 7,44-7,46 (d, 2H), 7,75-7,77 (d, 2H)	
84	0,91-0,93 (m, 2H), 0,98-1,01 (m, 2H), 1,34 (s, 9H), 1,57-1,59 (m, 1H), 2,30 (s, 3H), 3,90 (s, 3H), 5,40 (s, 2H), 7,45-7,47 (d, 2H), 7,76-7,78 (d, 2H)	
80	1,10 (s, 9H), 1,34 (s, 9H), 2,30 (s, 3H), 3,91 (s, 3H), 5,33+5,52 (s, 2H), 7,43-7,44 (d, 2H), 7,76-7,77 (d, 2H)	
104	1,06-1,07 (d, 3H), 1,10-1,11 (d, 3H), 1,35 (s, 9H), 1,58-1,59 (d, 3H), 2,28 (s, 3H), 2,45-2,48 (m, 1H), 3,96 (s, 3H), 6,05-6,07 (m, 1H), 7,45-7,46 (d, 2H), 7,78-7,79 (d, 2H)	
101	7,80 – 7,79 (d, J = 6,63, 2H,), 7,48-7,47 (d, J = 8,14, 2H), 6,06 (s, 1H), 3,93 (s, 3H), 2,27 (s, 3H), 2,00 (s, 3H), 1,59-1,56 (d, J = 19,54, 3H), 1,35 (s, 9H)	
116	0,73-0,75 (t, 3H), 1,07 (s, 3H), 1,08 (s, 3H), 1,34 (s, 9H), 1,46-1,50 (m, 2H), 1,58-1,59 (d, 3H), 2,38 (s, 3H, -CH_3), 3,98 (s, 3H), 6,04-6,06 (m, 1H), 7,43-7,45 (d, 2H Hz), 7,79-7,80 (d, 2H)	
105	1,12 (s, 9H), 1,34 (s, 9H), 1,57-1,58 (d, 3H), 2,28 (s, 3H), 3,98 (s, 3H), 6,03 (m, 1H), 7,43-7,45 (d, 2H), 7,76-7,78 (d, 2H)	
109	0,89-0,97 (m, 4H), 1,36 (s, 9H), 1,53-1,56 (m, 1H), 1,60-1,61 (d, 3H), 2,27 (s, 3H), 3,93 (s, 3H), 6,08 (m, 1H), 7,47-7,48 (d, 2H), 7,80-7,81 (d, 2H)	
236	1,18-1,30 (m, 4H), 1,33 (s, 9H), 1,48-1,50 (t, 3H), 1,60-1,74 (m, 6H), 2,18-2,22 (m, 1H), 2,34 (s, 3H, -CH_3), 4,13-4,16 (q, 2H), 5,39 (s, 2H), 6,41 (s, 1H), 7,42-7,44 (d, 2H), 7,72-7,74 (d, 2H)	

241	0,70-0,73 (t, 3H), 1,04 (s, 6H), 1,33 (s, 9H), 1,45-1,48 (q, 2H), 1,48-1,51 (t, 3H), 2,34 (s, 3H), 4,14-4,17 (q, 2H), 5,40 (s, 2H), 6,40 (s, 1H), 7,42-7,43 (d, 2H), 7,73-7,75 (d, 2H)	
229	1,05-1,06 (d, 6H), 1,33 (s, 9H), 1,48-1,51 (t, 3H), 2,34 (s, 3H), 2,44-2,48 (m, 1H), 4,13-4,17 (q, 2H), 5,41 (s, 2H), 6,41 (s, 1H), 7,42-7,44 (d, 2H), 7,73-7,74 (d, 2H)	
234	0,89-0,91 (m, 2H), 0,94-0,96 (m, 2H), 1,34 (s, 9H), 1,48-1,51 (t, 3H), 1,54-1,57 (m, 1H), 2,34 (s, 3H), 4,13-4,17 (q, 2H), 5,41 (s, 2H), 6,39 (s, 1H), 7,43-7,45 (d, 2H), 7,73-7,75 (d, 2H)	
230	1,07 (s, 9H), 1,33 (s, 9H), 1,48-1,50 (t, 3H), 2,32 (s, 3H), 4,14-4,17 (q, 2H), 5,39 (s, 2H), 6,42 (s, 1H), 7,42-7,43 (d, 2H), 7,73-7,74 (d, 2H)	
254	1,03-1,04 (d, 3H), 1,07-1,08 (d, 3H), 1,34 (s, 9H), 1,48-1,51 (t, 3H), 1,50-1,51 (d, 3H), 2,32 (s, 3H, $-CH_3$), 2,40-2,45 (m, 1H), 4,11-4,20 (m, 2H), 5,96-5,99 (q, 1H), 6,34 (s, 1H), 7,43-7,44 (d, 2H), 7,75-7,77 (d, 2H)	
266	0,72-0,75 (t, 3H), 1,04 (s, 6H), 1,34 (s, 9H), 1,43-1,48 (m, 2H), 1,48-1,50 (t, 3H), 1,50-1,51 (d, 3H), 2,32 (s, 3H), 4,12-4,20 (m, 2H), 5,94-5,96 (q, 1H), 6,36 (s, 1H), 7,42-7,44 (d, 2H), 7,76-7,78 (d, 2H)	
255	1,09 (s, 9H), 1,34 (s, 9H), 1,48-1,51 (t, 3H), 1,50-1,51 (d, 3H), 2,32 (s, 3H), 4,13-4,19 (m, 2H), 5,93-5,96 (q, 1H), 6,36 (s, 1H), 7,42-7,43 (d, 2H), 7,75-7,77 (d, 2H)	
259	0,86-0,93 (m, 4H), 1,36 (s, 9H), 1,48-1,50 (t, 3H), 1,51-1,52 (d, 3H), 1,51-1,53 (m, 1H), 2,31 (s, 3H), 4,13-4,19 (m, 2H), 4,11-4,18 (m, 2H), 5,97-6,00 (m, 1H), 6,32 (s, 1H), 7,45-7,46 (d, 2H), 7,76-7,77 (d, 2H)	

251	1,35 (s, 9H), 1,48-1,51 (t, 3H), 1,52-1,53 (d, 3H), 1,96 (s, 3H), 2,32 (s, 3H), 4,14-4,18 (m, 2H), 5,97-6,00 (q, 1H), 6,32 (s, 1H), 7,45-7,46 (d, 2H), 7,76-7,77 (d, 2H)	
508	1,35 (s, 9H), 1,58-1,59 (d, 3H), 2,31 (s, 3H), 3,12-3,14 (br, 1H), 3,91 (s, 3H), 4,63-4,64 (br, 2H), 5,94-5,97 (q, 1H), 6,32 (s, 1H), 7,45-7,46 (d, 2H), 7,72-7,73 (d, 2H)	
506	1,34 (s, 9H), 1,57-1,58 (d, 3H), 2,31 (s, 3H), 3,91 (s, 3H), 4,53-4,55 (br, 2H), 5,25-5,34 (m, 2H), 5,82-5,86 (m, 1H), 5,93-5,96 (q, 1H), 6,31 (s, 1H), 7,44-7,46 (d, 2H), 7,74-7,76 (d, 2H)	
483	1,34 (s, 9H), 1,57-1,58 (d, 3H), 2,31 (s, 3H), 3,71 (s, 3H), 3,91 (s, 3H), 5,93-5,96 (q, 1H), 6,32 (s, 1H), 7,45-7,46 (d, 2H), 7,73-7,74 (d, 2H)	
489	0,89-0,91 (d, 6H), 1,34 (s, 9H), 1,57-1,58 (d, 3H), 1,88-1,93 (m, 1H), 2,31 (s, 3H), 3,81-3,87 (m, 2H), 3,92 (s, 3H), 5,91-5,94 (q, 1H), 6,31 (s, 1H), 7,43-7,44 (d, 2H), 7,74-7,75 (d, 2H)	
488	0,89-0,92 (t, 3H), 1,34 (s, 9H), 1,35-1,38 (m, 2H, , 1,56-1,57 (d, 3H), 1,59-1,62 (m, 2H), 2,31 (s, 3H), 3,91 (s, 3H), 4,05-4,07 (m, 2H), 5,91-5,94 (q, 1H), 6,31 (s, 1H), 7,43-7,44 (d, 2H), 7,74-7,75 (d, 2H)	
489	0,88-0,90 (m, 6H), 1,34 (s, 9H), 1,49-1,50 (m, 2H), 1,57-1,58 (d, 3H), 1,62-1,67 (m, 1H), 2,31 (s, 3H), 3,81-3,87 (m, 2H,), 3,92 (s, 3H), 4,07-4,11 (m, 2H), 5,92-5,94 (q, 1H), 6,31 (s, 1H), 7,43-7,44 (d, 2H), 7,74-7,75 (d, 2H)	
499	1,34 (s, 9H), 1,61-1,62 (d, 3H), 2,31 (s, 3H), 3,90 (s, 3H), 4,38-4,42 (q, 2H), 5,93-5,96 (q, 1H), 6,32 (s, 1H), 7,45-7,46 (d, 2H), 7,72-7,73 (d, 2H)	
484	1,23-1,24 (t, 3H), 1,34 (s, 9H), 1,56-1,57 (d, 3H), 2,31 (s, 3H), 3,91 (s, 3H), 4,09-4,13 (q, 2H),	

	5,92-5,94 (q, 1H), 6,32 (s, 1H), 7,44-7,45 (d, 2H), 7,73-7,74 (d, 2H)	
675	7,80 – 7,79 (d, 2H), 7,48-7,46 (d, 2H), 5,91 (s, 1H), 3,91 (s, 3H), 3,72 (s, 3H), 2,28 (s, 3H), 1,61 (s, 3H), 1,35 (s, 9H).	
676	7,80 – 7,79 (d, 2H,), 7,47-7,46 (d, 2H), 5,91 (s, 1H), 4,14-4,10 (q, 2H), 3,92 (s, 3H), 2,28 (s, 3H), 1,61 (s, 3H), 1,35 (s, 9H), 1,27-1,25 (t, 3H).	
680	7,80 – 7,79 (d, 2H,), 7,47-7,46 (d, 2H), 5,93 (s, 1H), 4,08-4,05 (q, 2H), 3,92 (s, 3H), 2,28 (s, 3H), 1,72-1,66 (m, 2H), 1,45-1,39 (m, 2H), 1,61 (s, 3H), 1,35 (s, 9H), 0,93-0,90 (t, 3H).	
678	7,71 – 7,70 (d, 2H,), 7,38-7,36 (d, 2H), 5,84 (s, 1H), 3,83 (s, 3H), 3,75-3,74 (dd, 6,73, 2H), 2,18 (s, 3H), 1,85-1,80 (m, 1H), 1,55-1,48 (d, 2H), 1,25 (s, 9H), 0,82-0,81 (d, 6H).	
682	7,80 – 7,79 (d, 2H,), 7,47-7,46 (d, 2H), 5,93 (s, 1H), 4,10-4,08 (t, 2H), 3,92 (s, 3H), 2,28 (s, 3H), 1,65-1,64 (d, 3H), 1,51-1,50 (m, 1H), 1,35 (s, 9H), 0,93-0,92 (dd, 2H), 0,91-0,89 (dd, 6H).	
698	7,71 – 7,69 (d, 2H,), 7,38-7,36 (d, 2H), 5,87 (s, 1H), 5,79-5,73 (m, 1H), 5,25-5,17 (m, 2H), 4,45-4,44 (d, 2H), 3,82 (s, 3H), 2,18 (s, 3H), 1,55-1,49 (d, 3H), 1,25 (s, 9H).	
692	7,72 – 7,71 (d, 2H,), 7,39-7,38 (d, 2H), 5,87 (s, 1H), 4,22-4,12 (m, 2H), 3,84 (s, 3H), 3,55-3,47 (m, 2H), 3,27 (s, 3H), 2,20 (s, 3H) 1,56-1,55 (d, 3H), 1,27 (s, 9H).	
700	7,69 – 7,68 (d, 2H,), 7,38-7,37 (d, 2H), 5,87 (s, 1H), 4,55 (s, 2H), 3,99 (s, 3H), 2,86-2,79 (m, 1H), 2,18 (s, 3H), 1,48 (s, 3H), 1,26 (s, 9H).	

691	7,78 – 7,77 (d, 2H,), 7,48-7,47 (d, 2H), 5,96 (s, 1H), 4,41-4,39 (m, 2H), 3,90 (s, 3H), 2,28 (s, 3H), 1,55 (s, 3H), 1,35 (s, 9H).	
602	1,34 (s, 9H), 1,49-1,51 (t, 3H), 1,56-1,57 (d, 3H), 2,32 (s, 3H), 4,12-4,16 (m, 2H), 4,54-4,55 (br, 2H), 5,25-5,34 (m, 2H), 5,82-5,87 (m, 1H), 5,88-5,90 (q, 1H,), 6,33 (s, 1H), 7,44-7,46 (d, 2H), 7,75-7,77 (d, 2H)	
604	1,35 (s, 9H), 1,50-1,52 (t, 3H), 1,57-1,58 (d, 3H), 2,32 (s, 3H), 3,11-3,13 (br, 1H), 4,12-4,17 (m, 2H), 4,64-4,65 (br, 2H), 5,88-5,91 (q, 1H), 6,35 (s, 1H), 7,45-7,46 (d, 2H), 7,74-7,75 (d, 2H)	
586	0,89-0,90 (d, 6H), 1,34 (s, 9H), 1,49-1,51 (t, 3H), 1,55-1,56 (d, 3H), 1,63-1,71 (m, 2H), 2,33 (s, 3H), 4,09-4,13 (br, 2H), 4,16-4,18 (m, 2H), 5,87-5,90 (q, 1H), 6,34 (s, 1H), 7,44-7,45 (d, 2H), 7,73-7,74 (d, 2H)	
595	1,35 (s, 9H), 1,48-1,51 (t, 3H), 1,60-1,61 (d, 3H), 2,32 (s, 3H), 4,09-4,17 (m, 2H), 4,39-4,43 (q, 2H), 5,88-5,90 (q, 1H), 6,33 (s, 1H), 7,45-7,46 (d, 2H), 7,74-7,75 (d, 2H)	
584	0,90-0,92 (t, 3H), 1,35 (s, 9H), 1,36-1,38 (m, 2H), 1,48-1,51 (t, 3H), 1,55-1,56 (d, 3H), 1,58-1,60 (m, 2H), 2,32 (s, 3H), 4,05-4,08 (m, 2H), 4,12-4,18 (m, 2H), 5,87-5,90 (q, 1H), 6,34 (s, 1H), 7,45-7,46 (d, 2H), 7,76-7,77 (d, 2H)	
596	1,35 (s, 9H), 1,48-1,51 (t, 3H), 1,55-1,56 (d, 3H), 2,32 (s, 3H), 3,35 (s, 3H), 3,61-3,62 (t, 2H), 4,11-4,18 (m, 2H), 4,28-4,30 (t, 2H), 5,87-5,90 (q, 1H), 6,34 (s, 1H), 7,45-7,46 (d, 2H), 7,74-7,75 (d, 2H)	
579	1,35 (s, 9H), 1,49-1,51 (t, 3H), 1,55-1,56 (d, 3H), 2,32 (s, 3H), 3,71 (s, 3H), 4,11-4,17 (m, 2H), 5,88-5,90 (q, 1H), 6,33 (s, 1H), 7,44-7,45 (d, 2H), 7,74-7,75 (d, 2H)	

580	1,23-1,26 (t, 3H), 1,34 (s, 9H), 1,49-1,51 (t, 3H), 1,55-1,56 (d, 3H), 2,32 (s, 3H), 4,09-4,13 (q, 2H), 4,15-4,18 (m, 2H,), 5,87-5,90 (q, 1H), 6,34 (s, 1H), 7,44-7,46 (d, 2H), 7,75-7,77 (d, 2H)	
585	0,90-0,91 (d, 6H), 1,34 (s, 9H), 1,49-1,51 (t, 3H), 1,56-1,57 (d, 3H), 1,89-1,93 (m, 1H), 2,32 (s, 3H), 3,81-3,87 (m, 2H), 4,10-4,18 (m, 2H), 5,87-5,89 (q, 1H), 6,34 (s, 1H), 7,43-7,45 (d, 2H), 7,75-7,77 (d, 2H)	
1027	7,67– 7,66 (d, 2H,), 7,36-7,34 (d, 2H), 6,25 (s, 1H), 5,77-5,74 (q, 1H), 4,09-4,07 (m, 2H), 4,05-4,00 (m, 2H), 2,94-2,90 (m, 1H), 1,47-1,46 (d, 3H), 1,41-1,38 (t, 3H), 1,25 (s, 9H), 1,20-1,19 (d, 6H), 1,17-1,16 (t, 3H).	
1028	7,76– 7,74 (d, 2H,), 7,46-7,44 (d, 2H), 6,35(s, 1H), 5,86-5,84 (q, 1H), 4,14-4,10 (m, 2H), 3,71 (s, 3H), 3,04-2,99 (m, 1H), 1,56-1,55 (d, 3H), 1,50-1,48 (t, 3H), 1,35 (s, 9H), 1,30-1,29 (d, 6H).	
1029	7,76 – 7,75 (d, 2H,), 7,45-7,44 (d, 2H), 6,35 (s, 1H), 5,86-5,83 (q, 1H), 4,20-4,10 (m, 2H), 4,06-4,04 (q, 2H), 3,04-2,99 (m, 1H), 1,59 (s, 4H), 1,56-1,55 (d, 3H), 1,50-1,48 (t, 3H), 1,34 (s, 9H), 1,30-1,28 (d, 6H), 0,93-0,90 (t, 3H).	
1030	7,76– 7,75 (d, 2H,), 7,45-7,44 (d, 2H), 6,35(s, 1H), 5,86-5,83 (q, 1H), 4,21-4,09 (m, 2H), 3,84-3,82 (q, 2H), 3,04-2,99 (m, 1H), 1,93-1,89 (m, 1H), 1,56-1,55 (d, 3H), 1,50-1,48 (t, 3H), 1,34 (s, 9H), 1,29-1,28 (d, 6H), 0,91-0,90 (d, 6H).	
1031	7,76– 7,74 (d, 2H,), 7,45-7,44 (d, 2H), 6,35 (s, 1H), 5,87-5,84 (q, 1H), 4,19-4,13 (m, 4H), 3,57-3,55 (q, 2H), 3,36 (s, 3H), 3,04-2,99 (m, 1H), 1,56-1,55 (d, 3H), 1,50-1,47 (t, 3H), 1,34 (s, 9H), 1,29-1,28 (d, 6H).	
1032	7,76– 7,75 (d, 2H,), 7,45-7,44 (d, 2H), 6,35 (s, 1H), 5,87-5,84 (q, 1H), 4,20-4,11 (m, 2H), 4,10-	

	4,07 (m, 2H), 3,04-2,99 (m, 1H), 1,56-1,55 (d, 3H), 1,51 (m, 2H), 1,50-1,48 (t, 3H), 1,34 (s, 9H), 1,29-1,28 (d, 6H), 0,90-0,89 (d, J = 6,66, 6H).	
1033	7,76– 7,75 (d, *J* 2H,), 7,45-7,44 (d, 2H), 6,35 (s, 1H), 5,87-5,84 (q, 1H), 5,26-5,17 (m, 2H), 4,46-4,45 (d, 2H), 4,10-4,03 (m, 2H), 2,96-2,91 (m, 1H), 1,49-1,48 (d, 3H), 1,42-1,39 (t, 3H), 1,26 (s, 9H), 1,22-1,20 (d, 6H).	
1034	7,75– 7,74 (d, 2H,), 7,46-7,44 (d, 2H), 6,36 (s, 1H), 5,88-5,85 (q, 1H), 4,64-4,63 (dd, 2H), 4,17-4,12 (m, 2H), 3,04-2,99-2,90 (m, 1H), 2,52-2,51 (t, 1H), 1,58-1,57 (d, 3H), 1,50-1,48 (t, 3H), 1,35 (s, 9H), 1,30-1,28 (d, 6H).	
1035	7,75– 7,74 (d, 2H,), 7,46-7,44 (d, 2H), 6,36 (s, 1H), 5,88-5,85 (q, 1H), 4,19-4,12 (m, 2H), 3,03-2,99 (m, 1H), 1,94 (s, 3H), 1,52-1,51 (d, 3H), 1,50-1,48 (t, 3H), 1,35 (s, 9H), 1,29-1,28 (d, 6H).	
1036	7,81 – 7,80 (d, 2H,), 7,48-7,47 (d, 2H), 5,95-5,93 (q, 1H), 3,93 (s, 3H), 3,71 (s, 3H), 2,29 (s, 3H), 1,66 (d, 3H), 1,35 (s, 9H).	
1037	7,72 – 7,70 (d, 2H,), 7,38-7,37 (d, 2H), 5,85-5,83 (q, 1H), 4,04-4,00 (m, 2H), 3,84 (s, 3H), 2,19 (s, 3H), 1,57-1,56 (d, 3H), 1,25 (s, 9H), 1,18-1,15 (t, 3H).	
1038	7,79 – 7,78 (d, 2H,), 7,49-7,47 (d, 2H), 5,96-5,94 (q, 1H), 4,41-4,40 (m, 2H), 3,91 (s, 3H), 2,28 (s, 3H), 1,71-1,70 (d, 3H), 1,35 (s, 9H).	
1039	7,79 – 7,78 (d, 2H,), 7,49-7,47 (d, 2H), 5,96-5,94 (q, 1H), 4,41-4,40 (m, 2H), 3,91 (s, 3H), 2,28 (s, 3H), 1,71-1,70 (d, 3H), 1,35 (s, 9H).	
1040	7,81 – 7,80 (d, 2H,), 7,48-7,46 (d, 2H), 5,94-5,92(q, 1H), 3,94 (s, 3H), 3,85-3,83 (m, 2H),	

	2,28 (s, 3H), 1,94-1,90 (m, 1H), 1,67-1,66 (d, 3H), 1,35 (s, 9H), 0,92-0,91 (t, 6H).	
1041	7,81 – 7,80 (d, 2H,), 7,47-7,46 (d, 2H), 5,94-5,92 (q, 1H), 3,94 (s, 3H), 2,28 (s, 3H), 1,94-1,90 (m, 1H), 1,66 (d, 3H), 1,61-1,58 (m, 1H), 1,53-1,50 (m, 2H), 1,35 (s, 9H), 0,91-0,90 (t, 6H).	
1042	7,81 – 7,80 (d, 2H,), 7,48-7,46 (d, 2H), 5,96-5,93 (q, 1H), 5,89-5,82 (m, 1H), 5,35-5,27 (m, 2H), 4,54-4,53 (d, 2H), 3,92 (s, 3H), 2,28 (s, 3H), 1,67-1,66 (d, 3H), 1,35 (s, 9H).	
1043	7,81 – 7,79 (d, 2H,), 7,48-7,46 (d, 2H), 5,96-5,93 (q, 1H), 4,21-4,20 (m, 2H), 3,93 (s, 3H), 3,57-3,56 (m, 2H), 3,36 (s, 3H), 2,28 (s, 3H), 1,66 (d, 3H), 1,35 (s, 9H).	
1044	7,82 – 7,80 (d, 2H,), 7,48-7,47 (d, 2H), 6,07-6,04 (q, 1H), 3,94 (s, 3H), 2,28 (s, 3H), 1,99 (s, 3H), 1,62-1,61 (d, 3H), 1,35 (s, 9H).	
1045	7,80– 7,79 (d, 2H,), 7,48-7,46 (d, 2H), 5,95 (s, 1H), 3,92 (s, 3H), 3,71 (s, 3H), 2,69-2,66 (q, 3H), 1,64-1,57 (d, 3H), 1,35 (s, 9H), 1,30-1,27 (t, 3H).	
1046	7,80– 7,79 (d, 2H,), 7,48-7,46 (d, 2H), 5,94 (s, 1H), 4,13-4,10 (q, 2H), 3,92 (s, 3H), 2,69-2,65 (q, 3H), 1,63-1,57 (d, 3H), 1,35 (s, 9H), 1,30-1,27 (t, 3H).	
1047	7,78– 7,77 (d, 2H,), 7,48-7,47 (d, 2H), 5,96 (s, 1H), 4,39-4,38 (m, 2H), 3,90 (s, 3H), 2,69-2,65 (q, 3H), 1,58 (s, 3H), 1,35(s, 9H), 1,27-1,25(t, 3H)	
1048	7,80– 7,79 (d, 2H,), 7,47-7,46 (d, 2H), 5,94 (s, 1H), 4,07-4,05 (t, 2H), 3,93 (s, 3H), 2,69-2,65 (q, 3H), 1,67-1,66 (m, 2H), 1,61-1,59 (m, 3H), 1,35 (s, 9H), 1,30-1,27 (t, 3H), 1,26-1,23 (m, 2H), 0,93-0,90 (t, 3H).	

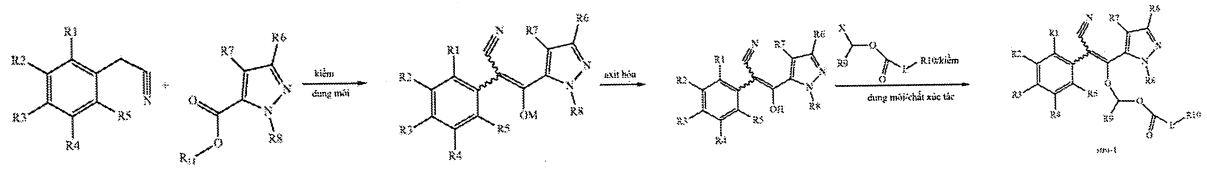
1049	7,80– 7,79 (d, 2H,), 7,47-7,46 (d, 2H), 5,94 (s, 1H), 3,93 (s, 3H), 3,84-3,83 (d, 2H), 2,69-2,65 (q, 3H), 1,94-1,90 (m, 1H), 1,64-1,60 (d, 3H), 1,35 (s, 9H), 1,30-1,27 (t, 3H), 0,92-0,91 (d, 6H).	
1050	7,80– 7,79 (d, 2H), 7,47-7,46 (d, 2H), 5,94 (s, 1H), 4,10-4,08 (t, 2H), 3,93 (s, 3H), 2,69-2,65 (q, 3H), 1,64 (m, 3H), 1,59-1,58 (m, 2H), 1,53-1,49 (q, 1H), 1,35 (s, 9H), 1,30-1,27 (t, 3H), 0,91-0,89 (d, 6H).	
1051	7,80– 7,79 (d, 2H,), 7,47-7,46 (d, 2H), 5,96-5,95 (m, 1H), 5,88-5,84 (m, 1H), 5,34-5,26 (m, 2H), 4,54-4,53 (d, J = 5,65, 2H), 3,91 (s, 3H), 2,69-2,65 (q, 3H), 1,64 (m, 3H), 1,35 (s, 9H), 1,30-1,27 (t, 3H).	
1052	7,80– 7,79 (d, 2H,), 7,47-7,46 (d, 2H), 5,95 (s, 1H), 4,32-4,30 (m, 2H), 3,92 (s, 3H), 3,57-3,56 (m, 2H), 3,36 (s, 3H), 2,69-2,65 (q, 3H), 1,67-1,62 (m, 3H), 1,35 (s, 9H), 1,30-1,27 (t, 3H).	
1053	7,79– 7,78 (d, 2H,), 7,48-7,46 (d, 2H), 5,97 (s, 1H), 4,14-4,08 (m, 2H), 3,93 (s, 3H), 2,68-2,65 (m, 2H), 1,65-1,63 (m, 3H), 1,35 (s, 9H), 1,30-1,27 (t, 3H).	
1054	7,80– 7,79 (d, 2H,), 7,48-7,47 (d, 2H), 6,06 (s, 1H), 3,94 (s, 3H), 2,69-2,65 (q, 3H), 2,02-1,99 (d, 3H), 1,58 (m, 3H), 1,35 (s, 9H), 1,26 (s, 3H).	
1055	7,82 – 7,80 (d, 2H,), 7,48-7,47 (dd, 8,47, 2H), 5,91-5,88 (q, 1H), 4,18-4,16(m, 2H), 3,71 (s, 3H), 2,30 (s, 3H), 1,64-1,63 (d, 3H), 1,53-1,51 (t, 3H), 1,35 (s, 9H).	
1056	7,82 – 7,81 (d, 2H,), 7,48-7,46 (dd, 8,57, 2H), 5,90-5,88 (q, 1H), 4,20-4,16 (m, 2H), 4,13-4,11 (qd, 2H), 2,30 (s, 3H), 1,64-1,63 (d, 3H), 1,53-1,51 (t, 3H), 1,35 (s, 9H), 1,27-1,25 (t, 3H).	

1057	7,80 – 7,79 (d, 2H,), 7,49-7,47 (d, 2H), 5,92-5,89 (q, *J*1H), 4,39-4,16 (m, 2H), 4,15-4,12 (m, 2H), 2,30 (s, 3H), 1,68-1,67 (d, 3H), 1,53-1,50 (t, 3H), 1,35 (s, 9H).	
1058	7,82 – 7,81 (d, 2H,), 7,48-7,46 (d, 2H), 5,90-5,87(q, 1H), 4,19-4,17 (m, 2H), 4,07-4,04 (m, 2H), 2,30 (s, 3H), 1,64-1,63 (d, 3H), 1,59-1,58 (t, 2H), 1,53-1,51 (t, 3H), 1,45-1,42 (t, 2H), 1,35 (s, 9H), 0,93-0,91 (t, 3H).	
1059	7,82 – 7,81 (d, 2H,), 7,47-7,46 (d, 2H), 5,90-5,87 (q, 1H), 4,14-4,10 (q, 2H), 3,85-3,83 (m, 2H), 2,30 (s, 3H), 1,95-1,91 (m, 1H), 1,64-1,63 (d, 3H), 1,35 (s, 9H), 1,27-1,25 (t, 3H), 0,93-0,92 (d, 6H).	
1060	7,78– 7,77 (d, 2H,), 7,48-7,47 (d, 2H), 5,96 (s, 1H), 4,39-4,38 (m, 2H), 3,90 (s, 3H), 2,69-2,65 (q, 3H), 1,58 (s, 3H), 1,35 (s, 9H), 1,27-1,25 (t, 3H).	
1061	7,80– 7,79 (d, 2H,), 7,47-7,46 (d, 2H), 5,94 (s, 1H), 4,07-4,05 (t, 2H), 3,93 (s, 3H), 2,69-2,65 (q, 3H), 1,67-1,66 (m, 2H), 1,61-1,59 (m, 3H), 1,35 (s, 9H), 1,30-1,27 (t, 3H), 1,26-1,23 (m, 2H), 0,93-0,90 (t, 3H).	
1062	7,80– 7,79 (d, 2H,), 7,47-7,46 (d, 2H), 5,94 (s, 1H), 3,93 (s, 3H), 3,84-3,83 (d, 2H), 2,69-2,65 (q, 3H), 1,94-1,90 (m, 1H), 1,64-1,60 (d, 3H), 1,35 (s, 9H), 1,30-1,27 (t, 3H), 0,92-0,91 (d, 6H).	
1063	7,80– 7,79 (d, 2H,), 7,47-7,46 (d, 2H), 5,94 (s, 1H), 4,10-4,08 (t, 2H), 3,93 (s, 3H), 2,69-2,65 (q, 3H), 1,64 (m, 3H), 1,59-1,58 (m, 2H), 1,53-1,49 (q, 1H), 1,35 (s, 9H), 1,30-1,27 (t, 3H), 0,91-0,89 (d, 6H).	
1064	7,80– 7,79 (d, 2H,), 7,47-7,46 (d, 2H), 5,96-5,95 (m, 1H), 5,88-5,84 (m, 1H), 5,34-5,26 (m, 2H), 4,54-4,53 (d, 2H), 3,91 (s, 3H), 2,69-2,65 (q,	

	3H), 1,64 (m, 3H), 1,35 (s, 9H), 1,30-1,27 (t, 3H).	
1065	7,80– 7,79 (d, 2H,), 7,47-7,46 (d, 2H), 5,95 (s, 1H), 4,32-4,30 (m, 2H), 3,92 (s, 3H), 3,57-3,56 (m, 2H), 3,36 (s, 3H), 2,69-2,65 (q, 3H), 1,67-1,62 (m, 3H), 1,35 (s, 9H), 1,30-1,27 (t, 3H).	
1066	7,79– 7,78 (d, 2H,), 7,48-7,46 (d, 2H), 5,97 (s, 1H), 4,14-4,08 (m, 2H), 3,93 (s, 3H), 2,68-2,65 (m, 2H), 1,65-1,63 (m, 3H), 1,35 (s, 9H), 1,30-1,27 (t, 3H).	
1067	7,80– 7,79 (d, 2H,), 7,48-7,47 (d, 2H), 6,06 (s, 1H), 3,94 (s, 3H), 2,69-2,65 (q, 3H), 2,02-1,99 (d, 3H), 1,58 (m, 3H), 1,35 (s, 9H), 1,26 (s, 3H).	
1318	0,99-1,02 (t,3H), 1,26 (s, 9H), 1,56-1,57 (d, 3H), 2,10 (s, 3H), 2,30 (s, 3H), 3,46-3,52 (m, 1H), 3,73-3,77 (m, 1H), 6,03-6,06 (q, 1H), 6,19 (s, 1H), 6,97-6,99 (d, 2H), 7,25-7,27 (d, 2H)	
159		408
180		438
320		438
401		410
547		398
580		426
740		446
835		398
873		454
933		440
969		468

1308		438
1742		446

Ngoài ra, sáng chế còn đề xuất phương pháp điều chế dẫn xuất pyrazol có công thức stru-1, phương pháp bao gồm:



trong đó X được chọn từ halogen.

Trong phương pháp điều chế theo sáng chế, tốt hơn là bazơ ít nhất được chọn từ bazơ hữu cơ và bazơ vô cơ; tốt hơn nữa là bazơ ít nhất được chọn từ natri cacbonat, kali cacbonat, natri bicacbonat, kali bicacbonat, natri oxit, kali hydroxit, natri hydrua, natri alkoxit và kali alkoxit.

Trong phương pháp điều chế theo sáng chế, tốt hơn axit ít nhất được chọn từ axit hữu cơ và axit vô cơ; tốt hơn nữa axit ít nhất được chọn từ axit clohydric, axit sulfuric và axit axetic.

Trong phương pháp điều chế theo sáng chế, tốt hơn dung môi ít nhất được chọn độc lập từ dung môi proton và không proton; tốt hơn nữa dung môi ít nhất được chọn độc lập từ axetonaxeton, metyl etyl keton, tetrahydrofuran, axetonitril, N, N-dimetylformamit, toluen và clobenzen.

Trong phương pháp điều chế theo sáng chế, X được chọn từ halogen; tốt hơn X được chọn từ clo, brom hoặc iot.

Trong phương pháp điều chế theo sáng chế, chất xúc tác ít nhất được chọn từ kali iođua, natri iođua, và chất xúc tác chuyển pha.

Ngoài ra, sáng chế còn đề xuất thuốc trừ sâu và thuốc diệt ve bét dùng trong nông nghiệp. Thuốc trừ sâu và thuốc diệt ve bét chứa dẫn xuất pyrazol có công thức stru-1 với tỉ lệ hỗn hợp nằm trong khoảng từ 0,1 đến 99%. Thuốc trừ sâu và thuốc diệt ve bét tốt hơn nữa có thể chứa chất mang và chất phụ trợ thường được sử dụng trong ngành công nghiệp ngoài dẫn xuất pyrazol có công thức stru-1.

Dẫn xuất pyrazol có công thức stru-1 theo sáng chế thích hợp để phòng ngừa và kiểm soát các loài gây hại, cụ thể là thích hợp để phòng ngừa và kiểm soát ít nhất một trong số các loại ve bét trưởng thành, nhộng trần, trứng ve, rệp và rầy nâu trên cây trồng. Dẫn xuất pyrazol rất phù hợp để phòng ngừa và kiểm soát các loại động vật gây hại trên các loại cây nho, trái cây, cây trong vườn, cây nông nghiệp, thú y, rừng, các sản phẩm lưu trữ, các lĩnh vực nguyên liệu và y tế.

Tốt hơn là dẫn xuất pyrazol được sử dụng để phòng ngừa và kiểm soát ít nhất một trong số các loài thuộc bộ chân đều (Isopoda), lớp chân kép (Diplopoda), lớp chân môi (Chilopoda), lớp rết tơ (Symphyla), bộ ba đuôi (Thysanura), bộ đuôi bật (Collembola), bộ cánh thẳng (Orthoptera), bộ gián (Blattaria), bộ cánh da (Dermaptera), bộ cánh đều (Isoptera), bộ chấy rận (Phthiraptera), bộ cánh tơ (Thysanoptera), bộ cánh nửa (Heteroptera), bộ cánh giống (Homoptera), bộ cánh vẩy (Lepidoptera), bộ cánh cứng (Coleoptera), bộ cánh màng (Hymenoptera), bộ hai cánh (Diptera), bộ bọ chét (Siphonaptera), lớp nhện (Arachnida) và giun tròn ký sinh trên thực vật.

Bộ chân đều (Isopoda), ví dụ như, *Oniscus asellus*, *Armadillidium vulgare*, *Porcellio scaber.*

Lớp chân kép (Diplopoda), ví dụ như *Blaniulus guttulatus*..

Lớp chân môi (Chilopoda), ví dụ như *Geophilus carpophagus*, *Scutigera* spp..

Lớp rết tơ (Symphyla), ví dụ như *Scutigerella immaculate.*

Bộ ba đuôi (Thysanura), ví dụ như *Lepisma saccharina.*

Bộ đuôi bật (Collembola), ví dụ như *Onychiurus armatus.*

Bộ cánh thẳng (Orthoptera), ví dụ như *Acheta domesticus, Gryllotalpa spp., Locusta migratoria, Melanoplus spp., Schistocer cagregaria.*

Bộ gián (Blattaria), ví dụ như *Blatta orientalis, Periplanet aamericana, Leucophae amaderae, Blattella germanica.*

Bộ cánh da (Dermaptera), ví dụ như *Forficula auricularia.*

Bộ cánh đều *(Isoptera),* ví dụ như *Reticulitermes spp.*.

Bộ chấy rận (Phthiraptera), ví dụ như, *Pediculus humanuscorporis, Haematopinus spp., Linognathus spp., Trichodectes spp. và Damalinia spp.*.

Bộ cánh tơ (Thysanoptera), ví dụ như, *Hercinothrips femoralis, Thrips tabaci, Thrips palmi, Frankliniella occidentalis.*

Bộ cánh nửa (Heteroptera), ví dụ như, *Eurygaster spp., Dysdercus intermedius, Piesma quadrata, Cimexlectularius, Rhodnius prolixus, Triatoma spp.*.

Bộ cánh giống (Homoptera), ví dụ như, *Aleurodes brassicae, Bemisia tabaci, Trialeurodes vaporariorum, Aphis gossypii, Brevicoryne brassicae, Cryptomyzus ribis, Aphis fabae, Aphis pomi, Eriosoma lanigerum, Hyalopterus arundinis, Phylloxera vastatrix, Pemphigus spp., Macrosiphum avenae, Myzus spp., Phorodon humuli, Rhopalosiphum padi, Empoasca spp., Euscelis bilobatus, Nephotettix cincticeps, Lecanium corni, Saissetia oleae, Laodelphax striatellus, Nilaparvatalugens, Aonidiella aurantii, Aspidiotus hederae, Pseudococcus spp., Psylla spp.*

Bộ cánh vẩy (Lepidoptera), ví dụ như, *Pectinophora gossypiella, Bupalus piniarius, Cheimatobia brumata, Lithocolletis blancardella, Hyponomeuta padella, Plutella xylostella, Malacosoma neustria, Euproctis chrysorrhoea, Lymantria spp., Bucculatrix thurberiella, Phyllocrnistis citrella, Agrotis spp., Euxoa spp., Feltia spp., Earias insulana, Heliothis spp., Mamestra brassicae, Panolis flammea, Spodoptera spp., Trichoplusia ni, Carpocap sapomonella, Pieris spp., Chilo spp., Pyrausta nubilalis, Ephestia kuehniella, Galleria mellonella, Tineola bisselliella, Tinea pellionella, Hofmannophilap seudospretella, Cacoecia podana, Choristoneura fumiferana, Clysia ambiguella, Homona magnanima, Tortrix viridana, Cnaphalocerus spp., Oulema oryzae..*

Bộ cánh cứng (Coleoptera), ví dụ như, *Anobium punctatum, Rhizopertha dominica, Bruchidius obtectus, Acanthoscelides obtectus, Hylotrupes bajulus, Agelastica alni, Leptinotarsa decemlineata, Phaedon cochleariae, Diabrotica spp., Psylliodes chrysocephala, Epilachna varivestis, Atomaria spp., Oryzaephilus surinamensis, Anthonomus spp., Sitophilus spp., Otiorrhynchus sulcatus, Cosmopolites sordidus, Ceuthorrhynchus assimilis, Hypera postica, Dermestes spp., Trogoderma spp., Anthrenus spp., Attagenus spp., Lyctus spp., Meligethes aeneus, Ptinus spp., Niptus bololeucus , Gibbium psylloides, Tribolium spp., Tenebrio molitor, Agriotes spp., Conoderus spp., Melolontha melolontha, Amphimallon solstitialis, Costelytra zealandica, Lissorhoptrus oryzophilus.*

Bộ cánh màng (Hymenoptera), ví dụ như, *Diprion spp., Hoplocampa spp., Lasius spp., Monomorium pharaonis, Vespa spp..*

Bộ hai cánh (Diptera), ví dụ như, *Aedes spp., Anopheles spp., Culex spp., Drosophila melanogaster, Musca spp., Fannia spp., Calliphora vicina, Lucilia spp., Chrysomyia spp., Cuterebra spp., Gastrophilus spp., Hyppobosca spp., Stomoxys spp., Oestrus spp., Hypoderma spp., Tabanus spp., Bibio hortulanus, Oscinella frit, Phorbia spp., Pegomyia hyoscyami, Ceratitis capitata, Dacus oleae, Tipula paludosa, Hylemyia spp., Liriomyza spp..*

Bộ bọ chét (Siphonaptera), ví dụ như, *Xenopsylla cheopis, Ceratophyllus spp..*

Lớp nhện (Arachnida), ví dụ như, *Scorpio maurus, Latrodectus mactans, Acarus siro, Argas spp., Ornithodoros spp., Dermanyssus gallinae, Erio phyesribis, Phyllocoptruta oleivora, Boophilus spp., Rhipicephalus spp., Amblyomma spp., Hyalomma spp., Ixodes spp., Psoroptes spp., Chorioptes spp., Sarcoptes spp., Tarsonemus spp., Bryobia praetiosa, Panonychus spp., Tetranychus spp., Hemitarsonemus spp., Brevipalpus spp..*

Giun tròn ký sinh trên thực vật, bao gồm, ví dụ như, *Pratylenchus spp., Radopholus similis, Ditylenchus dipsaci, Tylenchulus semipenetrans,*

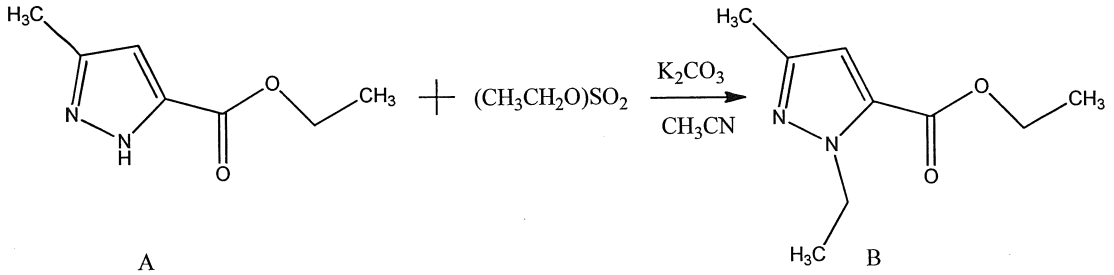
Heterodera spp., Globodera spp., Meloidogyne spp., Aphelenchoides spp., Longidorus spp., Xiphinema spp., Trichodorus spp., Bursaphelenchus spp..

Ví dụ thực hiện sáng chế

I. Điều chế hợp chất

Ví dụ 1 – Điều chế hợp chất trung gian

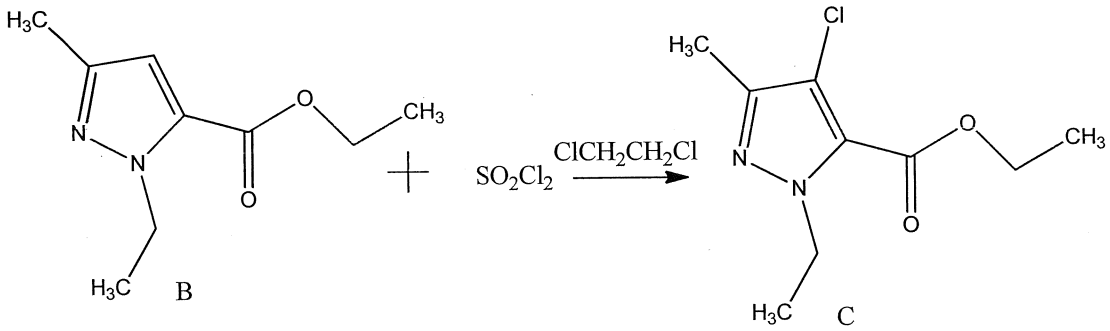
(1) Tổng hợp hợp chất trung gian etyl este của axit 1-etyl-3-metyl-5-pyrazolcarboxylic



A B

Bổ sung 154,1g (1 mol) hợp chất trung gian A vào bình thót cổ thể tích 1000ml, sau đó bổ sung 500ml axetonitril và 138g kali cacbonat, sau đó bổ sung 1 mol dietyl sulphat, hệ thống được khuấy và gia nhiệt tới nhiệt độ hồi lưu đến khi phản ứng hoàn thành trong khoảng 3 giờ bằng phương pháp sắc ký lớp mỏng. Hệ thống được lọc và dịch cái được làm bay hơi đến trạng thái khô bằng máy cô quay chân không, phần còn lại được chưng cất dưới áp suất giảm để thu được 140g hợp chất trung gian B, với hiệu suất 77,0%.

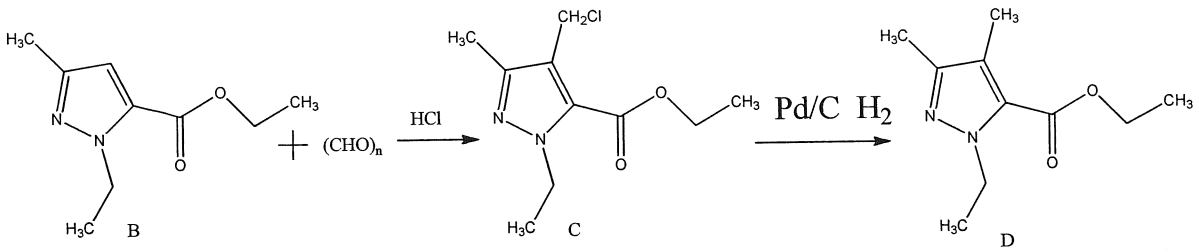
(2) Tổng hợp hợp chất trung gian etyl este của axit 1-etyl-3-metyl-4-clo-5-pyrazolcarboxylic



B C

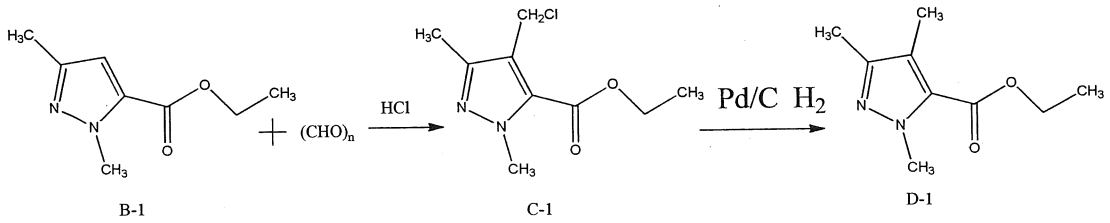
Bổ sung 18,2g (0,1 mol) hợp chất trung gian B vào bình thót cổ thể tích 100ml, bổ sung 50ml dicloetan và 138g kali cacbonat, và sau đó bổ sung 0,11 mol sulfonyl clorua. Hệ thống được khuấy và gia nhiệt tới nhiệt độ hồi lưu đến khi phản ứng hoàn thành trong khoảng 2,5 giờ bằng phương pháp sắc ký lớp mỏng. Dịch cái được làm bay hơi đến trạng thái khô và phần còn lại được dùng trong phản ứng tiếp theo mà không cần xử lý.

(3) Tổng hợp chất trung gian etyl este của axit 1-etyl-3-metyl-4-metyl-5-pyrazolcarboxylic



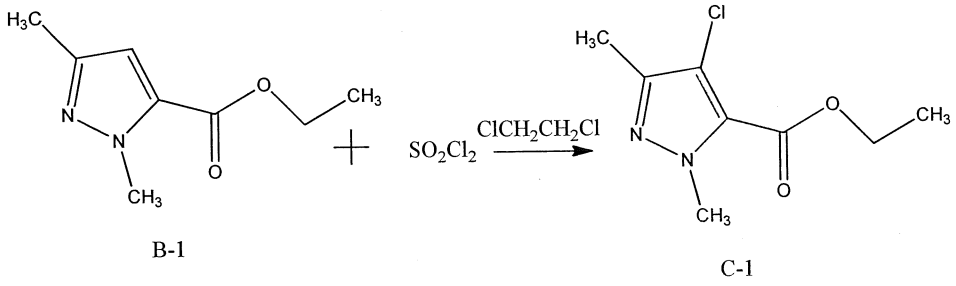
Hợp chất trung gian D được điều chế theo phương pháp được nêu trong tài liệu số JP2001342178A.

(4) Tổng hợp chất trung gian etyl este của axit 1-metyl-3-metyl-4-metyl-5-pyrazolcarboxylic



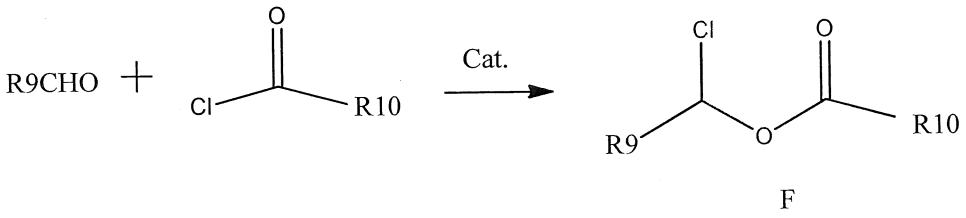
Hợp chất trung gian D-1 được điều chế theo phương pháp được nêu trong tài liệu số JP2001342178A.

(5) Tổng hợp chất trung gian etyl este của axit 1-metyl-3-metyl-4-clo-5-pyrazolcarboxylic



Hợp chất trung gian C-1 được điều chế theo phương pháp giống phương pháp điều chế chất trung gian C.

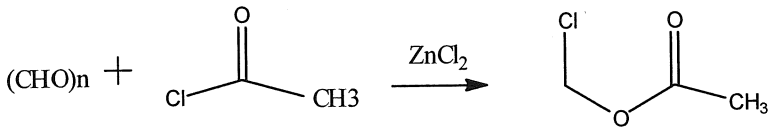
(6) Điều chế hợp chất trung gian F



Quy trình thông thường: Aldehyt được thế và kẽm clorua với lượng xúc tác được khuấy đều trong lò phản ứng, và bổ sung axyl clorua được thế từ từ từng giọt vào ở trạng thái lạnh. Sau khi bổ sung từng giọt, hỗn hợp được khuấy liên tục trong vòng 1-2 giờ ở nhiệt độ thấp, và làm ấm để tiếp tục phản ứng trong vòng 5 giờ, và tinh chế bằng

cách chưng cất dưới áp suất giảm.

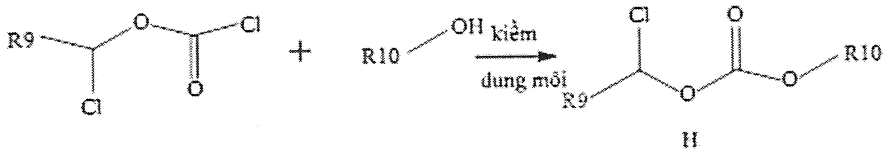
Điều chế hợp chất trung gian clometyl axetat:



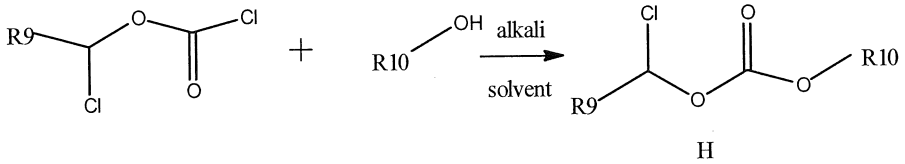
F-1

Bổ sung 50g (0,6 mol) axetyl clorua theo từng giọt vào hỗn hợp gồm 85g paraformaldehyt và 1,75g kẽm clorua sau khi làm lạnh xuống 0°C. Việc bổ sung từng giọt được hoàn thành trong khoảng 2 giờ, và sau đó hệ thống phản ứng được làm ấm lên nhiệt độ trong phòng để phản ứng trong 1 giờ, và sau đó gia nhiệt đến 90℃ để tiếp tục phản ứng trong 10 giờ, làm mát, lọc để loại bỏ chất rắn, và sau đó thu được 45g hợp chất trung gian F-1 bằng cách chưng cất áp suất giảm.

(7) Điều chế hợp chất trung gian H



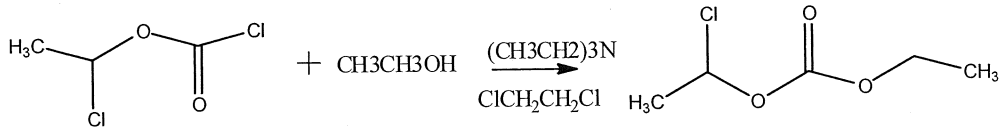
H



H

Quy trình thông thường: Bổ sung clo cloroformat từng giọt từ từ vào rượu và dung dịch trietylamin được thế ở trạng thái lạnh, sau khi bổ sung từng giọt, hỗn hợp được khuấy liên tục trong 1-2 giờ ở nhiệt độ thấp, và làm ấm để tiếp tục phản ứng trong 1 giờ, lọc và dung môi được chưng cất, và sau đó tinh chế bằng cách chưng cất ở áp suất giảm để thu được hợp chất trung gian H.

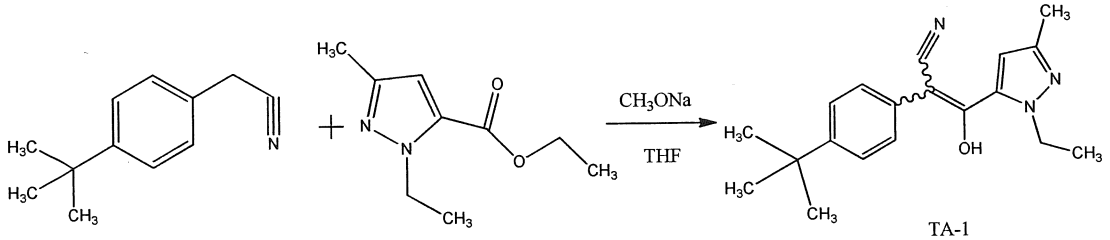
Điều chế hợp chất trung gian H-1:



H-1

Khi làm lạnh đến 0°C, 71,5g (0,5 mol) 1-cloetyl cloroformat được bổ sung vào theo từng giọt vào 40g và 52,0g trietylamin trong 250ml dung môi toluen. Việc bổ sung từng giọt được hoàn thành trong 2 giờ, và sau đó hệ thống phản ứng được làm ấm lên nhiệt độ trong phòng để phản ứng trong 1 giờ, và sau đó lọc để loại bỏ chất rắn, thu được 78,5g hợp chất trung gian H-1 bằng cách chưng cất giảm áp suất.

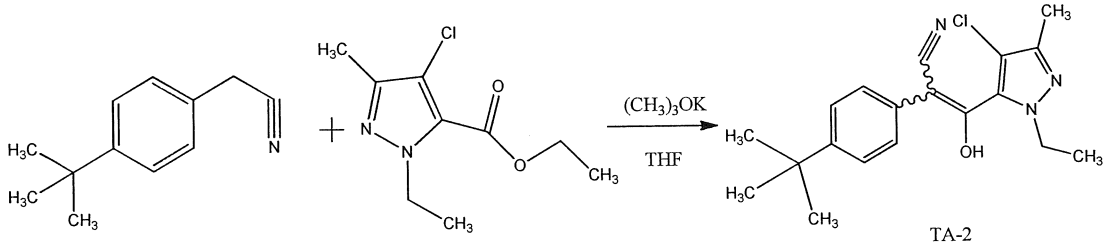
(8) Điều chế hợp chất trung gian TA-1



B TA-1

Hòa tan 17,3g p-tert-butyl phenylaxetonitril trong 70ml THF khan, khi hệ thống được làm lạnh tới -5 °C, lượng mol tương đương của natri metoxit rắn được bổ sung vào hỗn hợp, và sau đó lượng mol tương đương của hợp chất trung gian B được bổ sung vào từng giọt trong khi khuấy. Khi việc bổ sung từng giọt được hoàn thành trong 2 giờ, hỗn hợp tiếp tục được khuấy trong 1,5 giờ và sau đó được làm ấm lên nhiệt độ trong phòng để tiếp tục khuấy trong 2 giờ, sau phản ứng, THF được làm bay hơi. Phần còn lại được hòa tan trong nước và sau đó được trung hòa bằng axit clohydric đến độ pH 4, được chiết bằng etyl axetat, làm khô bằng natri sulphat khan để làm bay hơi etyl axetat và thu được hợp chất trung gian TA-1, hợp chất này được dùng trong phản ứng tiếp theo mà không cần tinh chế.

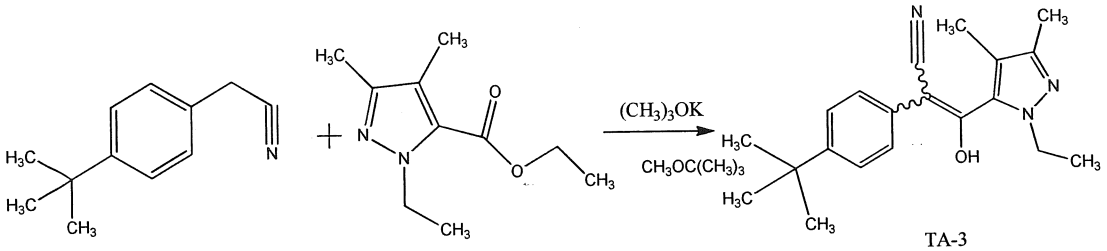
(9) Điều chế hợp chất trung gian TA-2



C TA-2

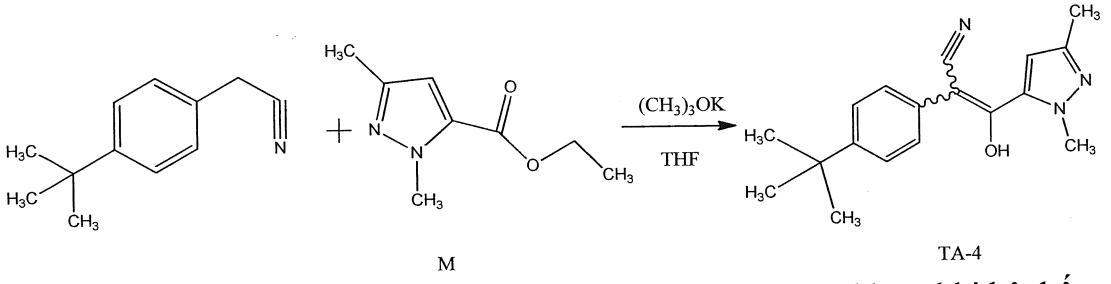
Hòa tan 17,3g p-tert-butyl phenylaxetonitril trong 70ml THF khan, khi hệ thống được làm lạnh đến -5 °C, lượng mol tương đương của kali tert-butoxit được bổ sung vào hỗn hợp, và sau đó, lượng mol tương đương của hợp chất trung gian C được bổ sung vào theo từng giọt trong khi khuấy. Khi việc bổ sung từng giọt được hoàn thành trong 2,5 giờ, hỗn hợp được khuấy liên tục trong 2 giờ, và sau đó làm ấm lên đến nhiệt độ trong phòng để tiếp tục khuấy trong 2 giờ, sau phản ứng, THG được làm bay hơi. Phần còn lại được hòa tan trong nước và sau đó được trung hòa bằng axit clohydric đến độ pH 4, được chiết bằng etyl axetat, làm khô bằng natri sulfat khan để làm bay hơi etyl axetat và thu được hợp chất trung gian TA-2, hợp chất này được dùng trong phản ứng tiếp theo mà không cần tinh chế.

(10) Điều chế hợp chất trung gian TA-3



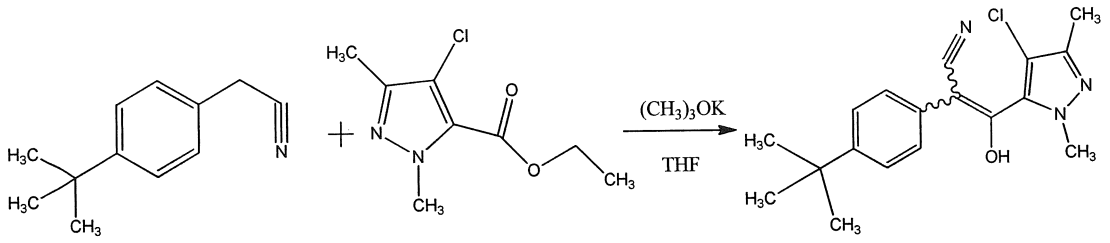
Hòa tan 17,3g p-tert-butyl phenylaxetonitril trong 70ml metyl tert-butyl ete, khi hệ thống được làm lạnh đến -5 °C, lượng mol tương đương của kali tert-butoxit rắn được bổ sung vào hỗn hợp, và sau đó lượng mol tương đương của hợp chất trung gian D được bổ sung vào theo từng giọt trong khi khuấy. Khi việc bổ sung từng giọt được hoàn thành trong 3 giờ, hỗn hợp được khuấy liên tục trong 2 giờ, và sau đó làm ấm lên nhiệt độ trong phòng để tiếp tục khuấy trong 2 giờ, sau phản ứng, metyl tert-butyl ete được làm bay hơi. Phần còn lại được hòa tan trong nước và sau đó được trung hòa bằng axit clohydric đến độ pH 4, chiết bằng etyl axetat, làm khô bằng natri sulfat khan để làm bay hơi etyl axetat và thu được hợp chất trung gian TA-3, hợp chất này được dùng trong phản ứng tiếp theo mà không cần tinh chế.

(11) Điều chế hợp chất trung gian TA-4



Hòa tan 17,3g p-tert-butyl phenylaxetonitril trong 70ml THF khan, khi hệ thống được làm lạnh đến -5 °C, lượng mol tương đương của natri metoxit rắn được bổ sung vào hỗn hợp, và sau đó lượng mol tương đương của hợp chất trung gian M được bổ sung vào theo từng giọt trong khi khuấy. Khi việc bổ sung theo từng giọt được hoàn thành trong 2 giờ, hỗn hợp được khuấy liên tục trong 1,5 giờ, và sau đó làm ấm lên nhiệt độ trong phòng để tiếp tục khuấy trong 2 giờ, sau phản ứng, THF được làm bay hơi. Phần còn lại được hòa tan trong nước và sau đó được trung hòa bằng axit clohydric đến pH 4, chiết bằng etyl axetat, làm khô bằng natri sulfat khan để làm bay hơi etyl axetat và thu được hợp chất trung gian TA-4, hợp chất này được dùng trong phản ứng tiếp theo mà không cần tinh chế.

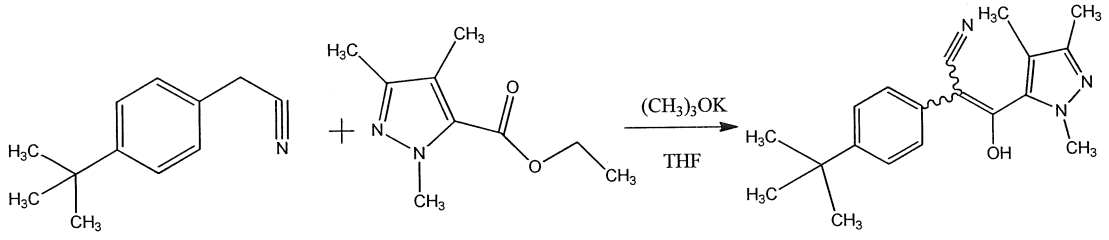
Điều chế hợp chất trung gian TA-5:



C-1 TA-5

Hòa tan 17,3 g p-tert-butyl phenylaxetonitril trong 70ml THF khan, khi hệ thống được làm lạnh đến -5 °C, lượng mol tương đương của kali tert-butoxit rắn được bổ sung vào hỗn hợp, và sau đó lượng mol tương đương của hợp chất trung gian C được bổ sung vào theo từng giọt trong khi khuấy. Khi việc bổ sung theo từng giọt được hoàn thành trong 2,5 giờ, hỗn hợp được khuấy liên tục trong 2,0 giờ, và sau đó làm ấm lên đến nhiệt độ trong phòng để tiếp tục khuấy trong 2 giờ, sau phản ứng, THF được làm bay hơi. Phần còn lại được hòa tan trong nước và sau đó được trung hòa bằng axit clohydric đến pH 4, chiết bằng etyl axetat, làm khô bằng natri sulfat khan để làm bay hơi etyl axetat và thu được hợp chất trung gian TA-5, hợp chất này được dùng trong phản ứng tiếp theo mà không cần tinh chế.

Điều chế hợp chất trung gian TA-6:

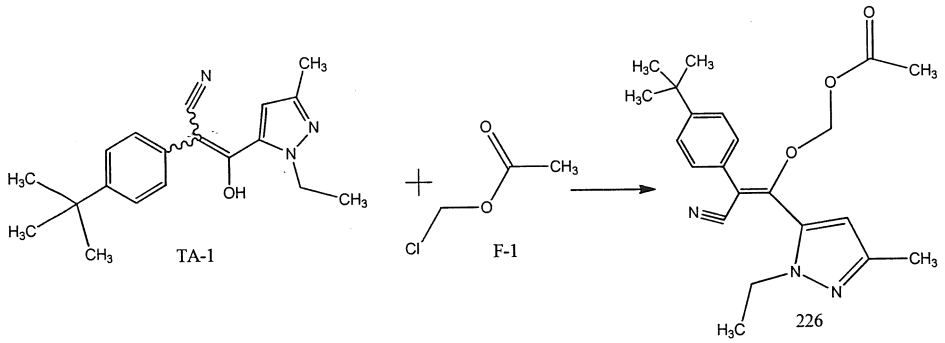


D-1 TA-6

Hòa tan 17,3g p-tert-butyl phenylaxetonitril trong 70ml THF, khi hệ thống được làm lạnh đến -5 °C, lượng mol tương đương của kali tert-butoxit rắn được bổ sung vào hỗn hợp, và sau đó lượng mol tương đương của chất trung gian D-1 được bổ sung vào theo từng giọt trong khi khuấy. Khi việc bổ sung theo từng giọt được hoàn thành trong 3 giờ, hỗn hợp được khuấy liên tục trong 2 giờ, và sau đó làm ấm lên đến nhiệt độ trong phòng để tiếp tục khuấy trong 2 giờ, sau phản ứng, MTBE được làm bay hơi. Phần còn lại được hòa tan trong nước và sau đó được trung hòa bằng axit clohydric đến pH 4, chiết bằng etyl axetat, làm khô bằng natri sulfat khan để làm bay hơi etyl axetat và thu được hợp chất trung gian TA-3, hợp chất này được dùng trong phản ứng tiếp theo mà không cần tinh chế.

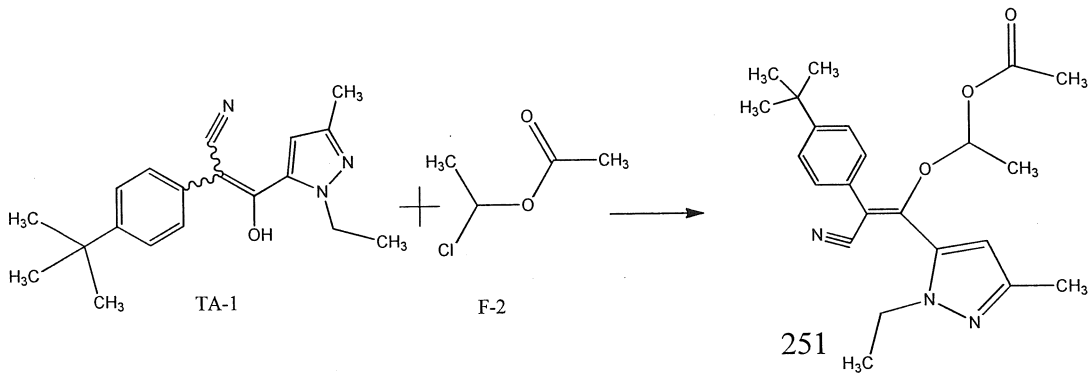
Ví dụ 2 – Điều chế các hợp chất đích

(1) Điều chế hợp chất đích 226



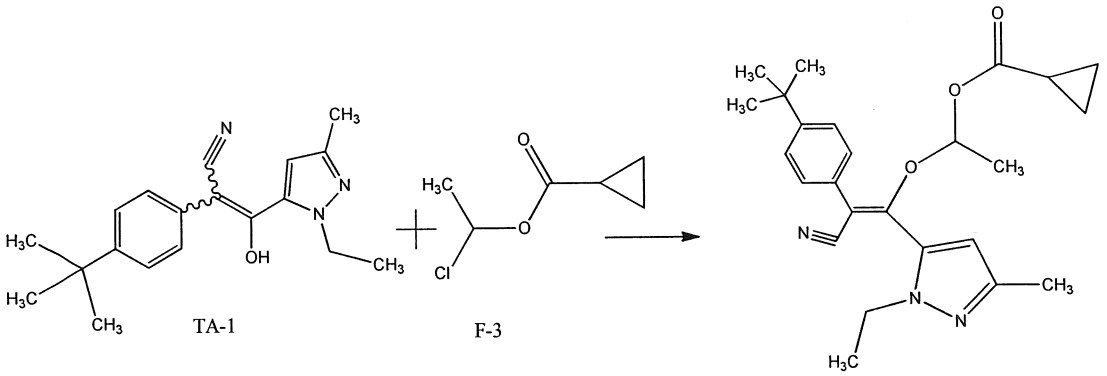
0,31g (0,001 mol) hợp chất trung gian TA-1 và 0,12g (0,0011 mol) hợp chất trung gian F-1, 0,15g natri cacbonat và một lượng xúc tác của natri iođua được bổ sung vào 25ml axetonitril, gia nhiệt để hồi lưu trong 7 giờ, khi phản ứng hoàn thành bằng phương pháp sắc ký lớp mỏng, hệ thống được làm mát xuống nhiệt độ trong phòng để lọc chất rắn và làm bay hơi axetonitril. Phần còn lại được tinh chế bằng phương pháp sắc ký cột để thu được 0,32 g sản phẩm với hiệu suất 84%.

(2) Điều chế hợp chất đích 251



31g (0,1 mol) hợp chất trung gian TA-1 và 13g (0,11 mol) hợp chất trung gian F-2, 15g natri cacbonat và một lượng xúc tác của natri iođua được bổ sung vào 25ml axetonitril, gia nhiệt để hồi lưu trong 10 giờ, khi phản ứng hoàn thành bằng phương pháp sắc ký lớp mỏng, hệ thống được làm mát xuống nhiệt độ trong phòng để lọc chất rắn và làm bay hơi axetonitril. Phần còn lại được tinh chế bằng phương pháp sắc ký cột để thu được 35,1g sản phẩm, với hiệu suất 89%.

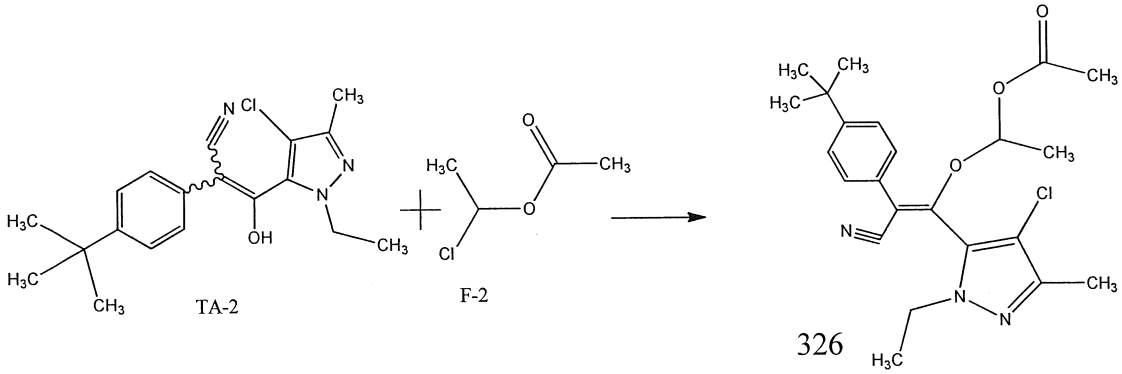
(3) Điều chế hợp chất đích 259



TA-1 F-3 259

0,31g (0,001 mol) hợp chất trung gian TA-1 và 0,13g (0,0011 mol) hợp chất trung gian F-3, 0,15g natri cacbonat và một lượng xúc tác của natri iođua được bổ sung vào 25ml axetonitril, gia nhiệt để hồi lưu trong 12 giờ, khi phản ứng hoàn thành bằng phương pháp sắc ký lớp mỏng, hệ thống được làm mát xuống nhiệt độ trong phòng để lọc chất rắn và làm bay hơi axetonitril. Phần còn lại được tinh chế bằng phương pháp sắc ký cột để thu được 0,28g sản phẩm với hiệu suất 66%.

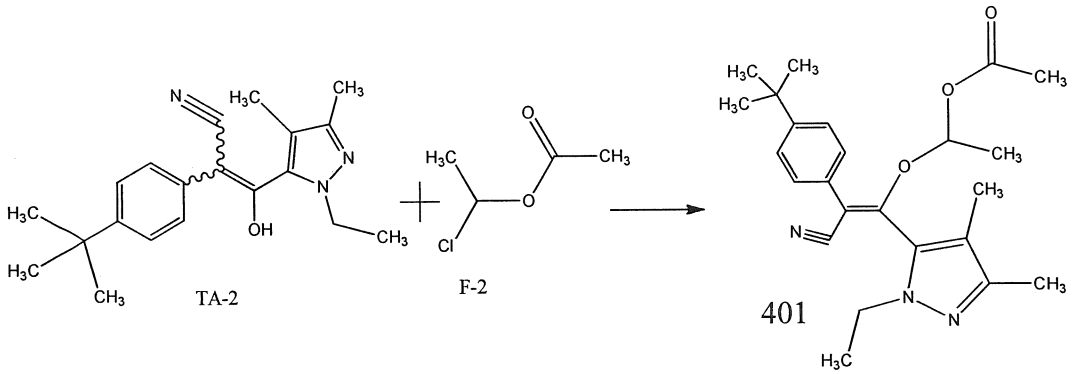
(4) Điều chế hợp chất đích 326



TA-2 F-2 326

0,34g (0,001 mol) hợp chất trung gian TA-2 và 0,13g (0,0011 mol) hợp chất trung gian F-2, 0,15g natri cacbonat và một lượng xúc tác của natri iođua được bổ sung vào 25 N, N-Dimetylformamit, gia nhiệt đến 70℃ để phản ứng trong 4 giờ, khi phản ứng hoàn thành bằng phương pháp sắc ký lớp mỏng, hệ thống được làm mát xuống nhiệt độ trong phòng để lọc chất rắn và làm bay hơi dung môi dưới áp suất giảm. Phần còn lại được tinh chế bằng phương pháp sắc ký cột để thu được 0,24g sản phẩm với hiệu suất 56%.

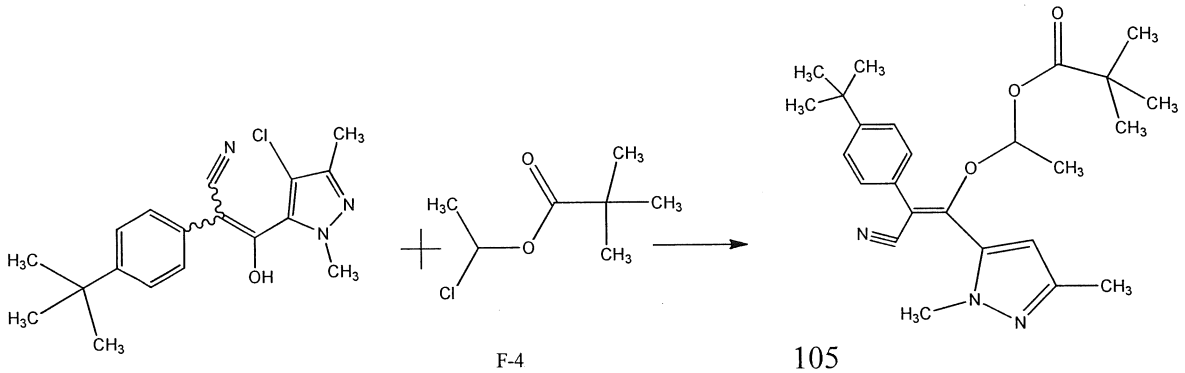
(5) Điều chế hợp chất đích 401



TA-2 F-2 401

0,32g (0,001 mol) hợp chất trung gian TA-1 và 0,13g (0,0011 mol) hợp chất trung gian F-2, 0,15g natri cacbonat và một lượng xúc tác của natri iođua được bổ sung vào 25ml axetonitril, gia nhiệt để hồi lưu trong 11 giờ, khi phản ứng hoàn thành bằng phương pháp sắc ký lớp mỏng, hệ thống được làm mát xuống nhiệt độ trong phòng để lọc chất rắn và làm bay hơi dung môi dưới áp suất giảm. Phần còn lại được tinh chế bằng phương pháp sắc ký cột để thu được 0,29g sản phẩm với hiệu suất 71%.

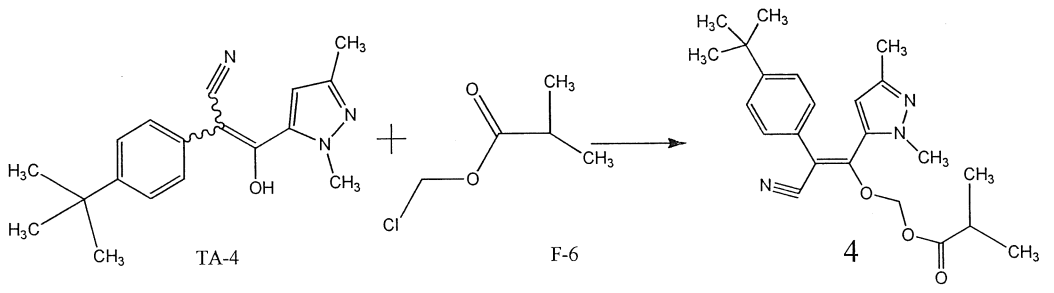
(6) Điều chế hợp chất đích 105



TA-5 F-4 105

0,33g (0,1 mol) hợp chất trung gian TA-5 và 0,18g (0,11 mol) hợp chất trung gian F-4, 0,15g natri cacbonat và một lượng xúc tác của natri iođua được bổ sung vào 25ml axetonitril, gia nhiệt để hồi lưu trong 11 giờ, khi phản ứng hoàn thành bằng phương pháp sắc ký lớp mỏng, hệ thống được làm mát xuống nhiệt độ trong phòng để lọc chất rắn và làm bay hơi axetonitril. Phần còn lại được tinh chế bằng phương pháp sắc ký cột để thu được 0,25g sản phẩm với hiệu suất 55%.

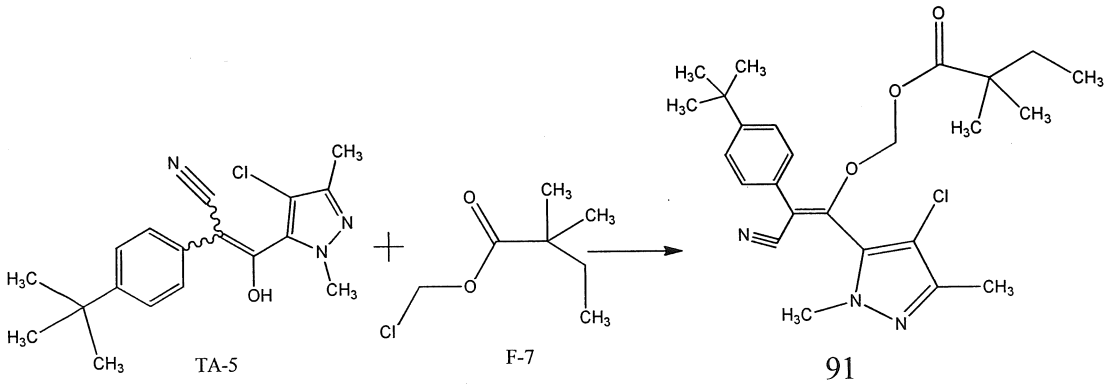
(7) Điều chế hợp chất đích 4



TA-4 F-6 4

0,295g (0,1 mol) hợp chất trung gian TA-4 và 0,15g (0,11mol) hợp chất trung gian F-6, 0,15g natri cacbonat và một lượng xúc tác của natri iođua được bổ sung vào 25ml axetonitril, gia nhiệt để hồi lưu trong 5 giờ, khi phản ứng hoàn thành bằng phương pháp sắc ký lớp mỏng, hệ thống được làm mát xuống nhiệt độ trong phòng để lọc chất rắn và làm bay hơi axetonitril. Phần còn lại được tinh chế bằng phương pháp sắc ký cột để thu được 0,31g sản phẩm với hiệu suất 78%.

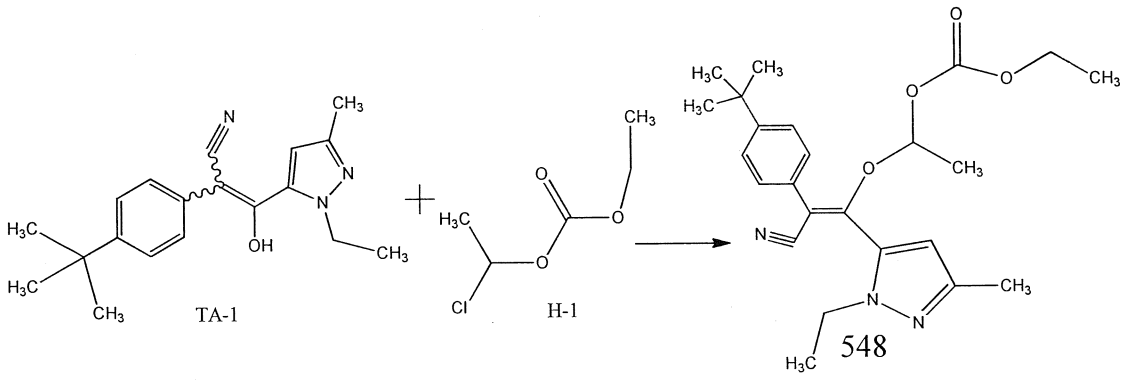
(8) Điều chế hợp chất đích 91



TA-5 F-7 91

0,33g (0,1 mol) hợp chất trung gian TA-5 và 0,18g (0,11 mol) hợp chất trung gian F-4, 0,15g natri cacbonat và một lượng xúc tác của natri iođua được bổ sung vào 25ml axetonitril, gia nhiệt để hồi lưu trong 11 giờ, khi phản ứng hoàn thành bằng phương pháp sắc ký lớp mỏng, hệ thống được làm mát xuống nhiệt độ trong phòng để lọc chất rắn và làm bay hơi axetonitril. Phần còn lại được tinh chế bằng phương pháp sắc ký cột để thu được 0,25g sản phẩm với hiệu suất 55%.

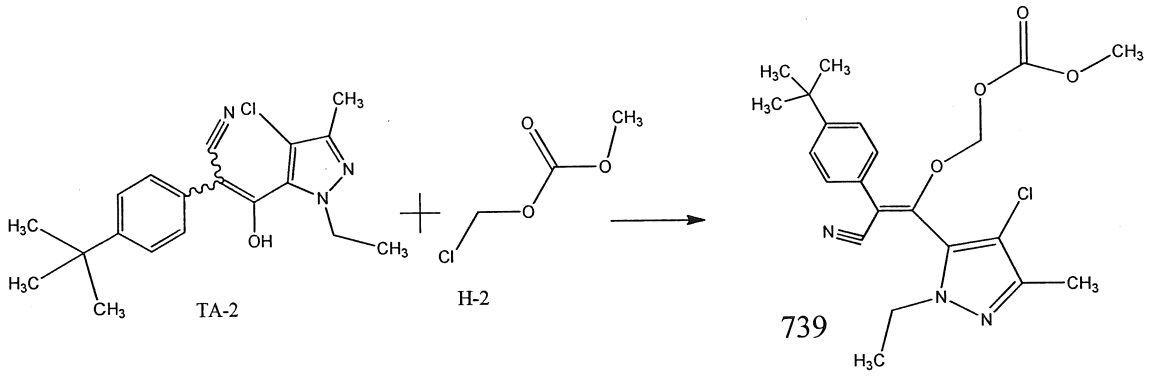
(9) Điều chế hợp chất đích 548



TA-1 H-1 548

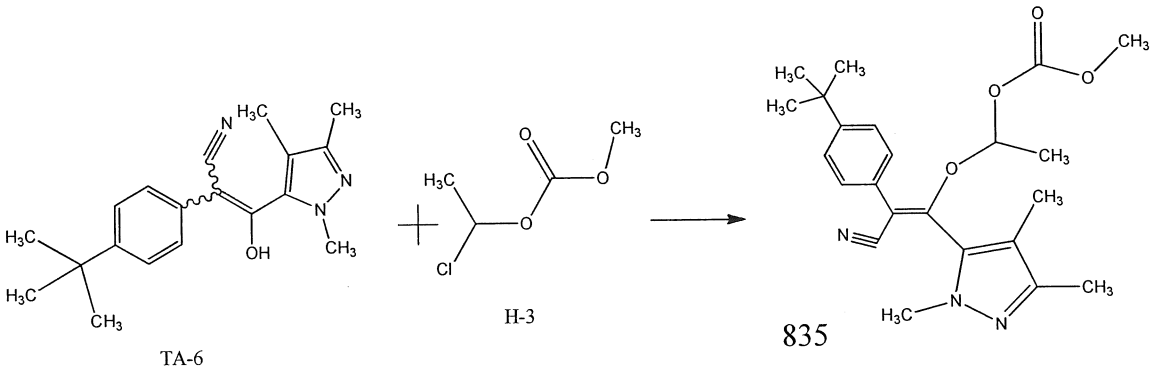
0,31g (0,001 mol) hợp chất trung gian TA-1 và 0,16g (0,0011 mol) hợp chất trung gian H-1, 0,15g natri cacbonat và một lượng xúc tác của natri iođua được bổ sung vào 25ml axetonitril, gia nhiệt để hồi lưu trong 6 giờ, khi phản ứng hoàn thành bằng phương pháp sắc ký lớp mỏng, hệ thống được làm mát xuống nhiệt độ trong phòng để lọc chất rắn và làm bay hơi axetonitril. Phần còn lại được tinh chế bằng phương pháp sắc ký cột để thu được 0,33g sản phẩm với hiệu suất 78%.

(10) Điều chế hợp chất đích 739



0,34g (0,001 mol) hợp chất trung gian TA-2 và 0,13g (0,0011 mol) hợp chất trung gian H-2, 0,15g kali cacbonat và một lượng xúc tác của natri iođua được bổ sung vào 25 N, N-Dimetylformamit, gia nhiệt đến 70℃ để phản ứng trong 5 giờ, khi phản ứng hoàn thành bằng phương pháp sắc ký mỏng, hệ thống được làm mát xuống nhiệt độ trong phòng để lọc chất rắn và làm bay hơi dung môi dưới áp suất giảm. Phần còn lại được tinh chế bằng phương pháp sắc ký cột để thu được 0,28g sản phẩm với hiệu suất 65%.

(11) Điều chế hợp chất đích 835



0,31g (0,001 mol) hợp chất trung gian TA-6 và 0,13g hợp chất trung gian H-3, 0,15 kali cacbonat và một lượng xúc tác của natri iođua được bổ sung vào 25ml THF, gia nhiệt để hồi lưu trong 10 tiếng, khi phản ứng hoàn thành bằng phương pháp sắc ký mỏng, hệ thống được làm mát xuống nhiệt độ trong phòng để lọc chất rắn và làm bay hơi axetonitril. Phần còn lại được tinh chế bằng phương pháp sắc ký cột để thu được 0,25 g sản phẩm với hiệu suất 61%.

II. Điều chế các chất phản ứng

Chất phản ứng được điều chế theo tỷ lệ khối lượng trong các phương án sau:

Ví dụ 3. Huyền phù 30%

Hợp chất 251	30%
Etylen glycol	10%
Nonylphenol polyglycol ete	6%

Natri lignosulfonat	10%
Carboxymetyl xenluloza	1%
Dung dịch formaldehyt 37%	0,7%
Nhũ tương dầu silicon75%	0,8%
Nước được bổ sung đến	100%

Hợp chất 251 được trộn hoàn toàn với các thành phần khác, để thu được huyền phù 30%. Huyền phù 30% có thể được pha loãng với nước để thu được chất pha loãng ở bất kỳ nồng độ nào.

Ví dụ 4. Nhũ tương 30%

Hợp chất 548	30%
Axit phosphorơ	10%
Triglyxerit etoxy hóa	15%
Toluen được bổ sung đến	100%

Axit phosphorơ được hòa tan trong toluen, sau đó hợp chất 548 và triglyxerit etoxy hóa được bổ sung vào để thu được dung dịch trong suốt, tức là nhũ tương 30%.

Ví dụ 5. Bột có thể thấm ướt 60%

Hợp chất 91	60%
Natri dodexylnaphtalen sulfonat	2%
Natri lignosulfonat	9%
Diatomit được bổ sung đến	100%

Hợp chất 91, natri dodexylnaphtalen sulfonat, natri lignosulfonat và diatomit được trộn cùng nhau, và được nghiền thành bột cho đến khi các hạt đạt tiêu chuẩn, để thu được bột có thể thấm ướt 60%.

III. Thử nghiệm đánh giá hoạt tính sinh học

Ví dụ 6. Đánh giá hoạt tính của trứng nhện đỏ (tetranychus cinnabarinus)

Theo độ hòa tan của hợp chất thử nghiệm, thuốc chưa chế biến được hòa tan trong N, N-dimetylformamit, và sau đó được điều chế thành dung dịch thử nghiệm có nồng độ mong muốn bằng dung dịch nước Tween 80 1‰. Hàm lượng N, N-dimetylformamit trong dung dịch không vượt quá 10%.

Phương pháp phun: Lá đậu răng ngựa kèm theo cuống lá được cắt và bỏ vào trong chai với nước. Đưa vào đó số lượng ve bét cái nhất định, 24 giờ sau, ve bét trưởng thành được lấy ra, và phương pháp xử lý phun được thực hiện trong 24 giờ. Thử nghiệm được lặp lại ba lần, và đối chứng trống được thiết lập, và được đặt vào phòng quan sát

(26 ± 2 °C, độ ẩm nằm trong khoảng 70% đến 80%, 16h giờ chiếu sáng mỗi ngày) để nuôi dưỡng. Khi nhóm đối chứng trống được ấp, kết quả được khảo sát. Những con không nở được được cho là đã chết trong thử nghiệm.

Theo phương pháp trên đây, thử nghiệm hoạt tính cho thấy rằng, hoạt tính diệt trứng tương đương hoặc cao hơn 90% tại nồng độ 5mg/L với các hợp chất 1-17, 26-72, 76-92, 101-117, 151-167, 176-192, 226-242, 251-267, 301-317, 326-342, 376-392, 401-417, 451-454, 456, 457, 458, 460, 467, 468, 471, 474, 476, 477, 480, 481, 483-486, 488, 489, 490, 492, 494, 499, 500, 503, 506, 508, 509, 512, 513, 574-548, 549, 550, 552, 553, 554, 556, 558, 563, 564, 567, 570, 572, 573, 576, 577, 579-582, 584, 585, 586, 588, 590, 595, 596, 599, 606, 602, 604, 606, 608, 609, 643-646, 648, 649, 650, 652, 654, 659, 660, 663, 666, 668, 669, 972, 673, 675-678, 680, 681, 682, 684, 691, 692, 695, 698, 700, 701, 704, 705, 739-742, 744, 745, 746, 748, 750, 755, 757, 759, 762, 764, 765, 768, 769, 771-774, 776, 777, 778, 780, 782, 787, 788, 791, 794, 796, 797, 801, 835-838, 840, 841, 842, 844, 846, 851, 853, 855, 858, 860, 862, 864, 865, 867-870, 872, 873, 874, 876, 878, 883, 884, 887, 890, 892, 894, 896, 897, 931-934, 936, 937, 938, 940, 942, 947, 948, 951, 956, 958, 961, 960, 963-966, 968, 969, 970, 972, 974, 978, 980, 986, 988, 983, 989, 992, 993, 1158, 1172, 1293, 1318, 1323, 1468; trong khi hoạt tính diệt trứng của các hợp chất 8-1, 8-2, 8-3, 8-4 được bộc lộ trong đơn yêu cầu cấp patent PCT số WO 01/68589 thấp hơn 30% tại nồng độ 5mg/L.

Theo phương pháp trên đây, thử nghiệm hoạt tính cho thấy rằng, hoạt tính diệt trứng tương đương hoặc cao hơn 90% tại nồng độ 2mg/L với các hợp chất 230, 234, 226, 227, 251, 252, 254, 255, 259, 301, 302, 305, 309, 326, 327, 401, 402, 409, 405, 547, 548, 549, 550, 553, 570, 579, 580, 585, 602, 771, 772, 780, 931, 932, 933, 940, 937, 963, 964 và 969; trong khi hoạt tính diệt trứng của các hợp chất 8-1, 8-2, 8-3, 8-4 được bộc lộ trong đơn yêu cầu cấp patent PCT số WO 01/68589 là 0% tại nồng độ 2mg/L.

Theo phương pháp trên, việc xác định song song hoạt tính diệt trứng được thực hiện đối với các hợp chất 226, 227, 230, 234, 251, 252, 254, 255, 301, 302, 547, 585, 771, 772, 931, 932 và 937 trong sáng chế này và các hợp chất 8-1, 8-2, 8-3, 8-4 được bộc lộ trong đơn yêu cầu cấp patent PCT số WO 01/68589. Kết quả được thể hiện trong bảng 4 dưới đây:

Bảng 4

Hợp chất	Nồng độ (mg/L)	Tỉ lệ chết (%)
226	2	100
227	2	97
230	2	100

234	2	100
241	2	100
251	2	100
252	2	100
254	2	99
255	2	96
301	2	95
302	2	97
547	2	100
585	2	100
675	2	100
771	2	100
772	2	100
931	2	98
932	2	97
937	2	100
8-1	2	0
8-2	2	0
8-3	2	0
8-4	2	0

Ví dụ 7- Thử nghiệm đánh giá hoạt tính đối với nhện đỏ trưởng thành (tetranychus cinnabarinus)

Theo độ hòa tan của hợp chất thử nghiệm, thuốc chưa chế biến được hòa tan trong N, N-dimetylformamit, và sau đó điều chế thành dung dịch thử nghiệm có nồng độ mong muốn bằng dung dịch nước Tween 80 1‰. Hàm lượng N, N-dimetylformamit

trong dung dịch không vượt quá 10%.

Lấy hai cây đậu euphylla giống, sau khi đã cấy nhện đỏ trưởng thành (tetranychus cinnabarinus) và khảo sát số lượng cơ bản, tất cả các cây được phun bằng bình phun cầm tay. Thử nghiệm được lặp lại ba lần cho mỗi lần xử lý, sau xử lý, đưa vào phòng quan sát tiêu chuẩn sau xử lý để khảo sát số lượng ve bét còn sống trong 48 giờ và tính toán tỉ lệ chết.

Theo phương pháp trên đây, thử nghiệm hoạt tính cho thấy rằng, hoạt tính diệt ve bét trưởng thành tương đương hoặc cao hơn 90% tại nồng độ 2,5mg/L đối với các hợp chất 1-17, 26-72, 76-92, 101-117, 151-167, 176-192, 226-242, 251-267, 301-317, 326-342, 376-392, 401-417, 451-454, 456, 457, 458, 460, 467, 468, 471, 474, 476, 477, 480, 481, 483-486, 488, 489, 490, 492, 494, 499, 500, 503, 506, 508, 509, 512, 513, 574-548, 549, 550, 552, 553, 554, 556, 558, 563, 564, 567, 570, 572, 573, 576, 577, 579-582, 584, 585, 586, 588, 590, 595, 596, 599, 606, 602, 604, 606, 608, 609, 643-646, 648, 649, 650, 652, 654, 659, 660, 663, 666, 668, 669, 972, 673, 675-678, 680, 681, 682, 684, 691, 692, 695, 698, 700, 701, 704, 705, 739-742, 744, 745, 746, 748, 750, 755, 757, 759, 762, 764, 765, 768, 769, 771-774, 776, 777, 778, 780, 782, 787, 788, 791, 794, 796, 797, 801, 835-838, 840, 841, 842, 844, 846, 851, 853, 855, 858, 860, 862, 864, 865, 867-870, 872, 873, 874, 876, 878, 883, 884, 887, 890, 892, 894, 896, 897, 931-934, 936, 937, 938, 940, 942, 947, 948, 951, 956, 958, 961, 960, 963-966, 968, 969, 970, 972, 974, 978, 980, 986, 988, 983, 989, 992, 993, 1158, 1172, 1293, 1318, 1323, 1468; trong khi hoạt tính diệt ve bét trưởng thành của các hợp chất 8-1, 8-2, 8-3, 8-4 được bộc lộ trong đơn yêu cầu cấp patent PCT số WO 01/68589 thấp hơn 80% tại nồng độ 2,5mg/L.

Theo phương pháp trên đây, thử nghiệm hoạt tính cho thấy rằng, hoạt tính diệt ve bét trưởng thành tương đương hoặc cao hơn 90% tại nồng độ 1,25mg/L đối với các hợp chất 230, 234, 226, 227, 251, 252, 254, 255, 259, 301, 302, 305, 309, 326, 327, 401, 402, 409, 405, 547, 548, 549, 550, 553, 570, 579, 580, 585, 602, 771, 772, 780, 931, 932, 933, 940, 937, 963, 964 và 969; trong khi hoạt tính diệt ve bét trưởng thành của các hợp chất 8-1, 8-2, 8-3, 8-4 được bộc lộ trong đơn yêu cầu cấp patent PCT số WO 01/68589 thấp hơn 50% tại nồng độ 1,25mg/L.

Theo phương pháp trên đây, việc xác định song song hoạt tính diệt ve bét trưởng thành được thực hiện đối với các hợp chất 226, 227, 230, 234, 251, 252, 254, 255, 301, 302, 547, 585, 771, 772, 931, 932 và 937 của sáng chế này và các hợp chất 8-1, 8-2, 8-3, 8-4 được bộc lộ trong đơn yêu cầu cấp patent PCT số WO 01/68589. Kết quả được thể hiện trong bảng 5 dưới đây:

Bảng 5

Hợp chất	Nồng độ (mg/L)	Tỉ lệ chết (%)

226	1,25	96
227	1,25	98
230	1,25	100
234	1,25	100
241	1,25	100
251	1,25	100
252	1,25	100
254	1,25	97
255	1,25	95
301	1,25	90
302	1,25	96
547	1,25	100
585	1,25	100
771	1,25	100
772	1,25	100
931	1,25	95
932	1,25	90
937	1,25	100
8-1	1,25	45
8-2	1,25	30
8-3	1,25	45
8-4	1,25	50

Ví dụ 8- Thử nghiệm đánh giá hoạt tính đối với nhộng nhện đỏ (tetranychus cinnabarinus)

Theo độ hòa tan của hợp chất thử nghiệm, thuốc chưa chế biến được hòa tan trong N, N-dimetylformamit, và sau đó điều chế thành dung dịch thử nghiệm có nồng độ mong muốn bằng dung dịch nước Tween 80 1‰. Hàm lượng N, N-dimetylformamit trong dung dịch không vượt quá 10%.

Lá đậu răng ngựa kèm theo cuống lá được cắt và bỏ vào trong chai nhỏ với nước. Đưa vào đó một lượng nhất định ve bét cái trưởng thành có màu sáng, khỏe mạnh, 24 giờ sau, ve bét trưởng thành được lấy ra, và những lá có trứng không đủ được lấy ra. Khi trứng nở và phát triển thành nhộng trần, phương pháp xử lý phun sẽ được thực hiện. Thử nghiệm được lặp lại 3 lần, và đối chứng trống được thiết lập, và được đặt trong phòng quan sát (26 ± 2 °C, độ ẩm nằm trong khoảng từ 70% đến 80%, 16 giờ chiếu sáng mỗi ngày) để nuôi dưỡng. 48 giờ sau, kết quả được khảo sát. Chạm nhẹ vào nhộng trần khi khảo sát, và nếu không có phản ứng gì, chúng được coi là đã chết.

Theo phương pháp trên đây, thử nghiệm hoạt tính cho thấy rằng, hoạt tính diệt nhộng trần tương đương hoặc cao hơn 95% tại nồng độ 2,5mg/L đối với các hợp chất 1-17, 26-72, 76-92, 101-117, 151-167, 176-192, 226-242, 251-267, 301-317, 326-342, 376-392, 401-417, 451-454, 456, 457, 458, 460, 467, 468, 471, 474, 476, 477, 480, 481, 483-486, 488, 489, 490, 492, 494, 499, 500, 503, 506, 508, 509, 512, 513, 574-548, 549, 550, 552, 553, 554, 556, 558, 563, 564, 567, 570, 572, 573, 576, 577, 579-582, 584, 585, 586, 588, 590, 595, 596, 599, 606, 602, 604, 606, 608, 609, 643-646, 648, 649, 650, 652, 654, 659, 660, 663, 666, 668, 669, 972, 673, 675-678, 680, 681, 682, 684, 691, 692, 695, 698, 700, 701, 704, 705, 739-742, 744, 745, 746, 748, 750, 755, 757, 759, 762, 764, 765, 768, 769, 771-774, 776, 777, 778, 780, 782, 787, 788, 791, 794, 796, 797, 801, 835-838, 840, 841, 842, 844, 846, 851, 853, 855, 858, 860, 862, 864, 865, 867-870, 872, 873, 874, 876, 878, 883, 884, 887, 890, 892, 894, 896, 897, 931-934, 936, 937, 938, 940, 942, 947, 948, 951, 956, 958, 961, 960, 963-966, 968, 969, 970, 972, 974, 978, 980, 986, 988, 983, 989, 992, 993, 1158, 1172, 1293, 1318, 1323, 1468; trong khi hoạt tính diệt nhộng trần của các hợp chất 8-1, 8-2, 8-3, 8-4 được bộc lộ trong đơn yêu cầu cấp patent PCT số WO01/68589 thấp hơn 80% tại nồng độ 2,5mg/L.

Theo phương pháp trên đây, thử nghiệm hoạt tính cho thấy rằng, hoạt tính diệt nhộng trần tương đương hoặc cao hơn 90% tại nồng độ 2mg/L đối với các hợp chất 230, 234, 226, 227, 251, 252, 254, 255, 259, 301, 302, 305, 309, 326, 327, 401, 402, 409, 405, 547, 548, 549, 550, 553, 570, 579, 580, 585, 602, 771, 772, 780, 931, 932, 933, 940, 937, 963, 964 và 969; trong khi hoạt tính diệt nhộng trần của các hợp chất 8-1, 8-2, 8-3, 8-4 được bộc lộ trong đơn yêu cầu cấp patent PCT số WO 01/68589. Kết quả được thể hiện trong bảng 6 dưới đây:

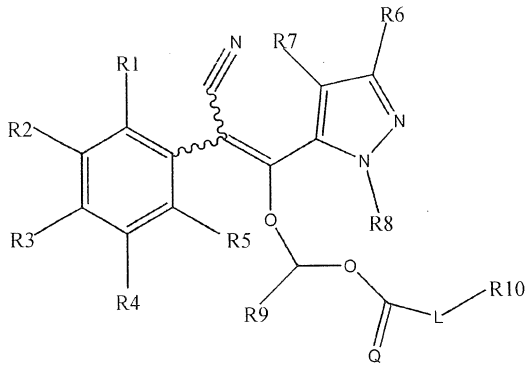
Bảng 6

Hợp chất	Nồng độ (mg/L)	Tỉ lệ chết (%)

226	0,5	90
227	0,5	94
230	0,5	98
234	0,5	96
241	0,5	100
251	0,5	100
252	0,5	100
254	0,5	96
255	0,5	95
301	0,5	90
302	0,5	96
547	0,5	93
585	0,5	96
675	0,5	675
771	0,5	95
772	0,5	90
931	0,5	95
932	0,5	90
937	0,5	93
8-1	0,5	25
8-2	0,5	0
8-3	0,5	30
8-4	0,5	15

YÊU CẦU BẢO HỘ

1. Dẫn xuất pyrazol có công thức stru-1 như sau:



stru-1

trong đó:

R1, R2, R4, R5 là hydro;

R3 là t-butyl;

R6 là metyl;

R7 được chọn từ hydro, clo và metyl;

R8 là etyl;

R9 được chọn từ hydro và metyl;

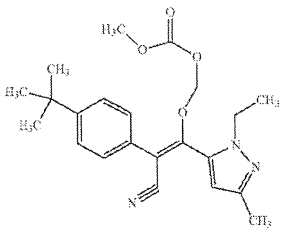
L là oxy;

Q là oxy;

R10 được chọn từ C_1-C_6 alkyl, C_3-C_6 xycloalkyl và C_2-C_6 alkenyl.

2. Dẫn xuất pyrazol theo điểm 1, trong đó dẫn xuất pyrazol được chọn từ ít nhất một trong các hợp chất được thể hiện bằng công thức cấu trúc dưới đây:

547



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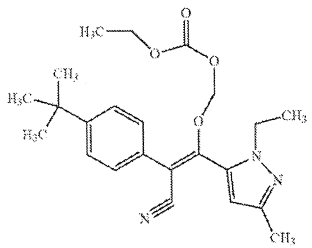

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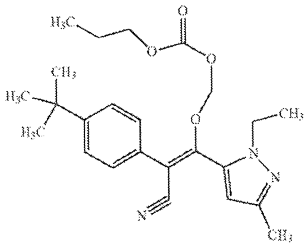

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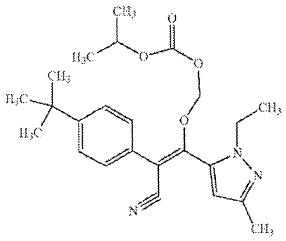

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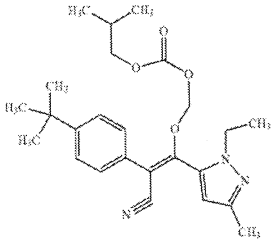

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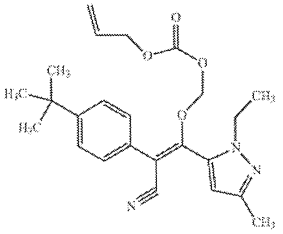

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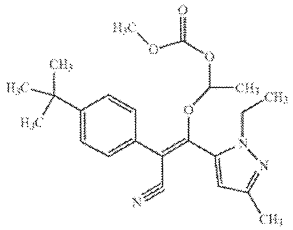

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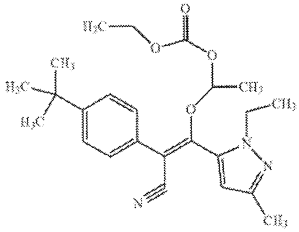

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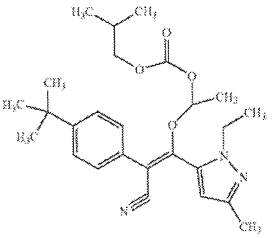

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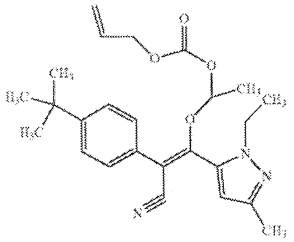

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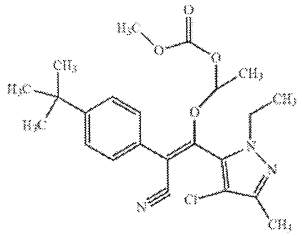

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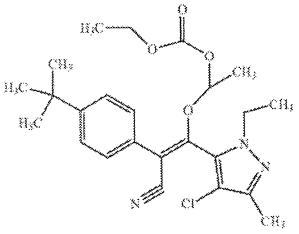

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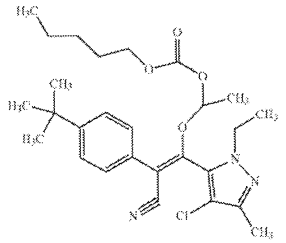

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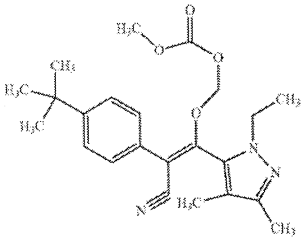

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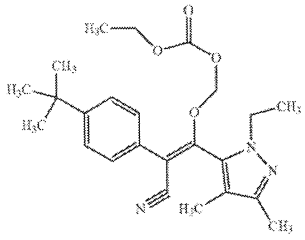

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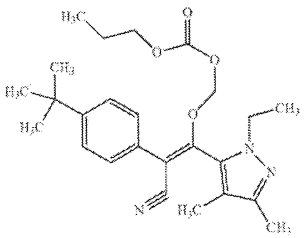

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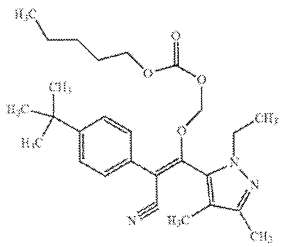
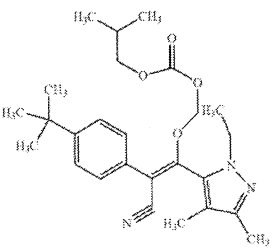
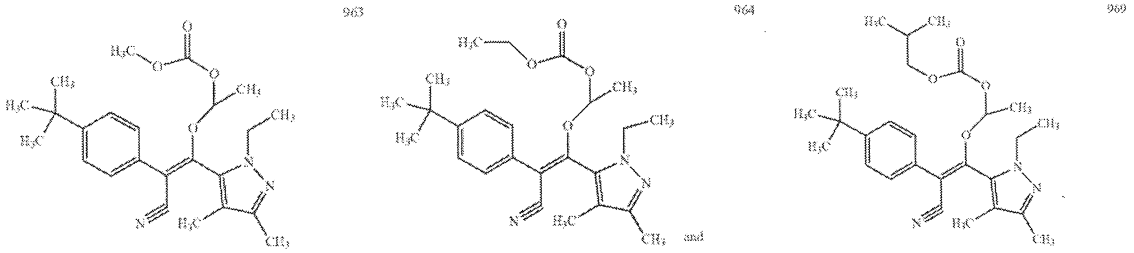


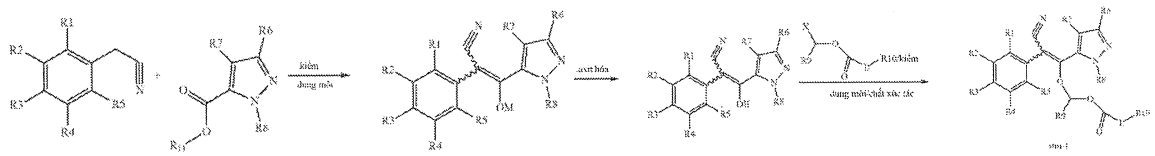
937





3. Dẫn xuất pyrazol theo điểm 1, trong đó dẫn xuất pyrazol có công thức stru-1 gồm có ít nhất một dẫn xuất được chọn từ nhóm bao gồm dẫn xuất pyrazol loại E và dẫn xuất pyrazol loại Z.

4. Phương pháp điều chế dẫn xuất pyrazol có công thức stru-1 theo điểm 1, bao gồm:



trong đó X được chọn từ halogen, R11 là etyl, M là ion kim loại từ bazơ, bazơ này ít nhất là một bazơ được chọn từ natri cacbonat, kali cacbonat, natri bicarbonat, kali bicarbonat, natri oxit, kali hydroxit, natri hydrua, natri alkoxit và kali alkoxit.

5. Phương pháp điều chế theo điểm 4, trong đó:

axit ít nhất là một axit được chọn từ axit vô cơ và axit hữu cơ, dung môi ít nhất là một dung môi được chọn độc lập từ dung môi proton và dung môi không proton, và chất xúc tác ít nhất là một chất xúc tác được chọn từ kali iođua, natri iođua, và chất xúc tác chuyển pha.

6. Phương pháp điều chế theo điểm 5, trong đó:

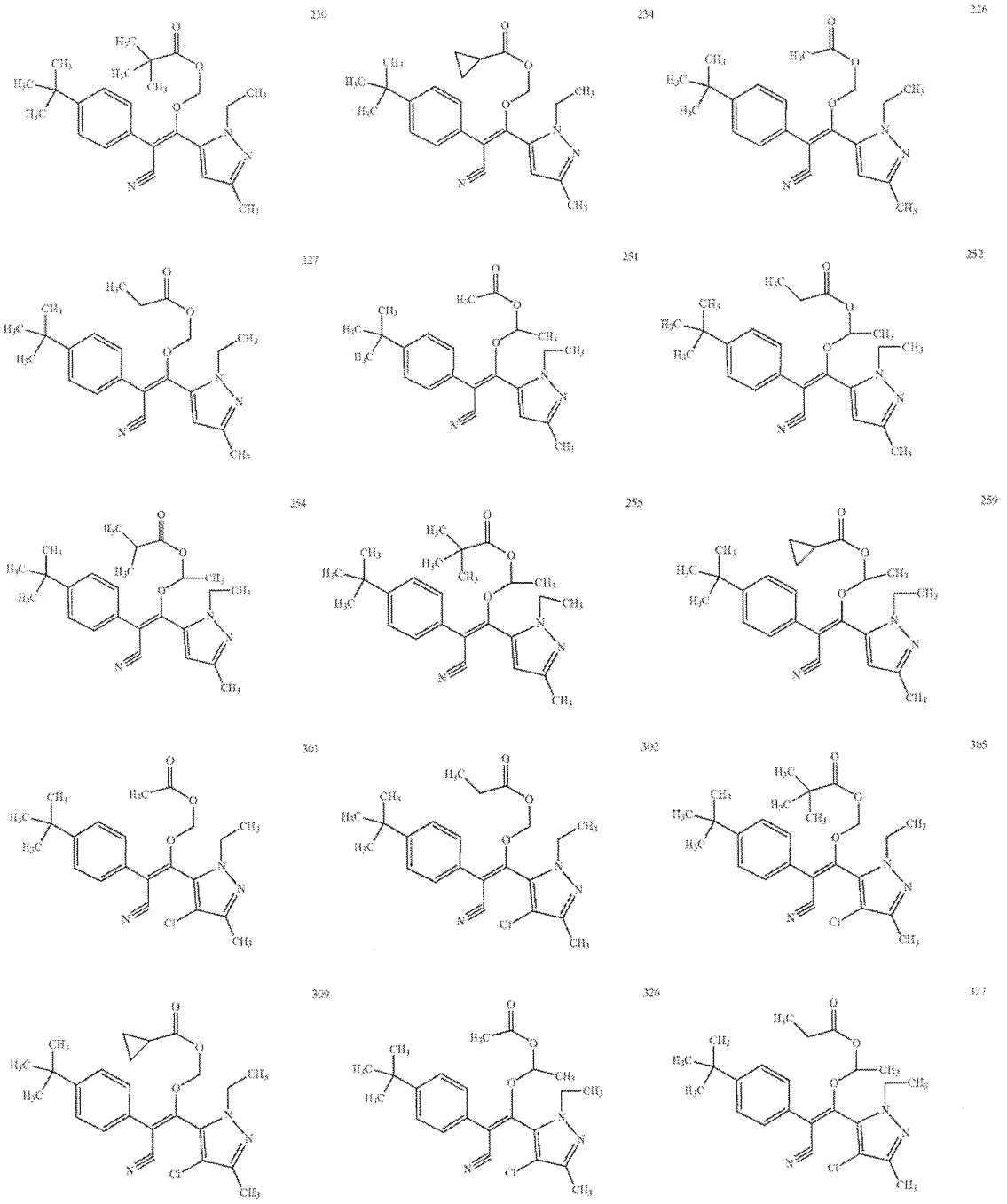
X được chọn từ clo, brom hoặc iot, axit ít nhất được chọn từ axit clohydric, axit sulfuric và axit axetic, và dung môi ít nhất được chọn độc lập từ axeton, metyl etyl keton, tetrahydrofuran, axetonitril, N, N-dimetylformamit, toluen và clobenzen.

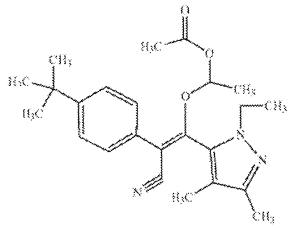
7. Chế phẩm trừ sâu và diệt ve bét dùng trong nông nghiệp, trong đó thuốc trừ sâu và thuốc diệt ve bét chứa hợp chất có công thức stru-1 theo điểm 1 với tỉ lệ khối lượng nằm trong khoảng từ 0,1 đến 99%.

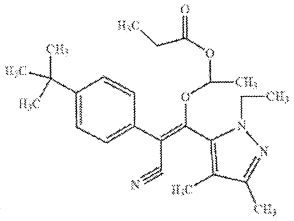
8. Dẫn xuất pyrazol theo điểm 2, bao gồm ít nhất một dẫn xuất được chọn từ nhóm gồm một dẫn xuất pyrazol loại E và một dẫn xuất pyrazol loại Z.

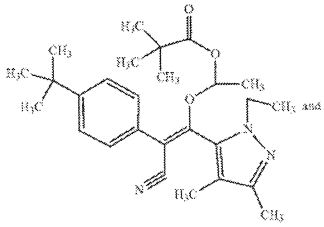
9. Chế phẩm trừ sâu và diệt ve bét dùng trong nông nghiệp, trong đó thuốc trừ sâu và thuốc diệt ve bét chứa hợp chất có công thức stru-1 theo điểm 2 với tỉ lệ khối lượng nằm trong khoảng từ 0,1 đến 99%.

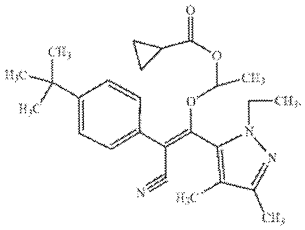
10. Dẫn xuất pyrazol, trong đó dẫn xuất pyrazol được chọn từ các hợp chất có công thức cấu trúc sau:



401 

402 

403 

409 

11. Chế phẩm trừ sâu và diệt ve bét dùng trong nông nghiệp, trong đó thuốc trừ sâu và thuốc diệt ve bét chứa dẫn xuất pyrazol theo điểm 10 với tỉ lệ khối lượng nằm trong khoảng từ 0,1 đến 99%.

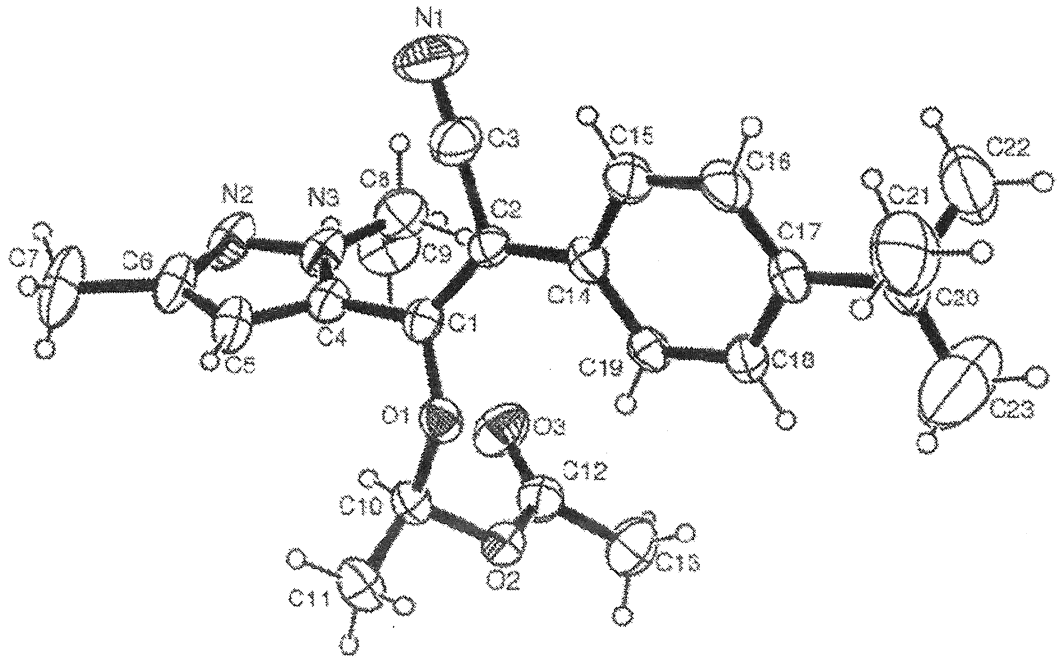

N1
C3
C15
C16
C22
C8
N2
N3
C2
C21
C7
C6
C9
C17
C14
C20
C4
C1
C5
C19
C18
C23
O1
O3
C12
C10
O2
C13
C11

FIG.1