

Señor Director

DIRECCION DE NUEVAS CREACIONES

Superintendencia de Industria y Comercio

E. S. D.



No. 11-149822-00005-0000

Fecha: 2013-07-05 16:19:55
Tra. 11 PATENTEIYII
Act. 523 RESPUESTADep. 2020 DIR.NUEVASCR
Eve: 378 FASENACIONALI
Folios: 113Trámite : 011
Evento : 378
Actuación : 444

Referencia : Expediente No. 11.149.822
Asunto : Solicitud de patente para: **COMPOSICIONES PLAGUICIDAS**
Solicitante : **DOW AGROSCIENCES LLC**
Fecha de Solicitud : 4 de noviembre de 2011

1. Yo, Luz Clemencia DE PÁEZ, en mi condición de apoderada de la sociedad solicitante de la patente de la referencia, me refiero al oficio No. **6060** notificado por fijación en lista el 9 de abril de 2013

2. Mediante oficio No. **6060** se puso en conocimiento del solicitante el informe que contiene las observaciones hechas por su Despacho sobre la presente solicitud de patente. Las observaciones realizadas en el oficio se refieren a la excepción a la patentabilidad de la reivindicación 15 por hacer referencia a un uso del compuesto reivindicado, claridad del pliego reivindicatorio, haciendo especial énfasis en la reivindicación 1 y las reivindicaciones 16-20 y a la novedad del pliego en vista del documento **D1**: WO2008090382.

3. Respuesta a las objeciones

De este modo y con el objeto de atender las objeciones arriba mencionadas, se desea presentar las siguientes modificaciones, aclaraciones y argumentos:

3.1 Modificación de una solicitud en trámite

De acuerdo con el artículo 34 de la Decisión 486 de la Comisión de la Comunidad

"EXCELENCIA LEGAL EN UN MUNDO SIN FRONTERAS"

BOGOTÁ - Edificio Siski - Carrera 4 No. 72 - 35 - Tel. (57-1) 347 3611 - Fax (57-1) 211 8650 - Fax in U.S.A: (1-305) 675 7743 - COLOMBIA
MEDELLÍN - San Fernando Plaza - Carrera 43 A No. 1 - 50 - Torre Protección Oficina 652 - Tel: (57-4) 604 4794 Ext. 6729 / 6731 - Fax: (57-4) 604 4731- COLOMBIA

www.cavelier.com
cavelier@cavelier.com

Andina, donde se establece que la modificación de una solicitud es posible en cualquier momento del trámite mientras no implique una ampliación de la solicitud inicial, me permito presentar un nuevo pliego reivindicatorio conformado por 9 reivindicaciones.

Las modificaciones realizadas al pliego reivindicatorio original fueron las siguientes:

- Se eliminaron las reivindicaciones 9-20.
- Se adicionó la nueva reivindicación 9, la cual define con exactitud un grupo de compuestos que pueden conformar la molécula reivindicada. Dicha definición está completamente soportada en la descripción de la presente solicitud (ver tabla 1, págs.180-265).
- En las reivindicaciones 1 y 2, se limitó el alcance de los radicales R1-R9, especialmente en los radicales R1-R4. Esta modificación se encuentra debidamente soportada en la descripción de esta solicitud.
- No se eliminó el término “opcionalmente” en vista de que al tratarse de una fórmula Markush, la cual concentra múltiples opciones moleculares que se caracterizan por tener una misma actividad química. Teniendo en cuenta lo anterior, la forma más clara de describir en sentido general esa múltiple variedad de compuestos derivados de una misma fórmula, es a través de la palabra “opcionalmente”, la cual no transmite ambigüedad y para una persona normalmente versada en la materia, es absolutamente entendible.
- Con respecto a las expresiones “*arilo C₆₋₂₀*”, “*heterociclo C₃₋₁₀*”, “*halocicloalquilo C₃₋₁₀*”, “*halocicloalqueno C₃₋₁₀*”, “*heterociclilo C₁₋₂₀ sustituido o no sustituido*”, no fueron reemplazados, ya que se considera que son términos de absoluto conocimiento para un experto en la materia.

A partir de las anteriores modificaciones, se ven por superadas las objeciones de claridad del capítulo reivindicatorio de la presente solicitud.

3.2 Observaciones con respecto a la falta de Novedad

De acuerdo al artículo 16 de la Dec. 486, se determina:

Artículo 16: Una invención se considerará nueva cuando no esté comprendida en el estado de la técnica.

“El estado de la técnica comprenderá todo lo que haya sido accesible al público por una descripción escrita u oral, utilización, comercialización o cualquier otro medio antes de la fecha de presentación de la solicitud de patente, o en su caso, de la prioridad reconocida”.

Una invención puede ser objetada por novedad cuando sus características esenciales son exactamente iguales a las de un antecedente que se encuentre en el estado de la técnica conocido al momento de presentar la solicitud. Por lo tanto **en caso que llegue a existir al menos una diferencia en dicha comparación**, se afirma que la invención **SI** cumple con el requisito de novedad.

La acción oficial, refiere a que la composición plaguicida reivindicada se ve afectada por novedad en vista de las enseñanzas del documento D1. Teniendo en cuenta las modificaciones realizadas al pliego reivindicatorio y el artículo anteriormente citado, se expone a continuación la diferencia que separa estos dos documentos y que por ende, hace novedosa la presente invención.

Haciendo una comparación entre ambas moléculas, se tiene que la principal diferencia se halla en el radical R4 de la invención, el cual corresponde al radical R1 de la molécula estructural de D1. La siguiente tabla describe con exactitud la definición de cada uno de los radicales mencionados.

Características técnicas esenciales	D1
Con base en la fórmula 1:	Con base en la fórmula:

R4, puede ser H, F, Cl, Br, I, CN, alquilo C₁-C₆ sustituido o no sustituido, alquenilo C₂-C₆ no sustituido, COOR9 o SR9. Donde R9 es es H, CN, [...] cicloalquilo C₃-C₁₀ sustituido o no sustituido, cicloalquenilo C₃-C₁₀ sustituido o no sustituido, arilo C₆-C₂₀ sustituido o no sustituido, heterociclilo C₁-C₂₀ sustituido o no sustituido, S(O)_n alquilo C₁-C₆, N(alquilo C₁-C₆)₂, donde cada R9 mencionado, que está substituído, posee uno o más sustituyentes seleccionados de F, Cl, Br, I, CN, NO₂, alquilo C₁-C₆, alquenilo C₂-C₆, haloalquilo C₁-C₆, haloalquenilo C₂-C₆, haloalquiloxi C₁-C₆, haloalqueniloxi C₂-C₆, cicloalquilo C₃-C₁₀, cicloalquenilo C₃-C₁₀, halocicloalquilo C₃-C₁₀, halocicloalquenilo C₃-C₁₀, O-alquilo C₁-C₆, O-haloalquilo C₁-C₆, S(O)_nalquilo C₁-C₆, S(O)_nO alquilo C₁-C₆, arilo C₆-C₂₀, o heterociclilo C₁-C₂₀;	R1 es un carbociclil o um heterociclil
--	---

La diferencia entre estos radicales radica en que el grupo cíclico de R1, ya sea un carbociclo o un heterociclo, está directamente conectado al heterociclo que contiene nitrógeno y azufre (siendo éste el núcleo de la molécula), mientras que en el caso de R4, centrándose en el sustituyente **COOR9 o SR9**, donde **R9** es el elemento cíclico, se aprecia que éste se encuentra enlazado a un grupo éster o un átomo de azufre que antecede dicho heterociclo. Esta diferencia marca la distinción entre ambas moléculas, ya que consecuentemente conlleva a una actividad química diferente y por tanto, demuestra la novedad de los compuestos plaguicidas de ésta solicitud, nuevamente basándose en lo establecido por el artículo 16 de la Decisión 486, como ya se mencionó anteriormente.

3.3 Concesión de Solicitudes equivalentes

Si bien entendemos y aceptamos que cada país es autónomo en la concesión o negación de los privilegios de patente, queremos resaltar el hecho que el análisis de los requisitos para el otorgamiento de esos derechos es prácticamente universal. La presente invención fue concedida por la Oficina de Estados Unidos: US8350044 (B2)

3.5 Conclusiones

A partir de las modificaciones realizadas se mejoró la claridad y concisión del actual pliego reivindicatorio, superando las objeciones relativas a dichos aspectos. A partir de un análisis comparativo, uno a uno, se halló una diferencia estructural entre las moléculas de la invención y la de la anterioridad, lo cual y con base en lo estipulado por el artículo 16, Decisión 486, demuestra la novedad de la presente solicitud.

De esta manera, se le solicita al presente Despacho, evaluar los conceptos y argumentos que aquí se exponen y de esta manera concederle la patentabilidad a ésta solicitud.

4. Puesto que se ha dado respuesta a todas las objeciones formuladas por el Examinador, se solicita atentamente proceder al otorgamiento de la solicitud de patente. En este sentido, respetuosamente recordamos al Examinador que la patente no podrá ser negada con base en las objeciones diferentes a las expuestas en la acción oficial No. 6060, toda vez que al no haber sido trasladadas a mi representada, dicha decisión violaría tanto el tenor literal del artículo 45 de la Decisión 486 como el derecho constitucional al debido proceso. En este evento, y con base en el inciso 2 del artículo 45, respetuosamente solicitamos al Examinador expedir una nueva acción oficial que permita a mi representada contra argumentar las mismas o modificar la solicitud con el fin de cumplir los requisitos de patentabilidad.

5. ANEXOS

1. Nuevo pliego reivindicatorio conformado por 9 reivindicaciones.
2. Formulario de modificaciones en solicitud pendiente.

Señor Director,


LUZ CLEMENCIA DE PÁEZ

C.C. 35.456.344 de Usaquén

T.P.A. No. 23.555

COLO-10975-0841-069-9
AHAVAHA\ID-245835\WPC10975
No. M-2013-245835VAHA

λ

 Industria y Comercio SUPERINTENDENCIA	Espacio reservado para el adhesivo de radicación
---	--

DIRECCIÓN DE NUEVAS CREACIONES
MODIFICACIONES Y/O CORRECCIONES

1. Identificación del Trámite

☐ Error material

☒ Modificación a una Solicitud en trámite

☒ Patente de Invención

☐ Patente de Modelo de Utilidad

☐ Registro de Diseño Industrial

☐ Esquema de Trazado de Circuitos Integrados

2. Datos del solicitante

Persona Natural

☐

Persona Jurídica

☒

DOW AGROSCIENCES LLC

Nombre o denominación / Nombre o razón social completa

Nombre representante legal

Tipo de empresa Micro ☐ Pequeña ☐ Mediana ☐ Otra ☐

Documento de identificación: ☐ C.C. ☐ C.E. ☐ NIT ☐ Otro Número _____

Nacionalidad/País de constitución	Dirección y domicilio del titular	Ciudad
Estados Unidos de América	9330 Zionsville Road, Indianápolis, Indiana 46268, Estados Unidos de América	Indianápolis
Dirección electrónica		No. Fax
clientes@cavelier.com		2 11 86 50
		Número telefónico
		3 47 36 11

☐ Autorizo expresamente a la Superintendencia de Industria y Comercio para que todas las comunicaciones sean enviadas a través de la dirección de correo electrónico

3. Datos del apoderado:

Apellidos y Nombre
De Páez Luz Clemencia

Documento de identificación
C.C. 35.456.344

Tarjeta profesional
T.P.A. 23.555

Dirección y domicilio		Ciudad
Carrera 4ª No. 72 –35		Bogotá
Dirección electrónica	No. Fax	Número telefónico
cavelier@cavelier.com	2 11 86 50	3 47 36 11

En caso de haber presentado poder general para asuntos que se adelanten ante la Delegatura de Propiedad Industrial, sírvase indicar el número de su radicación o protocolo de poder general

4. Datos del trámite

Corrección:

Expediente No 11.149.822

Aparece

Debe ser

Modificación:

☒ **Modificación al capítulo reivindicatorio.**

Presento nuevo capítulo reivindicatorio compuesto por 9 reivindicaciones con el fin de superar las objeciones hechas por Su Despacho a la presente solicitud de patente y pido respetuosamente que el examen de patentabilidad sea realizado sobre estas nuevas reivindicaciones presentadas. Respetuosamente manifiesto que a pesar de eliminar materia del pliego reivindicatorio originalmente presentado, mi representada no renuncia a la protección que pueda obtener sobre dicha materia y además se reserva el derecho de presentar una solicitud divisional que la contenga durante el trámite de la presente solicitud, beneficiándose de la fecha de prioridad inicialmente reivindicada.

☐ **Modificación al capítulo descriptivo.**

☐ **Modificación al resumen.**

☐ **Modificación a los dibujos.**

5. Anexos

☐ Poder, si fuere el caso.

☒ Documento que contiene las modificaciones o correcciones.

☐ Copia de la solicitud y sus anexos en formato magnético.

6. Firma

Nombre y apellidos

LUZ CLEMENCIA DE PAEZ

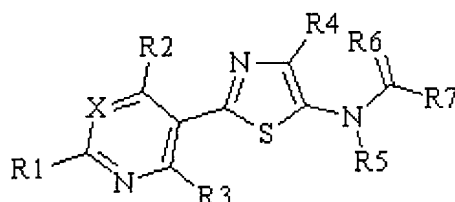
C.C. 35.456.344 DE Usaquéen

Firma

Tarjeta Profesional 23.555

REIVINDICACIONES MODIFICADAS

1. Una molécula que posee la siguiente fórmula ("**Formula I**"):



Fórmula I

donde:

- (a) X es N o CR₈;
- (b) R₁ es H, F, Cl, Br, I, o un alcoxi C₁-C₆, no sustituido
- (c) R₂ es H, F, Cl, Br, o I;
- (d) R₃ es H, F, Cl, Br, o I;
- (e) R₄ es H, F, Cl, Br, I, CN, alquilo C₁-C₆ sustituido o no sustituido, alqueno C₂-C₆ no sustituido, C(=X₁)R₉ o SR₉,
donde cada R₄, que es sustituido, posee uno o más sustituyentes seleccionados de F, Cl, Br o I;
- (f) R₅ es H, alquilo C₁-C₆ sustituido o no sustituido, alqueno C₂-C₆ sustituido o no sustituido, cicloalquilo C₃-C₁₀ sustituido o no sustituido, C(=X₁)R₉, C(=X₁)OR₉, R₉S(O)_nR₉, alquilo C₁-C₆ arilo C₆-C₂₀ (en donde el alquilo o el arilo pueden estar independientemente sustituidos o no sustituidos), R₉X₂C(=X₁)R₉, R₉X₂R₉, C(=O)(alquilo C₁-C₆)S(O)_n(alquilo C₁-C₆), (alquilo C₁-C₆)OC(=O)(arilo C₆-C₂₀), (alquilo C₁-C₆)OC(=O)(alquilo C₁-C₆), alquilo C₁-C₆-(ciclohaloalquilo C₃-C₁₀) o (alqueno C₁-C₆)C(=O)O(alquilo C₁-C₆);

en donde R5, que está sustituido, tiene uno o más sustituyentes seleccionados de F, Cl, Br, I, alquilo C₁-C₆, haloalquilo C₁-C₆, haloalquilo C₁-C₆, cicloalquilo C₃-C₁₀, halocicloalquilo C₃-C₁₀ u OR9:

opcionalmente R5 y R7 se pueden conectar en un arreglo cíclico, en donde opcionalmente ese arreglo puede tener uno o más heteroátomos seleccionados de O, S, o, N, en la estructura cíclica que conecta R5 y R7;

(g) R6 es O, S o NR9;

(h) R7 es alquilo C₁-C₆ sustituido o no sustituido, alqueno C₂-C₆ sustituido o no sustituido, alcoxi C₁-C₆ sustituido o no sustituido, cicloalquilo C₃-C₁₀ sustituido o no sustituido, arilo C₆-C₂₀ sustituido o no sustituido, heterociclilo C₁-C₂₀ sustituido o no sustituido, OR9, OR9S(O)_nR9, N(R9)₂, N(R9)(R9S(O)_nR9), SR9, R9S(O)_nR9, alquilo C₁-C₆ OC(=O) alquilo C₁-C₆, alquilo OC₁-C₆ heterociclilo C₁-C₂₀, alquilo C₁-C₆ heterociclilo C₁-C₂₀, alquilo C₁-C₆ S(=N-CN)(alquilo C₁-C₆), alquilo C₁-C₆ S(O)(=N-CN)(alquilo C₁-C₆), alquilo C₁-C₆ S(O)_n(alquilo C₁-C₆ heterociclilo C₁-C₂₀), alquilo C₁-C₆ S(O)(=N-CN)(alquilo C₁-C₆ heterociclilo C₁-C₂₀), alquilo C₁-C₆ NH(C(=O)O alquilo C₁-C₆), alquilo C₁-C₆(arilo C₆-C₂₀)NH(C(=O)O alquilo C₁-C₆), alquilo C₁-C₆ (S-alquilo C₁-C₆)NH(C(=O)O alquilo C₁-C₆), alquilo C₁-C₆ (S-alquilo C₁-C₆-arilo C₆-C₂₀)NH(C(=O)O alquilo C₁-C₆), alquilo C₁-C₆ (NHC(=O)O alquilo C₁-C₆ arilo C₆-C₂₀)NH(C(=O)O alquilo C₁-C₆), alquilo C₁-C₆ (O alquilo C₁-C₆ arilo C₆-C₂₀)NH(C(=O)O alquilo C₁-C₆), alquilo C₁-C₆ N(alquilo C₁-C₆)(C(=O)O alquilo C₁-C₆), alquilo C₁-C₆ NH(alquilo C₁-C₆), alquilo C₁-C₆-N(alquilo C₁-C₆)(C(=O) alquilo C₁-C₆ arilo C₆-C₂₀), alquilo C₁-C₆ N(alquilo C₁-C₆)(alquilo C₁-C₆), alquilo C₁-C₆ N(alquilo C₁-C₆)(S(O)_n alquilo C₁-C₆), alquilo C₁-C₆ N(alquilo C₁-C₆)(S(O)_n alqueno C₁-C₆ arilo C₆-C₂₀), alquilo C₁-C₆ N(alquilo C₁-C₆)(C(=O) heterociclilo C₁-C₂₀), alquilo C₁-C₆ N(alquilo C₁-C₆)(C(=O)O

alquilo C₁-C₆ arilo C₆-C₂₀) o alquilo C₁-C₆(S(O)_n alquilo C₁-C₆)(C(=O)alquilo C₁-C₆ S(O)_n(alquilo C₁-C₆)),

donde cada R₇ mencionado, que es sustituido, posee uno o más sustituyentes seleccionados de F, Cl, Br, I, alquilo C₁-C₆, haloalquilo C₁-C₆, haloalquiloxi C₁-C₆, cicloalquilo C₃-C₁₀, halocicloalquilo C₃-C₁₀ u OR₉;

(i) R₈ es H, F, Cl, Br, I, CN, alquilo C₁-C₆ no sustituido, alcoxi C₁-C₆ no sustituido, C(=X₁)OR₉ o S(O)_nR₉;

(j) R₉ (cada uno de manera independiente) es H, CN, alquilo C₁-C₆ sustituido o no sustituido, alqueno C₂-C₆ sustituido o no sustituido, alcoxi C₁-C₆ sustituido o no sustituido, alquenoiloxi C₂-C₆ sustituido o no sustituido, cicloalquilo C₃-C₁₀ sustituido o no sustituido, cicloalqueno C₃-C₁₀ sustituido o no sustituido, arilo C₆-C₂₀ sustituido o no sustituido, heterociclilo C₁-C₂₀ sustituido o no sustituido, S(O)_n alquilo C₁-C₆, N(alquilo C₁-C₆)₂,

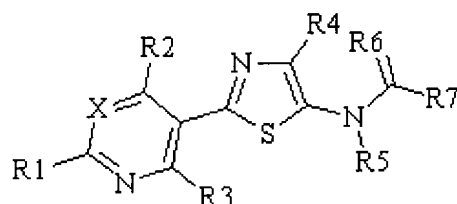
donde cada R₉ mencionado, que está sustituido, posee uno o más sustituyentes seleccionados de F, Cl, Br, I, CN, NO₂, alquilo C₁-C₆, alqueno C₂-C₆, haloalquilo C₁-C₆, haloalqueno C₂-C₆, haloalquiloxi C₁-C₆, haloalquenoiloxi C₂-C₆, cicloalquilo C₃-C₁₀, cicloalqueno C₃-C₁₀, halocicloalquilo C₃-C₁₀, halocicloalqueno C₃-C₁₀, O-alquilo C₁-C₆, O-haloalquilo C₁-C₆, S(O)_nalquilo C₁-C₆, S(O)_nO alquilo C₁-C₆, arilo C₆-C₂₀, o heterociclilo C₁-C₂₀;

(k) n es 0, 1, o 2;

(l) X₁ es O; y

(m) X₂ es O.

2. Una molécula que posee la siguiente fórmula ("Formula I"):



Fórmula I

donde:

- (a) X es N o CR₈;
- (b) R₁ es H, F, Cl, Br, I o alcoxi C₁-C₆ no sustituido;
- (c) R₂ es H, F, Cl, Br o I;
- (d) R₃ es H, F, Cl, Br o I;
- (e) R₄ es H, F, Cl, Br, I, CN, alquilo C₁-C₆ sustituido o no sustituido, alqueno C₂-C₆ no sustituido, C(=X₁)OR₉ o SR₉,

donde cada R₄ mencionado, que se encuentra sustituido, posee uno o más sustituyentes seleccionados de F, Cl, Br o I;

- (f) R₅ es H, alquilo C₁-C₆ sustituido o no sustituido, alqueno C₂-C₆ sustituido o no sustituido, cicloalquilo C₃-C₁₀ sustituido o no sustituido, C(=X₁)R₉, C(=X₁)OR₉, R₉S(O)_nR₉, alquilo C₁-C₆ arilo C₆-C₂₀ (donde el alquilo y arilo pueden estar independientemente sustituidos o no sustituidos), R₉X₂C(=X₁)R₉ o R₉X₂R₉;

donde cada R₅ mencionado, que está sustituido, posee uno o más sustituyentes seleccionados de F, Cl, Br, I, alquilo C₁-C₆, haloalquilo C₁-C₆, haloalquiloxi C₁-C₆, cicloalquilo C₃-C₁₀, halocicloalquilo C₃-C₁₀ u OR₉);

opcionalmente R₅ y R₇ que se puede conectar en un arreglo cíclico, donde opcionalmente ese arreglo puede tener uno o más heteroátomos seleccionados de O, S, o N, en la estructura cíclica que conecta R₅ y R₇;

(g) R6 es O, S o NR9;

(h) R7 es alquilo C₁-C₆ sustituido o no sustituido, alquenilo C₂-C₆ sustituido o no sustituido, alcoxi C₁-C₆ sustituido o no sustituido, cicloalquilo C₃-C₁₀ sustituido o no sustituido, arilo C₆-C₂₀ sustituido o no sustituido, OR9, OR9S(O)_nR9, N(R9)₂, N(R9)(R9S(O)_nR9), SR9 o R9S(O)_nR9, en donde cada R7 mencionado, que se encuentra sustituido, posee uno o más sustituyentes seleccionados de F, Cl, Br, I, alquilo C₁-C₆, haloalquilo C₁-C₆, haloalquiloxi C₁-C₆, cicloalquilo C₃-C₁₀, halocicloalquilo C₃-C₁₀, u OR9;

(i) R8 es H, F, Cl, Br, I, CN, NO₂, alquilo C₁-C₆ no sustituido, alcoxi C₁-C₆ no sustituido, C(=X1)OR9;

(j) R9 (cada uno de manera independiente) es H, CN, alquilo C₁-C₆ sustituido o no sustituido, alcoxi C₁-C₆ sustituido o no sustituido, alqueniloxi C₂-C₆ sustituido o no sustituido, cicloalquilo C₃-C₁₀ sustituido o no sustituido, cicloalquenilo C₃-C₁₀ sustituido o no sustituido, arilo C₆-C₂₀ sustituido o no sustituido,

donde cada R9 mencionado, que se encuentra sustituido, posee uno o más sustituyentes seleccionados de F, Cl, Br, I, CN, NO₂, alquilo C₁-C₆, alquenilo C₂-C₆, haloalquilo C₁-C₆, haloalquenilo C₂-C₆, haloalquiloxi C₁-C₆, haloalqueniloxi C₂-C₆, cicloalquilo C₃-C₁₀, cicloalquenilo C₃-C₁₀, halocicloalquilo C₃-C₁₀, halocicloalquenilo C₃-C₁₀, O-alquilo C₁-C₆, O-haloalquilo C₁-C₆, S(O)_nO alquilo C₁-C₆, arilo C₆-C₂₀;

(k) n es 0, 1, o 2;

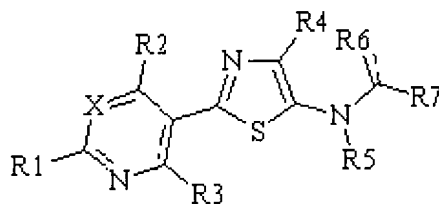
(l) X1 es O;

(m) X2 es O.

3. Una molécula de acuerdo con la reivindicación 2, donde:

- (a) X es CR₈;
- (b) R₁ es H;
- (c) R₂ es H;
- (d) R₃ es H;
- (e) R₄ es Cl o CH₃;
- (f) R₅ es H o alquilo C₁-C₆ no sustituido;
- (g) R₆ es O;
- (h) R₇ es (alquilo C₁-C₆ no sustituido)S(O)_n(alquilo C₁-C₆ no sustituido), (alquilo C₁-C₆ no sustituido)S(O)_n(alqueno C₁-C₆ no sustituido), O(alquilo C₁-C₆ no sustituido), (alquilo C₁-C₆);
- (i) R₈ es H o F; y
- (k) n es 0, 1, o 2.

4. Una molécula que posee la siguiente fórmula ("Fórmula I"):



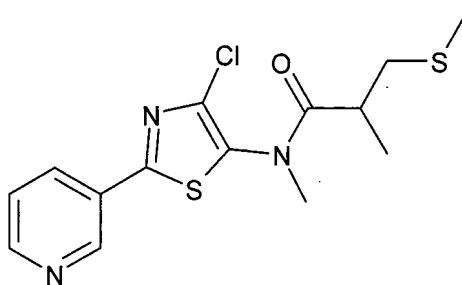
Fórmula I

donde:

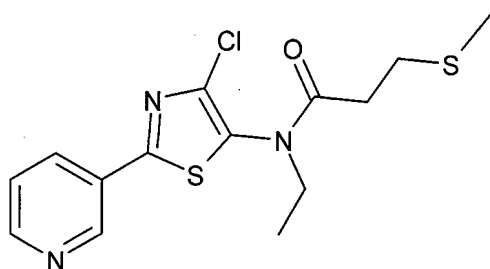
- (a) X es CR₈;
- (b) R₁ es H;
- (c) R₂ es H;
- (d) R₃ es H;
- (e) R₄ es Cl;
- (f) R₅ es un alquilo C₁-C₆ no sustituido;

- (g) R6 es O;
- (h) R7 es (alquilo C₁-C₆ no sustituido)S(O)_n(alquilo C₁-C₆ no sustituido);
- (i) R8 es H o F; y
- (k) n es 0, 1, o 2.

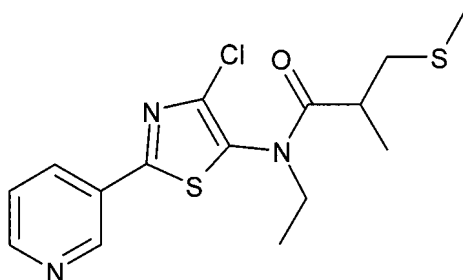
5. Una molécula de acuerdo con la reivindicación 4 que posee la siguiente estructura:



6. Una molécula de acuerdo con la reivindicación 4 que posee la siguiente estructura:



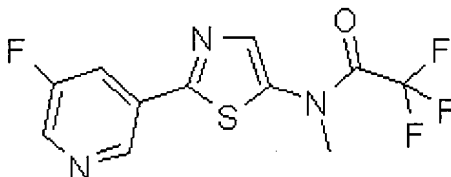
7. Una molécula de acuerdo con la reivindicación 4 que posee la siguiente estructura:



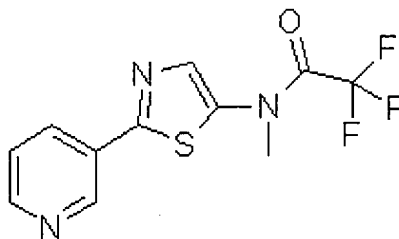
8. Una molécula de acuerdo con la reivindicación 4, en forma de una sal de adición de ácido, derivado de la sal o un solvato aceptable desde un punto de vista plaguicida.

9. Una molécula seleccionada de:

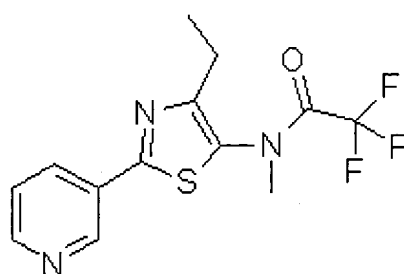
1



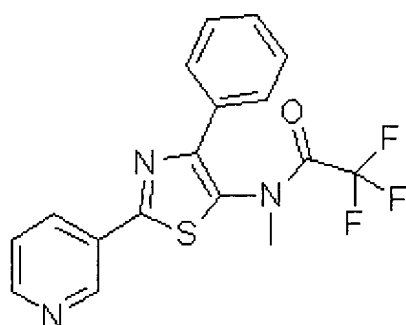
2



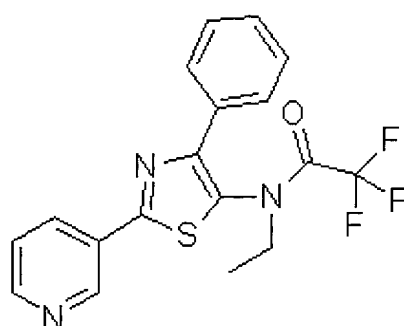
3



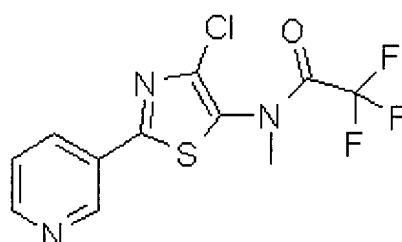
4



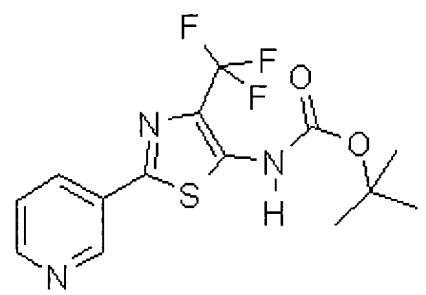
5



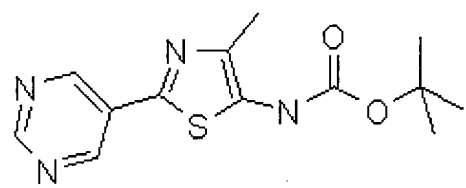
6



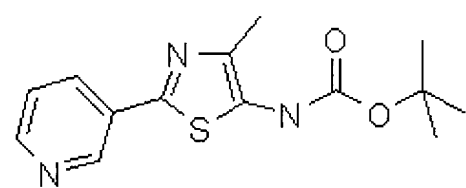
7



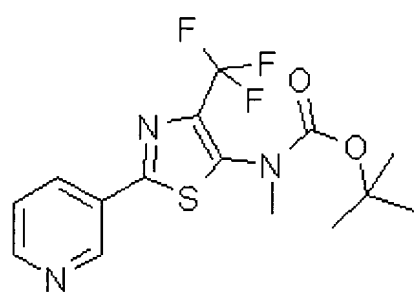
8



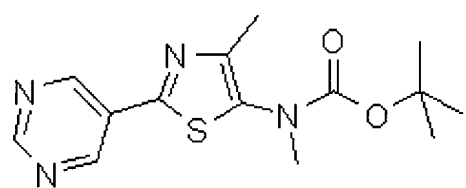
9



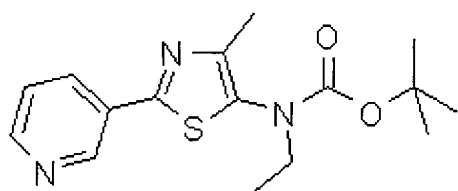
10



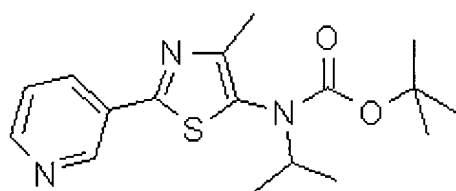
11



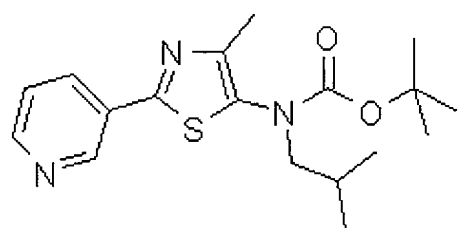
12



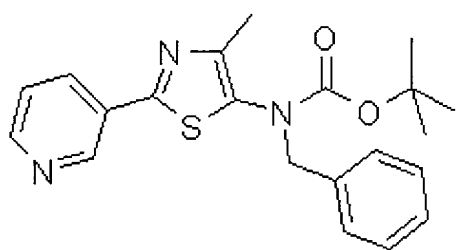
13



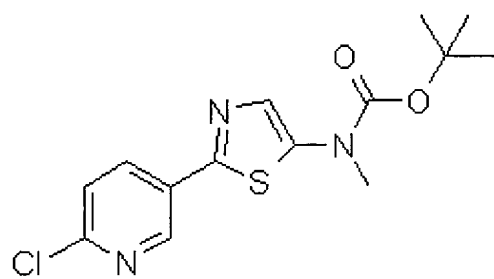
14



15

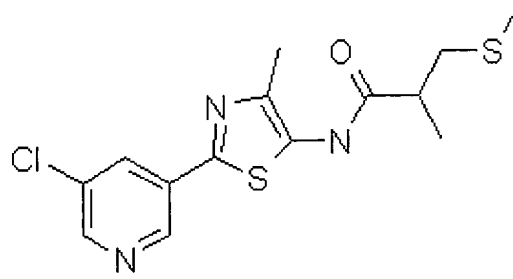


16

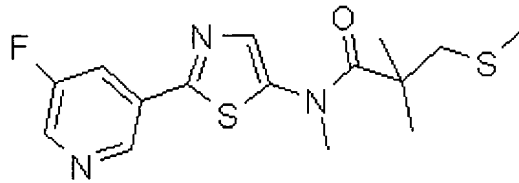


v

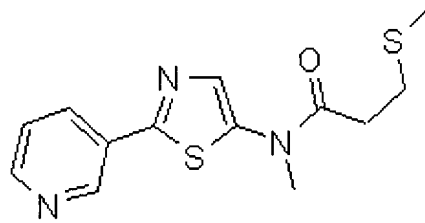
17



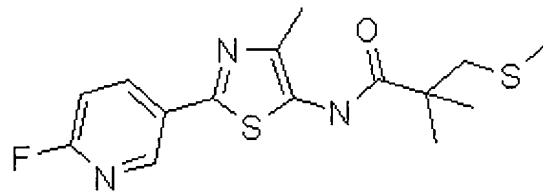
18



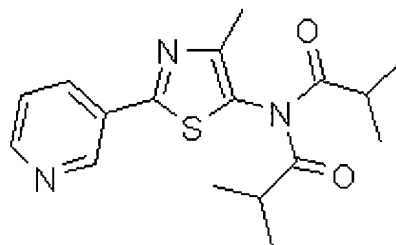
19



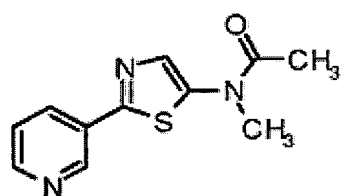
20



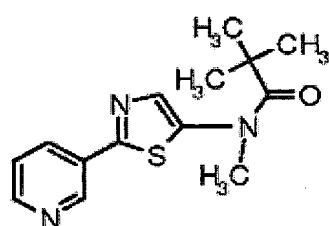
21



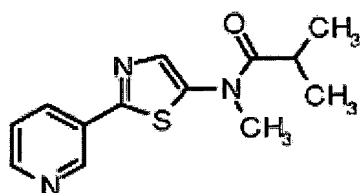
22



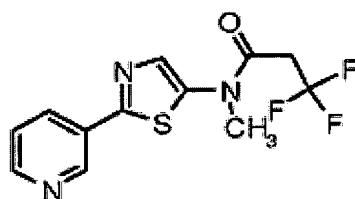
23



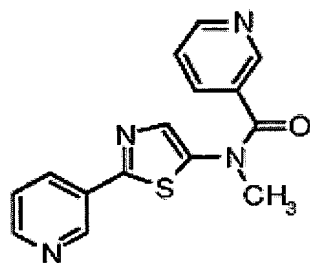
24



25

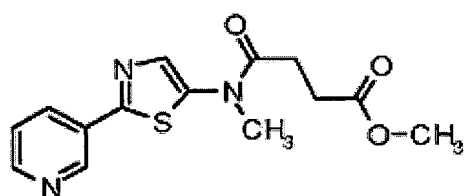


26

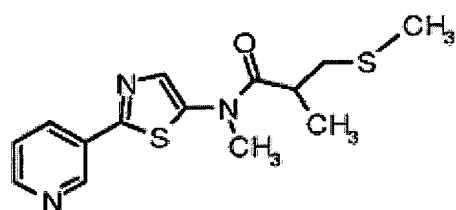


VR

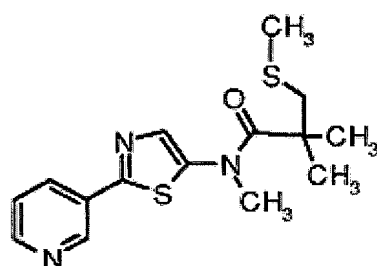
27



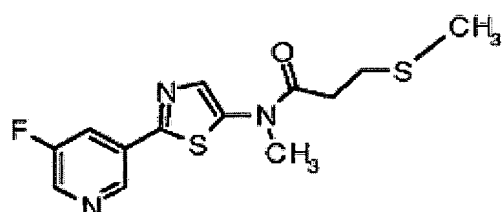
28



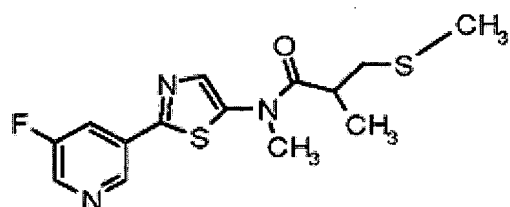
29



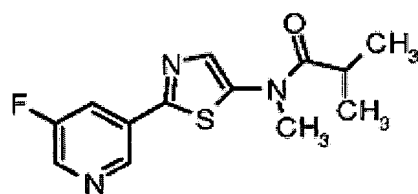
30



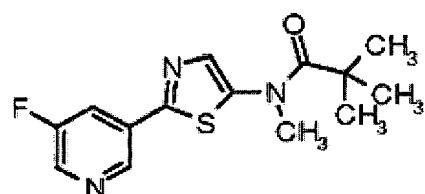
31



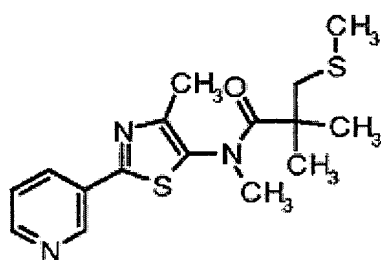
32



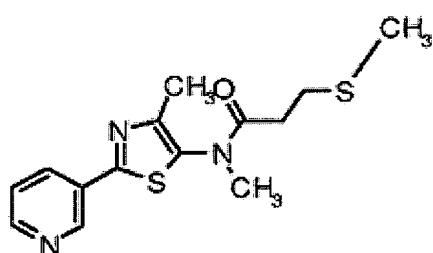
33



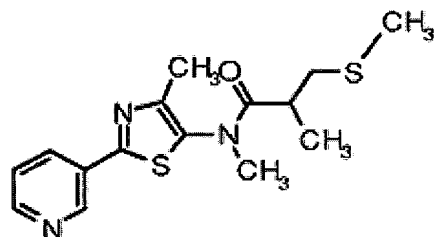
34



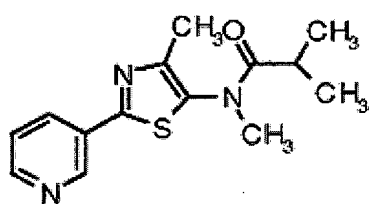
35



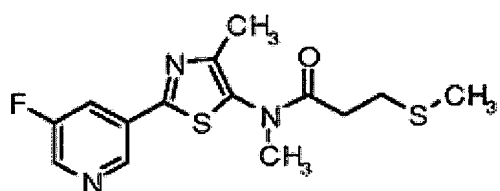
36



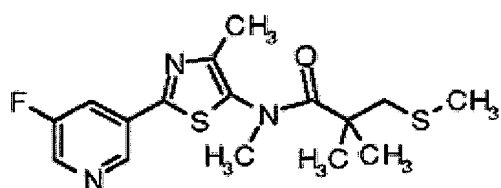
37



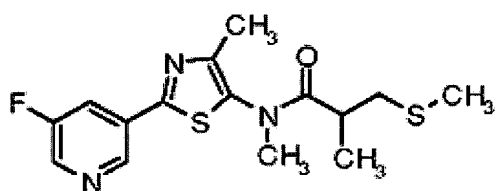
38



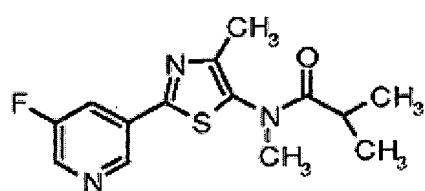
39



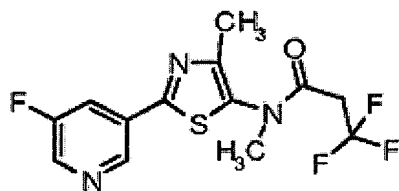
40



41

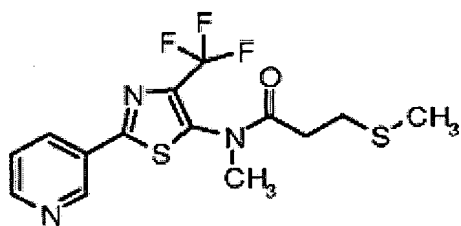


42

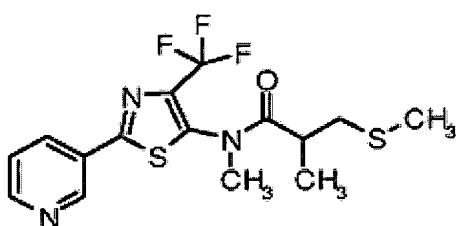


25

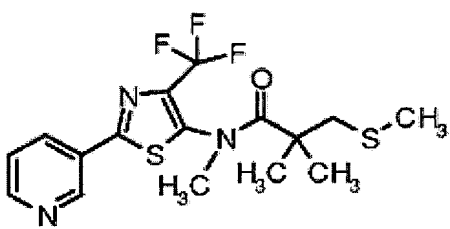
43



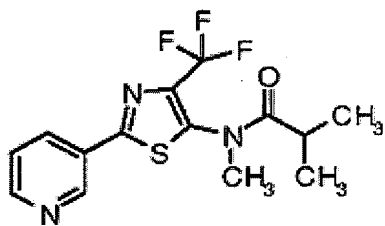
44



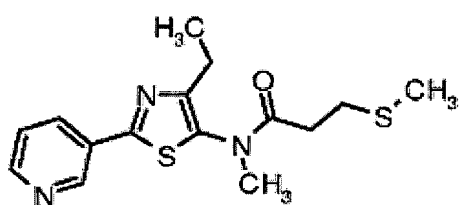
45



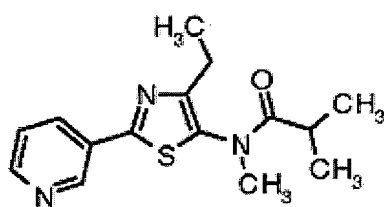
46



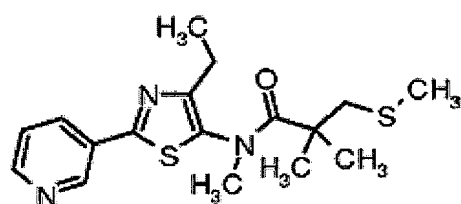
47



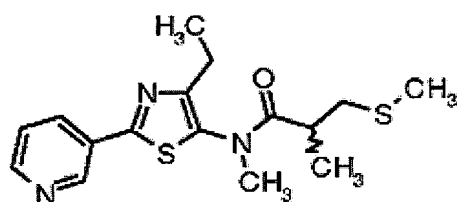
48



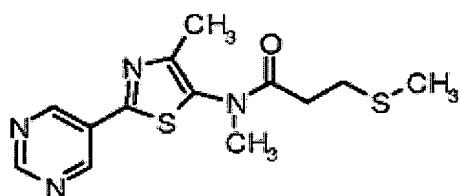
49



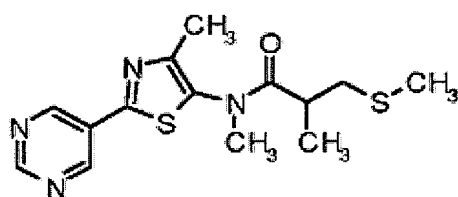
50



51

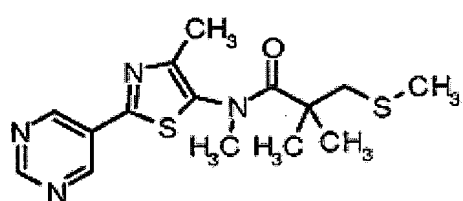


52

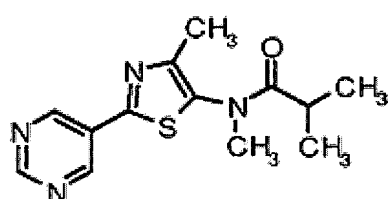


27

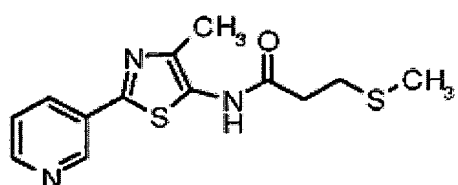
53



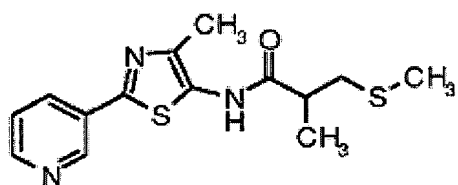
54



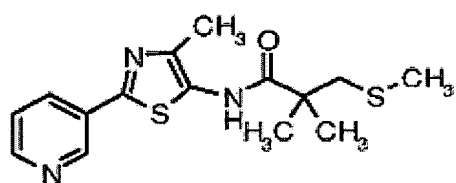
55



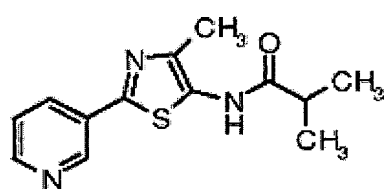
56



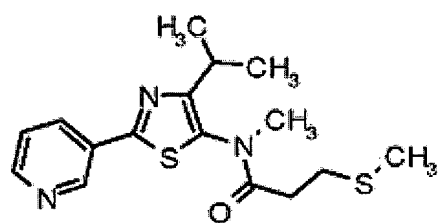
57



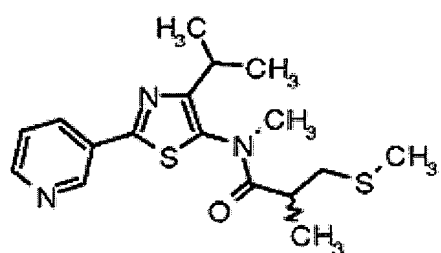
58



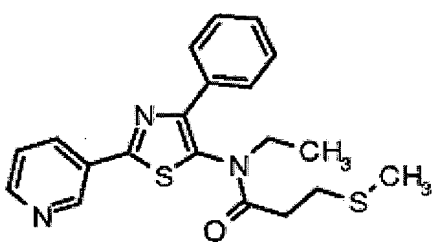
59



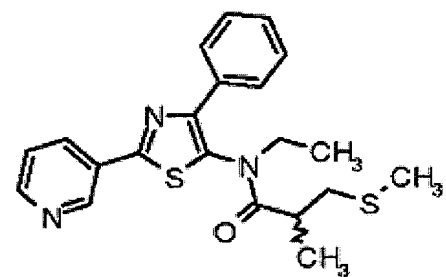
60



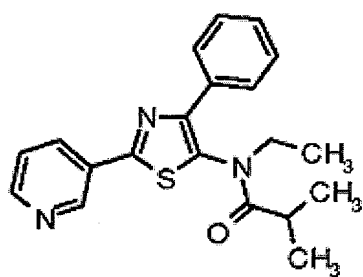
61



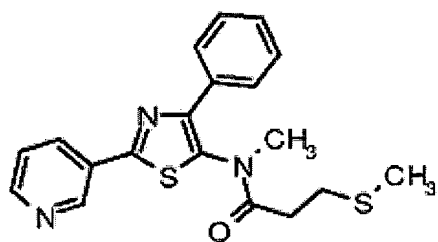
62



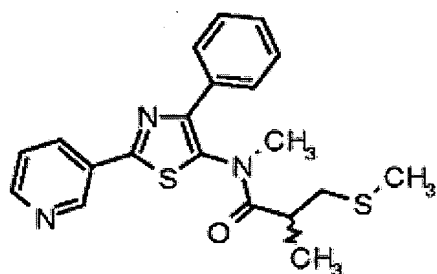
63



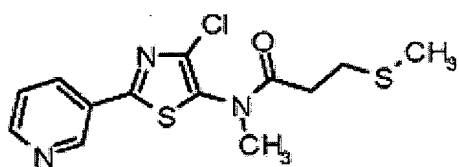
64



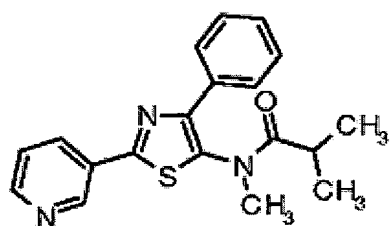
65



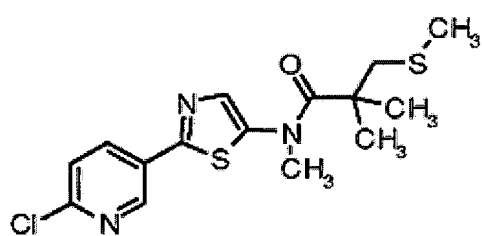
66



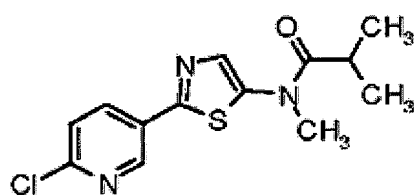
67



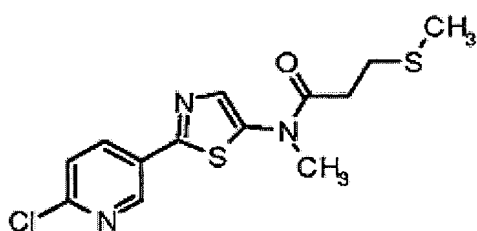
68



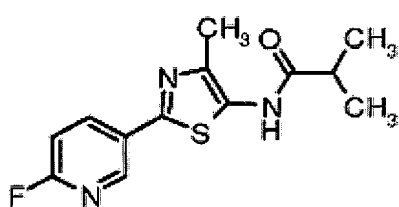
69



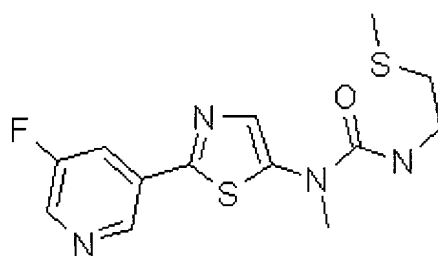
70



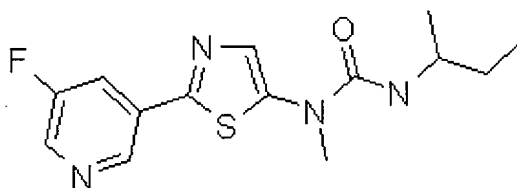
71



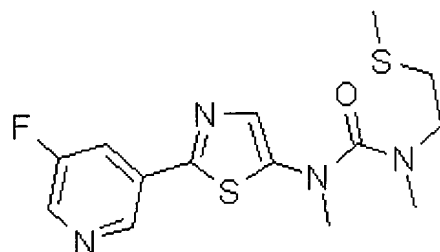
72



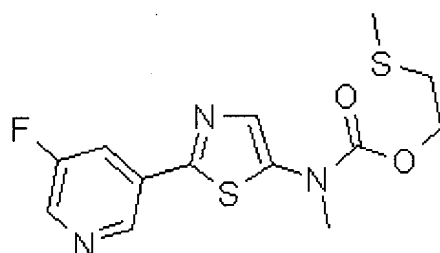
73



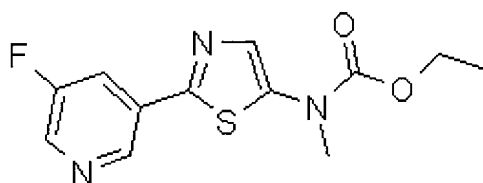
74



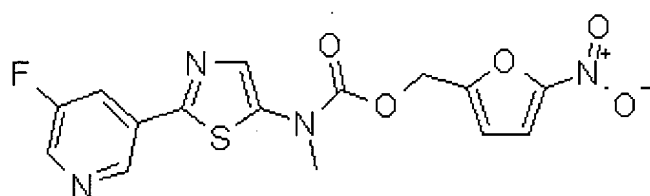
75



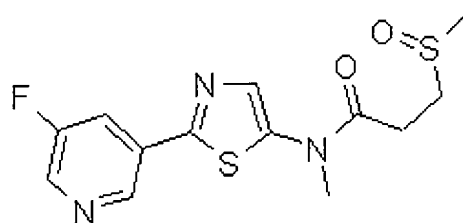
76



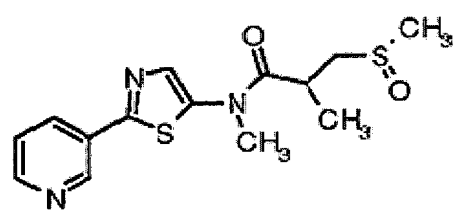
77



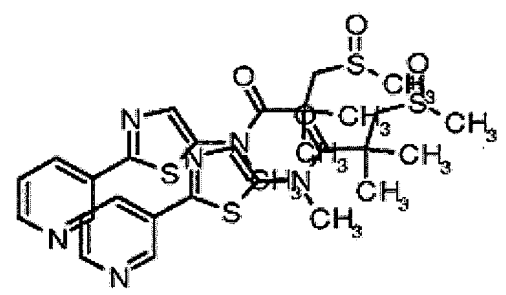
78



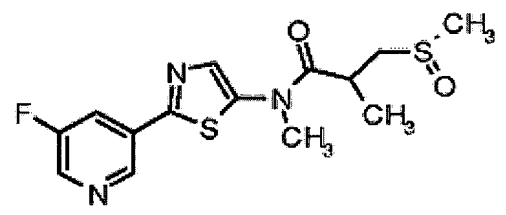
79



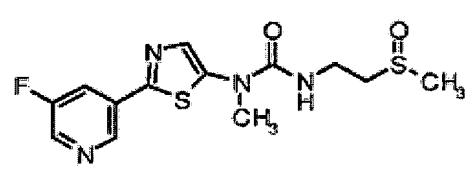
80



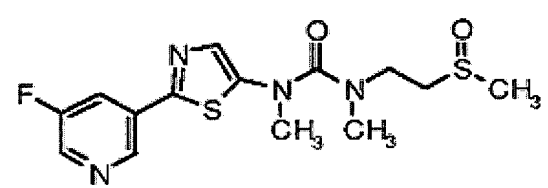
81



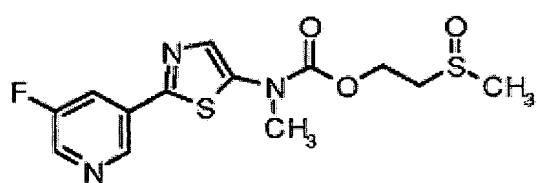
82



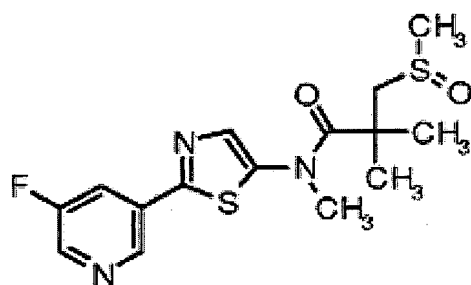
83



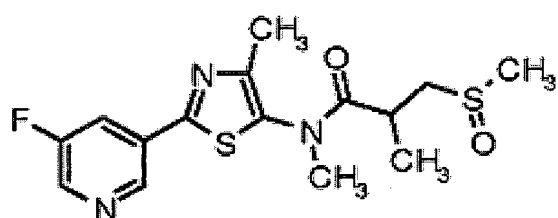
84



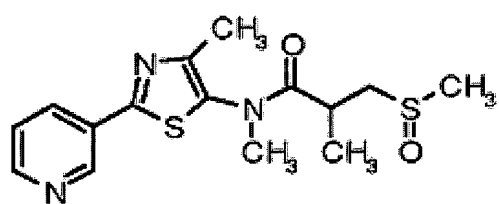
85



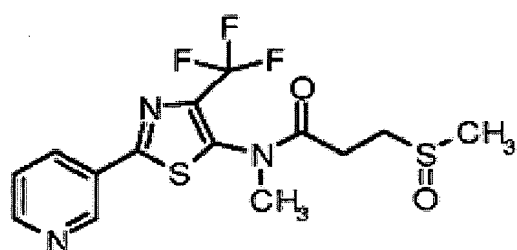
86



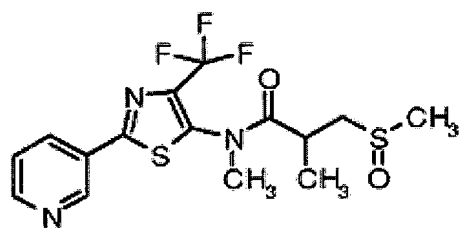
87



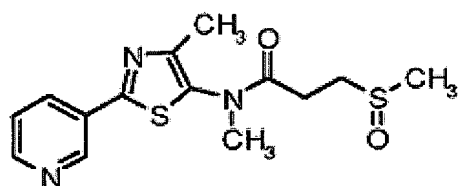
88



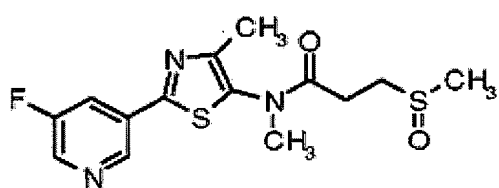
89



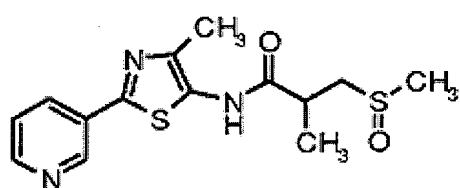
90



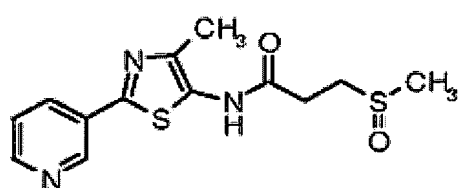
91



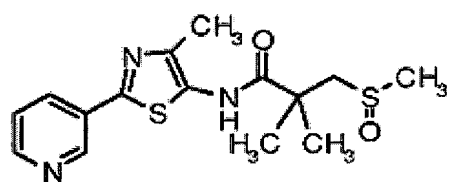
92



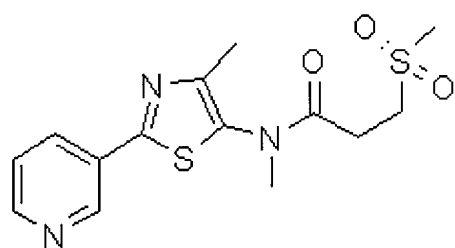
93



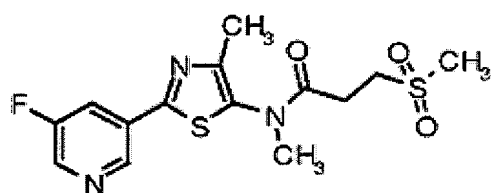
94



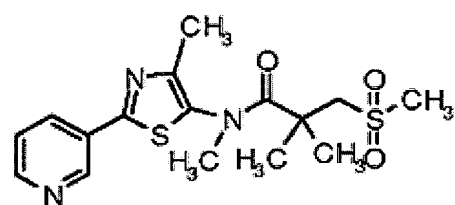
95



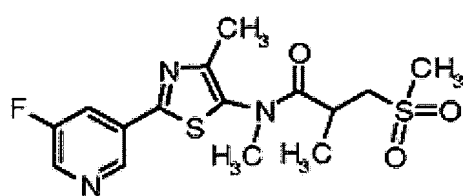
96



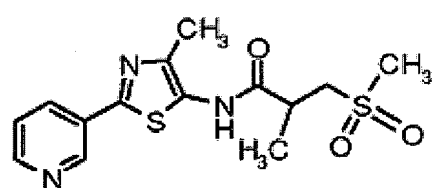
97



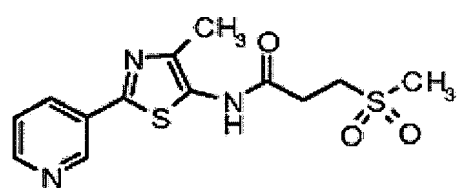
98



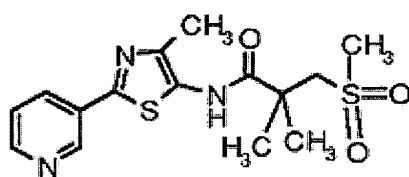
99



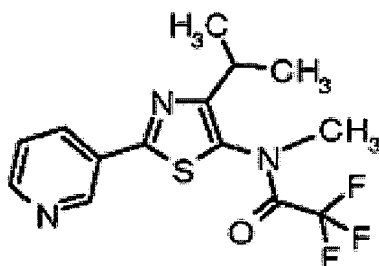
100



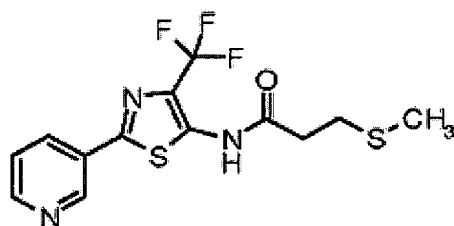
101



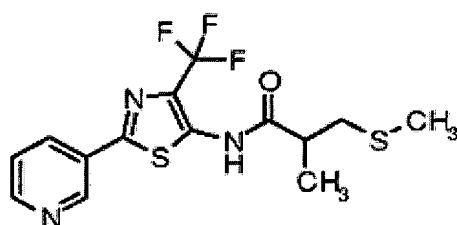
120



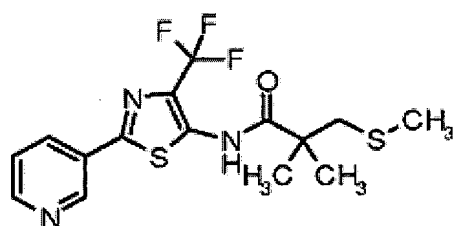
133



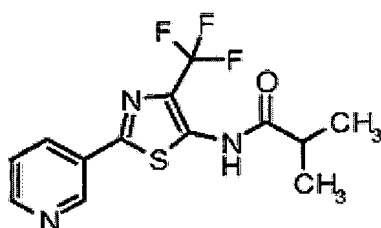
134



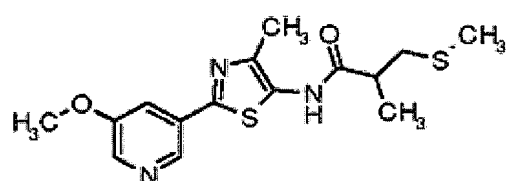
135



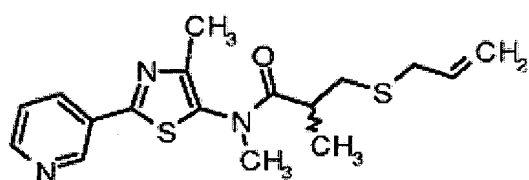
136



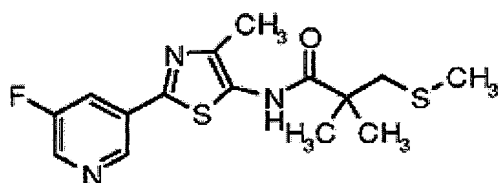
137



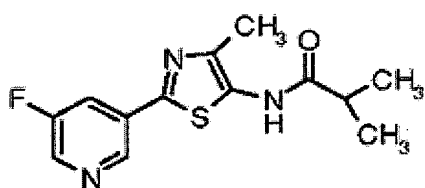
138



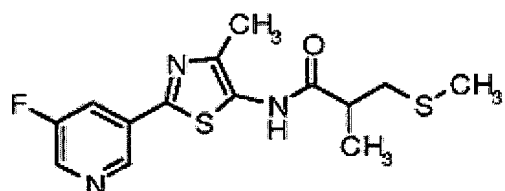
139



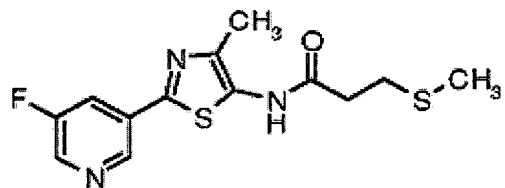
140



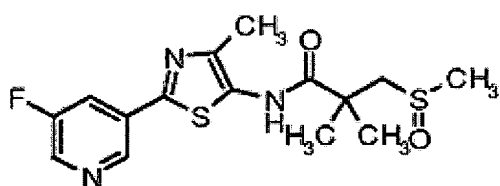
141



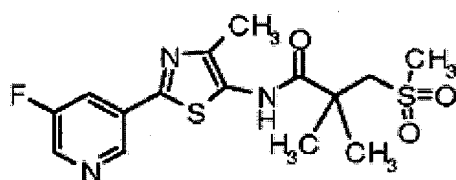
142



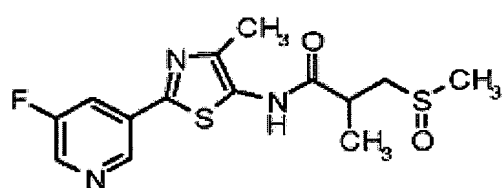
143



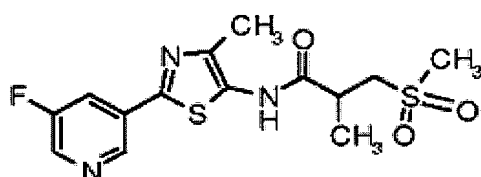
144



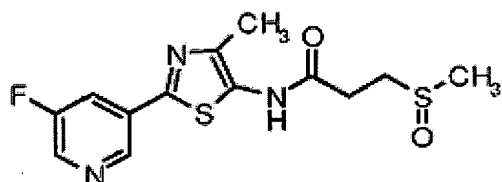
145



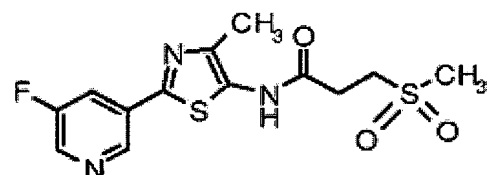
146



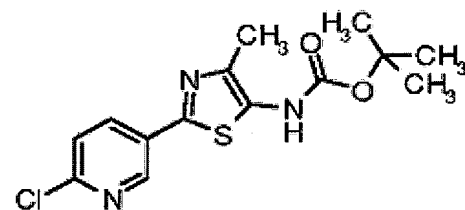
147



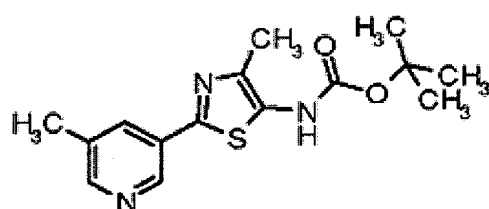
148



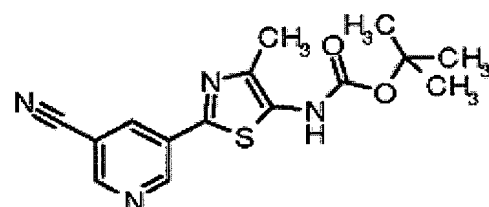
149



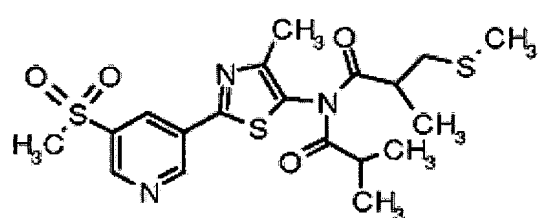
150



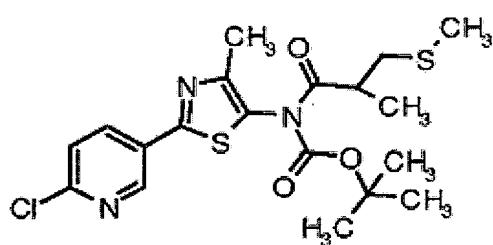
151



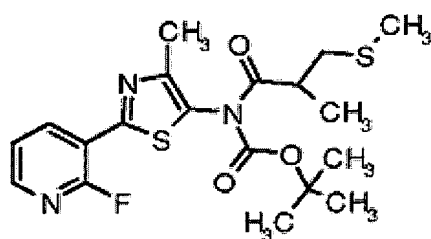
152



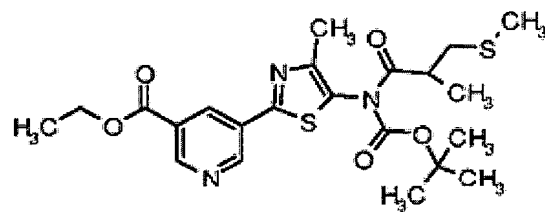
153



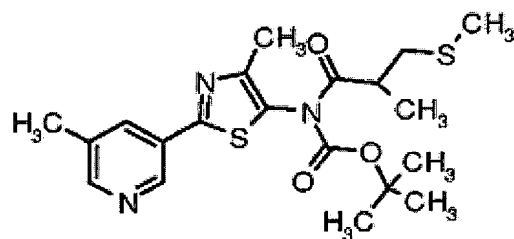
154



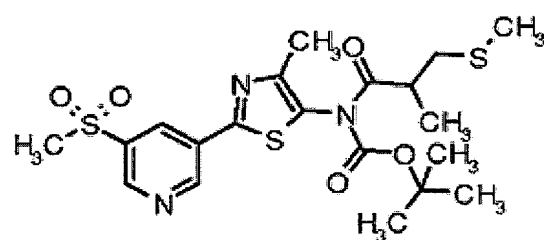
155



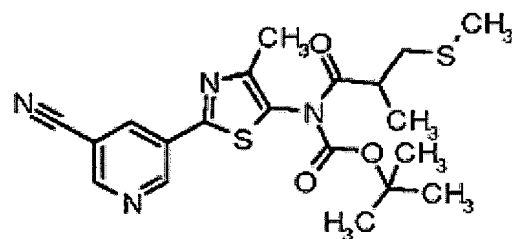
156



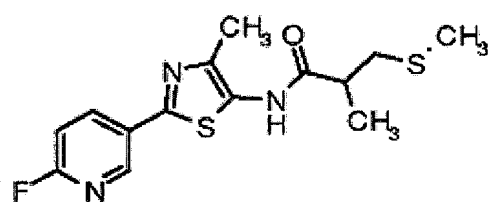
157



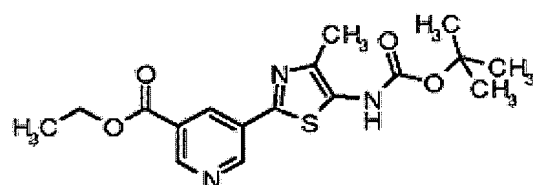
158



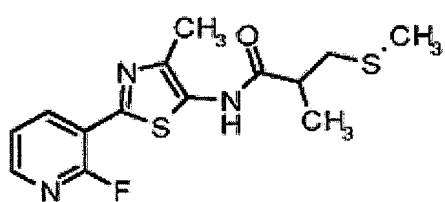
159



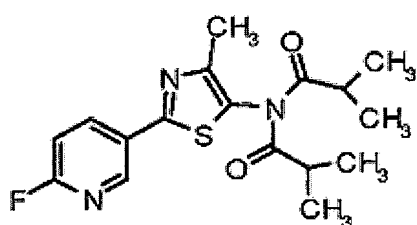
160



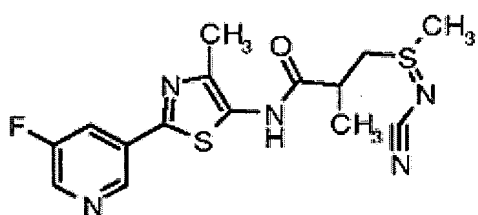
161



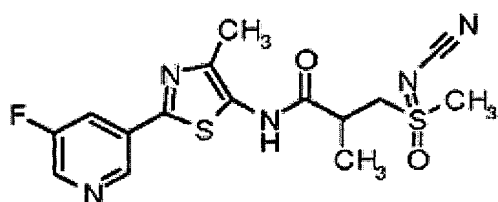
162



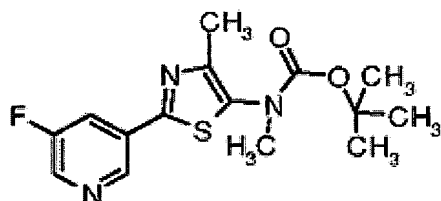
163



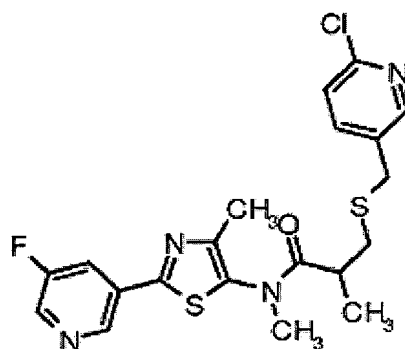
164



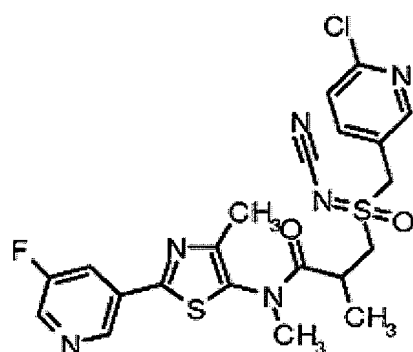
165



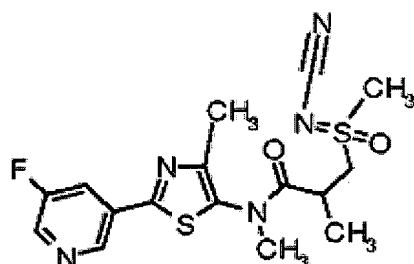
166



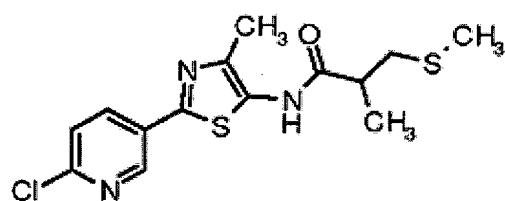
167



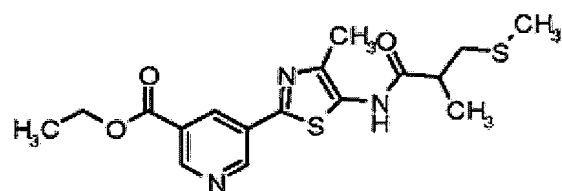
168



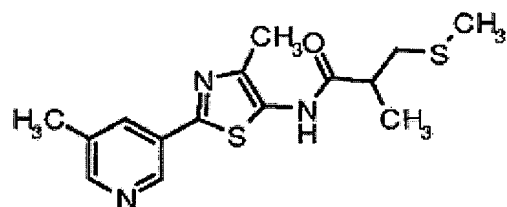
169



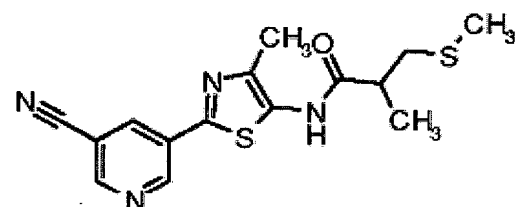
170



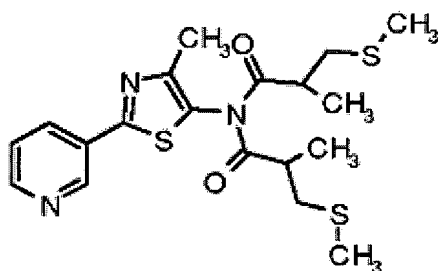
171



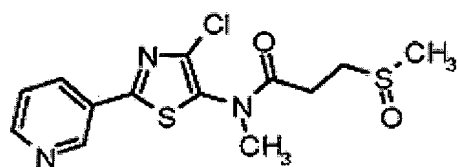
172



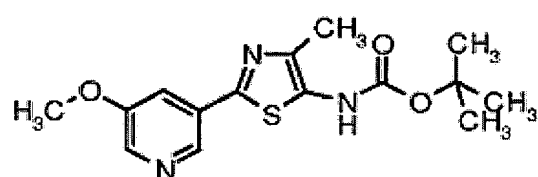
173



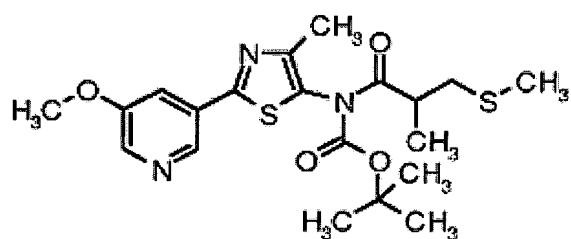
174



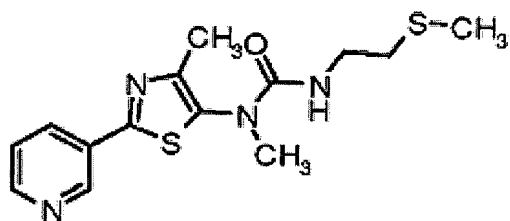
175



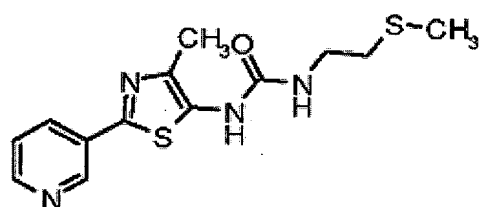
176



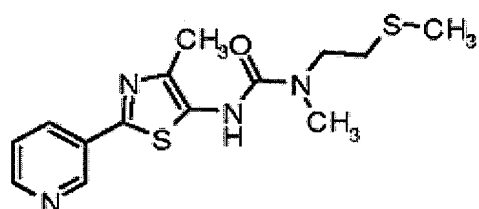
177



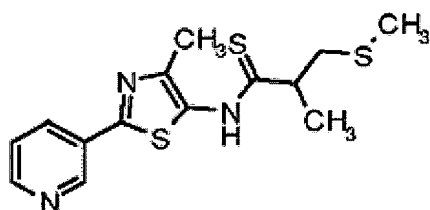
178



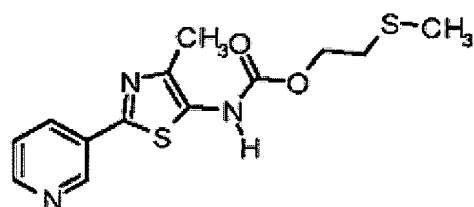
179



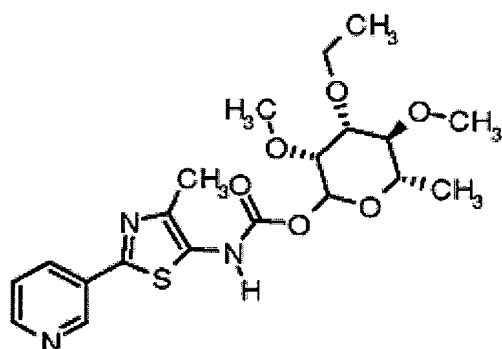
180



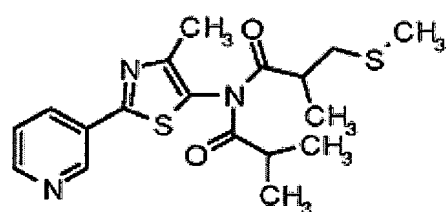
181



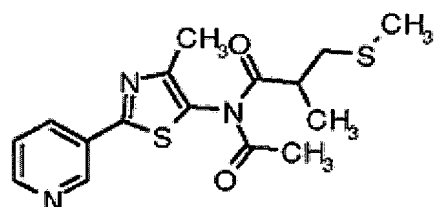
182



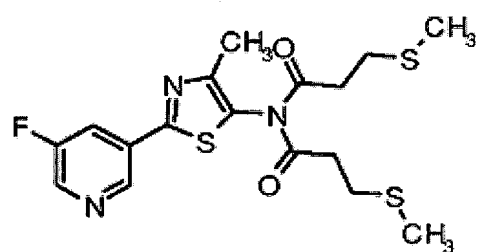
183



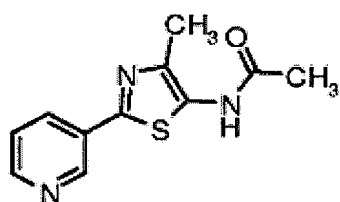
184



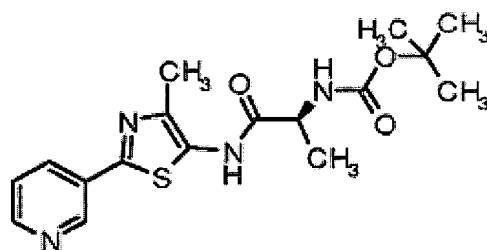
185



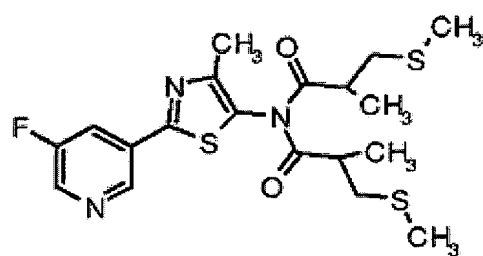
186



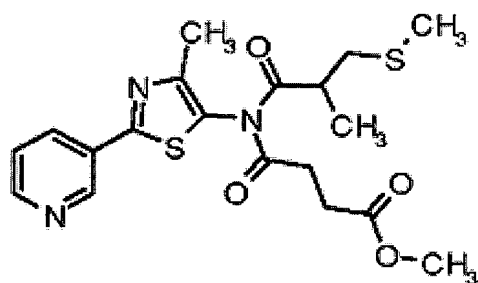
187



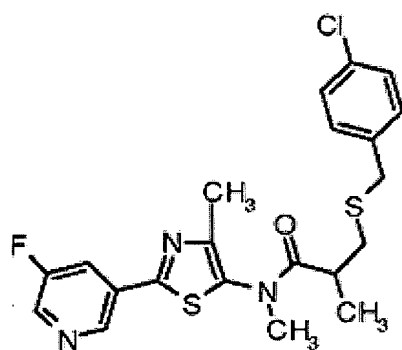
188



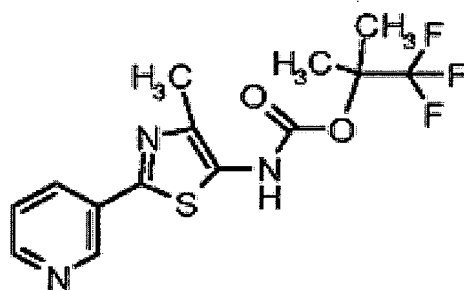
189



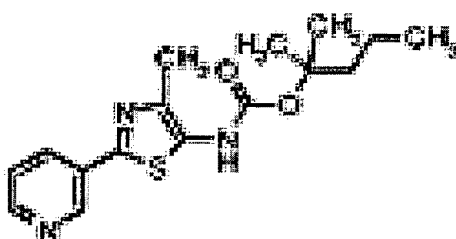
190



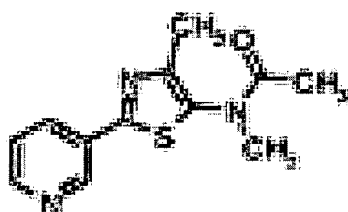
191



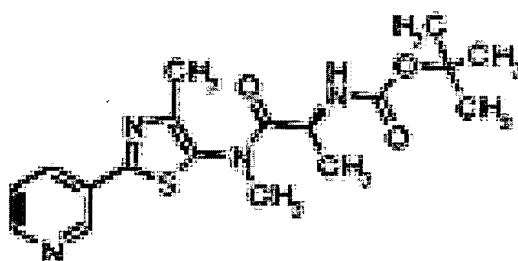
192



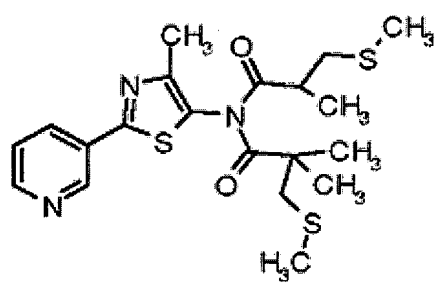
193



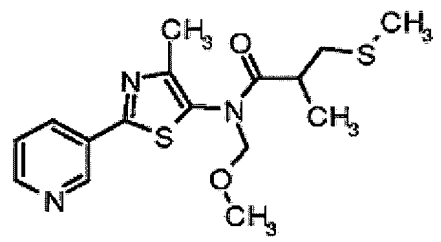
194



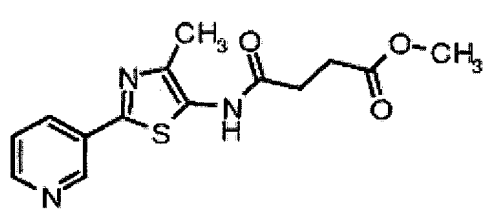
195



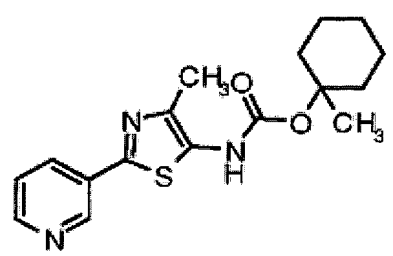
196



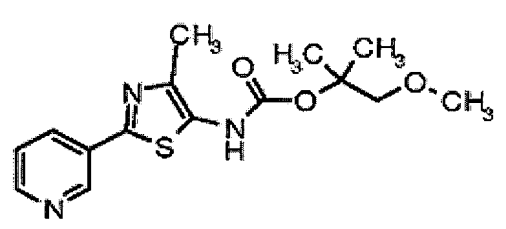
197



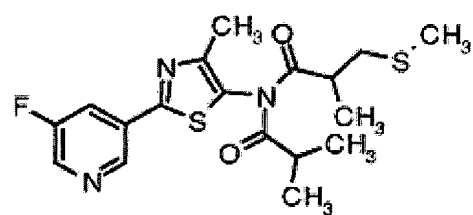
198



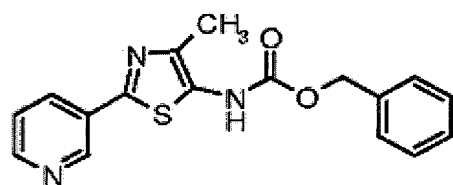
199



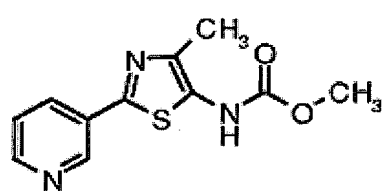
200



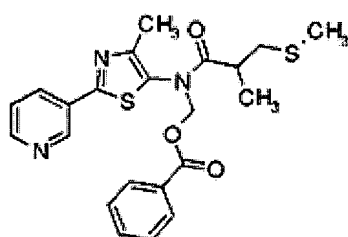
201



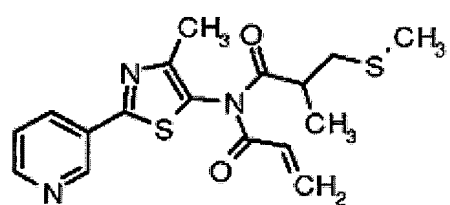
202



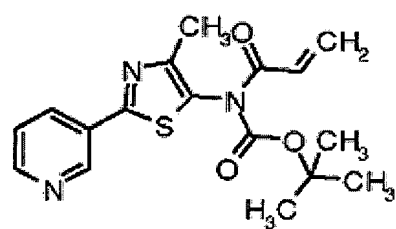
203



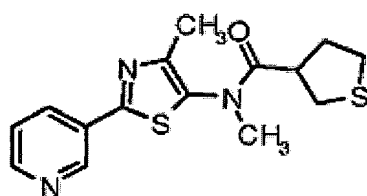
204



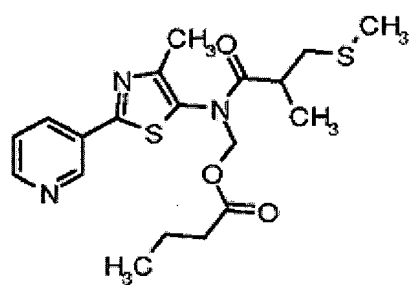
205



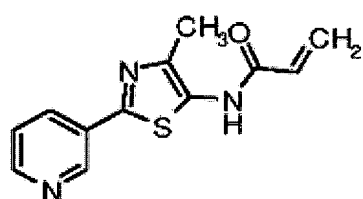
206



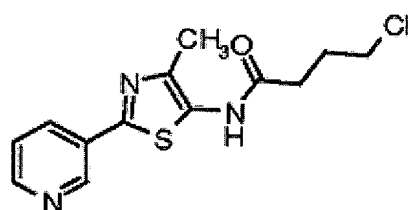
207



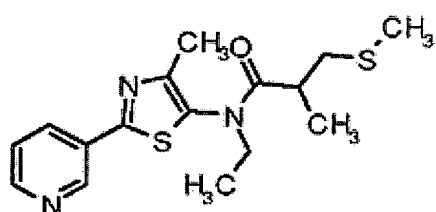
208



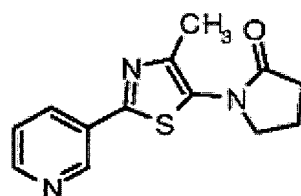
209



210

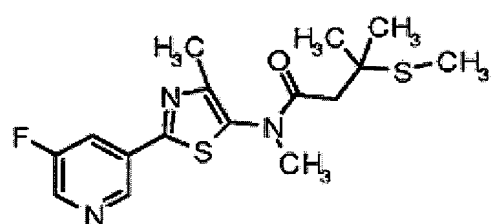


211

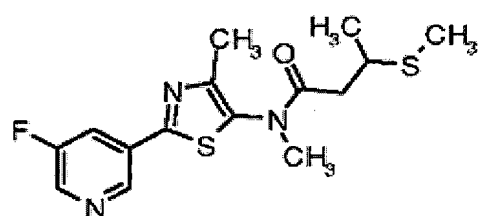


51

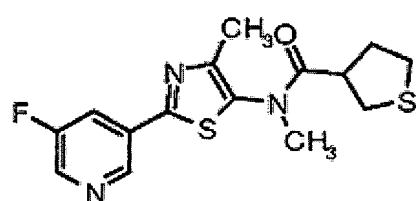
212



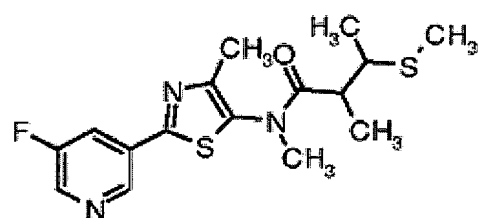
213



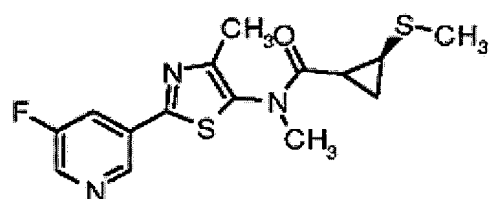
214



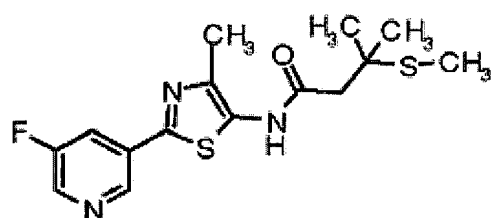
215



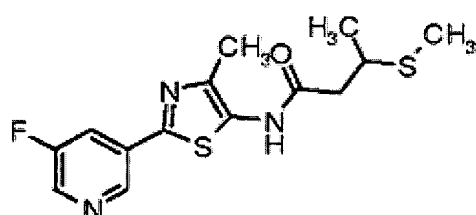
216



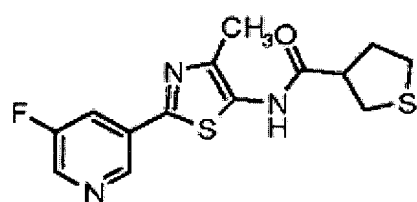
217



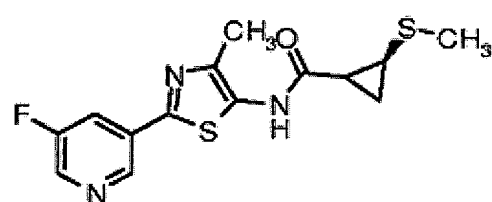
218



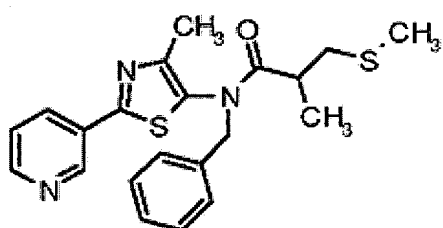
219



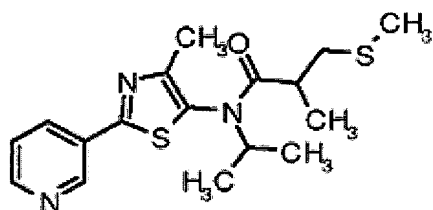
220



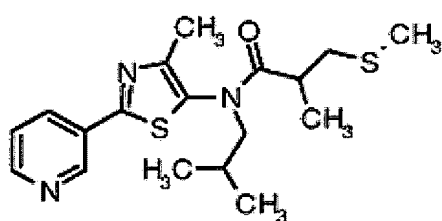
221



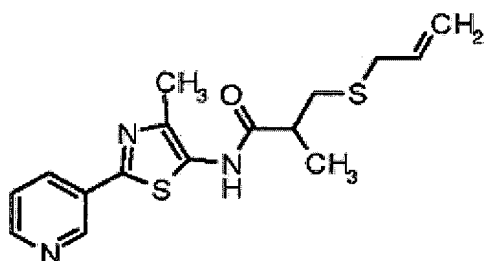
222



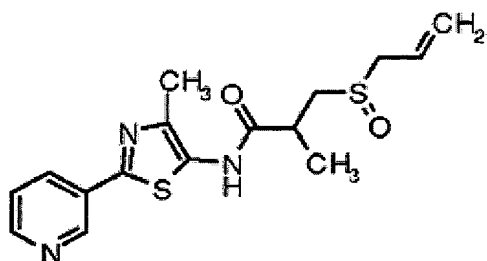
223



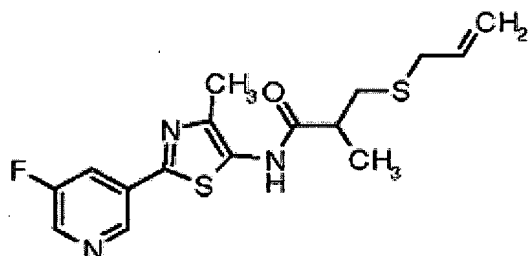
224



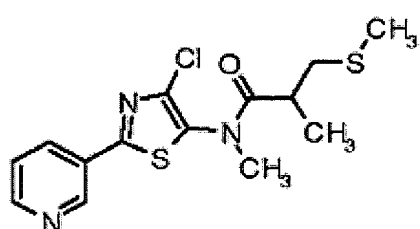
225



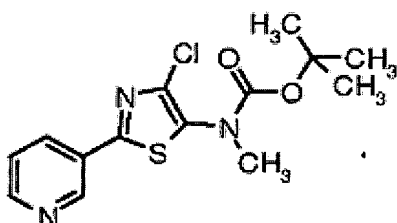
226



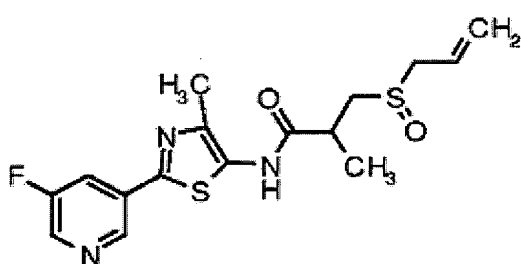
227



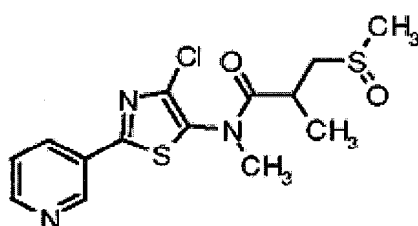
228



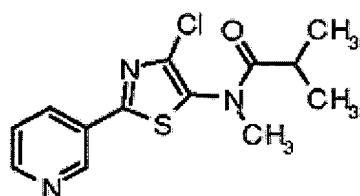
229



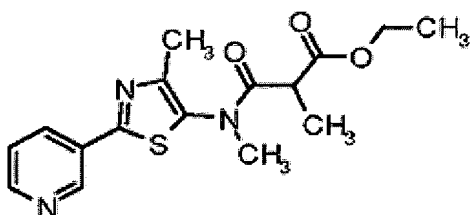
230



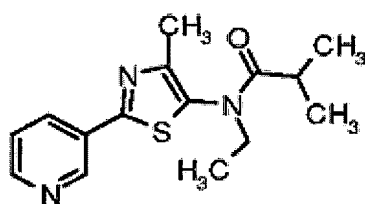
231



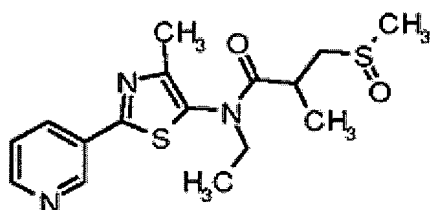
232



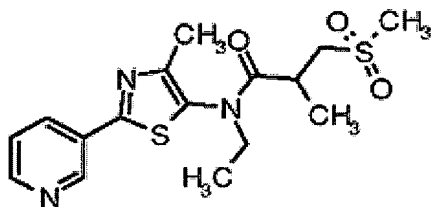
233



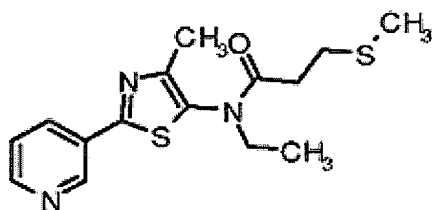
234



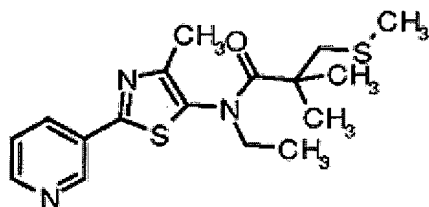
235



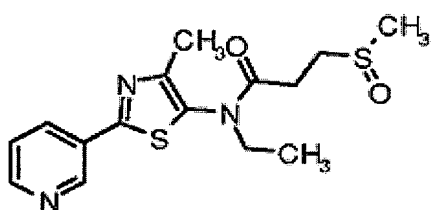
236



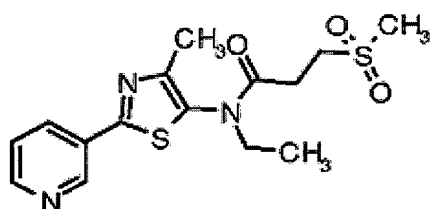
237



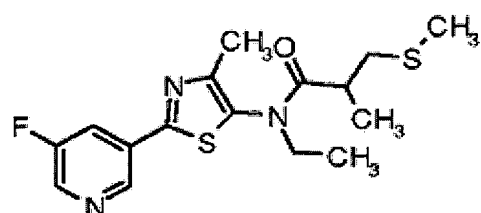
238



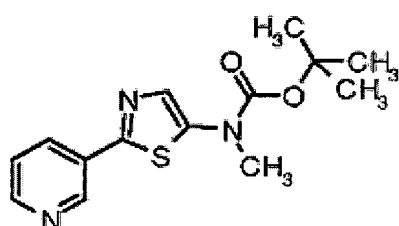
239



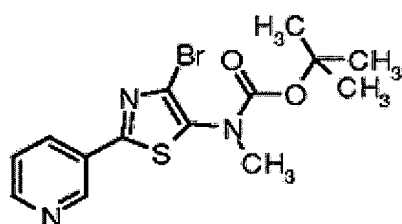
240



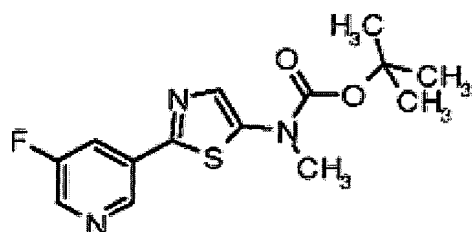
241



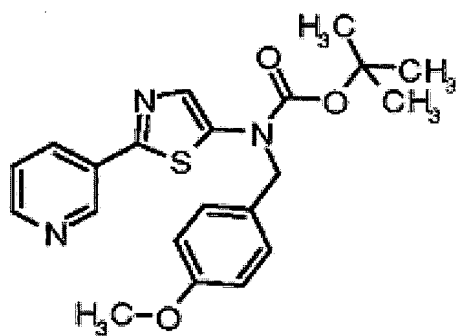
242



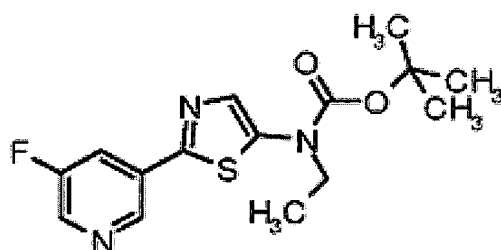
243



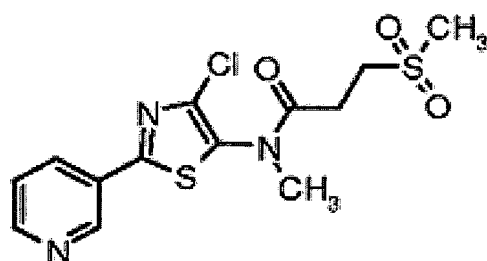
244



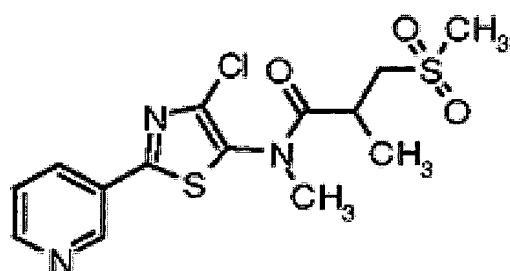
245



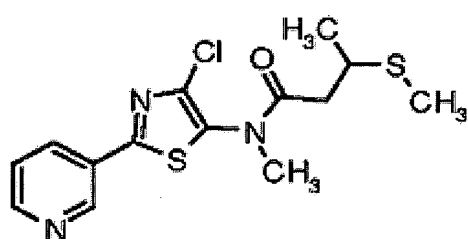
246



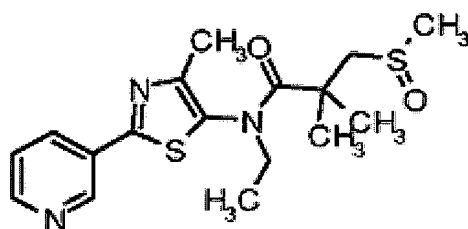
247



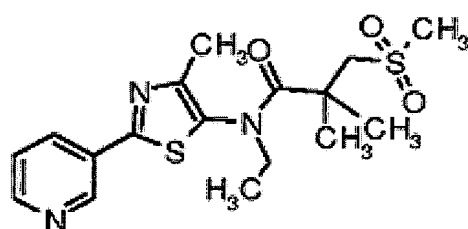
248



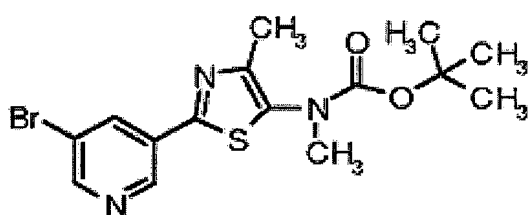
249



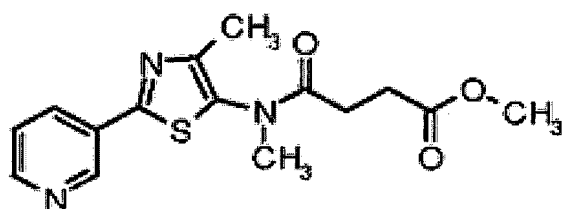
250



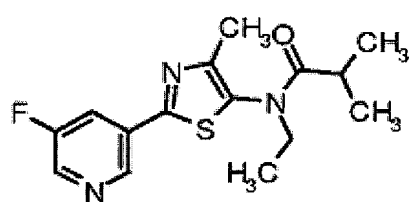
251



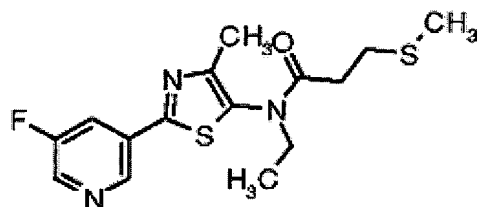
252



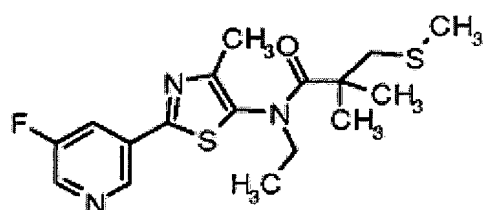
253



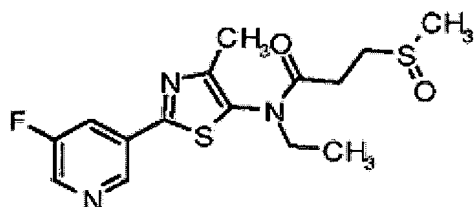
254



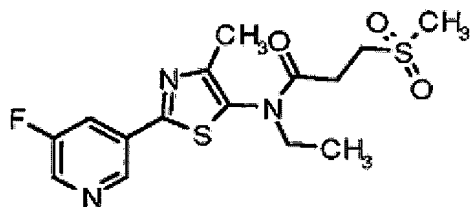
255



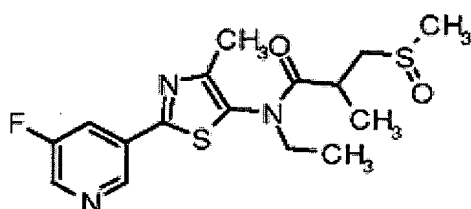
256



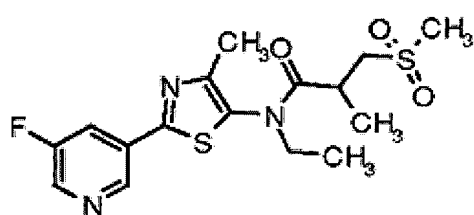
257



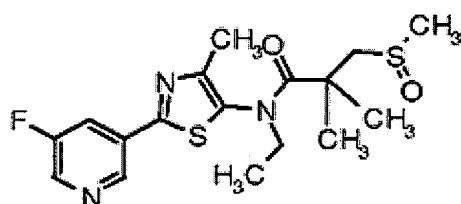
258



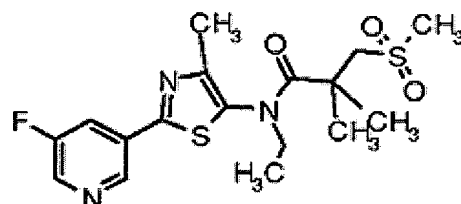
259



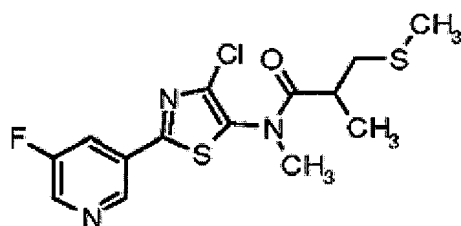
260



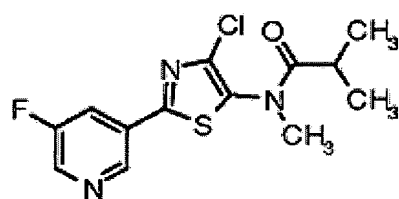
261



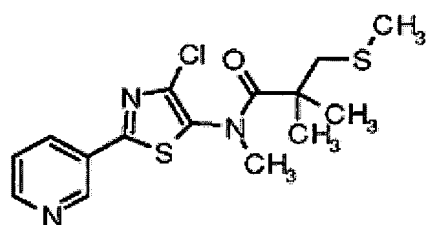
262



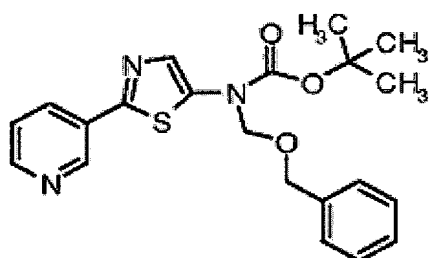
263



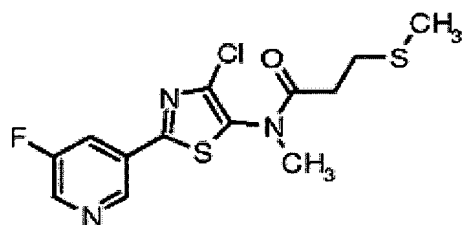
264



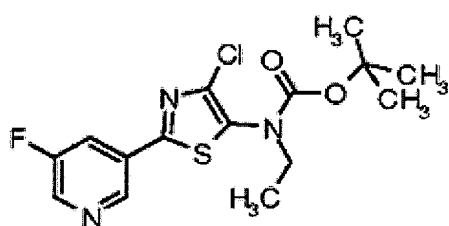
265



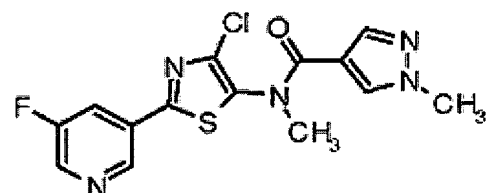
266



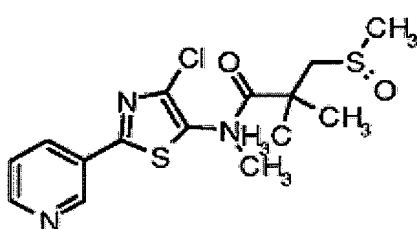
267



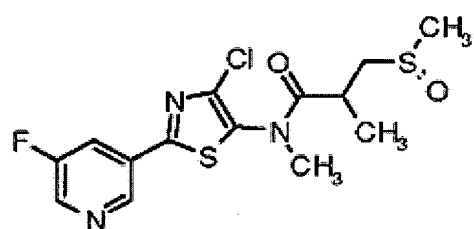
268



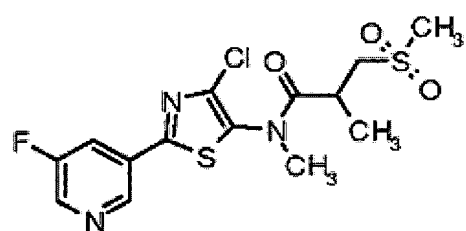
269



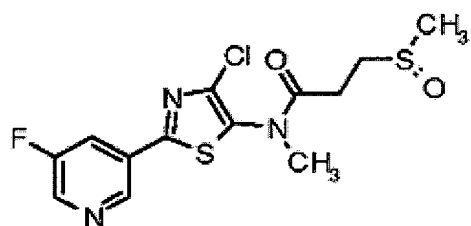
270



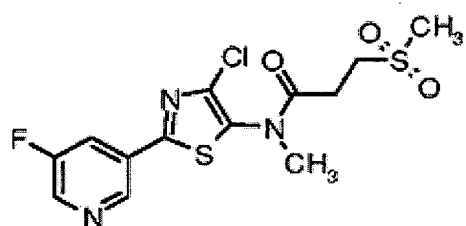
271



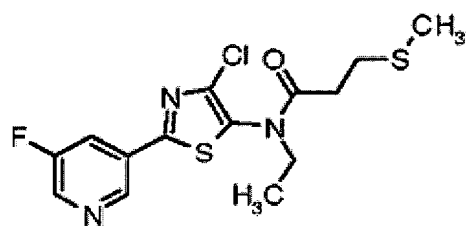
272



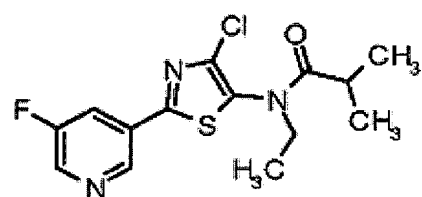
273



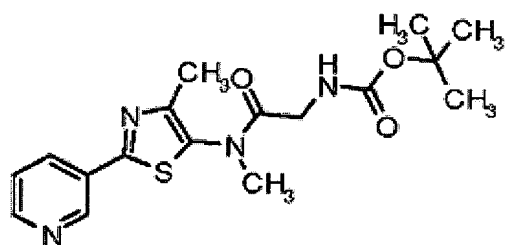
274



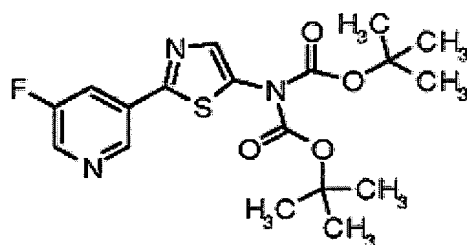
275



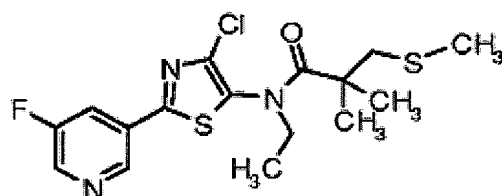
276



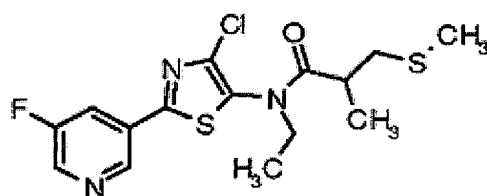
277



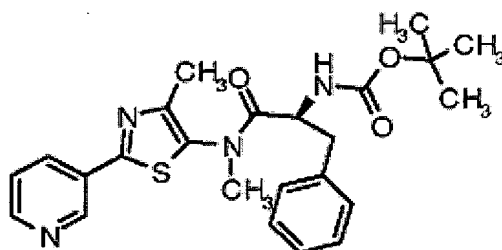
278



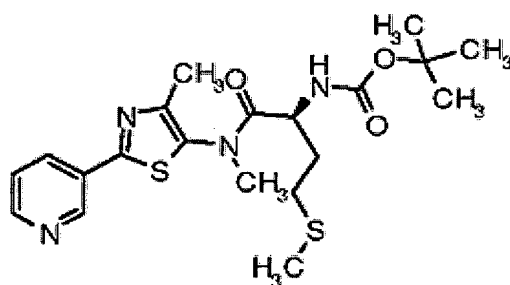
279



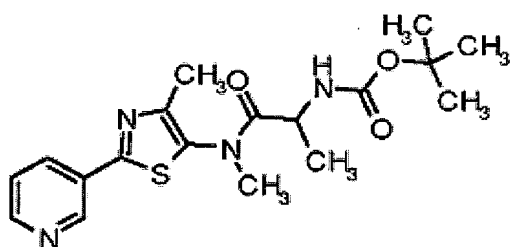
280



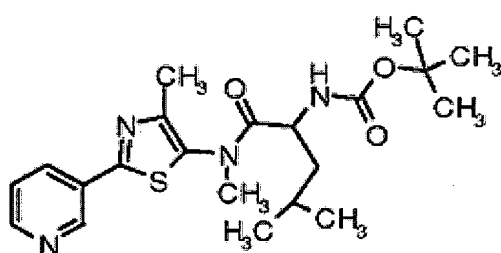
281



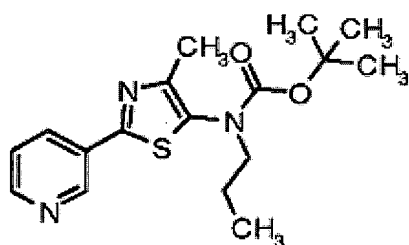
282



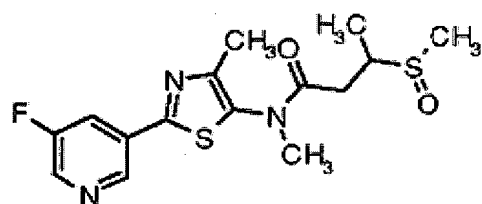
283



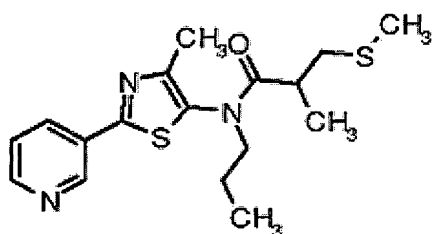
284



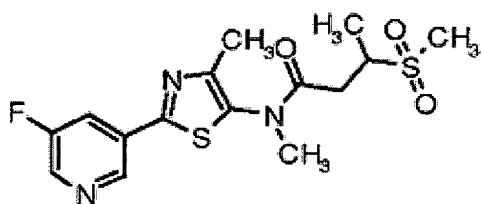
285



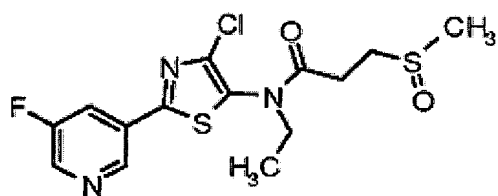
286



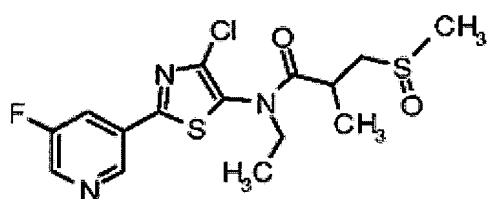
287



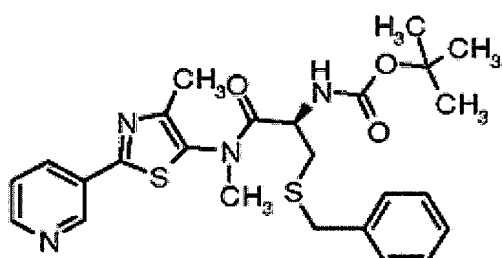
288



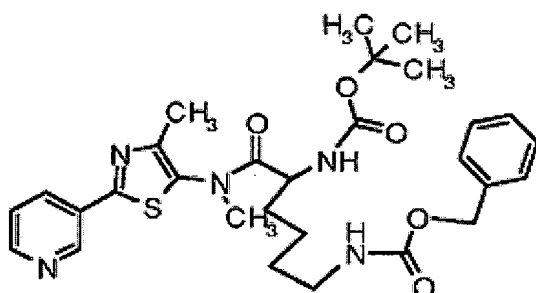
289



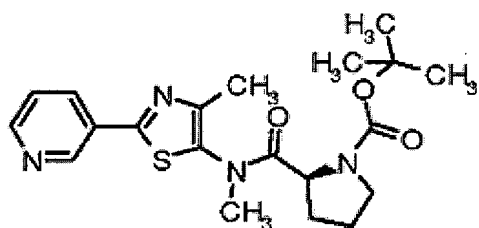
290



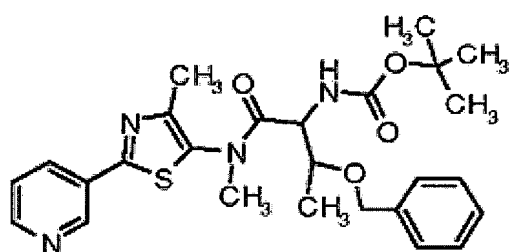
291



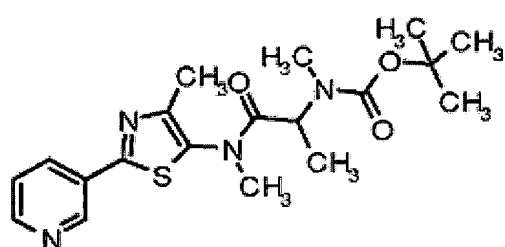
292



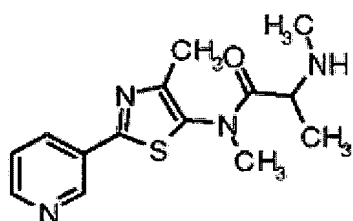
293



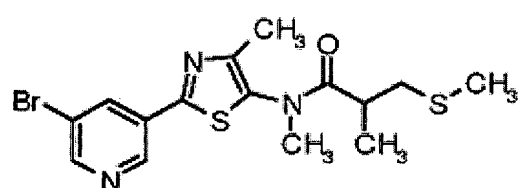
294



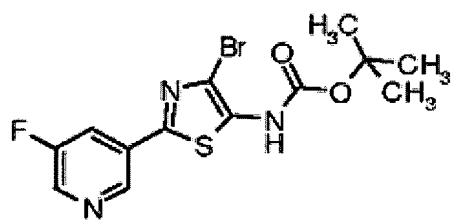
295



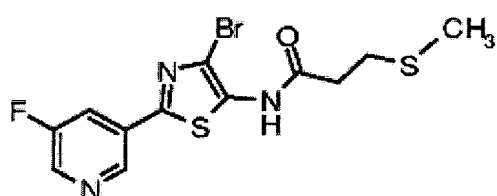
296



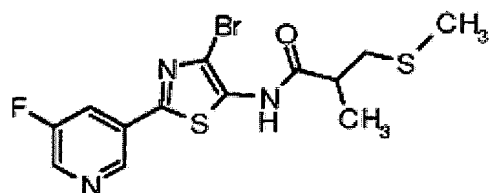
297



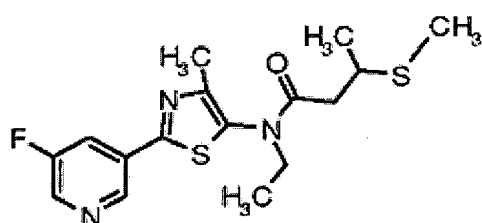
298



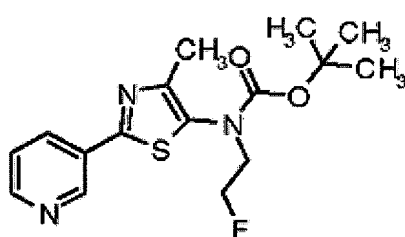
299



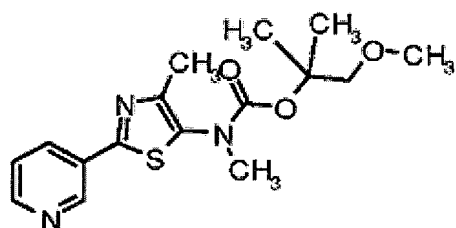
300



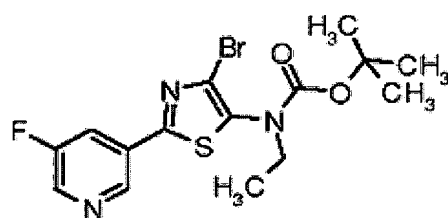
301



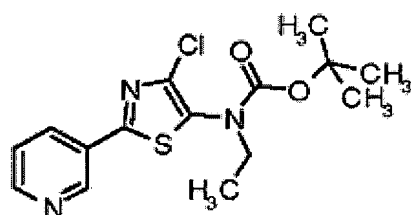
302



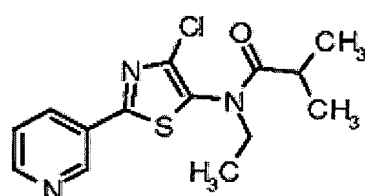
303



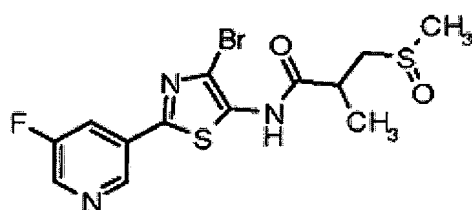
304



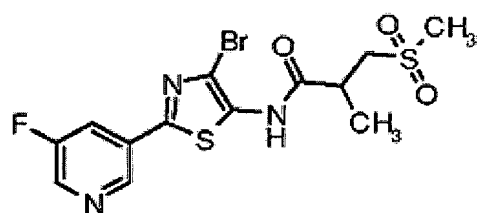
305



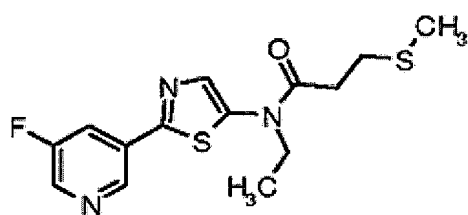
306



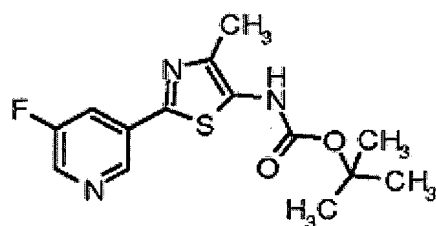
307



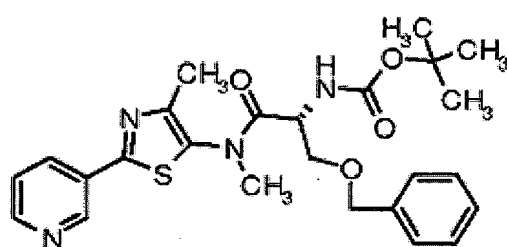
308



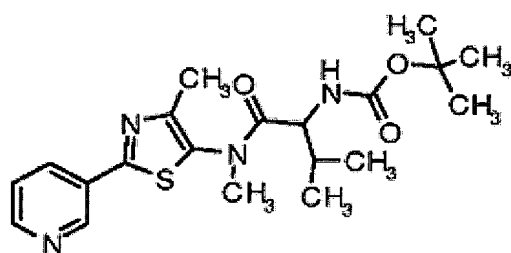
309



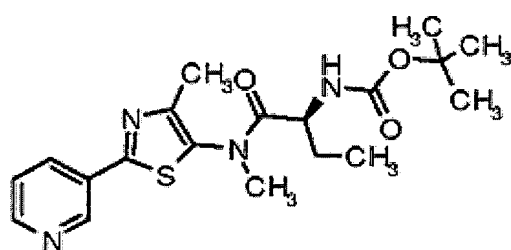
310



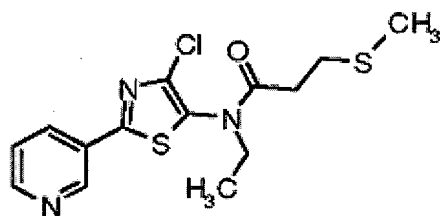
311



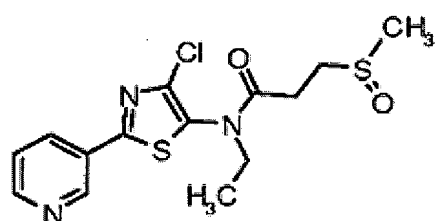
312



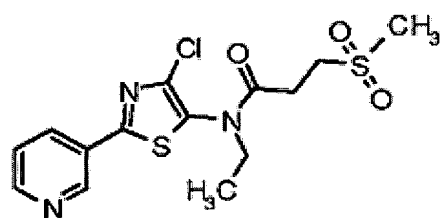
313



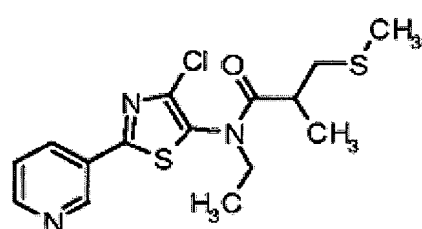
314



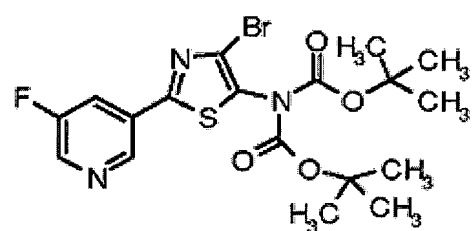
315



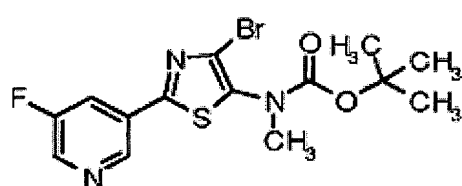
316



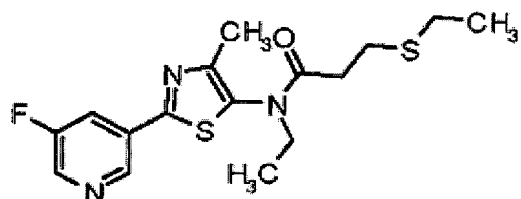
317



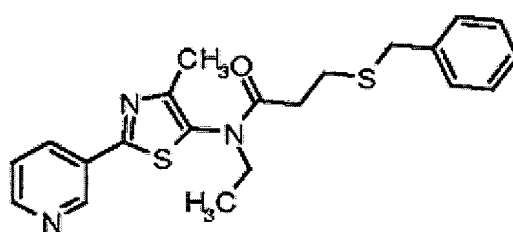
318



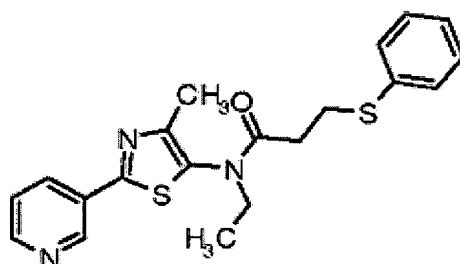
319



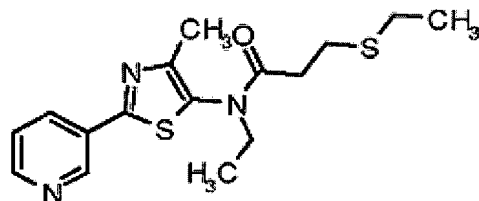
320



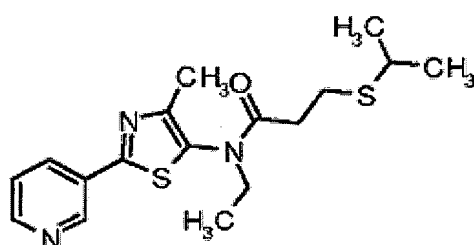
321



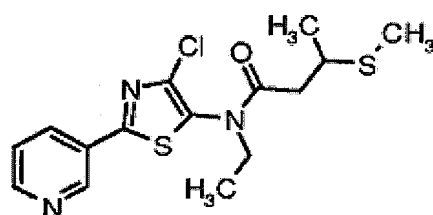
322



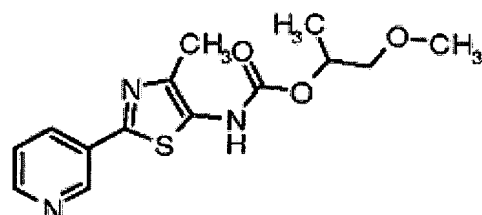
323



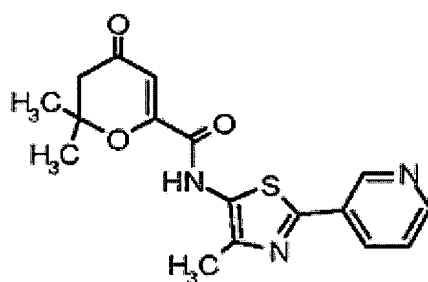
324



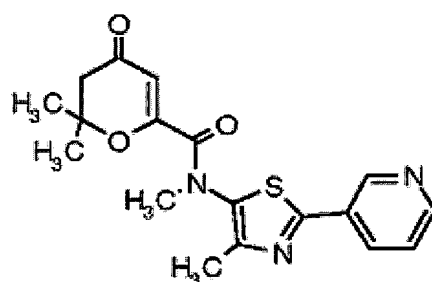
325



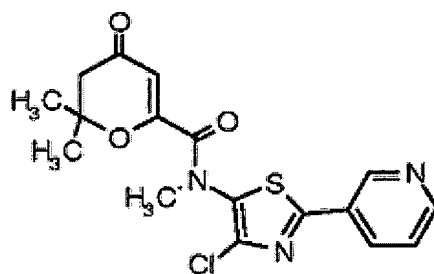
326



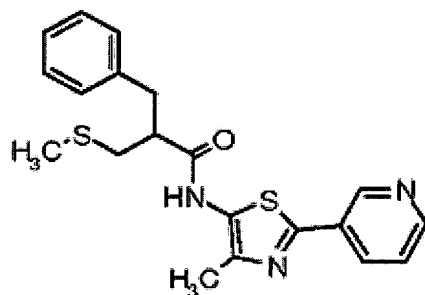
327



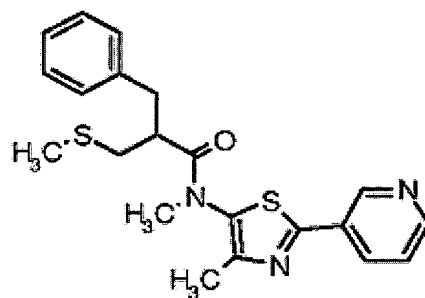
328



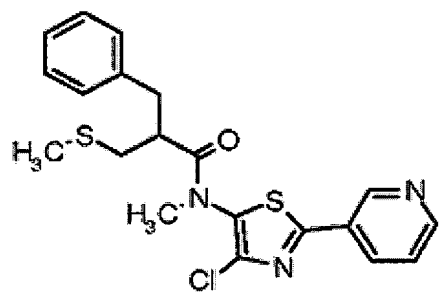
329



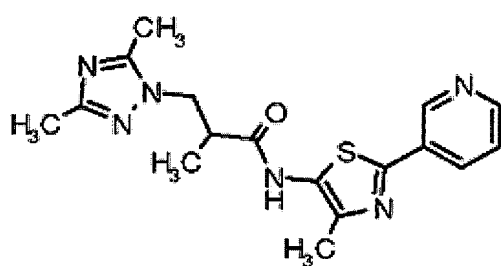
330



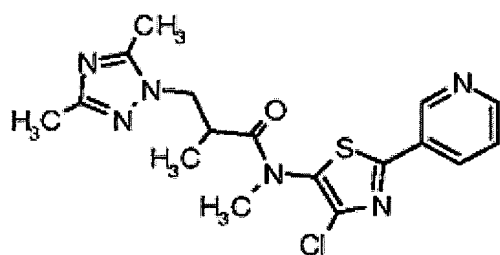
331



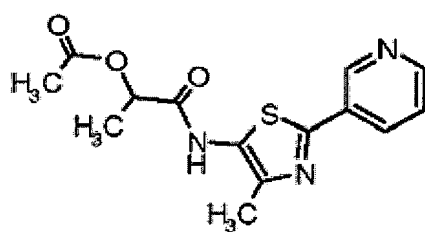
332



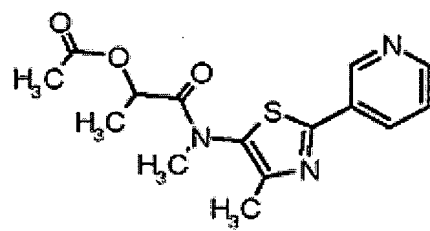
333



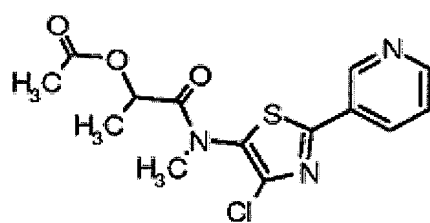
334



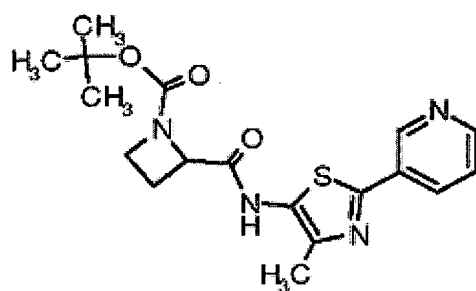
335



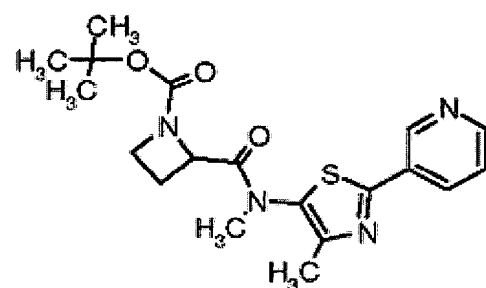
336



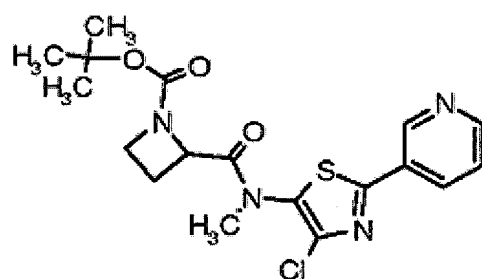
337



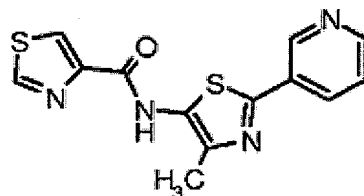
338



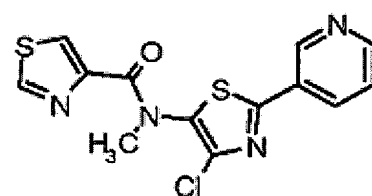
339



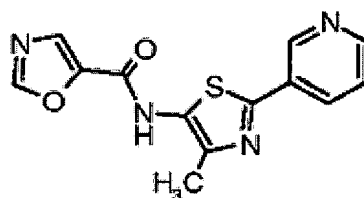
340



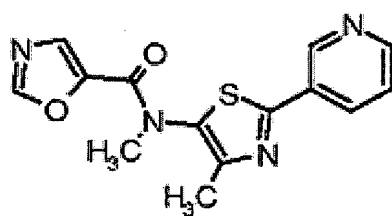
341



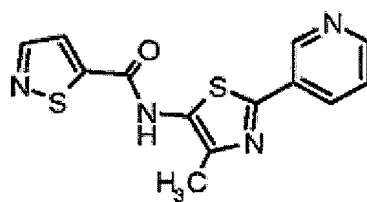
342



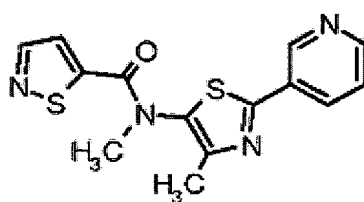
343



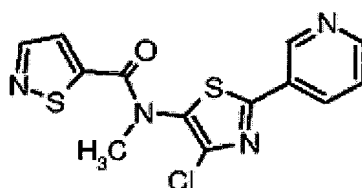
344



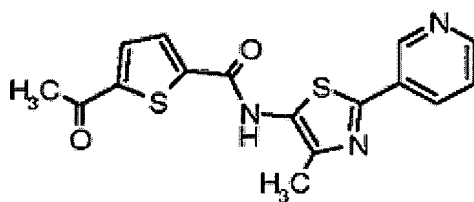
345



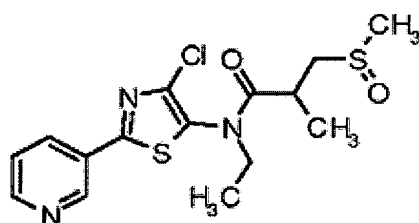
346



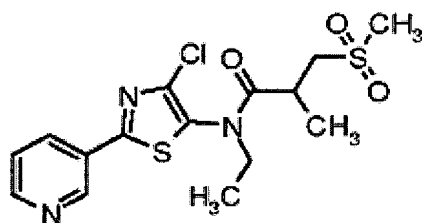
347



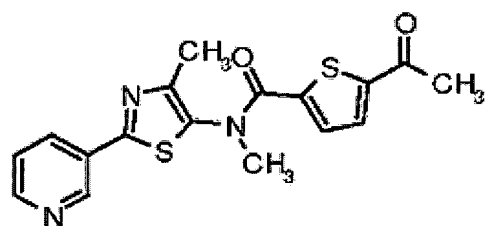
348



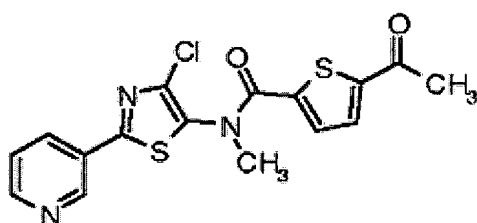
349



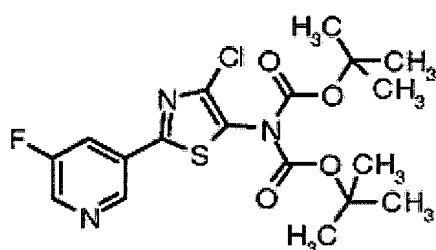
350



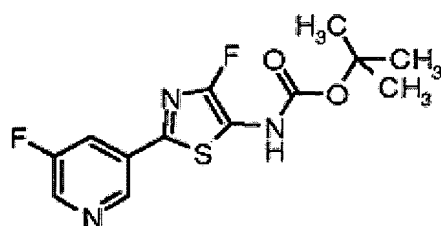
351



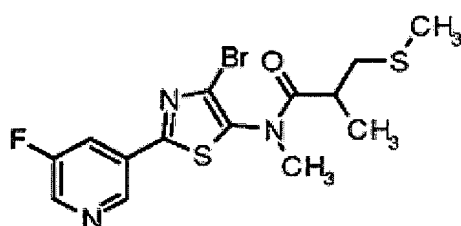
352



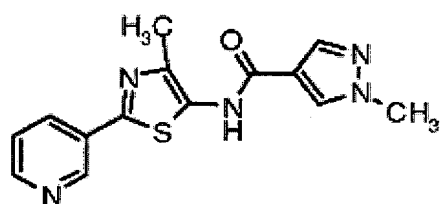
353



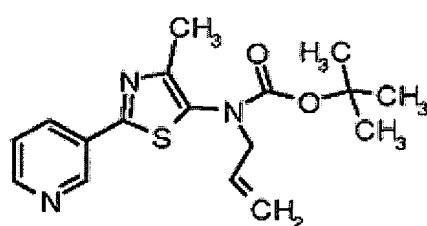
354



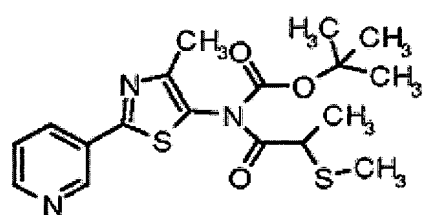
355



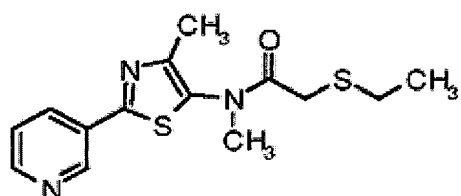
356



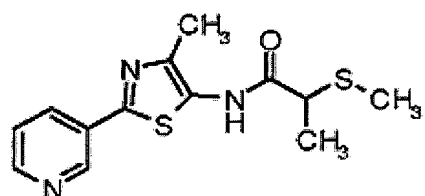
357



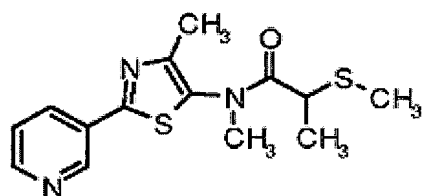
358



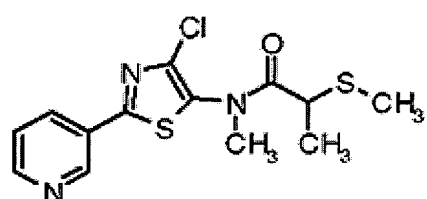
359



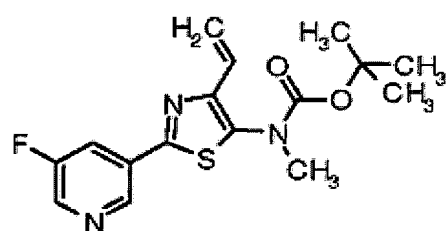
360



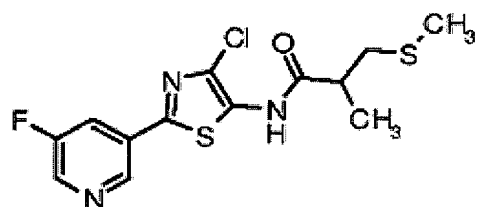
361



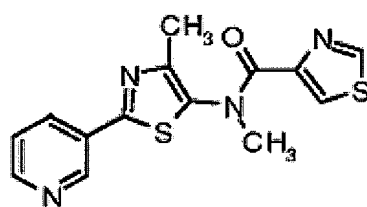
363



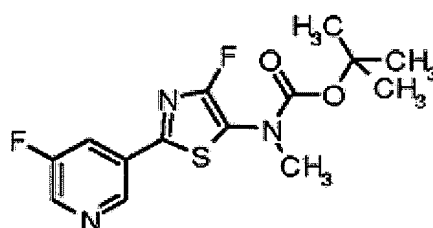
364



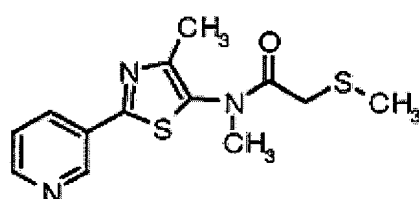
365



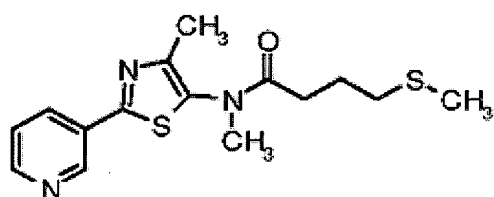
366



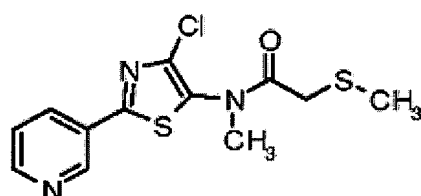
367



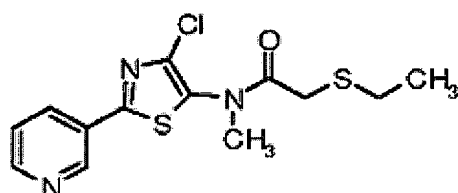
368



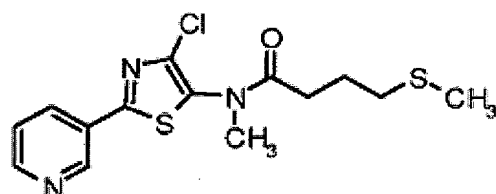
369



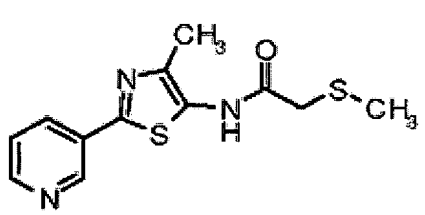
370



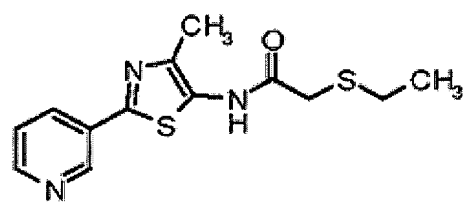
371



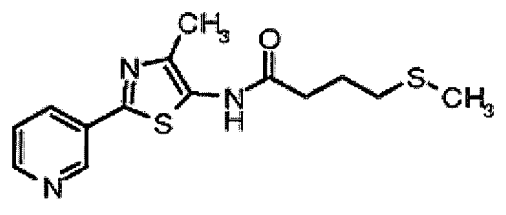
372



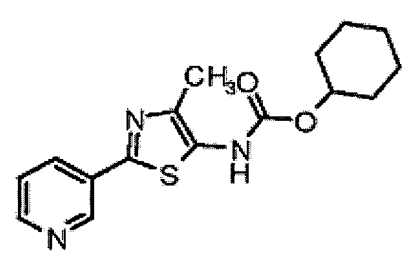
373



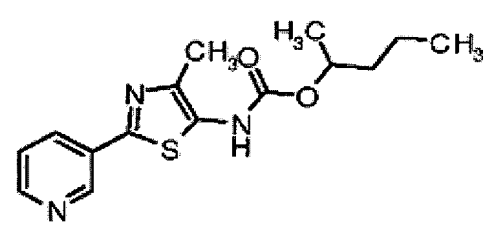
374



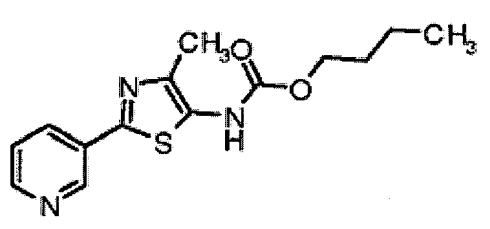
375



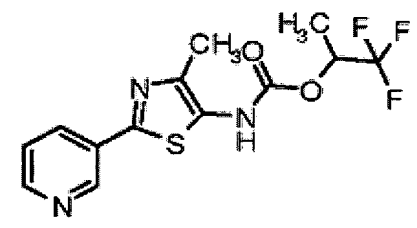
376



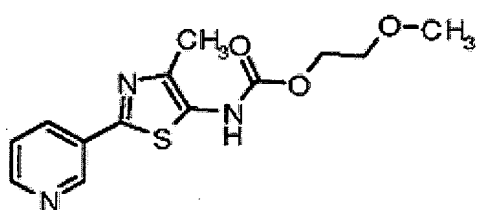
377



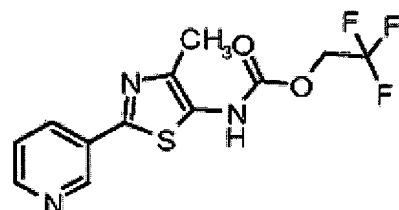
378



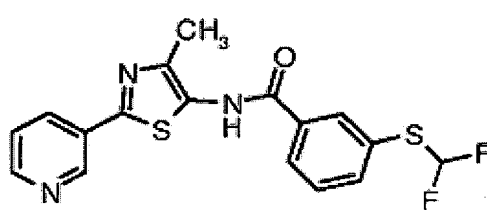
379



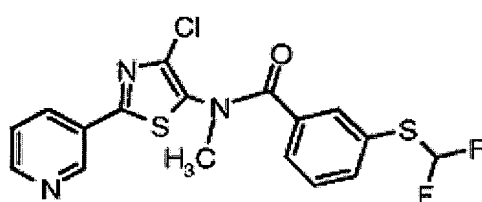
380



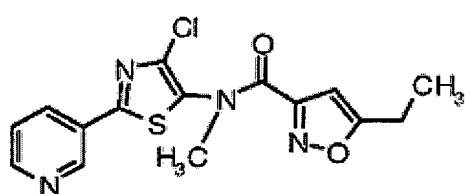
381



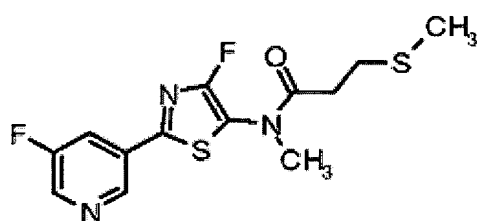
382



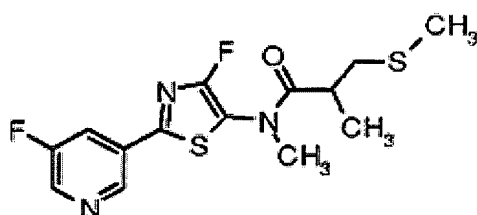
383



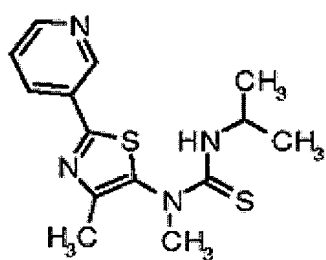
384



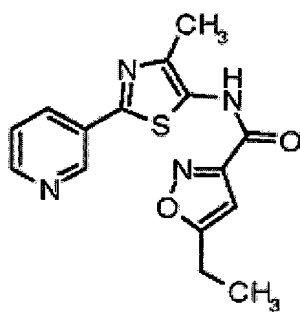
385



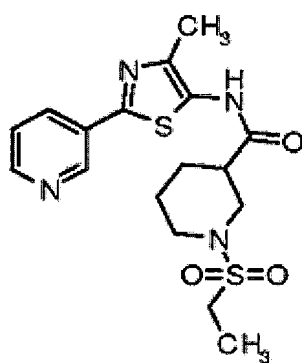
386



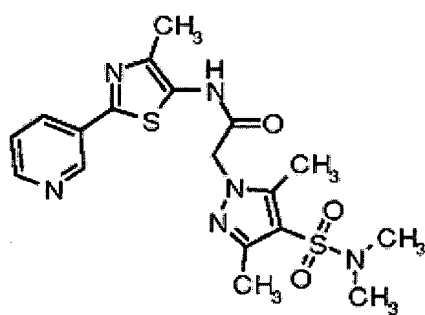
387



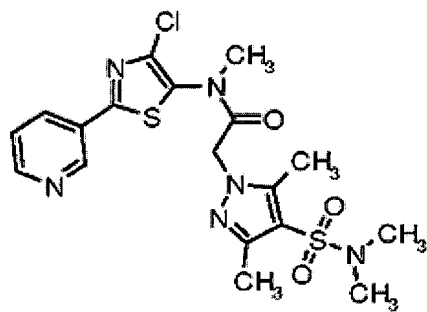
388



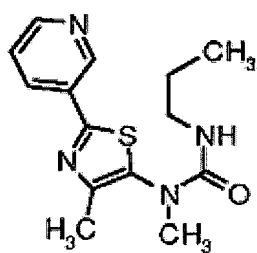
389



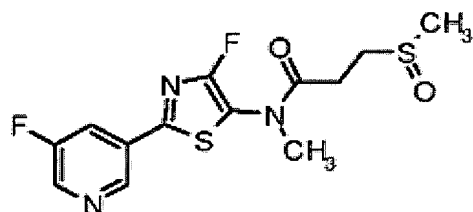
390



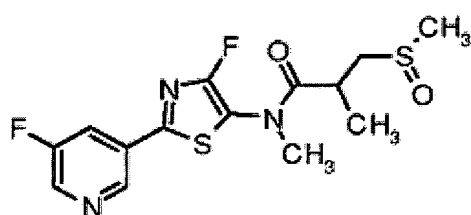
391



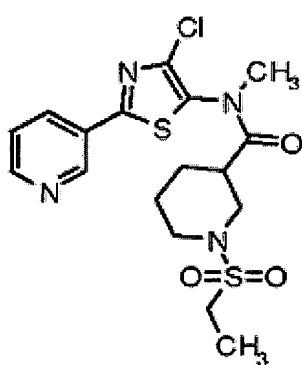
392



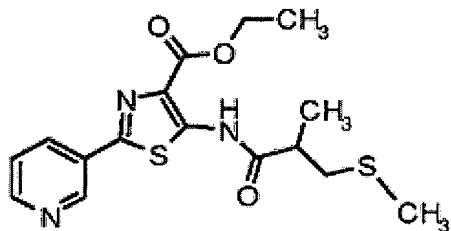
393



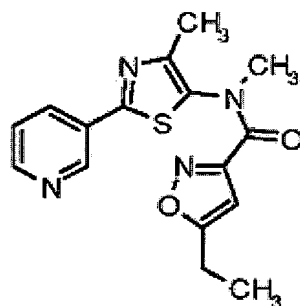
394



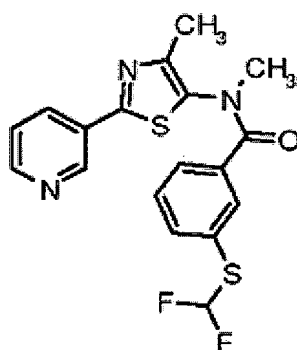
395



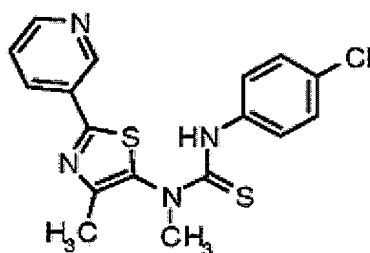
396



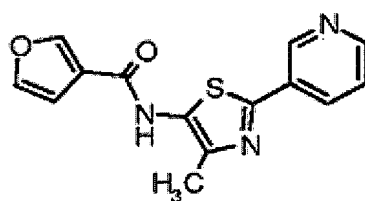
397



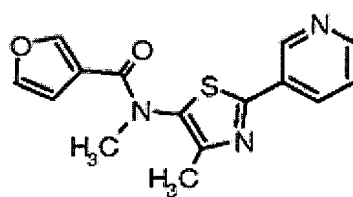
398



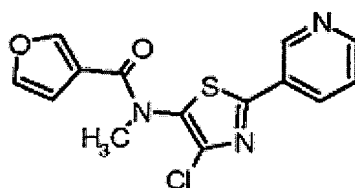
399



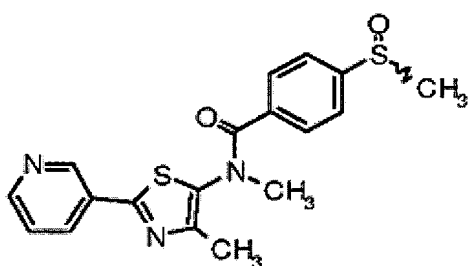
400



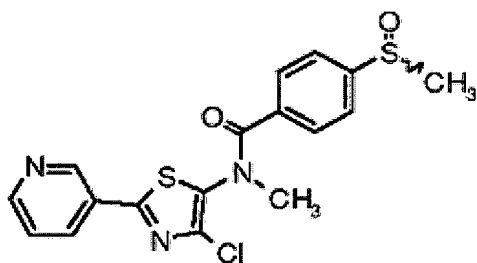
401



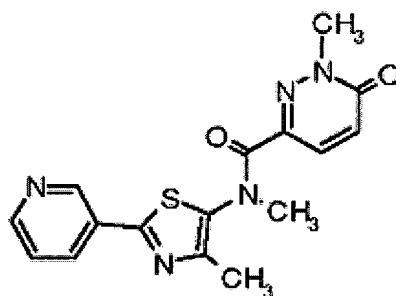
402



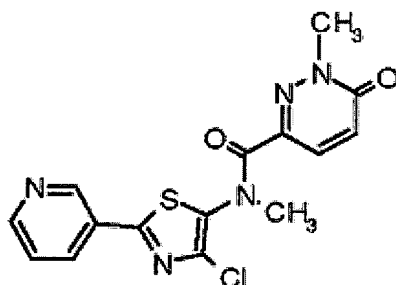
403



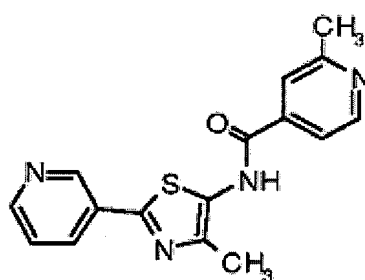
404



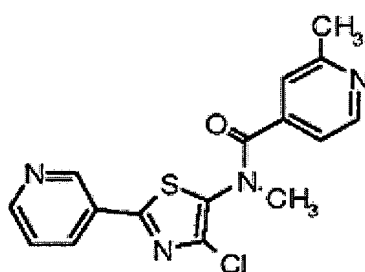
405



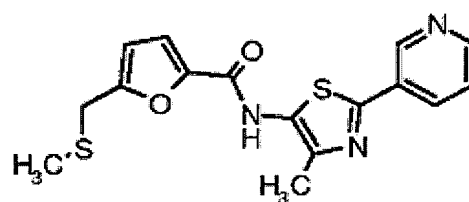
406



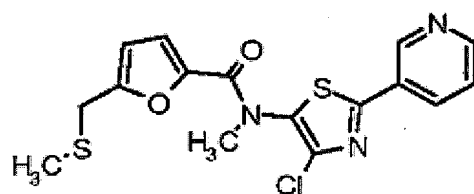
407



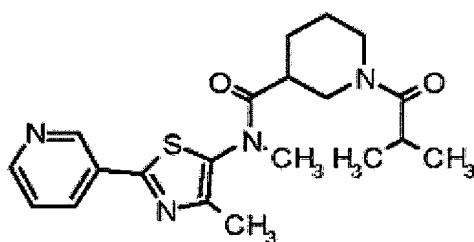
408



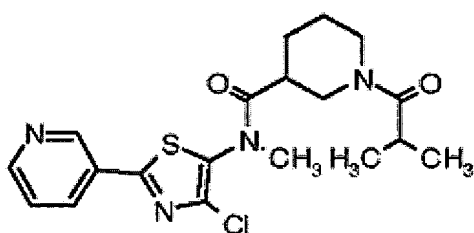
409



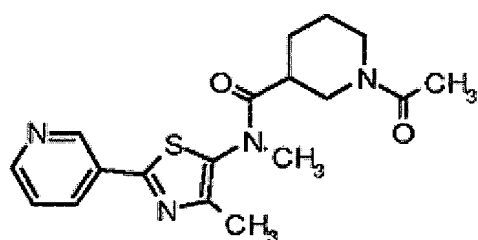
410



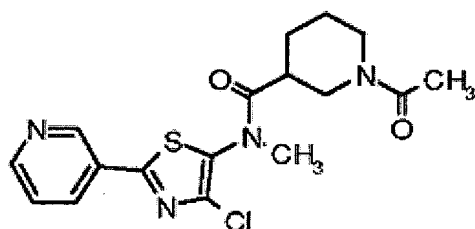
411



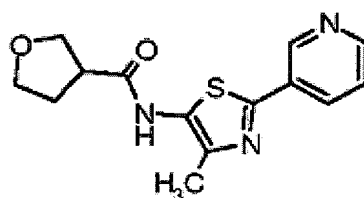
412



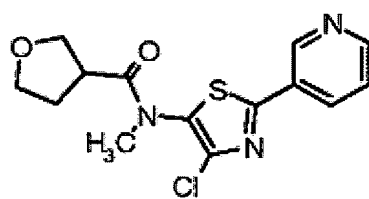
413



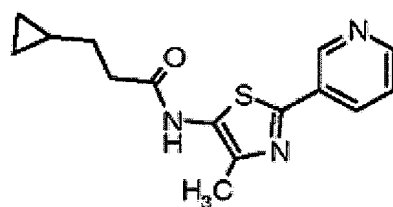
414



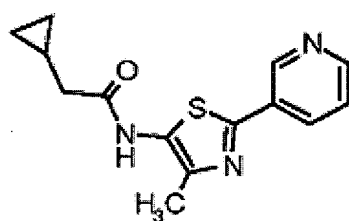
415



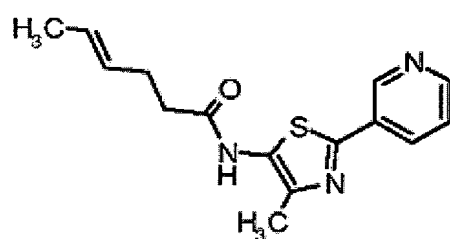
416



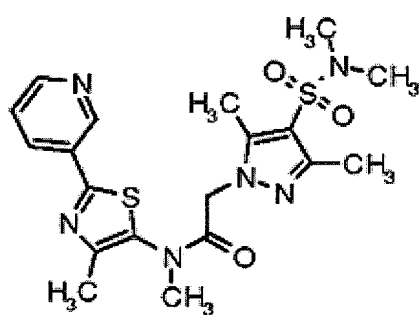
417



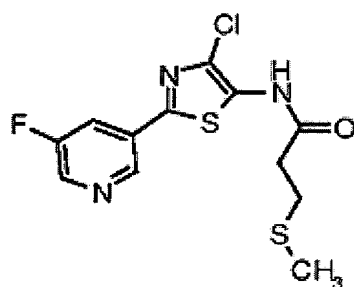
418



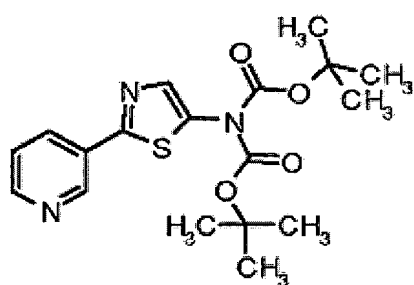
420



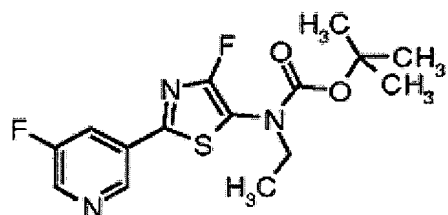
421



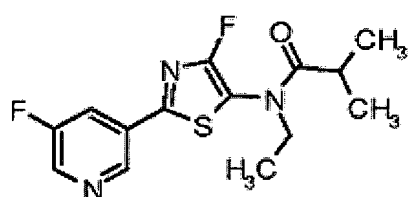
422



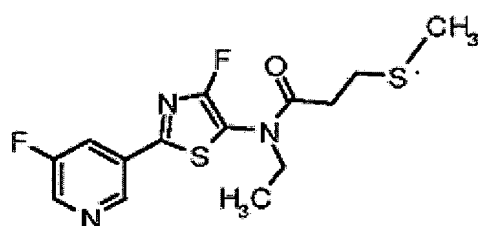
423



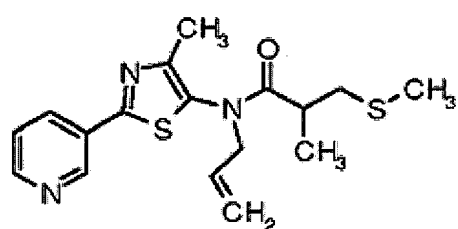
424



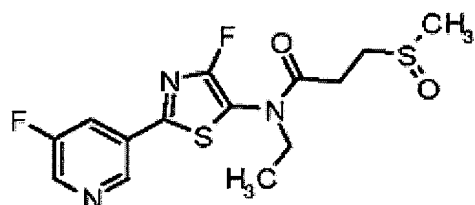
425



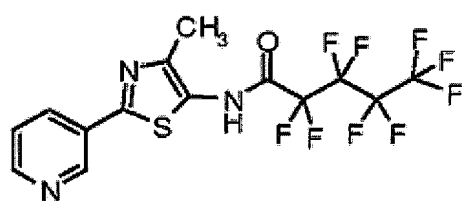
426



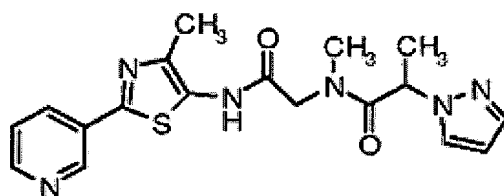
427



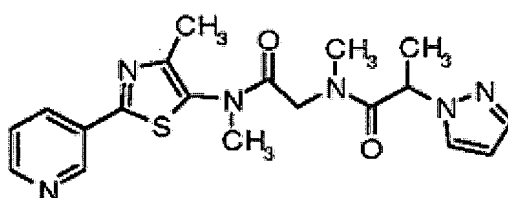
428



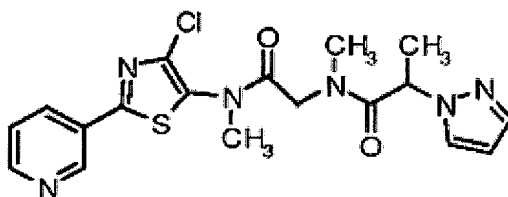
429



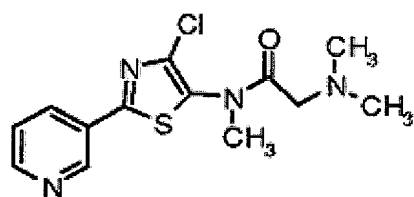
430



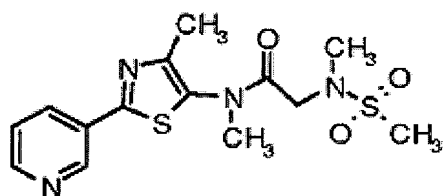
431



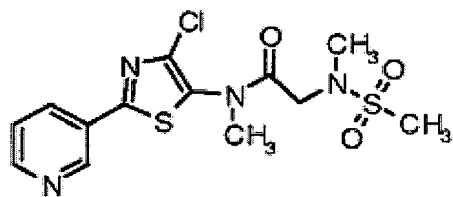
432



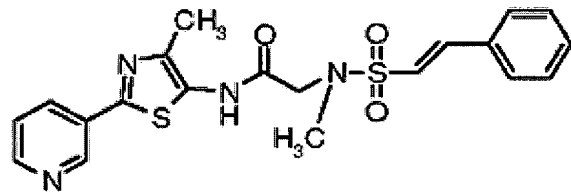
433



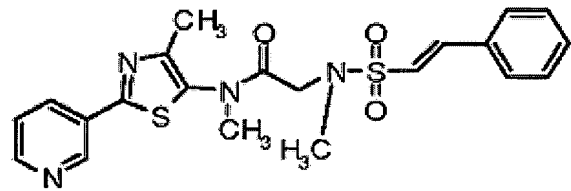
434



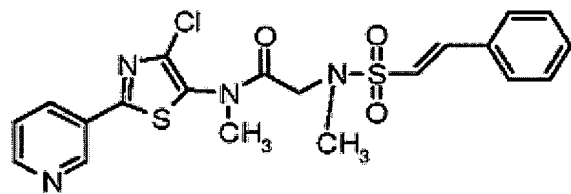
435



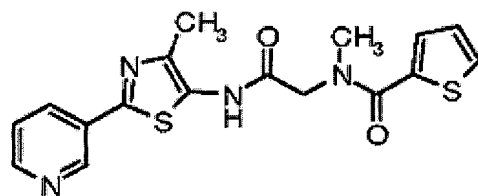
436



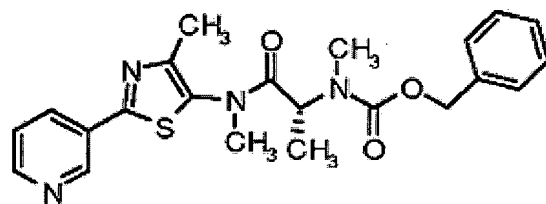
437



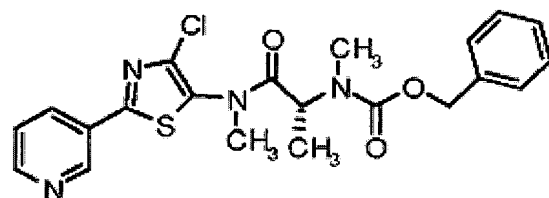
438



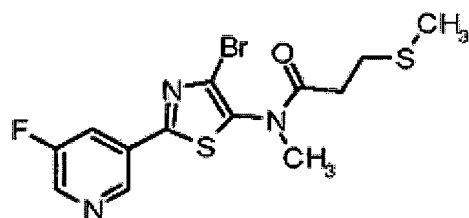
439



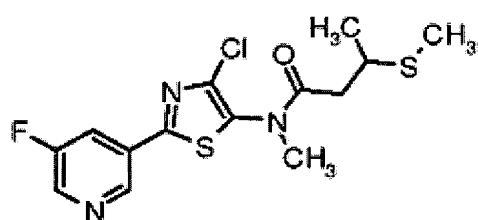
440



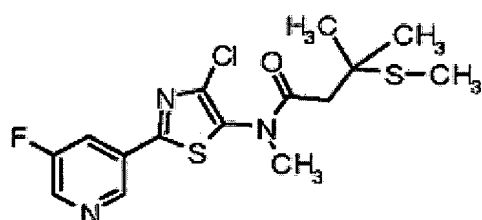
441



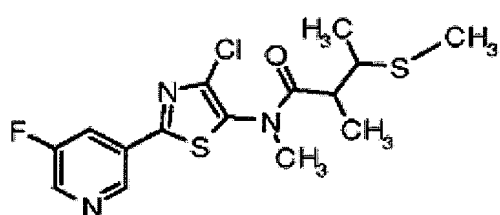
442



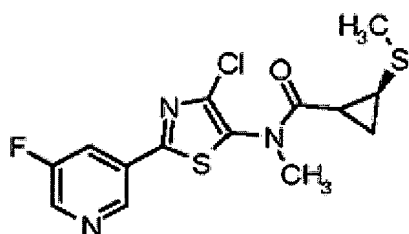
443



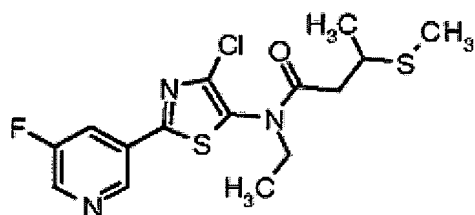
444



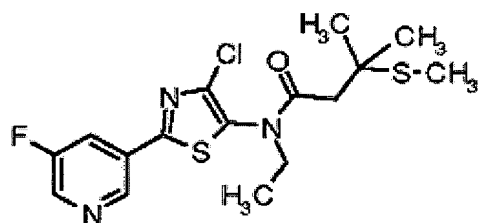
445



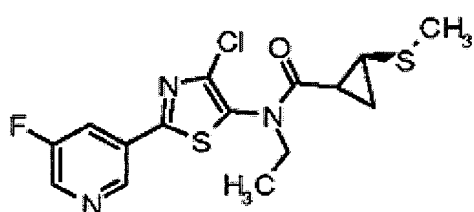
446



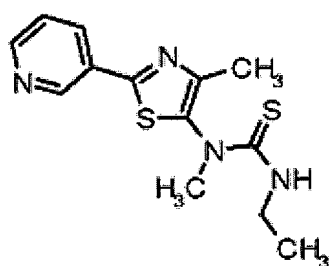
447



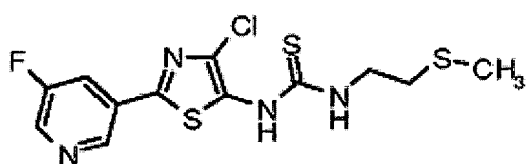
448



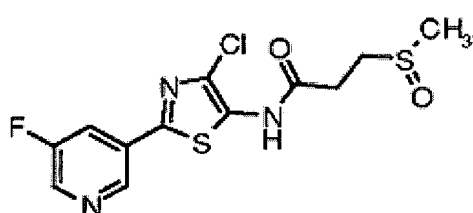
449



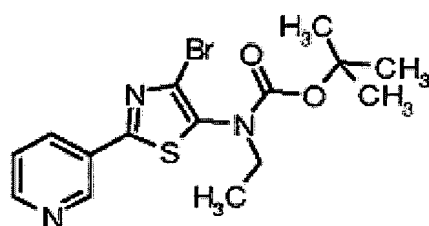
450



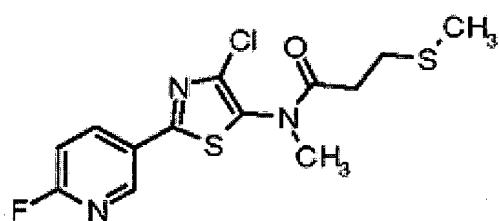
451



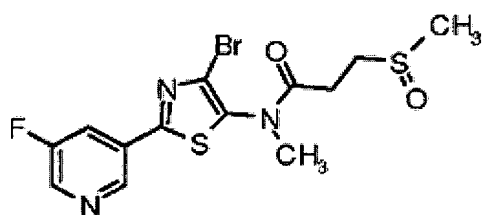
452



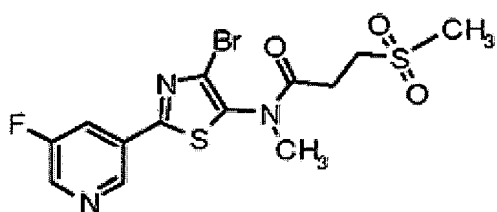
453



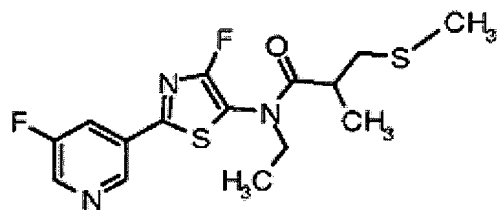
454



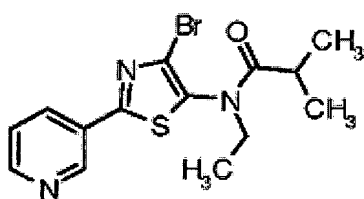
455



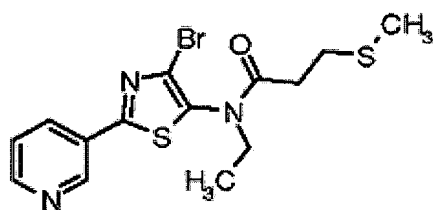
456



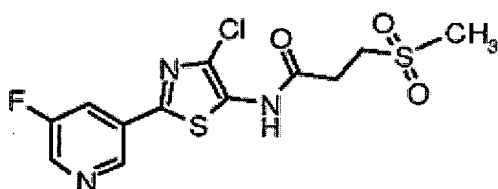
457



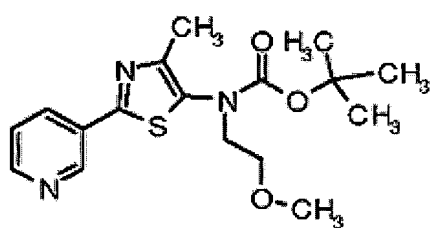
458



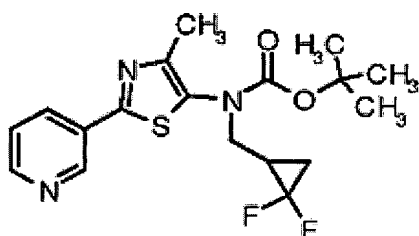
459



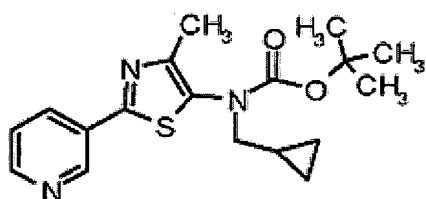
460



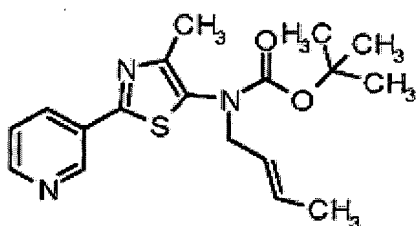
461



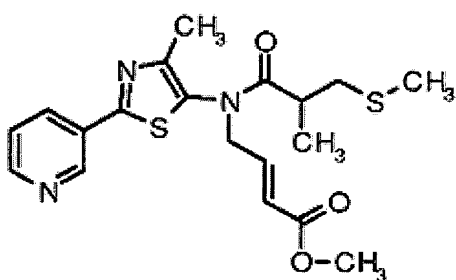
462



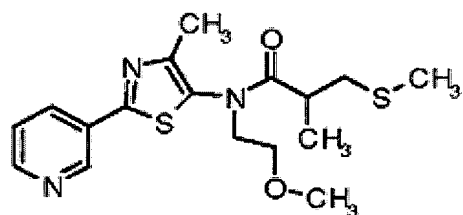
463



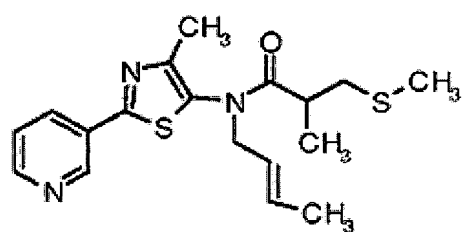
464



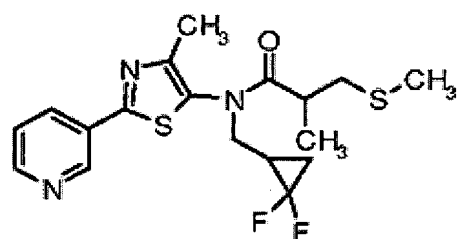
465



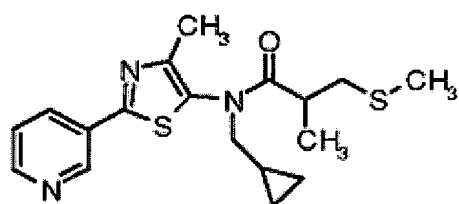
466



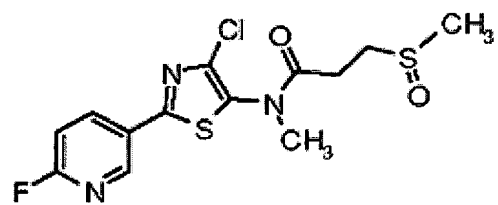
467



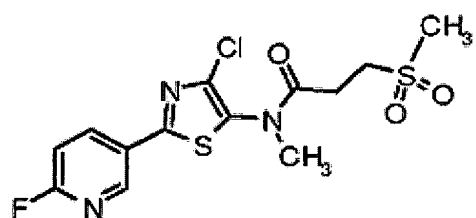
468



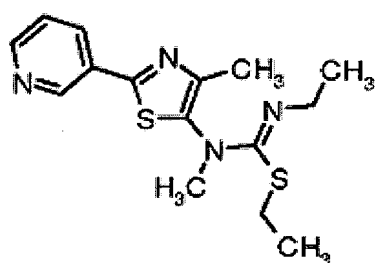
469



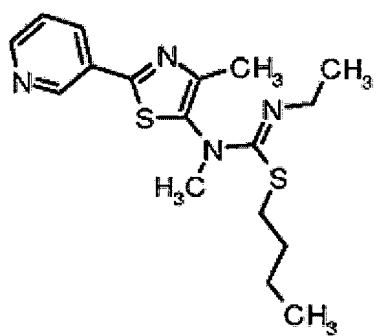
470



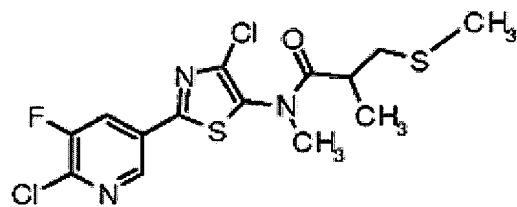
471



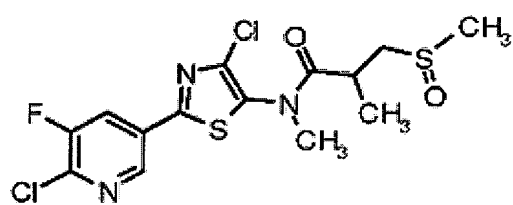
472



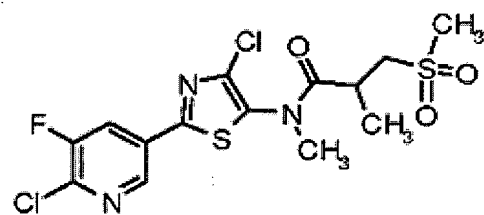
473



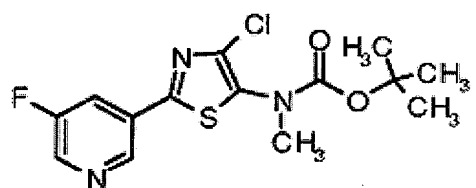
474



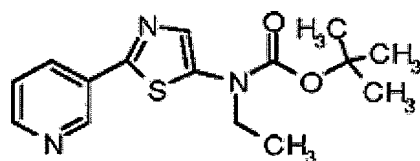
475



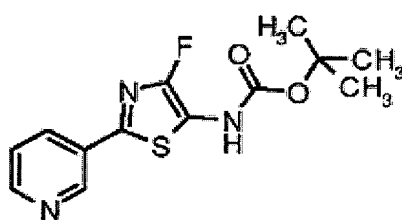
476



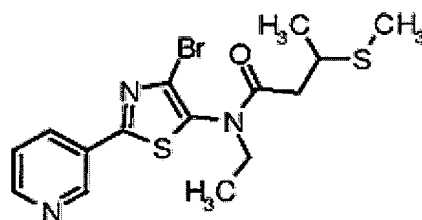
477



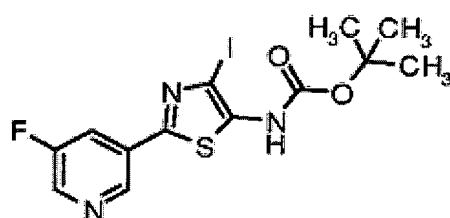
478



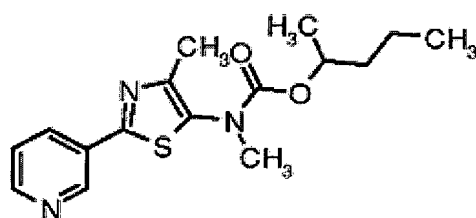
480



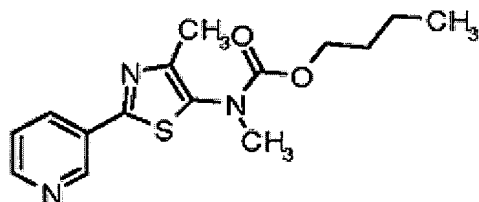
481



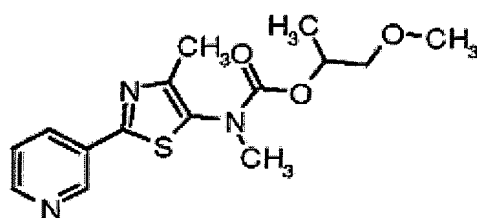
482



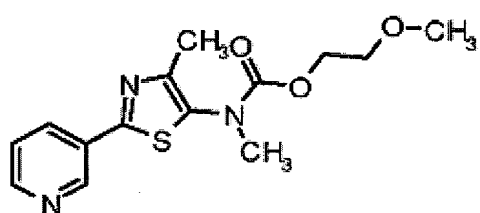
483



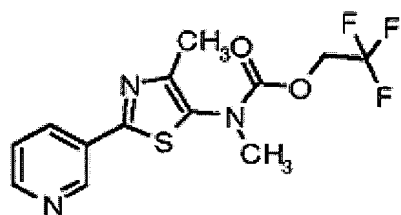
484



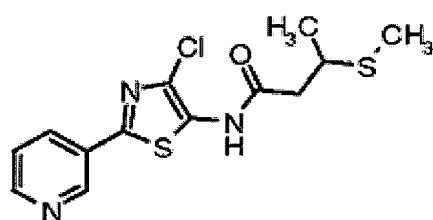
485



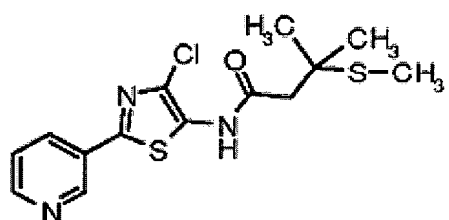
486



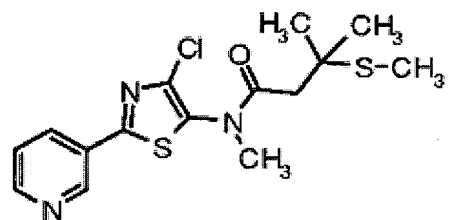
487



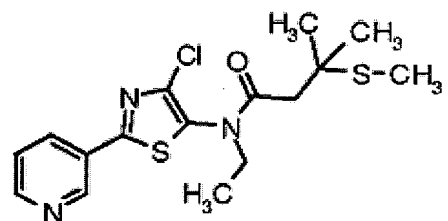
488



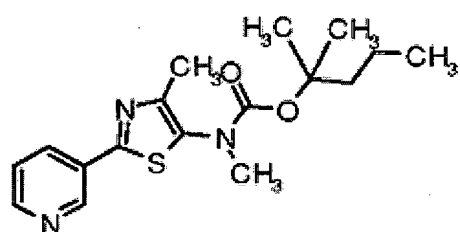
489



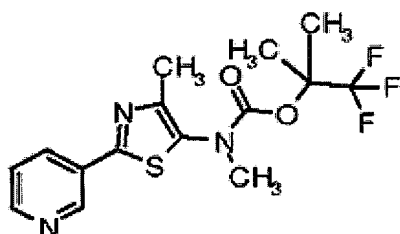
490



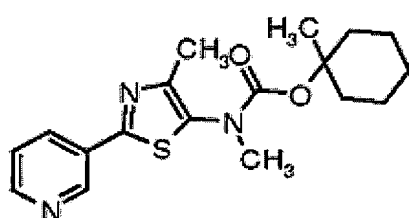
491



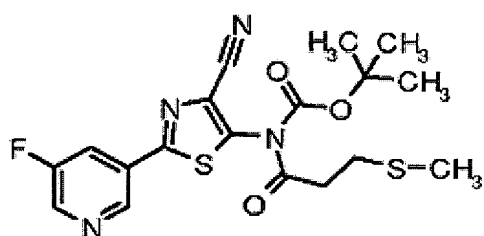
492



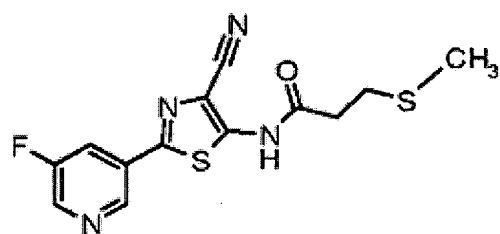
493



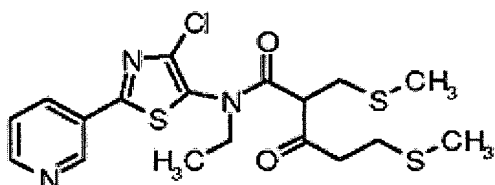
494



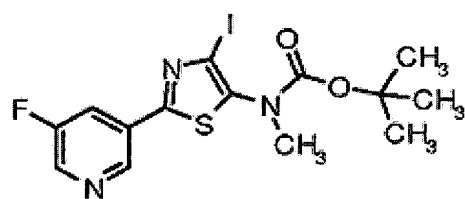
495



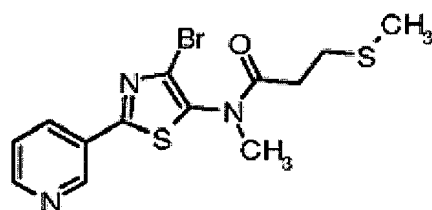
496



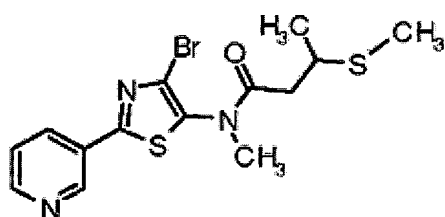
497



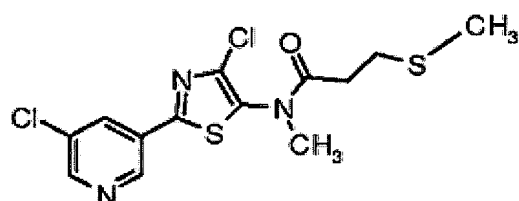
498



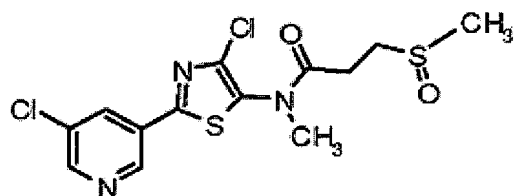
499



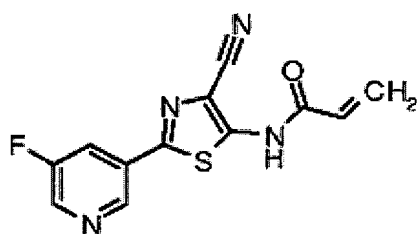
500



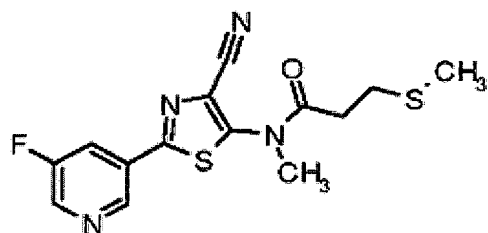
501



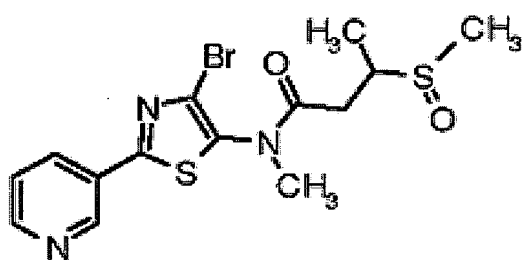
502



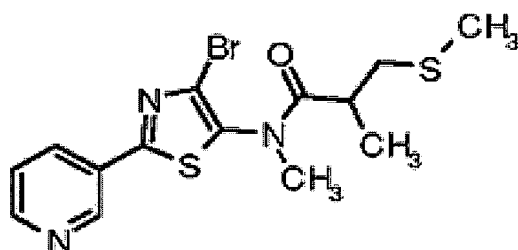
503



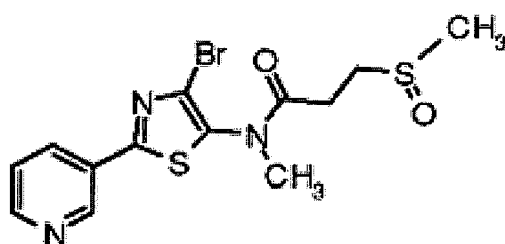
504



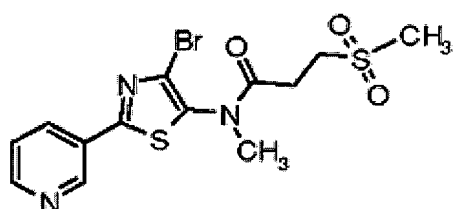
505



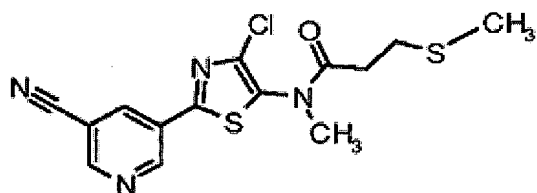
506



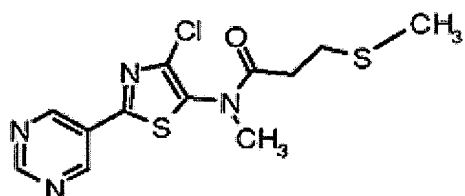
507



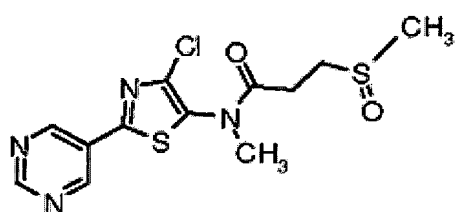
508



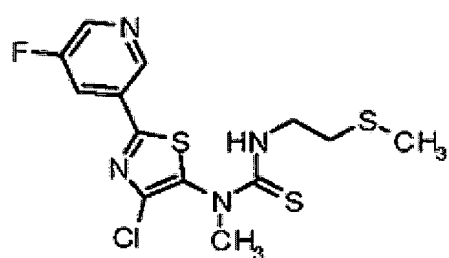
509



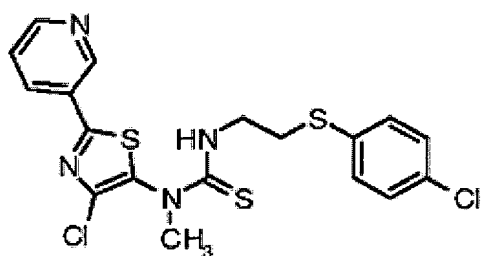
510



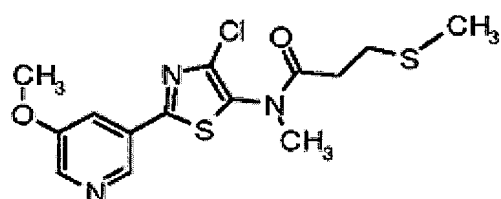
511



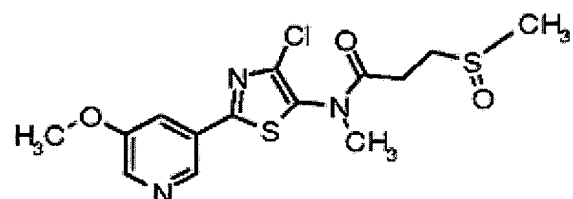
512



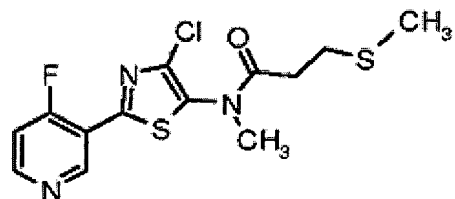
513



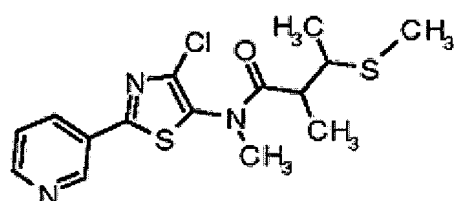
514



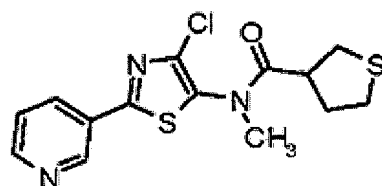
515



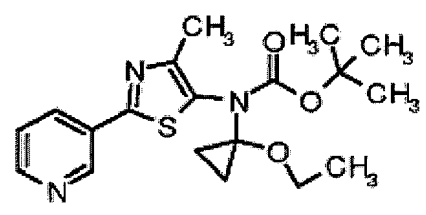
516



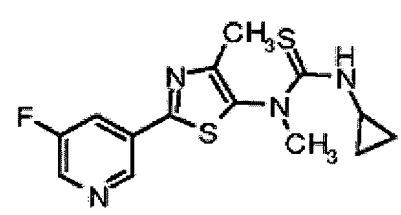
517



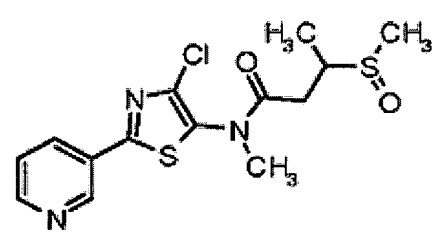
518



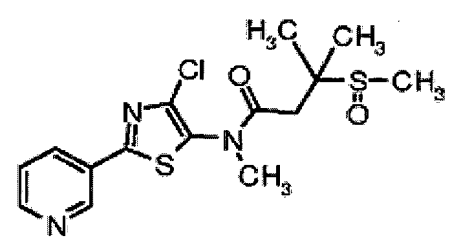
519



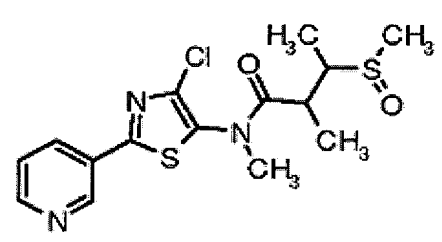
520



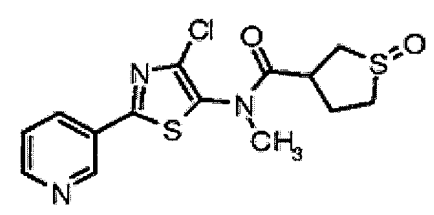
521



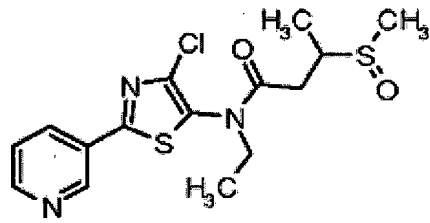
522



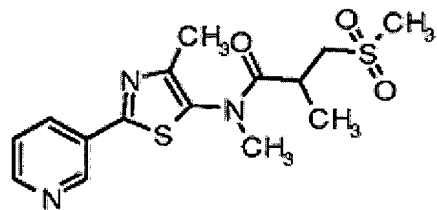
523



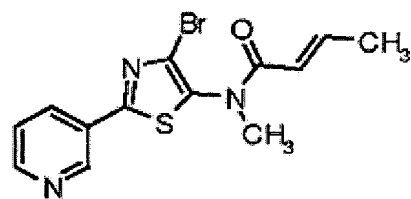
524



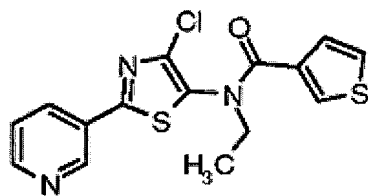
525



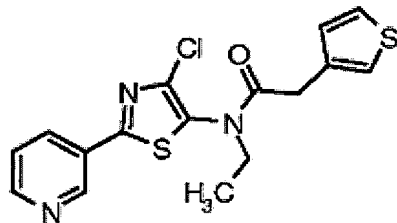
526



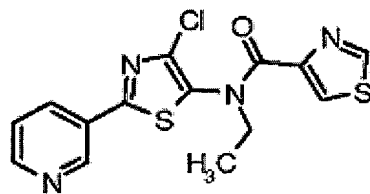
527



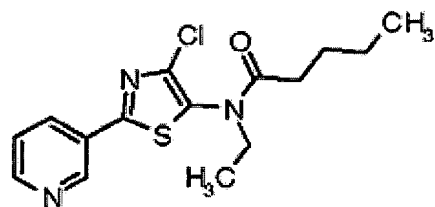
528



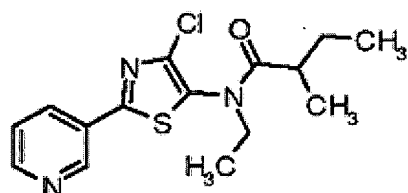
529



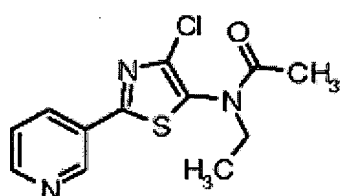
530



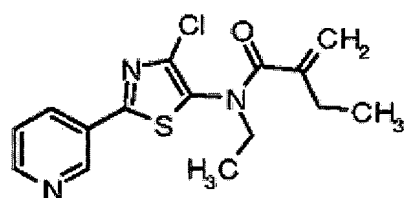
531



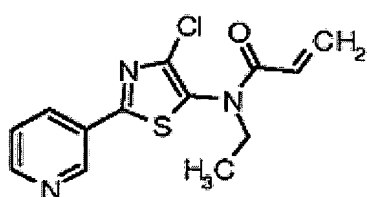
533



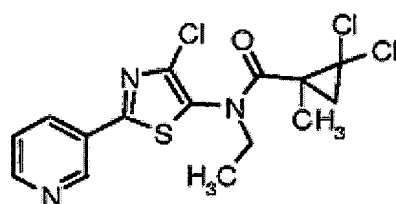
534



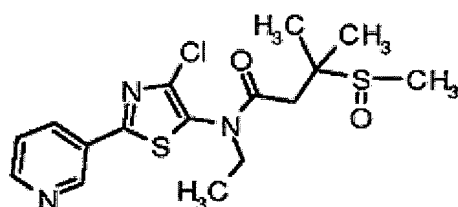
535



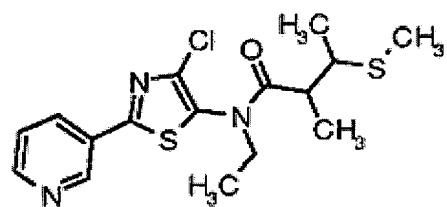
536



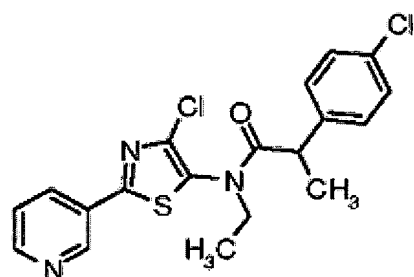
537



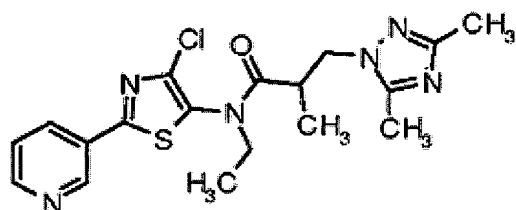
538



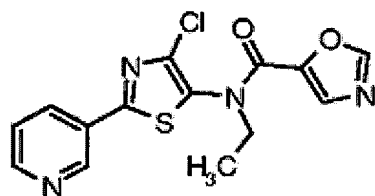
540



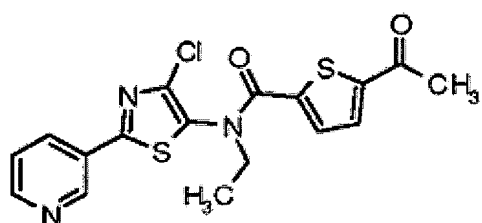
541



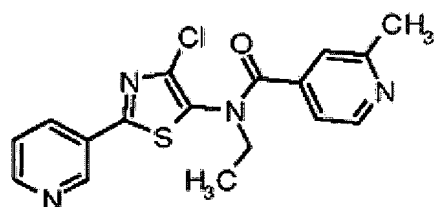
542



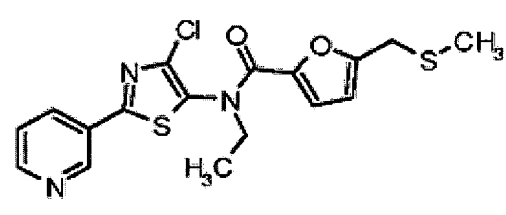
543



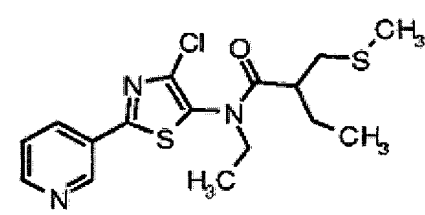
544



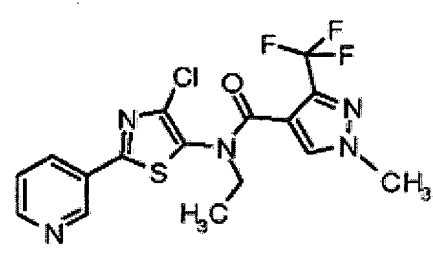
545



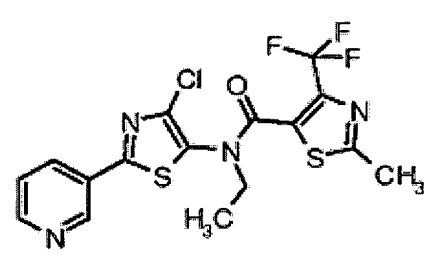
546



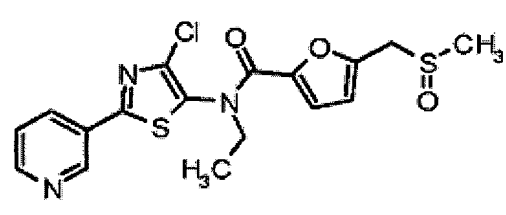
547



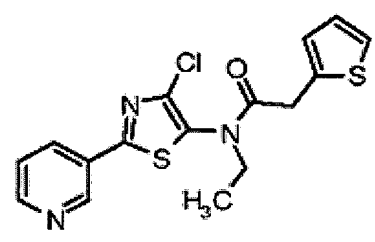
548



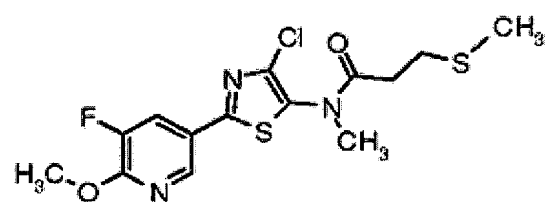
549



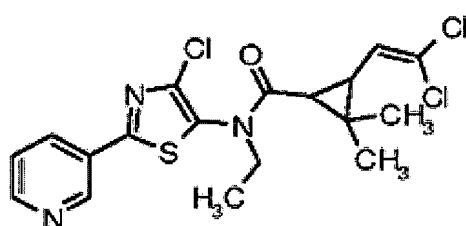
550



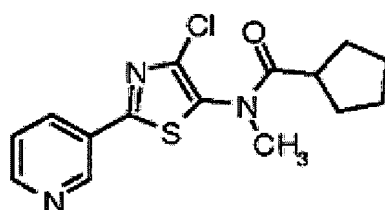
551



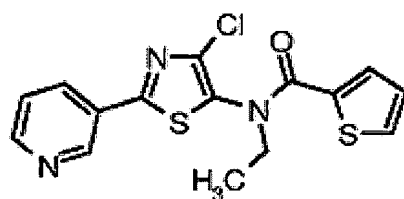
552



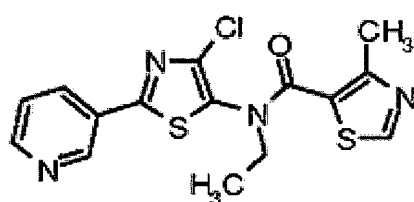
553



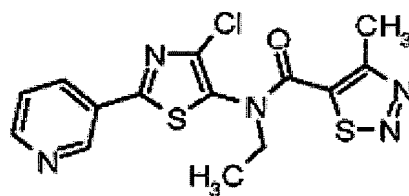
554



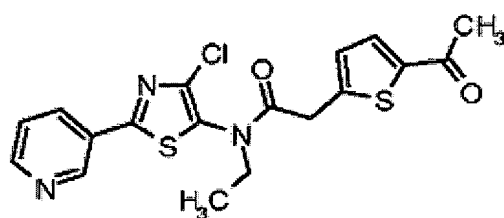
555



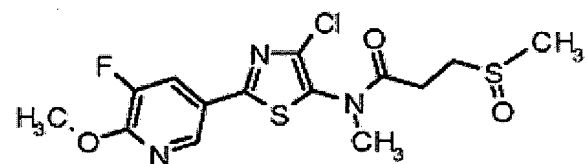
556



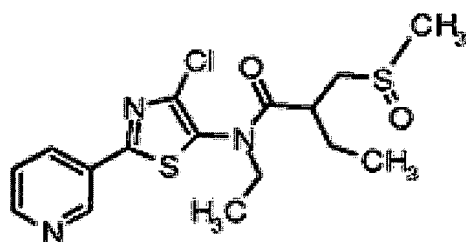
557



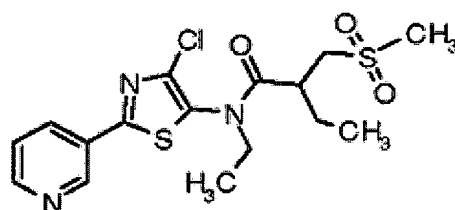
558



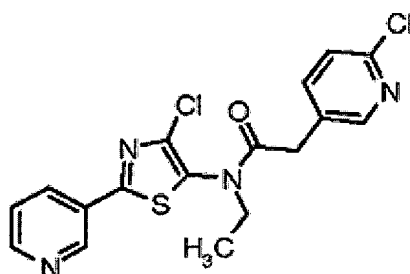
559



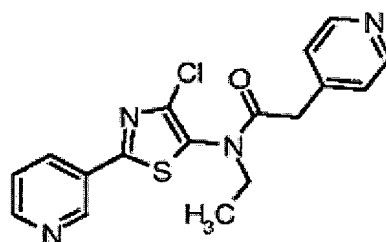
560



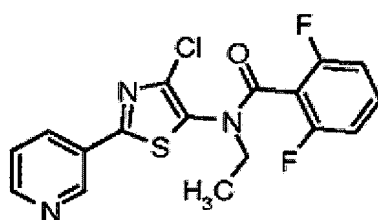
561



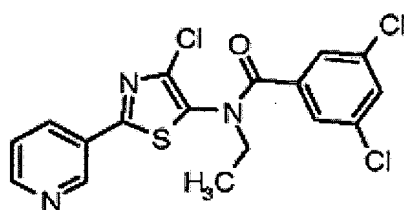
562



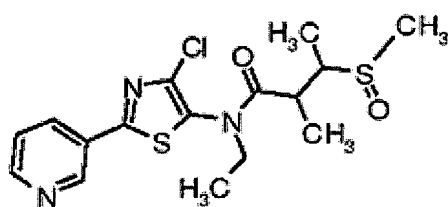
563



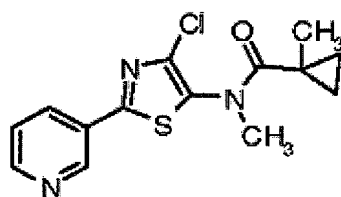
564



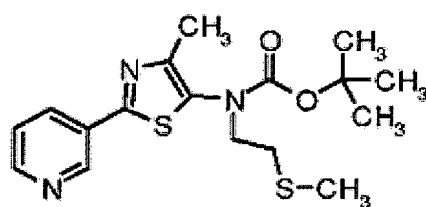
565



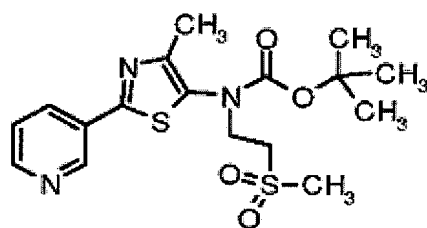
566



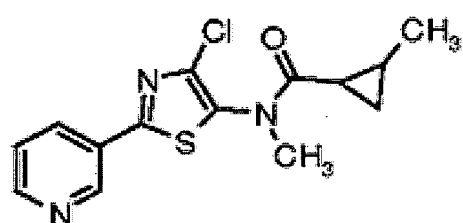
567



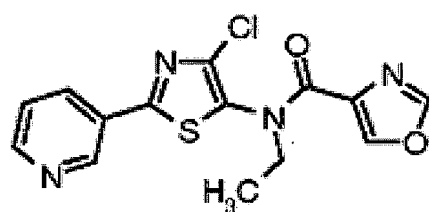
568



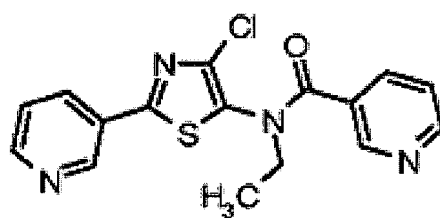
569



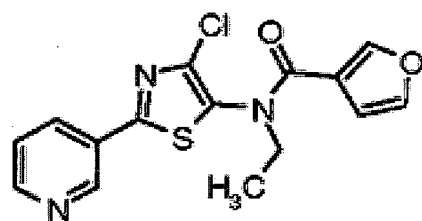
570



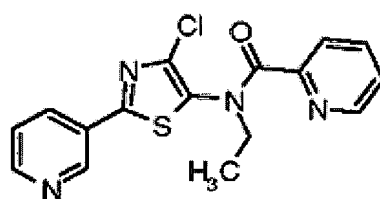
571



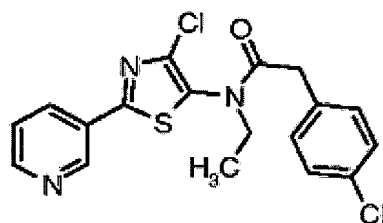
573



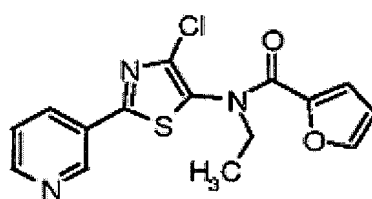
574



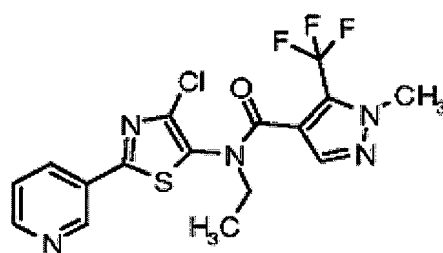
575



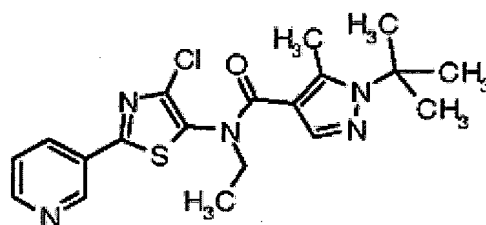
576



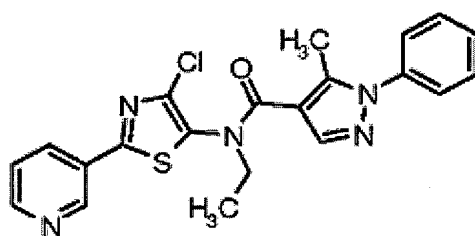
577



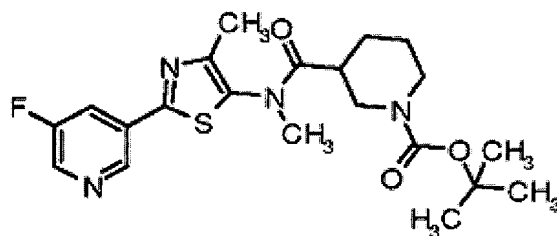
578



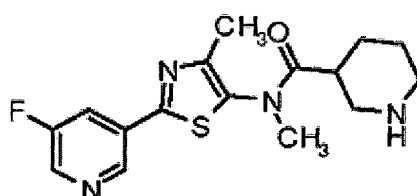
579



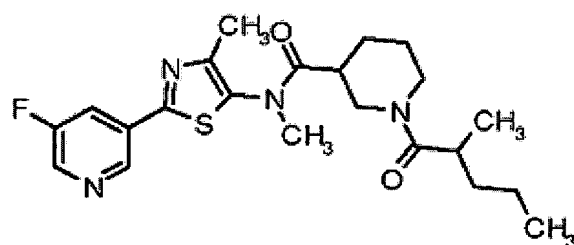
580



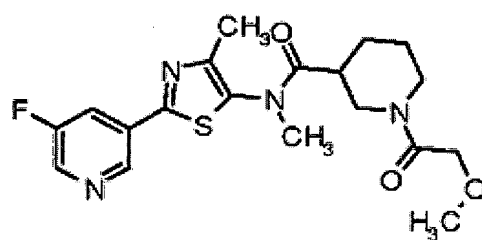
581



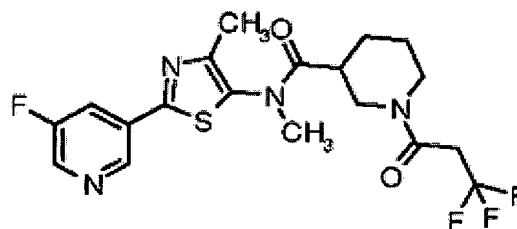
582



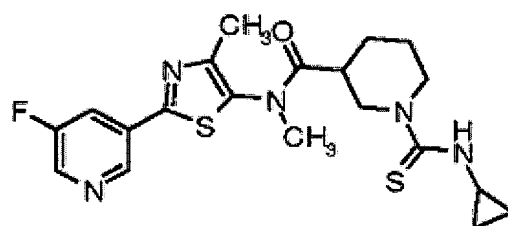
583



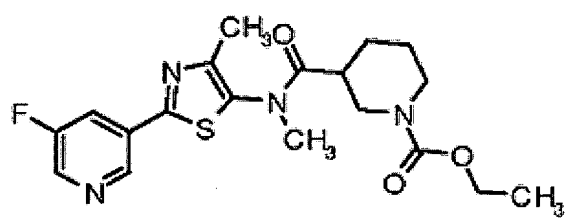
584



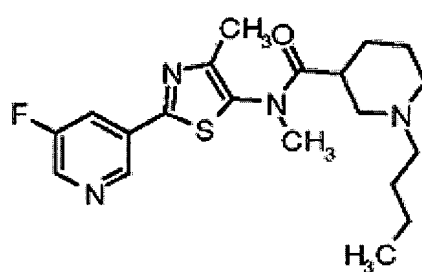
585



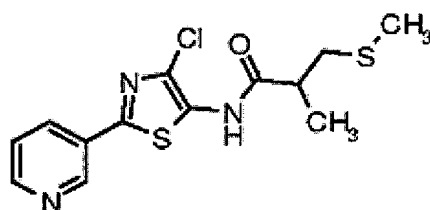
586



587



588



589

