



No. 13-253890-00000-0000

Fecha: 2013-10-25 14:56:24

Dep. 2020 DIR.NUEVASCR

Tra. 11 PATENTEIYII

Eve: 378 FASENACIONALI

Act. 411 PRESENTACION

Folios: 160



Delegatura de Propiedad Industrial
División de Nuevas Creaciones

SOLICITUD DE

**PATENTE DE INVENCION
PCT ENTRADA EN FASE NACIONAL**

21. EXPEDIENTE No. _____

54. TITULO: COMPUESTO DE AMIDA Y APLICACIÓN FARMACEUTICA
PARA EL MISMO

52. CLASIFICACION INTERNACIONAL: C07D 249/04, A61K 31/4192, A61K
31/42, A61P 1/00, A61P 17/04, A61P
19/02, A61P 25/00, A61P 37/02, A61P
43/00, C07D 261/08, C07D 413/06.

71. SOLICITANTE: JAPAN TOBACCO INC.

DOMICILIO: 2-1, Toranomon 2-chome, minato-ku, Tokyo
105-8422, JAPON

74. APODERADO: Dra. MARGARITA CASTELLANOS A.

22. BOGOTA, D.C., 25 OCT. 2013

 Industria y Comercio SUPERINTENDENCIA	SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO  No. 13-253890- -00000-0000 Fecha: 2013-10-25 14:56:24 Dep. 2020 DIR.NUEVASCR Tra. 11 PATENTEIYII Eve: 378 FASENACIONALI Act. 411 PRESENTACION Folios: 160
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DIRECCION DE NUEVAS CREACIONES
SOLICITUD FASE NACIONAL - PCT

1	(12) TIPO DE SOLICITUD	☒ Patente de Invención ☒ Capítulo I	☐ Patente de Modelo de Utilidad ☐ Capítulo II
2	DATOS SOLICITUD INTERNACIONAL PCT (86)		
Solicitud Internacional No.		PCT/JP2012/061352	Fecha 27/04/2012
Publicación Internacional No.		WO2012/147916	Fecha 01/11/2012
3	(54) TITULO DE LA INVENCION (200 caracteres o espacios máximos)		
COMPUESTO DE AMIDA Y APLICACIÓN FARMACÉUTICA PARA EL MISMO			
4	CLASIFICACION INTERNACIONAL (51) CIP		
C07D 249/04, A61K 31/4192, A61K 31/42, A61P 1/00, A61P 17/04, A61P 19/02, A61P 25/00, A61P 37/02, A61P 43/00, C07D 261/08, C07D 413/06.			
5	(71) SOLICITANTE(S) ☐ Esta persona también es inventor Para datos adicionales utilizar hoja de información adicional		
APELLIDOS O RAZON SOCIAL JAPAN TOBACCO INC.		NOMBRE	IDENTIFICACION TIPO
6	DATOS DEL SOLICITANTE		
DIRECCION CIUDAD DEPARTAMENTO/ESTADO PAIS DE RESIDENCIA		2-1, Toranomom 2-chome, Minato-ku Tokyo 105-8422 JAPON	No. TELEFONO E-MAIL NACIONALIDAD O LUGAR DE CONSTITUCION JAPON
7	(72) INVENTOR(ES) Para datos adicionales utilizar hoja de información adicional		
APELLIDOS		NOMBRES	NACIONALIDAD
1. MAEBA	TAKAKI	JAPONESA	
2. MAEDA	KATSUYA	JAPONESA	
3. KOTOKU	MASAYUKI	JAPONESA	
4. HIRATA	KAZUYUKI	JAPONESA	
5. SEKI	NORIYOSHI	JAPONESA	
DIRECCION DE CORREO ELECTRONICO:			
8	DATOS INVENTOR(ES)		
PAIS RESIDENCIA	DEPARTAMENTO/ESTADO	CIUDAD	DIRECCION
1. JAPON		Osaka 569-1125	c/o Central Pharmaceutical Research Insitute of Japan Tobacco Inc., 1-1, Murasaki-cho, Takatsuki-shi
2. JAPON		Osaka 569-1125	c/o Central Pharmaceutical Research Insitute of Japan Tobacco Inc., 1-1, Murasaki-cho, Takatsuki-shi
3. JAPON		Osaka 569-1125	c/o Central Pharmaceutical Research Insitute of Japan Tobacco Inc., 1-1, Murasaki-cho, Takatsuki-shi
4. JAPON		Osaka 569-1125	c/o Central Pharmaceutical Research Insitute of Japan Tobacco Inc., 1-1, Murasaki-cho, Takatsuki-shi
5. JAPON		Osaka 569-1125	c/o Central Pharmaceutical Research Insitute of Japan Tobacco Inc., 1-1, Murasaki-cho, Takatsuki-shi
OTRO(S) SOLICITANTE(S) Y/U OTRO(S) INVENTOR(ES)			
☐ Los demás solicitantes y/o demás inventores se indican en una hoja a continuación			
9	(74) ☐ REPRESENTANTE ☒ APODERADO		
APELLIDOS CASTELLANOS ABONDANO		NOMBRES MARGARITA	IDENTIFICACION C.C. 39.779.654 T.P. 70.819
DIRECCION Calle 94A No. 7A-09		No. TELEFONO 7560770	
CIUDAD BOGOTA		E-MAIL castellanos@castellanosyco.co	
PAIS COLOMBIA		No. DE PROTOCOLO EN LA OFICINA	

10	(30) DECLARACIONES DE PRIORIDAD ☒ SI ☐ NO			
1.	(33) PAIS DE ORIGEN	CODIGO PAIS	(31) NUMERO	
2.	JAPON	JP	2011-100331	
3.	ESTADOS UNIDOS DE AMERICA	US	61/482418	
			(32) FECHA (AAA/MM/DD)	
			2011/04/28	
			2011/05/04	
11	DECLARACION SOBRE USO DE RECURSOS GENETICOS O BIOLOGICOS			
Declaro que el objeto de la presente solicitud de patente fue obtenido a partir de recursos genéticos o biológicos de los que cualquiera de los países miembros de la Comunidad Andina es país de origen. ☐ SI ☒ NO NOTA: En caso afirmativo deberá anexar copia del contrato de acceso de recursos genéticos o productos derivados, o certificado o número de registro expedido por la Autoridad competente.				
12	DECLARACION SOBRE USO DE CONOCIMIENTOS TRADICIONALES			
Declaro que el objeto de la presente solicitud de patente fue obtenido a partir de conocimientos tradicionales de comunidades indígenas, afroamericanas o locales de países miembros de la Comunidad Andina. ☐ SI ☒ NO NOTA: En caso afirmativo deberá anexar la licencia o autorización de uso de conocimiento tradicional, o certificado, o número de registro expedido por la Autoridad competente.				
13	REDUCCION DE TASAS			
Declaro que carezco de medios económicos para presentar la solicitud de patente ☐ SI ☒ NO NOTA: En caso de ser persona natural y carecer de medios económicos, y por lo tanto, aplique la reducción de tasas a que se refiere la resolución vigente en tarifas, debe firmar la presente solicitud bajo la gravedad de juramento.				
Micro, pequeñas y medianas empresas		Universidades públicas o privadas		
Copia simple de la declaración de renta del año inmediatamente anterior, o en su defecto prueba documental idónea. Documento de constancia de cumplimiento con lo establecido en la ley 905 de 2004.		Copia acto de reconocimiento institucional emitido por el Ministerio de Educación. Acreditación Colciencias.		
		Entidades sin animo de lucro		
		Copia de registro vigente en Cámara de Comercio.		
		Hoja de información complementaria.		
		Otros, especificar.		
14	AUTORIZACION DE NOTIFICACION EN LINEA ☐ SI ☒ NO			
Manifiesto que he leído y entendido perfectamente los términos y condiciones de uso de medios electrónicos para las notificaciones en línea a través de Internet de los actos administrativos proferidos por la Superintendencia de Industria y Comercio que deber ser notificados personalmente y, en consecuencia, autorizo el servicio de notificación a través de internet.				
14	COMPROBANTE DE PAGO O PAGO ELECTRONICO	N° 13-104806, 13-104808	Fecha: Octubre 16, 2013	
15	FIRMA DEL SOLICITANTE, DEL APODERADO O DEL REPRESENTANTE LEGAL			
Junto a cada firma, indicar el nombre del firmante y su calidad (si tal calidad no es obvia al leer el petitorio)				
 MARGARITA CASTELLANOS ABONDANO - APODERADO 25 OCT. 2013				
16	ORDEN Y RELACION DE DOCUMENTOS QUE ACOMPAÑAN LA SOLICITUD			
Documentación Técnica		Documentación Jurídica		
Solicitud Internacional en Castellano				
1.	☒ Descripción	N° de folios: 314	9.	☒ Poderes, si fuera el caso.
2.	☒ Reivindicaciones	N° de reivindicaciones: 23	10.	☐ Documento que legalmente pruebe la cesión del inventor al solicitante o a su causante.
3.	☒ Dibujos y/o figuras	N° de folios: 48	11.	☐ Copia del contrato de acceso de recursos genéticos o productos derivados, certificado o número de registro, si fuera el caso.
4.	☒ Resumen		12.	☐ Copia de la licencia o autorización de Conocimientos Tradicionales, certificado o número de registro, si fuera el caso.
5.	☐ Certificado de depósito de material biológico si fuera el caso.		13.	☐ Documento que acredita la existencia y representación legal, cuando el solicitante es persona jurídica.
6.	☐ Listado de secuencias de nucleótidos y/o aminoácidos en forma digital si fuera el caso.		14.	☒ Comprobante de pago de la tasa de presentación de la solicitud.
7.	☒ Arte final 12 x 12		15.	☐ Comprobante de pago por reivindicación de prioridad
8.	☒ Anexo formato digital.		16.	☐ Comprobante de pago de la tasa por concepto de excedente de palabras en la publicación.
CD QUE CONTIENE LOS SIGUIENTES DOCUMENTOS: * TEXTO EN ESPAÑOL DESCRIPCION, REIVINDICACIONES, RESUMEN Y DIBUJOS * TEXTO DE LA PUBLICACION INTERNACIONAL EN INGLES		17.		☒ Comprobante de pago por reivindicación adicional a 10.

3

1	(12) TIPO DE SOLICITUD		NUMERO DE RADICACION	
☒ Patente de Invención		FECHA DE PRESENTACION		
☐ Patente de Modelo de Utilidad				
4	(71) SOLICITANTE(S)			
2. 3. 4.	APELLIDOS O RAZON SOCIAL		NOMBRE	IDENTIFICACION TIPO
5	DATOS DEL SOLICITANTE			
PAIS DE RESIDENCIA 2. 3. 4.		DEPARTAMENTO/ESTADO	CIUDAD	DIRECCION
TELEFONO 2. 3. 4.		FAX	E-MAIL	NACIONALIDAD
6	(72) INVENTOR(ES)			
6. 7. 8. 9. 10. 11. 12.	APELLIDOS YAMANAKA SAKAI HIRASHIMA OBIKA SHIOZAKI YOKOTA		NOMBRE HIROSHI TAKAYUKI SHINTARO SHINGO MAKOTO MASAHIRO	NACIONALIDAD JAPONESA JAPONESA JAPONESA JAPONESA JAPONESA JAPONESA
7	DATOS INVENTOR(ES)			
6. 7. 8. 9. 10. 11. 12.	DIRECCION c/o Central Pharmaceutical Research Insitute of Japan Tobacco Inc., 1-1, Murasaki-cho, Takatsuki-shi c/o Central Pharmaceutical Research Insitute of Japan Tobacco Inc., 1-1, Murasaki-cho, Takatsuki-shi c/o Central Pharmaceutical Research Insitute of Japan Tobacco Inc., 1-1, Murasaki-cho, Takatsuki-shi c/o Central Pharmaceutical Research Insitute of Japan Tobacco Inc., 1-1, Murasaki-cho, Takatsuki-shi c/o Central Pharmaceutical Research Insitute of Japan Tobacco Inc., 1-1, Murasaki-cho, Takatsuki-shi c/o Central Pharmaceutical Research Insitute of Japan Tobacco Inc., 1-1, Murasaki-cho, Takatsuki-shi c/o Central Pharmaceutical Research Insitute of Japan Tobacco Inc., 1-1, Murasaki-cho, Takatsuki-shi		CIUDAD Osaka 569-1125 Osaka 569-1125 Osaka 569-1125 Osaka 569-1125 Osaka 569-1125 Osaka 569-1125	DEPARTAMENTO/ESTADO PAIS RESIDENCIA JAPON JAPON JAPON JAPON JAPON JAPON
9	(30) DECLARACIONES DE PRIORIDAD			
4. 5. 6. 7. 8. 9. 10.	(33) PAIS DE ORIGEN	CODIGO PAIS	(31) NUMERO	(32) FECHA (AAA/MM/DD)

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO
NIT : 800.176.089-2
- / -

 Industria y Comercio SUPERINTENDENCIA	RECIBO DE CAJA	No. 13 - 104806
		Bogotá D.C., Octubre 16 de 2013 - 15:20:30

RECIBIDO DE : CASTELLANOS Y Y CO					NI 800.174.641
*** Soporte del Pago ***					
TIPO PAGO	BANCO	CUENTA	No. PAGO	FECHA PAGO	VR. PAGO
CONSIGNACION	BANCO DE BOGOTA	062754387	542730031	15/10/2013	3.735.000.00

*** Conceptos Pagados ***				
CANT.	RENTISTICO	CONCEPTO	Vr. UNIDITARIO	Vr. CONCEPTO
1	50005-01-01 SOLICITUDES	1 TRAMITES DE SOL. DE PATENTE DE INVENCIÓN	500.000.00	500.000.00
				<u>\$500.000.00</u>

SON: **QUINIENTOS MIL PESOS MONEDA CORRIENTE**

Responsable: _____

Recibo de Caja Aplicado al Expediente No. _____

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO

No. 13-253890- -00000-0000
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Tra. 11 PATENTEIYII Eve: 378 FASENACIONALI
Act. 411 PRESENTACION Folios: 160

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO
NIT : 800.176.089-2
- / -

 Industria y Comercio SUPERINTENDENCIA	RECIBO DE CAJA	No. 13 - 104808
		Bogotá D.C., Octubre 16 de 2013 - 15:20:30

RECIBIDO DE : CASTELLANOS Y Y CO					NI 800.174.641
*** Soporte del Pago ***					
TIPO PAGO	BANCO	CUENTA	No. PAGO	FECHA PAGO	VR PAGO
CONSIGNACION	BANCO DE BOGOTA	062754387	542730031	15/10/2013	3.735.000.00

*** Conceptos Pagados ***				
CANT.	RENTISTICO	CONCEPTO	Vr.UNDITARIO	Vr.CONCEPTO
13	50005-01-01 SOLICITUDES	1607 REIVINDICACION PATENTE UNITARIA, ADICIONAL A LAS 10 INIC	30.000.00	390.000.00
				\$390.000.00

SON: **TRESCIENTOS NOVENTA MIL PESOS MONEDA CORRIENTE**

Responsable: 

Recibo de Caja Aplicado al Expediente No. _____

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO



No. 13-253890- -00000-0000

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Tra. 11 PATENTEIYII Eve: 378 FASENACIONALI
Act. 411 PRESENTACION Folios: 160

PODER

El (los) suscrito (s) JAPAN TOBACCO INC.

domiciliado (s) en 2-1, Toranomom 2-chome, Minato-
ku, Tokyo 105-8422 - JAPON

nombra(n) por el presente a **XIMENA CASTELLANOS A. y/o**
MARGARITA CASTELLANOS A. abogadas con oficinas en la Carrera 9 No. 93-
09, Bogotá - Colombia para

y para obtener la protección de mi (nuestra) propiedad industrial y con este
fin autorizamos a dichos apoderados para que nos representen ante
cualesquiera autoridades o personas de los órdenes administrativo,
contencioso-administrativo y judicial en todo lo relacionado con los siguientes
actos y gestiones:

a) Obtención de patentes de invención, modelos y dibujos industriales;
registro de marcas de fábrica, de servicio, colectivas o defensivas y de
denominaciones de origen; depósito de nombres y enseñas comerciales; su
renovación prórroga, inscripción de traspaso y cambio de nombre o domicilio,
cancelación voluntaria y el registro de licencias de uso de esos derechos;
b) Para la obtención de Registros Sanitarios; c) Acciones de oposición,
observación, cancelación, nulidad, medidas cautelares y en general los juicios
civiles, penales, administrativos o contencioso-administrativos que
promovamos o se nos promuevan, pudiendo en todos los actos y gestiones
arriba determinados sustituir éste mandato, transigir, desistir, recibir, cancelar,
renunciar, aceptar notificaciones y nombrar apoderados judiciales y
extrajudiciales.

Dado y firmado hoy 7 de Junio de 2004

en Tokyo, JAPON

Por Teruo DAITO

(Notary should execute on other side)

(Consular legalization necessary)

POWER OF ATTORNEY

I (we) the undersigned Japan Tobacco Inc.

of 2-1, Toranomom 2-chome, Minato-ku,
Tokyo 105-8422 Japan

hereby grant(s) Power of Attorney to **XIMENA CASTELLANOS A.** and/or
MARGARITA CASTELLANOS A. attorneys residing at Carrera 9 No. 93-09
Bogotá - COLOMBIA to

and to obtain the protection of my (our) industrial property, for which purpose
we authorize the said attorneys to represent us before any authorities or
persons, specially those, administrative contentious and judicial, in all matters
concerning the following:

a) Obtention of patents, models and designs; registration of trademarks,
service, collective and defensive marks, and of designations of origin; the
deposit of commercial names and ensigns; its renewal, extension, recordal
of assignments, change of name or domicile, voluntary cancellation; and the
registration of licenses of use of the above rights; b) For the obtention of
Sanitary Registrations; c) Actions of opposition, cancellation, nullity,
infringement, granting of licenses; and in general the civil, criminal and
administrative suits related to those rights; actions and suits instituted by us
or against us; and that in all the above matters they may substitute this
Power of Attorney, compromise, desist, cancel, receive, renounce, accept
notifications and appoint attorneys in fact, in or out of Court.

Given and signed this June 7, 2004

in Tokyo - JAPAN

By Japan Tobacco Inc.

Teruo Daito

Teruo DAITO, Patent Attorney
General Manager,
Patent Information Dept.

(Notary should execute on other side)

(Consular legalization necessary)

ALVARO CASTELLANOS M. & CIA.

ABOGADOS COLOMBIA

Carrera 9 No. 93-09 - P.O. Box 6349 - Bogotá, Colombia.

Tels.: (571) 610 7420 / 60 / 80 - Fax: (571) 610 0706 - e-mail: acastell@impsat.net.co



7

APOSTILLE

(Convention de La Haye du 5 octobre 1961)

1. Country: JAPAN

This public document

2. has been signed by

Katsuyuki YAMAGUCHI

3. acting in the capacity of

Notary Public of the Osaka
Legal Affairs Bureau

4. bears the seal/stamp of

Katsuyuki YAMAGUCHI, Notary Public

Certified

5. at Osaka

6. JUN. 14. 2004

7. by the Ministry of Foreign Affairs

8. No. 02041

9. Seal/stamp:



10. Signature:

Tsutomu HIGUCHI

For the Minister for Foreign Affairs

認証登簿平成16年第100号

囑託人大東輝雄は、本公証人の面前で、別紙編綴の書面に署名した。

よって、これを認証する。

平成16年3月31日、本職の役場において。
大阪府高槻市芥川町1丁目15番18号(ミドリ芥川ビル内)
大阪法務局所属
公証人

山口 勝之

Registered No100(2004)

NOTARIAL CERTIFICATE

This is to certify that Teruo DAITO signed the attached document in my very presence on this 31st day of March 2004.

Katsuyuki Yamaguchi

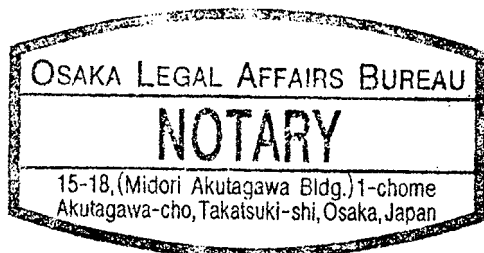
Katsuyuki Yamaguchi

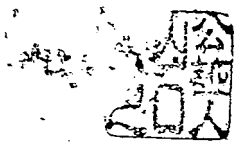
Notary, attached to

Osaka Legal affairs Bureau

15-18,1-chome,Akutagawa-cho,

Takatsuki-shi,Osaka,Japan.





証明書

東京都港区虎ノ門二丁目2番1号を本店所在地とする日本国法人
日本たばこ産業株式会社の代表取締役社長である私 本田勝彦 は、
該法人を代表して知的財産権に係わる書類を署名作成する権限を
有するものであることをここに宣言し、これをもって、2004年
3月31日当時、該法人の医薬総合研究所特許情報室長職にあった
大東輝雄 氏が、代理人に指名され、該法人名義にて外国に提出す
る特許、実用新案登録の出願等手続に要する願書、委任状、譲渡書、
授權書、申請書、請求書、その他を含む関係書類について該法人を
代表して署名、押印、作成する権限を有していたものであることを
証明する。

2004年6月7日

日本たばこ産業株式会社

代表取締役社長 本田 勝彦



10

CERTIFICATE

I, KATSUHIKO HONDA, President and Chief Executive Officer of JAPAN TOBACCO INC., a Japanese corporation located at 2-1, TORANOMON 2-CHOME, MINATO-KU, TOKYO 105-8422, JAPAN, hereby declare that I am authorized to sign and execute documents relating to intellectual property rights on behalf of the said corporation, and hereby certify that, as of March 31, 2004, Mr. TERUO DAITO was Director of Patent Information Dept. of Central Pharmaceutical Research Institute of the said corporation, was my proxy, and was authorized to sign and execute documents relating to intellectual property rights on behalf of the said corporation. Said documents include, but are not limited to, applications, powers of attorney, assignments, authorizations of agents, petitions and the like in connection with patent and utility model filed in foreign countries with the name of the said corporation.

Dated this 7 day of June, 2004,
JAPAN TOBACCO INC.



KATSUHIKO HONDA
President and Chief Executive Officer



APOSTILLE

(Convention de La Haye du 5 octobre 1961)

1. Country: **JAPAN**

This public document

2. has been signed by **Katsuyuki YAMAGUCHI**

3. acting in the capacity of **Notary Public of the Osaka
Legal Affairs Bureau**

4. bears the seal/stamp of **Katsuyuki YAMAGUCHI, Notary Public**

Certified

5. at **Osaka**

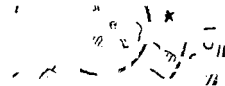
6. **JUN. 14, 2004**

7. by the **Ministry of Foreign Affairs**

8. No. **02042**

9. Seal/stamp:

10. Signature:



Tsutomu HIGUCHI
For the Minister for Foreign Affairs



登簿番号平成16年第168号

日本国法律に従い設立され、日本国東京都港区虎ノ門
二丁目2番1号に所在する日本たばこ産業株式会社に
おいて、2004年3月31日当時、医薬総合研究所
特許情報室長職にあった大東輝雄氏が、該法人名義で
知的財産関係書類について該法人を代表して署名押
印、作成する権限を有していたこと及び同氏が200
4年3月31日、本職の面前で別紙書類に署名したこ
とを証明する。

よって、ここにこれを認証する。

平成16年6月8日、本職の役場において。

大阪府高槻市芥川町1丁目15番18号（ミドリ芥川ビル）

大阪法務局所属（高槻公証役場）

公証人

山口勝之



大阪法務局所属 公証人役場

13
Registration Book No.168 (2004)

NOTARIAL CERTIFICATE

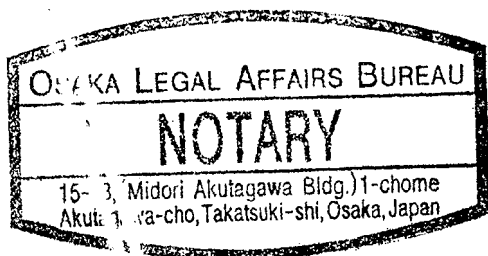
This is to certify that :

1) Teruo Daito was Director of Patent Information Dept. of Central Pharmaceutical Research Institute of JAPAN TOBACCO INC. ,a Japanese corporation of being legally constituted and in existence in accordance with the laws of Japan ,located at 2-1, Toranomom2-chome, Minato-ku, Tokyo 105-8422 Japan ,as of March 31,2004 and was authorized to sign and execute documents relating to intellectual property rights on behalf of the said corporation.

2) said Teruo Daito signed the attaced document in my presence on 31st day of March,2004.

IN TESTIMONY WHEREOF,I have hereto subscribed my name and affixed my seal of office.

On the 8th day of June,2004
at the Office of Notary Katsuyuki Yamaguchi



Katsuyuki Yamaguchi
Katsuyuki Yamaguchi



Notary, attached to
Osaka Legal affairs Bureau,
15-18, 1-chome, Akutagawacho,
Takatsuki-shi, Osaka, Japan.



総第 1558 号



証明

大阪法務局所属公証人

山口勝之

平成 16 年 3 月 31 日付

平成 16 年 登簿 第 100 号

この認証の付与は、在職中の公証人が
その権限に基づいてしたものであり、
かつ、その押印は、真実のものであること
を証明する。

平成 16 年 6 月 14 日

平成 年 月 日

大阪法務局長

梅津和宏



CERTIFICATE

This is to certify that the annexed Notarial Certificate has
been executed by Notary, duly authorized and practising in Osaka,
Japan, and that the Official seal appearing on the same is genuine.

Date 04. 6. 14

Director of the Osaka Legal Affairs Bureau



15

総第 1559 号



証 明

大阪法務局所属公証人

山口 勝之

平成 16年 6 月 8 日付

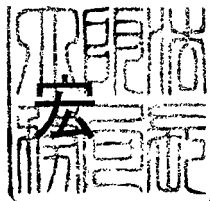
平成 16年 登簿 第 168 号

この認証の付与は、在職中の公証人が
その権限に基づいてしたものであり、
かつ、その押印は、真実のものであること
を証明する。

平成 16年 6月 14日
平成 年 月 日

大阪法務局長

梅 津 和



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Director of the Osake Legal Affairs Bureau

de un documento escrito en INGLES, el cual para su identificación lleva el sello de la Traductora e Intérprete Oficial, Res. 2755/68 y 01144/97 de Minjusticia, al igual que la presente.-----

(Anexo a un documento de poder otorgado por Japan Tobacco Inc.)

Registro No. 100 (2004)

CERTIFICADO NOTARIAL

La presente es para certificar que Teruo DAITO firmó el documento adjunto en mi propia presencia hoy día 31 de marzo de 2004.

(fdo) ilegible

Katsuyuki Yamaguchi

Notario adjunto a la Oficina de Asuntos Legales de

Osaka – 15-18, 1-chome, Akutagawa-cho,

Takatsuki-shi, Osaka, Japón

(Sello) Oficina de Asuntos Legales de Osaka

NOTARIO – 15-18 (Midori Akutagawa Bldg) 1-chome

Akutagawa-cho, Takatsuki-shi, Osaka, Japón

APOSTILLA

(Convención e La Haya del 5 de Octubre de 1961)

1. País: JAPON

Este documento público

2. ha sido firmado por Katsuyuki YAMAGUCHI

3. actuando en su carácter de Director de la Oficina de Asuntos legales

de Osaka

DORA DUQUE DE BERNAL
TRADUCTORA E INTERPRETE OFICIAL
RES. 02755/68 Y 01144/97 - MINJUSTICIA
REP. DE COLOMBIA

4. lleva el sello de Katsuyuki YAMAGUCHI, Notario Público

Certificado

5. en Osaka

6. el 14 de Junio 2004

7. por el Ministerio de Relaciones Exteriores

8. No. 02041

9. Sello:

10: Firma

(fdo) ilegible

Tsutomu HIGUCHI

Por el Ministro de Relaciones Exteriores.

(Sello del Ministerio de Relaciones Exteriores de Japón)

CERTIFICADO

Yo, KATSUHIKO HONDA, Presidente y Funcionario jefe Ejecutivo de JAPAN TOBACCO INC., una sociedad japonesa situada en 2-1, TORANOMON 2-CHOME, MINATO-KU, TOKYO 105-8422, JAPON, declaro por medio del presente que estoy autorizado para firmar y otorgar documentos relacionados con derechos de propiedad intelectual en nombre de dicha sociedad, y por medio del presente certifico que, a Marzo 31 de 2004, el señor TERUO DAITO era el Director del Departamento de Información de Patentes del Instituto Central de Investigaciones Farmacéuticas de dicha sociedad, era mi apoderado y estaba autorizad para firmar y otorgar documentos relacionados con derechos de propiedad intelectual en nombre de dicha sociedad. Dichos documentos incluyen, pero no se limitan a, solicitudes, poderes, cesiones, autorizaciones de agentes, peticiones y similar en relación con

DORA DUEÑE DE BERNAL
TRADE MARK OFFICE OFICIAL
RES. 02755/01-14/97-MINJUSTICIA
REP. DE COLOMBIA

18

patentes y modelos de utilidad presentados en países extranjeros con el nombre de dicha sociedad.

Dado hoy día 7 de Junio de 2004

JAPAN TOBACCO INC.

KATSUHIKO HONDA

Presidente y Funcionario Jefe Ejecutivo

Libro de Registro No. 168 (2004)

CERTIFICADO NOTARIAL

La presente es para certificar que:

- 1) Teruo Daito era el Director del departamento de Información de Patentes del Instituto Central de Investigaciones Farmacéuticas de JAPAN TOBACCO INC., una sociedad japonesa que están legalmente constituida y existe de acuerdo con las leyes del Japón, situada en 2-1, Toranomom 2-chome, Minato-ku, Tokio 105-8422 Japón, a Marzo 31 de 2004, y estaba autorizado para firmar y otorgar documentos relacionados con derechos de propiedad intelectual en nombre de dicha sociedad.
- 2) Dicho Tereuo Daito firmó el documento adjunto en mi propia presencia el día 31 de Marzo de 2004.

EN TESTIMONIO DE LO CUAL, he suscrito aquí mi nombre y he fijado mi sello de oficio.

El día 8 de Junio de 2004

En la Oficina del Notario Katsuyuki Yamaguchi

(fdo) ilegible

DORA DEQUE DE BERNAL
TRADUCTORA E INTERPRETE OFICIAL
RES. 02755/200114/97 - MINJUSTICIA
REP. DE COLOMBIA

Katsuyuki Yamaguchi
Notario adjunto a la Oficina de Asuntos Legales
De Osaka, 15-18, 1-chome, Akutagawacho
Takatsuki-shi, Osaka, Japón

(Sello) Oficina de Asuntos Legales de Osaka
NOTARIO – 15-18 (Midori Akutagawa Bldg) 1-chome
Akutagawa-cho, Takatsuki-shi, Osaka, Japón

CERTIFICADO 1558

La presente es para certificar que la firma que aparece anteriormente ha sido
impuesta por Notario, debidamente autorizado y en ejercicio en Osaka, Japón y
que el sello oficial que aparece en el mismo es auténtico.

Fecha: 04.6.14

Director de la Oficina de Asuntos Legales de Osaka
CERTIFICADO 1559

La presente es para certificar que la firma que aparece anteriormente ha sido
impuesta por Notario, debidamente autorizado y en ejercicio en Osaka, Japón y
que el sello oficial que aparece en el mismo es auténtico.

Fecha: 04.6.14

Director de la Oficina de Asuntos Legales de Osaka
APOSTILLA

(Convención e La Haya del 5 de Octubre de 1961)

- 5. País: JAPON
- Este documento público
- 6. ha sido firmado por Katsuyuki YAMAGUCHI

DORA DE BERNAL
TRADUCTORA E INTERPRETE OFICIAL
REG. 02/25/08 Y 01/14/97 - MINJUSTICIA
REP. DE COLOMBIA

7. actuando en su carácter de Director de la Oficina de Asuntos legales
de Osaka

8. lleva el sello de Katsuyuki YAMAGUCHI, Notario Público

Certificado

5. en Osaka

6. el 14 de Junio 2004

7. por el Ministerio de Relaciones Exteriores

8. No. 02042

9. Sello:

10: Firma

(fdo) ilegible

Tsutomu HIGUCHI

Por el Ministro de Relaciones Exteriores.

(Sello del Ministerio de Relaciones Exteriores de Japón)

Es traducción fiel y completa, a la cual me remito,

Bogotá, Junio 22, 2004.



DORA DUQUE DE BERNAL

TRADUCTORA E INTERPRETE OFICIAL

RES. 02755/68 Y 01144/97 - MINJUSTICIA

REP. DE COLOMBIA

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162

EXTERIORES

Don Juan
041035

CUYA FIRMA APARECE EN EL
DOCUMENTO RESEMIENA
LAS FUERZAS INDICADAS

REGISTRACIONES DEL TERCIO

2004 JUN 24 A 11:23

LLS
JEFE DE LEGALIZACIONES
SANTAFE DE BOGOTA D.C.

COMPUESTO DE AMIDA Y APLICACIÓN FARMACÉUTICA PARA EL
MISMO

CAMPO TÉCNICO

5

La presente invención se refiere a compuestos de amida y su uso medicinal.

En particular, la presente invención se refiere a compuestos que pueden inhibir el receptor huérfano relacionado con retinoide gamma (ROR γ),
10 y de este modo se puede inhibir la diferenciación y activación de las células auxiliares T 17 (Th17) y se puede inhibir la producción de interleucina-17 (IL-17).

Específicamente, la presente invención se refiere a compuestos para prevenir o tratar una enfermedad relacionada con las células Th17, por
15 ejemplo, enfermedad autoinmune tales como artritis reumatoide, psoriasis, enfermedad inflamatoria del intestino tales como enfermedad de Crohn y colitis ulcerosa, esclerosis múltiple, lupus eritematoso sistémico (SLE), espondilitis anquilosante, uveítis, polimialgia reumática y diabetes tipo I; enfermedad alérgica tal como asma; ojo seco; fibrosis tales como fibrosis
20 pulmonar y cirrosis biliar primaria; y enfermedad metabólica tal como diabetes, y uso medicinal de los mismos.

TÉCNICA ANTECEDENTE

ROR γ es un receptor nuclear que es importante para la diferenciación y activación de las células Th17. ROR α también es conocido
5 como una variante de empalme de ROR γ . ROR γ y ROR γ t difieren sólo en sus dominios N-terminales y comparten el mismo dominio de unión al ligando y dominio de unión al ADN. Se informa que ROR γ se expresa en otros tejidos además de las células Th17. Por inhibición de ROR α se puede inhibir la diferenciación y activación de las células Th17. La IL-17 producida en las
10 células Th17 se involucra en la inducción de una variedad de quimiocinas, citocinas, metaloproteasas y otros mediadores inflamatorios y la migración de neutrófilos, en consecuencia, la inhibición de IL-17 puede llevar a la inhibición de tal inducción y migración. ROR γ en los tejidos adiposos se relaciona con la regulación de la adipogénesis y por inhibición de ROR α , se puede mejorar la
15 resistencia a la insulina.

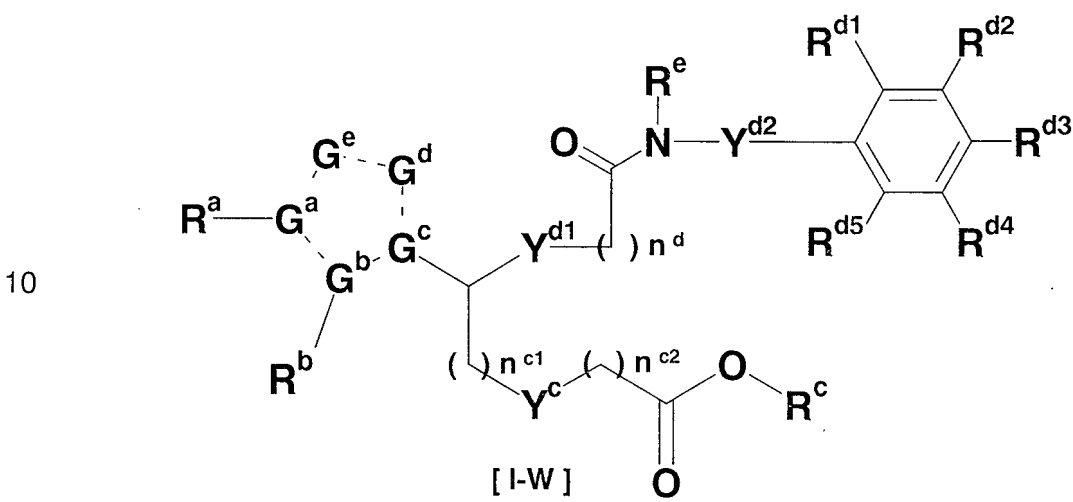
Se sabe que las células Th17 están involucradas en la enfermedad autoinmune tales como artritis reumatoide, psoriasis, enfermedad inflamatoria del intestino tales como enfermedad de Crohn y colitis ulcerosa, esclerosis múltiple, lupus eritematoso sistémico, espondilitis anquilosante,
20 uveítis, polimialgia reumática y diabetes tipo I; enfermedad alérgica; ojo seco; y fibrosis tales como fibrosis pulmonar y cirrosis biliar primaria.

En cuanto a la artritis reumatoide, por ejemplo, se informa que la administración del anticuerpo anti-IL-17 puede mejorar el edema y la

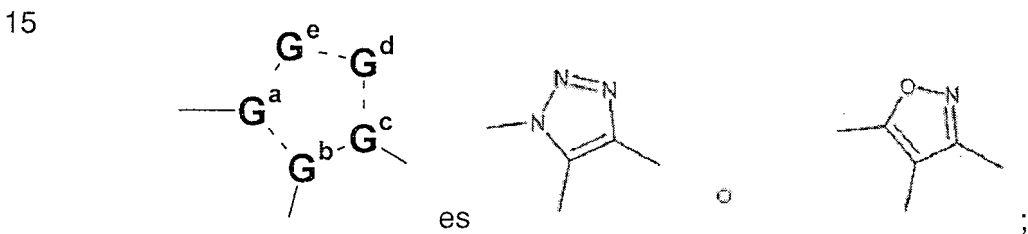
NOVEDAD DE LA INVENCION

REIVINDICACIONES

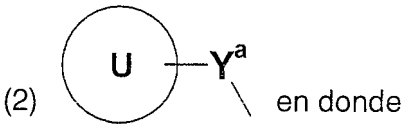
5 1.- Un compuesto de fórmula [I-W]:



en donde:



20 R^a es (1) grupo alquilo C_{5-12} que puede estar sustituido con 1 a 5
sustituyentes iguales o diferentes seleccionados del grupo A, o



Y^a es (i) enlace sencillo o (ii) grupo alquileno C_{1-6} , la porción

- cíclica U es (i) grupo cicloalquilo C_{3-7} que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A, (ii) grupo cicloalquilo C_{5-11} espirocíclico que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A o (iii) grupo arilo
- 5 C_{6-10} que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A; R^b es un grupo seleccionado de los siguientes (1) a (3): (1) grupo alquilo C_{1-3} que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A, (2) grupo alquenilo C_{2-3} que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes
- 10 seleccionados del grupo A, (3) grupo cicloalquilo C_{3-7} que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A; R^c es (1) átomo de hidrógeno o (2) grupo alquilo C_{1-6} ; Y^c es un grupo seleccionado de los siguientes (1) a (7): (1) enlace sencillo, (2) grupo alquileo C_{1-6} que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes
- 15 seleccionados del grupo A, (3) $-NR^{C1}-$, en donde R^{C1} es átomo de hidrógeno o grupo alquilo C_{1-6} , (4) $-O-$, (5) grupo cicloalquileo C_{3-10} que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A, (6) grupo arileo C_{6-10} que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A, (7) grupo heteroaromático
- 20 monocíclico que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A en donde el anillo heteroaromático monocíclico consiste de átomos de carbono y 1 a 4 heteroátomos iguales o diferentes seleccionados de átomo de nitrógeno, átomo de oxígeno y átomo

de azufre, y es de 3 a 7 miembros; Y^{d1} es (1) enlace sencillo o (2) grupo alquileo C_{1-6} que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A; o en forma alternativa, tanto Y^c como Y^{d1} pueden ser metino y pueden estar enlazados entre sí de forma directa, o

5 por medio de grupo alquileo C_{1-4} forman anillo de cicloalquilo C_{3-7} ; Y^{d2} es (1) enlace sencillo o (2) grupo alquileo C_{1-6} ; R^{d1} , R^{d2} , R^{d3} , R^{d4} y R^{d5} son un grupo igual o diferente seleccionado de los siguientes (1) a (7): (1) átomo de hidrógeno, (2) átomo de halógeno, (3) grupo alquilo C_{1-6} que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo

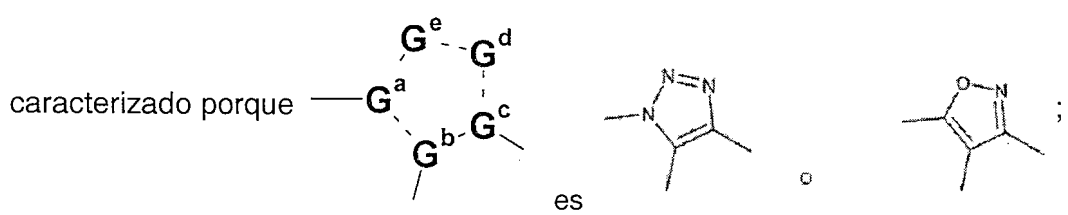
10 A, (4) $-OR^{d10}$, en donde R^{d10} es átomo de hidrógeno o grupo alquilo C_{1-6} que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A, (5) $-COOR^{d11}$, en donde R^{d11} es átomo de hidrógeno o grupo alquilo C_{1-6} , (6) grupo cicloalquilo C_{3-7} que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo

15 A, (7) grupo ciano, o en forma alternativa, R^{d1} y R^{d2} o R^{d2} y R^{d3} se pueden tomar juntos para formar un anillo de arilo C_{6-10} fusionado con el anillo de benceno al que están todos unidos, en donde el anillo de arilo C_{6-10} puede estar sustituido con 1 a 4 sustituyentes iguales o diferentes seleccionados del grupo A; R^e es (1) átomo de hidrógeno o (2) grupo alquilo C_{1-3} , o en forma

20 alternativa, R^e y R^{d1} o R^e y R^{d5} se pueden tomar juntos para formar alquileo C_{1-4} ; n^{c1} es un número entero seleccionado de 0 ó 1 a 4, n^{c2} es un número entero seleccionado de 0 ó 1 a 3, n^d es un número entero seleccionado de 0 ó 1 a 3, el grupo A es (a) grupo alquilo C_{1-6} , (b) átomo de halógeno y (c) $-OR^{A1}$,

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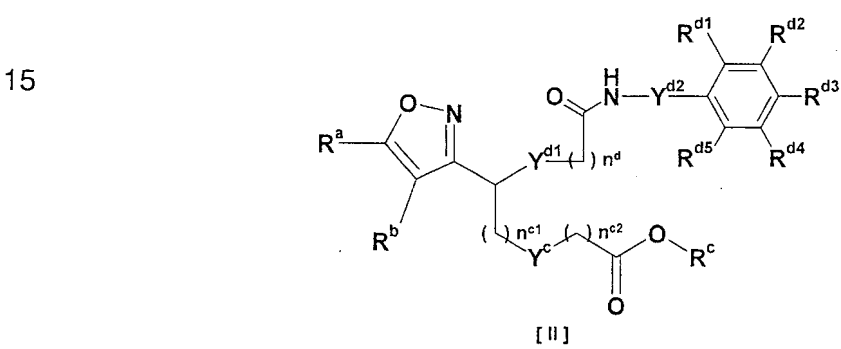
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sustituyentes iguales o diferentes seleccionados del grupo A, (2) grupo alquenilo C_{2-3} que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A, (3) grupo cicloalquilo C_{3-7} que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A; R^c es (1) átomo de hidrógeno o (2) grupo alquilo C_{1-6} ; Y^c es un grupo seleccionado de los siguientes (1) a (7): (1) enlace sencillo, (2) grupo alquilenos C_{1-6} que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A, (3) $-NR^{C1}-$, en donde R^{C1} es átomo de hidrógeno o grupo alquilo C_{1-6} , (4) $-O-$, (5) grupo cicloalquilenos C_{3-10} que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A, (6) grupo arileno C_{6-10} que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A, (7) grupo heteroaromático monocíclico que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A, en donde el anillo heteroaromático monocíclico consiste de átomos de carbono y 1 a 4 heteroátomos iguales o diferentes seleccionados de átomo de nitrógeno, átomo de oxígeno y átomo de azufre, y es de 3 a 7 miembros; Y^{d1} es (1) enlace sencillo o (2) grupo alquilenos C_{1-6} que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A; Y^{d2} es (1) enlace sencillo o (2) grupo alquilenos C_{1-6} ; R^{d1} , R^{d2} , R^{d3} , R^{d4} y R^{d5} son un grupo igual o diferente seleccionado de los siguientes (1) a (4): (1) átomo de hidrógeno, (2) átomo de halógeno, (3) grupo alquilo C_{1-6} que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A, (4) $-OR^{d10}$, en

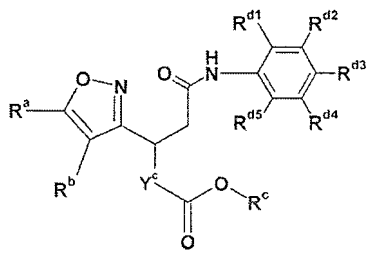
donde R^{d10} es átomo de hidrógeno o grupo alquilo C_{1-6} que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A, o en forma alternativa, R^{d1} y R^{d2} o R^{d2} y R^{d3} se pueden tomar juntos para formar un anillo de arilo C_{6-10} fusionado con el anillo de benceno al que están todos unidos, en donde el anillo de arilo C_{6-10} puede estar sustituido con 1 a 4 sustituyentes iguales o diferentes seleccionados del grupo A; n^{c1} es un número entero seleccionado de 0 ó 1 a 3, n^{c2} es un número entero seleccionado de 0 ó 1 a 3, n^d es un número entero seleccionado de 0 ó 1 a 3, R^e es átomo de hidrógeno, el grupo A es (a) grupo alquilo C_{1-6} , (b) átomo de halógeno y (c) $-OR^{A1}$, en donde R^{A1} es átomo de hidrógeno o grupo alquilo C_{1-6} , o una de sus sales farmacéuticamente aceptables.

3.- El compuesto de fórmula [II] de conformidad con la reivindicación 1:



20 caracterizado además porque cada símbolo es como se definió en la reivindicación 1, o una de sus sales farmacéuticamente aceptables.

4.- El compuesto de fórmula [III] de conformidad con la reivindicación 3:

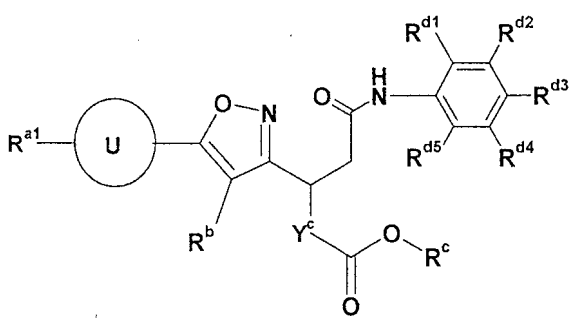


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[III]

caracterizado además porque cada símbolo es como se definió en la reivindicación 1, o una de sus sales farmacéuticamente aceptables.

5.- El compuesto de fórmula [IV] de conformidad con la
10 reivindicación 4:

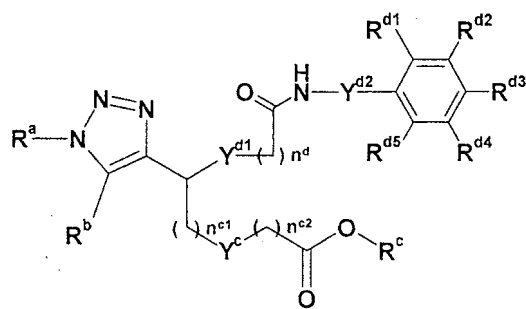


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[IV]

caracterizado además porque R^{a1} es grupo alquilo C₁₋₆ y los otros símbolos son como se definieron en la reivindicación 1, o una de sus sales farmacéuticamente aceptables.

20 6.- El compuesto de fórmula [V] de conformidad con la reivindicación 1:



[VI]

caracterizado además porque cada símbolo es como se definió en la reivindicación 1, o una de sus sales farmacéuticamente aceptables.

7.- El compuesto de conformidad con cualquiera de las reivindicaciones 1 a 6, caracterizado además porque: R^b es grupo cicloalquilo C₃₋₇ que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A, o una de sus sales farmacéuticamente aceptables.

8.- El compuesto de conformidad con cualquiera de las reivindicaciones 1 a 7, caracterizado además porque: R^b es grupo ciclopropilo, o una de sus sales farmacéuticamente aceptables.

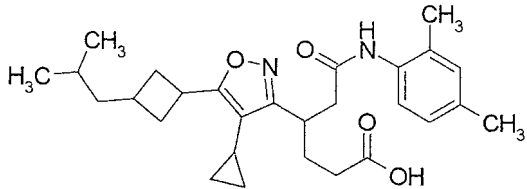
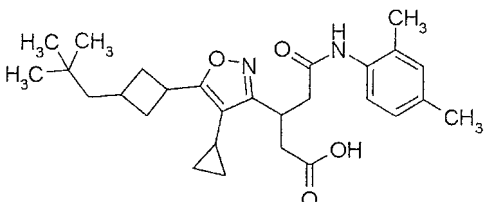
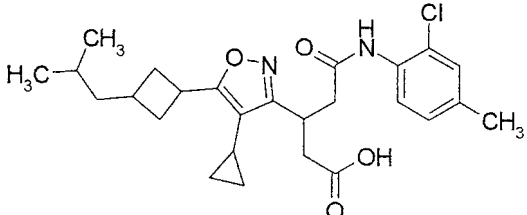
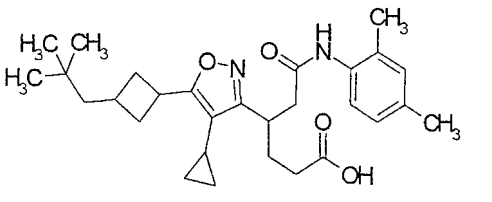
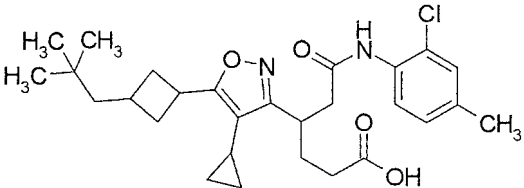
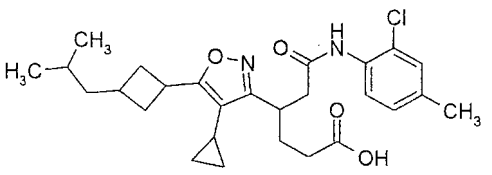
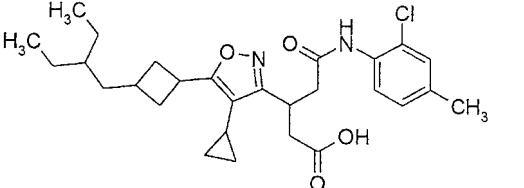
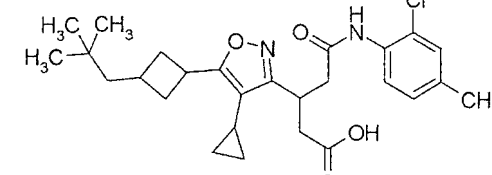
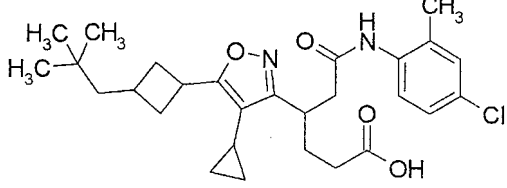
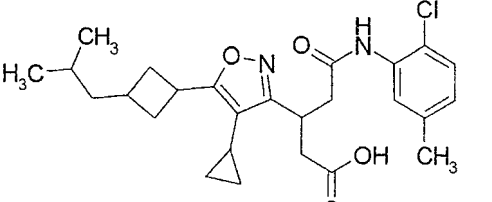
9.- El compuesto de conformidad con cualquiera de las reivindicaciones 1 a 8, caracterizado además porque: la porción cíclica U es grupo cicloalquilo C₃₋₇ que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A, o una de sus sales farmacéuticamente aceptables.

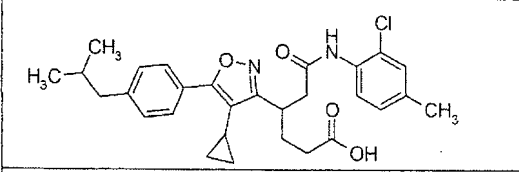
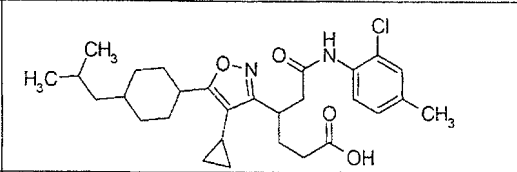
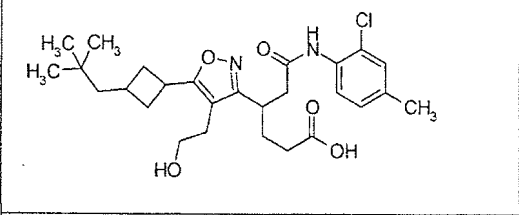
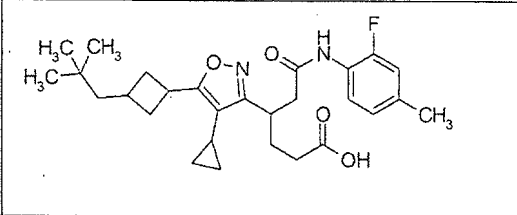
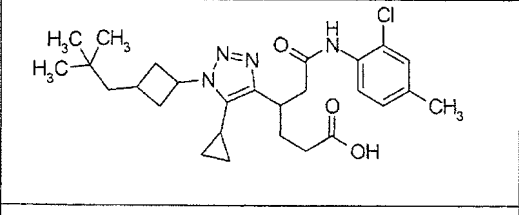
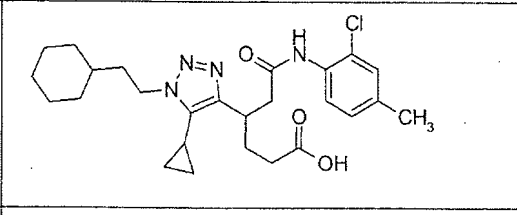
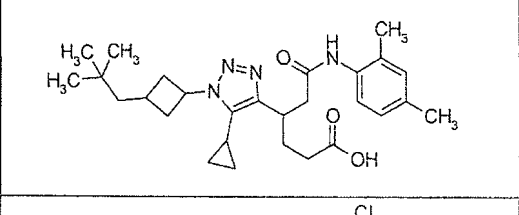
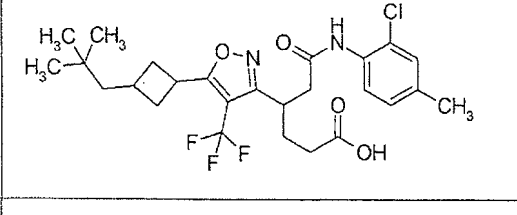
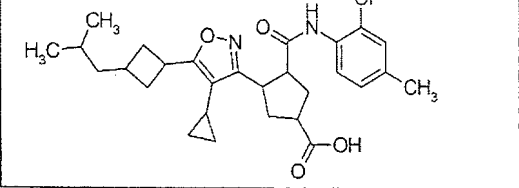
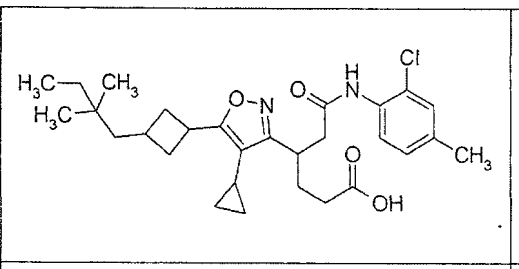
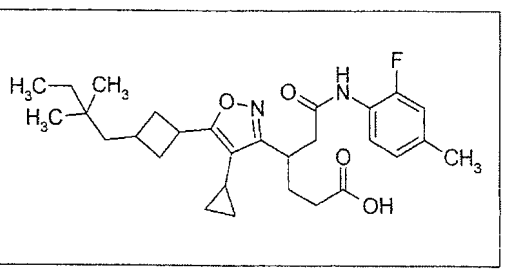
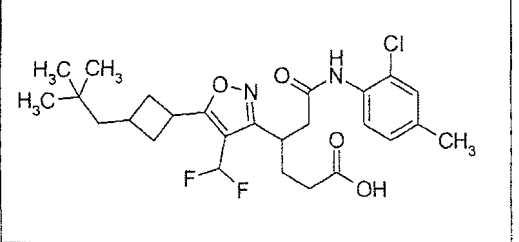
10.- El compuesto de conformidad con cualquiera de las reivindicaciones 1 a 9, caracterizado además porque: la porción cíclica U es grupo ciclobutilo que puede estar sustituido con 1 a 5 sustituyentes iguales o

diferentes seleccionados del grupo A, o una de sus sales farmacéuticamente aceptables.

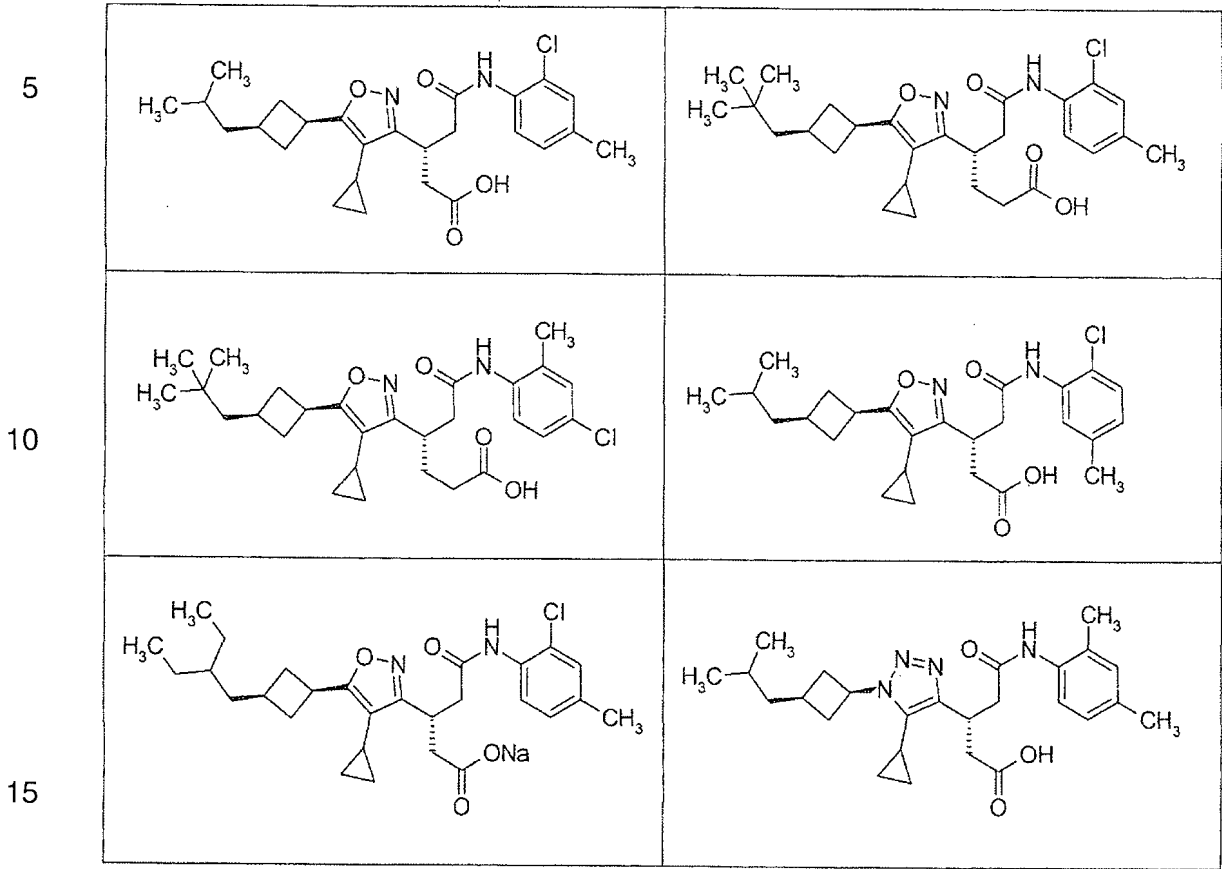
11.- El compuesto de conformidad con la reivindicación 1 ó 2, caracterizado además porque se selecciona del grupo que consiste de las siguientes fórmulas o una de sus sales farmacéuticamente aceptables:

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12.- El compuesto de conformidad con la reivindicación 1 ó 2, caracterizado además porque se selecciona del grupo que consiste de las siguientes fórmulas o una de sus sales farmacéuticamente aceptables:



13.- Una composición farmacéutica que comprende el compuesto de conformidad con cualquiera de las reivindicaciones 1 a 12 o una de sus sales farmacéuticamente aceptables, y un vehículo farmacéuticamente aceptable.

14.- Un antagonista de ROR γ que comprende el compuesto de conformidad con cualquiera de las reivindicaciones 1 a 12, o una de sus sales farmacéuticamente aceptables.

15.- Un medicamento para el tratamiento o la prevención de una enfermedad seleccionada del grupo que consiste de enfermedad autoinmune, enfermedad alérgica y enfermedad metabólica, caracterizado porque comprende el compuesto de conformidad con cualquiera de las reivindicaciones 1 a 12 o una de sus sales farmacéuticamente aceptables.

16.- Un medicamento para el tratamiento o la prevención de una enfermedad seleccionada del grupo que consiste de enfermedad autoinmune y enfermedad alérgica, caracterizado porque comprende el compuesto de conformidad con cualquiera de las reivindicaciones 1 a 12 o una de sus sales farmacéuticamente aceptables.

17.- El medicamento de conformidad con la reivindicación 15 ó 16, caracterizado además porque la enfermedad autoinmune se selecciona del grupo que consiste de artritis reumatoide, psoriasis, enfermedad inflamatoria del intestino, esclerosis múltiple, lupus eritematoso sistémico, espondilitis anquilosante, uveítis, polimialgia reumática y diabetes tipo I.

18.- El medicamento de conformidad con la reivindicación 15, caracterizado además porque la enfermedad metabólica es diabetes.

19.- Un método de inhibición de ROR en un mamífero, que comprende la administración a dicho mamífero de una cantidad terapéuticamente efectiva del compuesto de conformidad con cualquiera de las reivindicaciones 1 a 12 o una de sus sales farmacéuticamente aceptables.

20.- Un método de tratamiento o prevención de una enfermedad en un mamífero seleccionada del grupo que consiste de enfermedad

autoinmune, enfermedad alérgica y enfermedad metabólica, que comprende la administración a dicho mamífero de una cantidad terapéuticamente efectiva del compuesto de conformidad con cualquiera de las reivindicaciones 1 a 12 o una de sus sales farmacéuticamente aceptables.

- 5 21.- Un método de tratamiento o prevención de una enfermedad en un mamífero seleccionada del grupo que consiste de enfermedad autoinmune y enfermedad alérgica, que comprende la administración a dicho mamífero de una cantidad terapéuticamente efectiva del compuesto de conformidad con cualquiera de las reivindicaciones 1 a 12 o una de sus sales
- 10 farmacéuticamente aceptables.

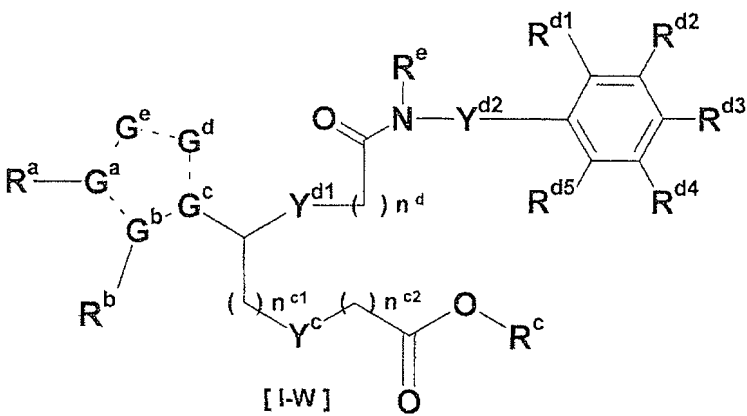
- 22.- El método de conformidad con la reivindicación 20 ó 21, caracterizado porque la enfermedad autoinmune se selecciona del grupo que consiste de artritis reumatoide, psoriasis, enfermedad inflamatoria del intestino, esclerosis múltiple, lupus eritematoso sistémico, espondilitis
- 15 anquilosante, uveítis, polimialgia reumática y diabetes tipo I.

- 23.- El método de conformidad con la reivindicación 20, caracterizado además porque la enfermedad metabólica es diabetes.

RESUMEN DE LA INVENCION

1.- Un compuesto de fórmula [I-W]:

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en donde cada símbolo es como se define en la descripción, o una de sus sales farmacéuticamente aceptables.

Fig. 1

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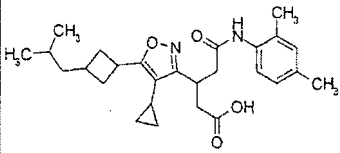
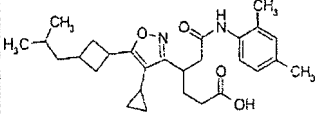
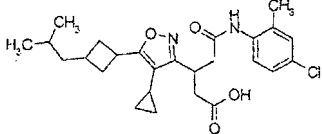
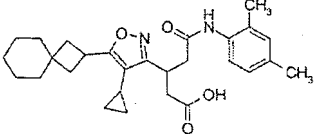
Ejemplo	Estructura	RMN	MS		Estereoquímica de AUX-H
			M+H	M-H	
A-1		(400 MHz, CDCl3) 0.36 - 0.55 (m, 2H), 0.76 - 0.92 (m, 2H), 0.86 (d, J=6.66Hz, 6H), 1.29 - 1.45 (m, 3H), 1.47 - 1.61 (m, 1H), 1.85 - 2.05 (m, 2H), 2.08 (s, 3H), 2.25 (s, 3H), 2.28 - 2.43 (m, 3H), 2.71 (dd, J=15.20, 8.40Hz, 1H), 2.87 (dd, J=15.20, 4.40Hz, 1H), 2.97 (dd, J=14.00, 4.80Hz, 1H), 3.06 (dd, J=14.00, 9.20Hz, 1H), 3.41 - 3.57 (m, 1H), 3.89 - 4.02 (m, 1H), 6.90 - 6.99 (m, 2H), 7.49 (dd, J=8.40, 2.40Hz, 1H), 7.81 (brs, 1H)	453	451	(S)
A-2		(400 MHz, DMSO-d6) 0.80 - 0.88 (m, 1H), 0.95 (d, J=6.45Hz, 7H), 1.10 (d, J=7.25Hz, 2H), 1.90 (s, 1H), 2.00 - 2.08 (m, 1H), 2.12 (d, J=2.42Hz, 3H), 2.24 (s, 3H), 2.77 (d, J=6.85Hz, 2H), 2.99 (d, J=3.63Hz, 3H), 3.40 - 3.80 (m, 7H), 6.79 (s, 1H), 6.98 (d, J=10.07Hz, 1H), 7.03 (s, 1H), 7.26 (s, 1H), 9.69 (s, 1H)	467	465	(R)
A-3		(400 MHz, DMSO-d6) 0.47 (t, J=4.43Hz, 2H), 0.77 - 0.82 (m, 2H), 0.85 (q, J=3.49Hz, 6H), 1.30 (t, J=6.85Hz, 2H), 1.45 (t, J=5.64Hz, 1H), 1.51 (dd, J=13.30, 6.85Hz, 1H), 1.82 (t, J=9.27Hz, 2H), 2.08 (s, 3H), 2.37 (dt, J=19.61, 6.45Hz, 3H), 2.69 (dtd, J=49.36, 16.92, 7.32Hz, 4H), 3.53 (t, J=8.66Hz, 1H), 3.77 (t, J=7.25Hz, 1H), 7.18 (dd, J=8.66, 2.22Hz, 1H), 7.27 (d, J=2.01Hz, 1H), 7.35 (d, J=6.46Hz, 1H), 9.35 (s, 1H), 12.21 (s, 1H)	473	471	(S)
A-4		(400 MHz, CDCl3) 0.46 (d, J=14.91Hz, 2H), 0.87 (d, J=8.87Hz, 2H), 1.38 (d, J=12.89Hz, 5H), 1.47 (s, 4H), 1.58 (d, J=5.24Hz, 2H), 2.05 (ddd, J=28.51, 16.62, 7.35Hz, 8H), 2.26 (s, 3H), 2.76 (t, J=7.66Hz, 1H), 2.97 (ddd, J=37.68, 20.75, 8.46Hz, 3H), 3.61 (t, J=9.07Hz, 1H), 3.94 (s, 1H), 6.98 (d, J=15.72Hz, 2H), 7.52 (t, J=4.43Hz, 1H), 7.73 (s, 1H)	465	463	(S)

Fig. 2

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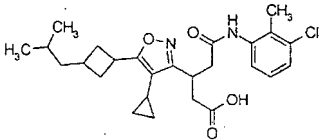
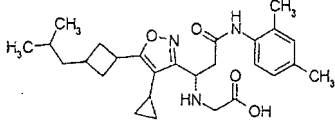
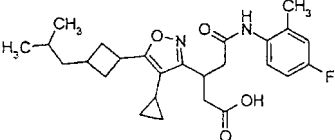
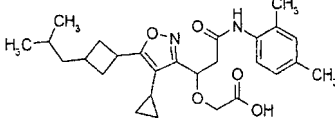
Ejemplo	Estructura	RMN	MS		Estereoquímica de AUX-H
			M+H	M-H	
A-5		(400 MHz, CDCl3) 0.41 - 0.46 (m, 2H), 0.86 (d, J=6.80Hz, 6H), 1.30 - 1.33 (m, 3H), 1.49 - 1.56 (m, 1H), 1.88 - 1.99 (m, 3H), 2.16 (s, 3H), 2.29 - 2.39 (m, 3H), 2.65 - 2.72 (m, 2H), 2.85 - 2.96 (m, 2H), 3.07 - 3.13 (m, 1H), 3.44 - 3.50 (m, 1H), 3.88 - 3.95 (m, 1H), 7.03 (dd, J=8.00Hz, 1H), 7.15 (d, J=8.00Hz, 1H), 7.50 (d, J=8.00Hz, 1H), 8.19 (s, 1H)	473	471	(S)
A-6		(400 MHz, DMSO-d6) 0.38 - 0.56 (m, 2H), 0.74 - 0.90 (m, 2H), 0.85 (d, J=6.40Hz, 6H), 1.27 - 1.35 (m, 2H), 1.45 - 1.58 (m, 2H), 1.76 - 1.92 (m, 2H), 2.07 (s, 3H), 2.23 (s, 3H), 2.29 - 2.45 (m, 3H), 2.79 (dd, J=15.20, 6.40Hz, 1H), 2.88 (dd, J=15.20, 8.00Hz, 1H), 3.49 - 3.61 (m, 1H), 4.36 - 4.35 (m, 1H), 6.93 (d, J=8.00Hz, 1H), 6.98 (s, 1H), 7.26 (d, J=8.00Hz, 1H), 9.55 (s, 1H)	468	466	Sin usar AUX-H
A-7		(400 MHz, CDCl3) 0.38 - 0.57 (m, 2H), 0.77 - 0.92 (m, 2H), 0.87 (d, J=6.80Hz, 6H), 1.27 - 1.45 (m, 3H), 1.47 - 1.62 (m, 1H), 1.84 - 2.05 (m, 2H), 2.12 (s, 3H), 2.30 - 2.44 (m, 3H), 2.74 (dd, J=15.20, 8.00Hz, 1H), 2.88 (dd, J=15.20, 5.20Hz, 1H), 2.97 (dd, J=14.00, 5.20Hz, 1H), 3.08 (dd, J=14.00, 9.20Hz, 1H), 3.44 - 3.57 (m, 1H), 3.91 - 4.03 (m, 1H), 6.81 - 6.89 (m, 2H), 7.49 - 7.58 (m, 1H), 7.87 (s, 1H)	457	455	(S)
A-8		(400 MHz, DMSO-d6) 0.41 - 0.48 (m, 1H), 0.54 - 0.61 (m, 1H), 0.77 - 0.89 (m, 8H), 1.26 - 1.35 (m, 2H), 1.47 - 1.57 (m, 2H), 1.83 - 1.90 (m, 2H), 2.04 (s, 3H), 2.22 (s, 3H), 2.30 - 2.46 (m, 3H), 2.91 (dd, J=14.96, 6.38Hz, 1H), 3.12 (dd, J=15.07, 7.88Hz, 1H), 3.52 - 3.58 (m, 1H), 3.89 (d, J=16.00Hz, 1H), 4.00 (d, J=16.23Hz, 1H), 5.12 (t, J=7.07Hz, 1H), 6.92 (d, J=8.58Hz, 1H), 6.98 (s, 1H), 7.13 (d, J=8.12Hz, 1H), 9.59 (s, 1H), 12.64 (s, 1H)	469	467	Sin usar AUX-H

Fig. 3

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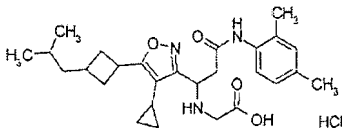
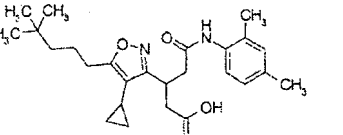
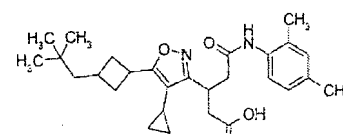
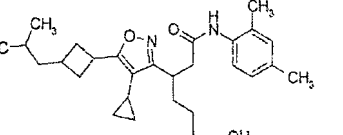
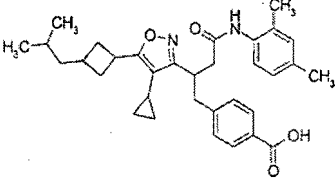
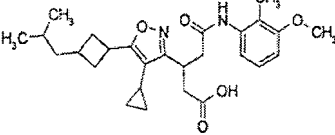
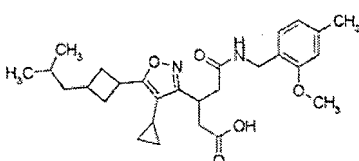
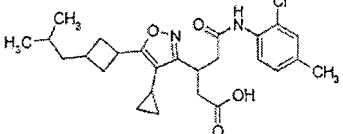
Ejemplo	Estructura	RMN	MS		Estereoquímica de AUX-H
			M+H	M-H	
A-9		(400 MHz, DMSO-d6) 0.40 - 0.61 (m, 2H), 0.76 - 0.89 (m, 2H), 0.86 (d, J=6.40Hz, 6H), 1.27 - 1.34 (m, 2H), 1.38 - 1.58 (m, 2H), 1.76 - 1.91 (m, 2H), 1.95 (s, 3H), 2.22 (s, 3H), 2.30 - 2.47 (m, 4H), 3.52 - 3.65 (m, 1H), 3.86 (brs, 2H), 4.87 - 5.00 (m, 1H), 6.93 (d, J=8.00Hz, 1H), 6.98 (s, 1H), 7.08 (d, J=8.00Hz, 1H), 9.61 (s, 1H)	468	466	Sin usar AUX-H
A-10		(400 MHz, CDCl3) 0.49 (m, 1H), 0.54 - 0.61 (m, 1H), 0.88 (s, 9H), 0.84 - 0.93 (m, 2H), 1.20 - 1.27 (m, 2H), 1.41 - 1.47 (m, 1H), 1.62 (tt, J=9.16, 4.52Hz, 2H), 2.13 (s, 3H), 2.28 (s, 3H), 2.71 (dt, J=25.43, 7.71Hz, 3H), 2.99 (ddt, J=50.24, 25.35, 8.46Hz, 3H), 3.97 (dd, J=8.46, 4.99Hz, 1H), 6.96 (d, J=4.87Hz, 2H), 7.52 (m, 1H), 7.83 (s, 1H)	441	439	(S)
A-11		(400 MHz, CDCl3) 0.47 (dt, J=19.07, 7.76Hz, 2H), 0.87 (s, 12H), 1.36 (d, J=5.64Hz, 2H), 2.00 (dd, J=25.59, 10.28Hz, 2H), 2.11 (s, 3H), 2.26 (s, 3H), 2.39 (dd, J=13.70, 8.06Hz, 3H), 2.75 (dd, J=14.71, 8.26Hz, 1H), 2.88 - 3.03 (m, 3H), 3.50 (d, J=9.67Hz, 1H), 3.94 (s, 1H), 6.98 (d, J=16.12Hz, 2H), 7.51 (d, J=7.66Hz, 1H), 7.71 (s, 1H)	467	465	(S)
A-12		(400 MHz, CDCl3) 0.31 - 0.40 (m, 1H), 0.44 - 0.53 (m, 1H), 0.79 - 0.91 (m, 8H), 1.30 - 1.38 (m, 2H), 1.39 - 1.93 (m, 8H), 1.97 - 2.07 (m, 1H), 2.02 (s, 3H), 2.25 (s, 3H), 2.30 - 2.44 (m, 4H), 2.71 - 2.80 (m, 1H), 2.92 - 3.02 (m, 1H), 3.45 - 3.62 (m, 2H), 6.92 - 6.97 (m, 2H), 7.43 (d, J=8.82Hz, 1H), 7.51 (s, 1H)	481	479	(R)

Fig. 4

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Ejemplo	Estructura	RMN	MS		Estereoquímica de AUX-H
			M+H	M-H	
A-13		(400 MHz, CDCl3) 0.30 (dd, J=9.81, 4.96Hz, 1H), 0.53 (dd, J=9.92, 4.65Hz, 1H), 0.80 - 0.85 (m, 2H), 0.87 (dd, J=13.23, 6.62Hz, 6H), 1.18 (td, J=6.82, 4.34Hz, 1H), 1.36 (t, J=6.62Hz, 2H), 1.52 - 1.59 (m, 1H), 1.91 (d, J=9.48Hz, 1H), 2.03 - 2.06 (m, 1H), 2.04 (brs, 3H), 2.23 (s, 3H), 2.37 (td, J=14.00, 7.13Hz, 3H), 2.78 (dd, J=13.89, 4.41Hz, 1H), 2.99 - 3.06 (m, 2H), 3.15 (dd, J=13.34, 6.51Hz, 1H), 3.50 (dd, J=18.31, 8.36Hz, 1H), 3.95 (dd, J=11.14, 4.96Hz, 1H), 6.92 - 6.94 (m, 2H), 7.13 (d, J=8.16Hz, 2H), 7.41 (d, J=8.36Hz, 1H), 7.86 (brs, 1H), 7.91 (d, J=8.16Hz, 2H)	529	527	(S)
A-14		(400 MHz, DMSO-d6) 0.41 - 0.52 (m, 2H), 0.74 - 0.83 (m, 2H), 0.85 (d, J=6.80Hz, 6H), 1.27 - 1.35 (m, 2H), 1.39 - 1.57 (m, 2H), 1.75 - 1.93 (m, 2H), 1.88 (s, 3H), 2.27 - 2.42 (m, 3H), 2.56 - 2.69 (m, 2H), 2.69 - 2.83 (m, 2H), 3.47 - 3.60 (m, 1H), 3.68 - 3.83 (m, 1H), 3.76 (s, 3H), 6.78 (d, J=8.00Hz, 1H), 6.96 (d, J=8.00Hz, 1H), 7.08 (dd, J=8.00, 8.00Hz, 1H), 9.33 (s, 1H), 12.19 (brs, 1H)	469	467	(S)
A-15		(400 MHz, DMSO-d6) 0.39 - 0.51 (m, 2H), 0.72 - 0.81 (m, 2H), 0.85 (d, J=6.40Hz, 6H), 1.26 - 1.34 (m, 2H), 1.37 - 1.47 (m, 1H), 1.47 - 1.58 (m, 1H), 1.76 - 1.88 (m, 2H), 2.27 (s, 3H), 2.31 - 2.42 (m, 3H), 2.42 - 2.62 (m, 3H), 2.67 (dd, J=16.00, 8.80Hz, 1H), 3.47 - 3.59 (m, 1H), 3.66 - 3.79 (m, 1H), 3.75 (s, 3H), 4.13 (t, J=6.00Hz, 2H), 6.65 (d, J=8.00Hz, 1H), 6.77 (s, 1H), 6.89 (d, J=8.00Hz, 1H), 8.14 (t, J=6.00Hz, 1H), 12.14 (brs, 1H)	483	481	(S)
A-16		(400 MHz, DMSO-d6) 0.44 - 0.49 (m, 2H), 0.79 (ddd, J=9.22, 5.16, 3.07Hz, 2H), 0.85 (d, J=6.49Hz, 6H), 1.30 (dd, J=6.72, 6.72Hz, 2H), 1.39 - 1.47 (m, 1H), 1.51 (t, J=6.72Hz, 1H), 1.79 - 1.87 (m, 2H), 2.27 (s, 3H), 2.29 - 2.43 (m, 3H), 2.66 - 2.75 (m, 4H), 3.53 (dt, J=20.41, 6.96Hz, 1H), 3.71 - 3.80 (m, 1H), 7.10 (dd, J=8.56, 1.39Hz, 1H), 7.29 (s, 1H), 7.45 (d, J=8.12Hz, 1H), 9.47 (s, 1H), 12.22 (brs, 1H)	473	471	(S)

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Fig. 5

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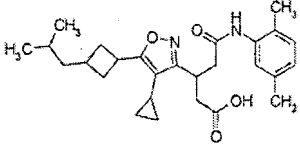
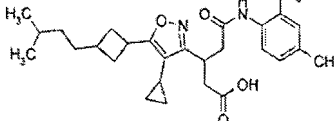
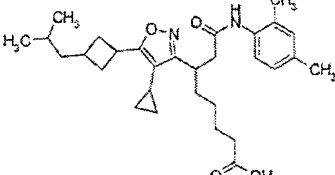
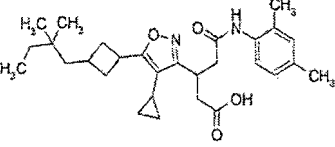
Ejemplo	Estructura	RMN	MS		Estereoquímica de AUX-H
			M+H	M-H	
A-17		(400 MHz, DMSO-d6) 0.47 - 0.48 (m, 2H), 0.78 - 0.81 (m, 2H), 0.85 (d, J=6.72Hz, 6H), 1.30 (dd, J=6.84, 6.84Hz, 2H), 1.40 - 1.55 (m, 2H), 1.77 - 1.88 (m, 2H), 2.02 (s, 3H), 2.22 (s, 3H), 2.30 - 2.42 (m, 3H), 2.57 - 2.79 (m, 4H), 3.51 - 3.56 (m, 1H), 3.73 - 3.81 (m, 1H), 6.87 (d, J=8.81Hz, 1H), 7.04 (d, J=7.68Hz, 1H), 7.11 (s, 1H), 9.26 (s, 1H), 12.23 (brs, 1H)	453	451	(S)
A-18		(400 MHz, DMSO-d6) 0.43 - 0.52 (m, 2H), 0.76 - 0.82 (m, 2H), 0.85 (d, J=6.72Hz, 6H), 0.87 (s, 3H), 1.04 - 1.12 (m, 2H), 1.34 - 1.42 (m, 2H), 1.43 - 1.54 (m, 2H), 1.76 - 1.86 (m, 2H), 2.21 - 2.24 (m, 1H), 2.22 (s, 3H), 2.31 - 2.41 (m, 2H), 2.57 - 2.66 (m, 2H), 2.69 - 2.79 (m, 2H), 3.48 - 3.57 (m, 1H), 3.73 - 3.80 (m, 1H), 6.92 (d, J=8.35Hz, 1H), 6.98 (s, 1H), 7.13 (d, J=8.12Hz, 1H), 9.23 (s, 1H), 12.21 (brs, 1H)	467	465	(S)
A-19		(400 MHz, CDCl3) 0.35 - 0.39 (m, 1H), 0.45 - 0.51 (m, 1H), 0.79 - 0.90 (m, 8H), 1.32 - 1.37 (m, 3H), 1.41 - 1.43 (m, 2H), 1.52 - 1.58 (m, 1H), 1.63 - 2.00 (m, 5H), 2.03 (s, 3H), 2.26 (s, 3H), 2.34 - 2.40 (m, 6H), 2.72 (dd, J=13.57, 4.52Hz, 1H), 2.96 (dd, J=13.68, 10.67Hz, 1H), 3.47 - 3.58 (m, 2H), 6.92 - 6.98 (m, 2H), 7.43 - 7.52 (m, 2H)	495	493	(R)
A-20		(400 MHz, DMSO-d6) 0.44 - 0.50 (m, 2H), 0.76 - 0.81 (m, 1H), 1.19 (q, J=7.50Hz, 2H), 1.32 (d, J=6.63Hz, 2H), 1.41 - 1.48 (m, 1H), 1.79 - 1.91 (m, 2H), 2.02 (s, 3H), 2.22 (s, 3H), 2.32 - 2.42 (m, 3H), 2.58 - 2.66 (m, 2H), 2.70 - 2.78 (m, 2H), 3.51 - 3.56 (m, 1H), 3.73 - 3.80 (m, 1H), 6.92 (d, J=8.12Hz, 1H), 6.97 (s, 1H), 7.13 (d, J=8.12Hz, 1H), 9.22 (s, 1H), 12.20 (brs, 1H)	481	479	(S)

Fig. 6

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Ejemplo	Estructura	RMN	MS		Estereoquímica de AUX-H
			M+H	M-H	
A-21		(400 MHz, CDCl3) 0.43 - 0.54 (m, 2H), 0.84 - 0.92 (m, 11H), 1.04 - 1.11 (m, 2H), 1.23 - 1.30 (m, 1H), 1.35 - 1.44 (m, 2H), 1.88 - 2.00 (m, 2H), 2.13 (s, 3H), 2.15 - 2.24 (m, 1H), 2.28 (s, 3H), 2.31 - 2.43 (m, 2H), 2.77 (dd, J=15.31, 8.12Hz, 1H), 2.89 - 2.99 (m, 2H), 3.04 (dd, J=14.03, 8.70Hz, 1H), 3.46 - 3.56 (m, 1H), 3.92 - 3.99 (m, 1H), 6.96 - 7.00 (m, 2H), 7.53 (d, J=8.58Hz, 1H), 7.68 (s, 1H)	481	479	(S)
A-22		(400 MHz, DMSO-d6) 0.43 - 0.53 (m, 2H), 0.75 - 0.82 (m, 2H), 0.85 (d, J=6.80Hz, 6H), 1.27 - 1.34 (m, 2H), 1.39 - 1.58 (m, 2H), 1.75 - 1.90 (m, 2H), 1.94 (s, 3H), 2.22 (s, 3H), 2.29 - 2.43 (m, 3H), 2.58 - 2.70 (m, 2H), 2.70 - 2.82 (m, 2H), 3.49 - 3.60 (m, 1H), 3.72 - 3.83 (m, 1H), 6.95 - 7.07 (m, 3H), 9.35 (s, 1H), 12.19 (brs, 1H)	453	451	(S)
A-23		(400 MHz, DMSO-d6) 0.42 - 0.52 (m, 2H), 0.75 - 0.89 (m, 2H), 0.84 (d, J=6.40Hz, 6H), 1.26 - 1.34 (m, 2H), 1.38 - 1.59 (m, 2H), 1.75 - 1.89 (m, 2H), 2.09 (s, 3H), 2.27 - 2.43 (m, 3H), 2.56 - 2.69 (m, 4H), 3.48 - 3.61 (m, 1H), 3.71 - 3.84 (m, 1H), 7.10 (dd, J=8.40, 2.00Hz, 1H), 7.20 (d, J=8.40Hz, 1H), 7.47 (d, J=2.00Hz, 1H), 9.36 (s, 1H), 12.22 (brs, 1H)	473	471	(S)
A-24		(400 MHz, DMSO-d6) 0.46 - 0.52 (m, 2H), 0.77 - 0.83 (m, 2H), 0.80 (d, J=6.85Hz, 6H), 1.33 - 1.40 (m, 1H), 1.42 - 1.49 (m, 1H), 1.95 - 2.14 (m, 4H), 2.02 (s, 3H), 2.22 (s, 3H), 2.31 - 2.40 (m, 1H), 2.58 - 2.67 (m, 2H), 2.70 - 2.78 (m, 2H), 3.40 - 3.49 (m, 1H), 3.73 - 3.80 (m, 1H), 6.92 (d, J=8.06Hz, 1H), 6.98 (s, 1H), 7.13 (d, J=8.06Hz, 1H), 9.22 (s, 1H), 12.21 (brs, 1H)	481	479	(S)

Fig. 7

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Ejemplo	Estructura	RMN	MS		Estereoquímica de AUX-H
			M-H	M-H	
A-25		(400 MHz, DMSO-d6) 0.46 - 0.58 (m, 2H), 0.75 - 0.85 (m, 2H), 0.80 (d, J=6.62Hz, 6H), 1.16 - 1.35 (m, 4H), 1.40 - 1.54 (m, 2H), 2.04 (s, 3H), 2.05 - 2.17 (m, 3H), 2.22 (s, 3H), 2.27 - 2.42 (m, 1H), 2.56 - 2.82 (m, 6H), 3.71 - 3.84 (m, 1H), 6.91 (d, J=7.94Hz, 1H), 6.97 (s, 1H), 7.13 (d, J=7.94Hz, 1H), 9.21 (brs, 1H), 12.23 (brs, 1H)	467	465	(S)
A-26		(400 MHz, DMSO-d6) 0.42 - 0.52 (m, 2H), 0.74 - 0.90 (m, 2H), 0.85 (d, J=6.80Hz, 6H), 1.25 - 1.35 (m, 2H), 1.39 - 1.58 (m, 2H), 1.75 - 1.89 (m, 2H), 2.26 - 2.43 (m, 3H), 2.59 - 2.88 (m, 4H), 3.47 - 3.60 (m, 1H), 3.70 - 3.83 (m, 1H), 7.19 (ddd, J=8.40, 6.00, 2.80Hz, 1H), 7.47 (dd, J=8.80, 2.80Hz, 1H), 7.57 (dd, J=8.80, 6.00Hz, 1H), 9.59 (s, 1H), 12.22 (brs, 1H)	477	475	(S)
A-27		(400 MHz, CDCl3) 0.64 - 0.65 (m, 1H), 0.81 - 0.83 (m, 1H), 0.89 (d, J=6.84Hz, 6H), 0.98 (d, J=10.59Hz, 2H), 1.42 (t, J=6.69Hz, 2H), 1.50 - 1.58 (m, 2H), 1.94 (s, 3H), 2.22 - 2.24 (m, 2H), 2.23 (s, 3H), 2.36 (q, J=9.56Hz, 1H), 2.75 (q, J=137.16Hz, 5H), 3.06 (dd, J=24.92, 14.34Hz, 1H), 3.97 (dd, J=10.03, 5.40Hz, 1H), 4.74 - 4.83 (m, 1H), 6.90 - 6.94 (m, 2H), 7.30 (t, J=8.60Hz, 1H), 7.99 (brs, 1H)	453	451	(S)
A-28		(400 MHz, DMSO-d6) 0.39 - 0.54 (m, 2H), 0.72 - 0.91 (m, 2H), 0.84 (d, J=6.40Hz, 6H), 1.23 - 1.35 (m, 2H), 1.37 - 1.56 (m, 2H), 1.73 - 1.89 (m, 2H), 2.25 - 2.43 (m, 3H), 2.59 (dd, J=16.40, 6.40Hz, 1H), 2.55 - 2.79 (m, 2H), 2.85 (dd, J=15.60, 7.20Hz, 1H), 3.46 - 3.60 (m, 1H), 3.68 - 3.85 (m, 1H), 7.16 - 7.29 (m, 1H), 7.40 - 7.52 (m, 1H), 7.80 - 7.93 (m, 1H), 9.85 (s, 1H), 12.22 (brs, 1H)	477	475	(S)

Fig. 8

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Ejemplo	Estructura	RMN	MS		Estereoquímica de AUX-H
			M+H	M-H	
A-29		(400 MHz, DMSO-d6) 0.41 - 0.62 (m, 2H), 0.75 - 0.88 (m, 2H), 0.84 (d, J=6.80Hz, 6H), 1.25 - 1.34 (m, 2H), 1.38 - 1.60 (m, 2H), 1.74 - 1.89 (m, 2H), 2.27 (s, 3H), 2.29 - 2.42 (m, 3H), 2.59 (dd, J=16.00, 6.40Hz, 1H), 2.63 - 2.86 (m, 3H), 3.46 - 3.60 (m, 1H), 3.68 - 3.83 (m, 1H), 6.93 (d, J=8.40Hz, 1H), 7.04 (d, J=12.00Hz, 1H), 7.55 - 7.67 (m, 1H), 9.63 (s, 1H), 12.20 (brs, 1H)	457	455	(S)
A-30		(400 MHz, DMSO-d6) 0.56 - 0.62 (m, 1H), 0.73 - 0.81 (m, 2H), 0.82 - 0.86 (m, 6H), 1.00 (d, J=6.72Hz, 3H), 1.27 - 1.31 (m, 2H), 1.36 - 1.43 (m, 1H), 1.46 - 1.54 (m, 1H), 1.74 - 1.86 (m, 2H), 1.90 (s, 3H), 2.20 (s, 3H), 2.29 - 2.43 (m, 4H), 2.58 - 2.69 (m, 2H), 2.81 - 2.88 (m, 1H), 3.50 - 3.56 (m, 1H), 3.62 - 3.70 (m, 1H), 6.88 (d, J=8.12Hz, 1H), 6.93 (s, 1H), 7.02 (d, J=8.12Hz, 1H), 9.31 (s, 1H), 12.43 (brs, 1H)	467	465	(S)
A-31		(400 MHz, CDCl3) 0.37 (t, J=5.64Hz, 1H), 0.48 (t, J=5.24Hz, 1H), 0.82 (dt, J=8.33, 2.12Hz, 1H), 0.87 (t, J=5.84Hz, 7H), 1.25 (q, J=3.63Hz, 4H), 1.32 - 1.38 (m, 3H), 1.51 - 1.58 (m, 2H), 1.74 (dd, J=13.50, 5.44Hz, 1H), 1.95 (dd, J=34.25, 8.87Hz, 2H), 2.04 (s, 3H), 2.25 (s, 3H), 2.34 (ddd, J=27.40, 14.71, 6.45Hz, 3H), 2.64 (d, J=5.64Hz, 1H), 2.83 (od, J=13.90, 5.04Hz, 1H), 2.96 (dd, J=13.90, 9.87Hz, 1H), 3.49 (t, J=8.67Hz, 1H), 3.69 (s, 1H), 6.94 (d, J=5.64Hz, 2H), 7.42 (d, J=8.87Hz, 1H), 7.60 (s, 1H)	481	479	(R)
A-32		(400 MHz, DMSO-d6) 0.41 - 0.46 (m, 1H), 0.49 - 0.55 (m, 1H), 0.74 - 0.80 (m, 2H), 0.82 - 0.86 (m, 7H), 1.08 (d, J=6.96Hz, 3H), 1.29 (t, J=6.84Hz, 2H), 1.38 - 1.44 (m, 1H), 1.47 - 1.55 (m, 1H), 1.74 - 1.89 (m, 2H), 1.96 (s, 3H), 2.20 (s, 3H), 2.32 - 2.37 (m, 2H), 2.51 - 2.59 (m, 1H), 2.74 - 2.89 (m, 2H), 3.47 - 3.56 (m, 1H), 3.82 - 3.88 (m, 1H), 6.89 (d, J=8.58Hz, 1H), 6.94 (s, 1H), 7.07 (d, J=8.12Hz, 1H), 9.19 (s, 1H), 12.30 (s, 1H)	467	465	(S)

Fig. 9

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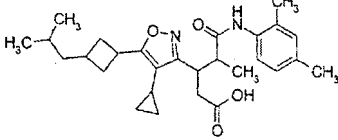
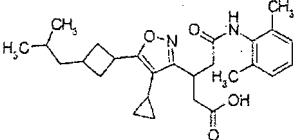
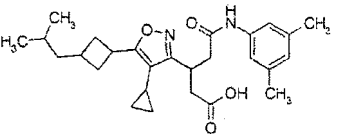
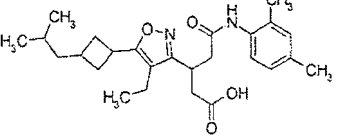
Ejemplo	Estructura	RMN	MS		Estereoquímica de AUX-H
			M+H	M-H	
A-33		(400 MHz, CDCl3) 0.42-0.51 (m, 2H), 0.79 - 0.89 (m, 9H), 1.29 - 1.43 (m, 5H), 1.48 - 1.56 (m, 1H), 1.83 - 1.98 (m, 1H), 2.08 (s, 3H), 2.24 - 2.39 (m, 4H), 2.25 (s, 3H), 2.80 - 2.94 (m, 2H), 3.01 - 3.12 (m, 1H), 3.44 - 3.52 (m, 1H), 3.73 - 3.81 (m, 1H), 6.92 - 6.97 (m, 2H), 7.36 (d, J=10.80Hz, 1H), 7.51 (s, 1H)	467	465	(S)
A-34		(400 MHz, DMSO-d6) 0.39 - 0.54 (m, 2H), 0.73 - 0.81 (m, 2H), 0.85 (d, J=6.80Hz, 6H), 1.26 - 1.34 (m, 2H), 1.41 - 1.58 (m, 2H), 1.74 - 1.89 (m, 2H), 1.97 (s, 6H), 2.26 - 2.43 (m, 3H), 2.62 (dd, J=16.00, 6.80Hz, 1H), 2.65 (dd, 1H, J=14.80, 6.80Hz, 1H), 2.72 (dd, J=16.00, 8.00Hz, 1H), 2.80 (dd, J=14.80, 8.40Hz, 1H), 3.48 - 3.59 (m, 1H), 3.71 - 3.83 (m, 1H), 6.97 - 7.04 (m, 3H), 9.25 (s, 1H), 12.23 (brs, 1H)	453	451	(S)
A-35		(400 MHz, DMSO-d6) 0.42 - 0.52 (m, 2H), 0.75 - 0.87 (m, 2H), 0.83 (d, J=6.40Hz, 6H), 1.22 - 1.33 (m, 2H), 1.37 - 1.57 (m, 2H), 1.73 - 1.87 (m, 2H), 2.20 (s, 6H), 2.26 - 2.41 (m, 3H), 2.55 (dd, J=16.40, 6.80Hz, 1H), 2.61 (dd, 1H, J=15.20, 7.20Hz, 1H), 2.70 (dd, J=16.40, 8.00Hz, 1H), 2.75 (dd, J=15.20, 7.60Hz, 1H), 3.46 - 3.58 (m, 1H), 3.70 - 3.82 (m, 1H), 6.66 (s, 1H), 7.16 (s, 2H), 9.78 (s, 1H), 12.22 (brs, 1H)	453	451	(S)
A-36		(400 MHz, DMSO-d6) 0.84 (d, J=6.40Hz, 6H), 1.02 (t, J=7.20Hz, 3H), 1.25 - 1.34 (m, 2H), 1.44 - 1.58 (m, 1H), 1.73 - 1.88 (m, 2H), 2.00 (s, 3H), 2.21 (s, 3H), 2.26 - 2.42 (m, 5H), 2.55 - 2.74 (m, 4H), 3.40 - 3.52 (m, 1H), 3.52 - 3.64 (m, 1H), 6.91 (d, J=8.40Hz, 1H), 6.97 (s, 1H), 7.11 (s, 1H), 9.23 (s, 1H), 12.24 (brs, 1H)	441	439	(S)

Fig. 10

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Ejemplo	Estructura	RMN	MS		Estereoquímica de AUX-H
			M+H	M-H	
A-37		(400 MHz, CDCl3) 0.40 - 0.47 (m, 2H), 0.79 - 0.85 (m, 1H), 0.88 (dd, J=12.17, 5.45Hz, 7H), 1.25 (d, J=6.96Hz, 4H), 1.33 - 1.43 (m, 3H), 1.52 - 1.58 (m, 1H), 1.87 - 2.03 (m, 2H), 2.05 (d, J=4.87Hz, 3H), 2.12 - 2.20 (m, 1H), 2.26 (s, 3H), 2.32 - 2.42 (m, 3H), 2.53 (dt, J=5.02, 1.80Hz, 1H), 2.79 (dd, J=13.57, 5.22Hz, 1H), 2.89 (dd, J=13.68, 9.97Hz, 1H), 3.49 - 3.51 (m, 1H), 3.64 - 3.67 (m, 1H), 6.95 (d, J=4.17Hz, 2H), 7.39 (t, J=4.29Hz, 1H), 7.57 (s, 1H)	481	479	(R)
A-38		(400 MHz, CDCl3) 0.33 - 0.40 (m, 1H), 0.67 - 0.76 (m, 1H), 0.80 - 0.91 (m, 9H), 1.27 - 1.39 (m, 2H), 1.30 (s, 3H), 1.36 (s, 3H), 1.48 - 1.58 (m, 1H), 1.81 - 1.93 (m, 1H), 1.95 (s, 3H), 2.00 - 2.09 (m, 1H), 2.25 (s, 3H), 2.29 - 2.43 (m, 3H), 2.88 (dd, J=13.57, 3.13Hz, 1H), 3.10 (t, J=12.99Hz, 1H), 3.49 - 3.58 (m, 1H), 3.86 - 3.95 (m, 1H), 6.90-6.94 (m, 2H), 7.23 (d, J=8.12Hz, 1H), 7.84 (brs, 1H)	481	479	(S)
A-39		(400 MHz, CDCl3) 0.46 (s, 2H), 0.88 (d, J=6.45Hz, 10H), 1.38 (d, J=5.64Hz, 3H), 2.00 (dd, J=22.36, 9.47Hz, 2H), 2.12 (s, 3H), 2.28 (s, 4H), 2.39 (t, J=10.48Hz, 3H), 2.77 (d, J=8.46Hz, 1H), 2.93 (t, J=10.28Hz, 2H), 3.04 (d, J=8.06Hz, 1H), 3.50 (d, J=8.06Hz, 1H), 3.94 (s, 1H), 6.86 (d, J=7.66Hz, 1H), 7.02 (d, J=7.66Hz, 1H), 7.55 (s, 1H), 7.75 (s, 1H)	467	465	(S)
A-40		(400 MHz, DMSO-d6) 0.41 - 0.53 (m, 2H), 0.73 - 0.82 (m, 2H), 0.84 (d, J=6.80Hz, 6H), 1.00 (t, J=7.20Hz, 3H), 1.25 - 1.34 (m, 2H), 1.38 - 1.58 (m, 2H), 1.74 - 1.88 (m, 2H), 2.24 (s, 3H), 2.29 - 2.45 (m, 5H), 2.55 - 2.68 (m, 2H), 2.68 - 2.82 (m, 2H), 3.47 - 3.59 (m, 1H), 3.69 - 3.82 (m, 1H), 6.92 (d, J=8.00Hz, 1H), 6.98 (s, 1H), 7.08 (d, J=8.00Hz, 1H), 9.21 (s, 1H), 12.22 (brs, 1H)	467	465	(S)

Fig. 11

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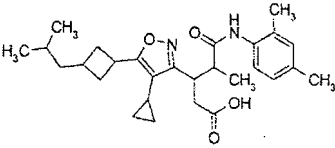
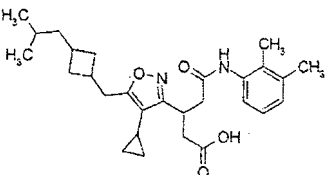
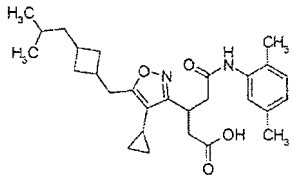
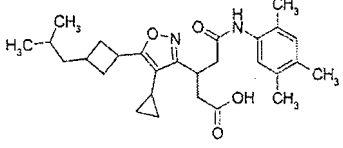
Ejemplo	Estructura	RMN	MS		Estereoquímica de AUX-H
			M+H	M-H	
A-41		(400 MHz, CDCl ₃) 0.39 - 0.46 (m, 1H), 0.50 - 0.55 (m, 1H), 0.83 - 0.89 (m, 9H), 1.25 (d, J=6.96Hz, 3H), 1.32 - 1.44 (m, 3H), 1.49 - 1.60 (m, 1H), 1.93 - 2.04 (m, 2H), 2.21 (s, 3H), 2.29 (s, 3H), 2.31 - 2.43 (m, 2H), 2.81 (dd, J=16.12, 4.99Hz, 1H), 2.91 - 3.05 (m, 2H), 3.45 - 3.57 (m, 1H), 3.69 - 3.77 (m, 1H), 6.98 - 7.02 (m, 2H), 7.46 (s, 1H), 7.68 (d, J=8.81Hz, 1H)	467	465	(S)
A-42		(400 MHz, CDCl ₃) 0.44 - 0.61 (m, 2H), 0.83 (d, J=6.72Hz, 6H), 0.87 - 0.94 (m, 2H), 1.19 - 1.37 (m, 4H), 1.39 - 1.55 (m, 2H), 2.02 (s, 3H), 2.07 - 2.23 (m, 3H), 2.26 (s, 3H), 2.35 - 2.46 (m, 1H), 2.68 - 2.78 (m, 3H), 2.88 (dd, J=16.31, 5.33Hz, 1H), 2.98 (dd, J=14.03, 5.10Hz, 1H), 3.07 (dd, J=14.03, 9.39Hz, 1H), 3.95 - 4.05 (m, 1H), 6.98 (d, J=7.65Hz, 1H), 7.04 (t, J=7.65Hz, 1H), 7.34 (d, J=7.65Hz, 1H), 7.88 (brs, 1H)	467	465	(S)
A-43		(400 MHz, CDCl ₃) 0.46 - 0.60 (m, 2H), 0.83 (d, J=6.72Hz, 6H), 0.87 - 0.93 (m, 2H), 1.24 (t, J=6.96Hz, 2H), 1.31 (t, J=9.86Hz, 2H), 1.39 - 1.54 (m, 2H), 2.10 (s, 3H), 2.11 - 2.23 (m, 3H), 2.28 (s, 3H), 2.36 - 2.45 (m, 1H), 2.68 - 2.78 (m, 3H), 2.89 (dd, J=15.42, 5.22Hz, 1H), 2.97 (dd, J=14.03, 5.10Hz, 1H), 3.07 (dd, J=14.03, 9.16Hz, 1H), 3.97 - 4.01 (m, 1H), 6.86 (d, J=7.65Hz, 1H), 7.02 (d, J=7.65Hz, 1H), 7.52 (s, 1H), 7.85 (brs, 1H)	467	465	(S)
A-44		(400 MHz, DMSO-d ₆) 0.41 - 0.53 (m, 2H), 0.74 - 0.83 (m, 2H), 0.85 (d, J=6.80Hz, 6H), 1.25 - 1.35 (m, 2H), 1.39 - 1.58 (m, 2H), 1.76 - 1.89 (m, 2H), 1.98 (s, 3H), 2.12 (s, 3H), 2.13 (s, 3H), 2.27 - 2.43 (m, 3H), 2.57 - 2.69 (m, 2H), 2.69 - 2.81 (m, 2H), 3.47 - 3.61 (m, 1H), 3.69 - 3.84 (m, 1H), 6.92 (s, 1H), 7.01 (s, 1H), 9.18 (s, 1H), 12.20 (brs, 1H)	467	465	(S)

Fig. 12

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Ejemplo	Estructura	RMN	MS		Estereoquímica de AUX-H
			M+H	M-H	
A-45		(400 MHz, DMSO-d6) 0.41 - 0.52 (m, 2H), 0.75 - 0.88 (m, 2H), 0.84 (d, J=6.80Hz, 6H), 1.25 - 1.34 (m, 2H), 1.39 - 1.59 (m, 2H), 1.73 - 1.88 (m, 2H), 2.26 - 2.42 (m, 3H), 2.58 (dd, J=16.60, 6.80Hz, 1H), 2.65 - 2.78 (m, 2H), 2.82 (dd, J=15.20, 7.50Hz, 1H), 3.47 - 3.60 (m, 1H), 3.68 - 3.82 (m, 1H), 3.91 (s, 3H), 7.02 - 7.12 (m, 1H), 7.36 - 7.46 (m, 1H), 9.77 (s, 1H), 12.25 (brs, 1H)	491	489	(S)
A-46		(400 MHz, DMSO-d6) 0.42 - 0.53 (m, 2H), 0.74 - 0.83 (m, 2H), 0.85 (d, J=6.40Hz, 6H), 1.26 - 1.35 (m, 2H), 1.39 - 1.58 (m, 2H), 1.75 - 1.89 (m, 2H), 1.95 (s, 3H), 2.16 (s, 3H), 2.29 - 2.43 (m, 3H), 2.66 - 2.69 (m, 2H), 2.69 - 2.83 (m, 2H), 3.48 - 3.59 (m, 1H), 3.60 (s, 3H), 3.70 - 3.85 (m, 1H), 6.90 - 6.99 (m, 2H), 9.28 (s, 1H), 12.21 (brs, 1H)	483	481	(S)
A-47		(400 MHz, DMSO-d6) 0.45 - 0.50 (m, 2H), 0.78 - 0.86 (m, 8H), 1.28 (t, J=6.73Hz, 2H), 1.47 (m, 2H), 1.81 (m, 2H), 2.14 (s, 3H), 2.16 (s, 3H), 2.35 (m, 3H), 2.58 (m, 2H), 2.72 (m, 2H), 3.53 (m, 1H), 3.74 - 3.81 (m, 1H), 7.01 (d, J=8.38Hz, 1H), 7.24 (dd, J=8.16, 1.98Hz, 1H), 7.32 (d, J=1.76Hz, 1H), 9.77 (s, 1H), 12.21 (s, 1H)	453	451	(S)
A-48		(400 MHz, CDCl3) 0.45 - 0.52 (m, 2H), 0.87 - 0.89 (m, 2H), 0.87 - 0.89 (br m, 6H), 1.34 (t, J=6.84Hz, 2H), 1.38 - 1.42 (m, 1H), 1.51 - 1.58 (m, 1H), 1.91 - 1.99 (m, 2H), 2.07 (s, 3H), 2.18 (s, 3H), 2.33 - 2.40 (m, 3H), 2.72 - 2.75 (m, 1H), 2.90 - 2.97 (m, 2H), 3.07 - 3.11 (m, 1H), 3.48 - 3.60 (m, 1H), 3.97 - 3.99 (m, 1H), 6.92 (d, J=8.35Hz, 1H), 7.52 (d, J=11.36Hz, 1H), 7.91 (s, 1H)	471	469	(S)

Fig. 13

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Ejemplo	Estructura	RMN	MS		Estereoquímica de AUX-H
			M+H	M-H	
A-49		(400 MHz, CDCl3) 0.84 - 0.88 (m, 6H), 1.25 - 1.27 (m, 2H), 1.31 - 1.37 (m, 2H), 1.49 - 1.58 (m, 1H), 1.93 - 2.04 (m, 4H), 2.14 (s, 3H), 2.27 (s, 3H), 2.30 - 2.40 (m, 2H), 2.69 (dd, J=15.31, 8.35Hz, 1H), 2.84 (dd, J=15.31, 5.33Hz, 1H), 2.92 (dd, J=14.03, 5.22Hz, 1H), 3.03 (dd, J=14.03, 8.46Hz, 1H), 3.35 - 3.45 (m, 1H), 3.79-3.88 (m, 1H), 4.92 (s, 1H), 5.27 (s, 1H), 6.95 - 6.99 (m, 2H), 7.55 (d, J=8.58Hz, 1H), 7.72 (s, 1H)	453	451	(S)
A-50		(400 MHz, DMSO-d6) 0.38 - 0.54 (m, 2H), 0.71 - 0.87 (m, 2H), 0.83 (d, J=6.40Hz, 6H), 1.11 (t, J=7.60Hz, 3H), 1.25 - 1.34 (m, 2H), 1.38 - 1.57 (m, 2H), 1.74 - 1.88 (m, 2H), 2.01 (s, 3H), 2.26 - 2.41 (m, 3H), 2.50 (q, J=7.60Hz, 2H), 2.57 - 2.68 (m, 2H), 2.68 - 2.81 (m, 2H), 3.46 - 3.59 (m, 1H), 3.67 - 3.83 (m, 1H), 6.89 (d, J=8.00Hz, 1H), 7.06 (d, J=8.00Hz, 1H), 7.10 (s, 1H), 9.24 (s, 1H), 12.19 (brs, 1H)	467	465	(S)
A-51		(400 MHz, DMSO-d6) 0.40 - 0.50 (m, 2H), 0.72 - 0.83 (m, 2H), 0.84 (d, J=6.80Hz, 6H), 1.13 (t, J=7.60Hz, 3H), 1.25 - 1.33 (m, 2H), 1.38 - 1.57 (m, 2H), 1.72 - 1.88 (m, 2H), 2.02 (s, 3H), 2.26 - 2.42 (m, 3H), 2.50 (q, J=7.60Hz, 2H), 2.55 - 2.67 (m, 2H), 2.68 - 2.79 (m, 2H), 3.46 - 3.58 (m, 1H), 3.68 - 3.81 (m, 1H), 6.90 - 6.97 (m, 1H), 6.99 (s, 1H), 7.14 (d, J=8.40Hz, 1H), 9.22 (s, 1H), 12.20 (brs, 1H)	467	465	(S)
A-52		(400 MHz, CDCl3) 0.37 (m, 1H), 0.52 (m, 1H), 0.76 - 0.84 (m, 2H), 0.86 (dd, J=11.03, 4.41Hz, 6H), 1.21 (s, 3H), 1.27 (s, 3H), 1.30 - 1.43 (m, 4H), 1.52 (td, J=13.34, 6.69Hz, 1H), 1.90 (dq, J=35.95, 8.78Hz, 2H), 2.02 (s, 3H), 2.12 (tt, J=24.15, 8.01Hz, 1H), 2.25 (s, 3H), 2.33 (tt, J=15.22, 5.18Hz, 3H), 2.73 - 2.87 (m, 2H), 3.46 (dd, J=17.75, 8.05Hz, 1H), 3.69 (dd, J=9.37, 5.62Hz, 1H), 6.91 (d, J=5.73Hz, 2H), 7.34 (m, 1H), 7.41 (s, 1H)	495	493	(R)

Fig. 14

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Ejemplo	Estructura	RMN	MS		Estereoquímica de AUX-H
			M+H	M-H	
A-53		(400 MHz, CDCl3) 0.36 (dd, J=9.37, 4.74Hz, 1H), 0.48 (dd, J=9.70, 4.85Hz, 1H), 0.80 - 0.82 (m, 2H), 0.87 (s, 9H), 1.34 - 1.37 (m, 1H), 1.39 (d, J=6.55Hz, 2H), 1.93 - 2.09 (m, 3H), 1.93 (s, 3H), 2.14 - 2.17 (m, 1H), 2.25 (s, 3H), 2.35 - 2.43 (m, 5H), 2.75 (dd, J=13.67, 4.85Hz, 1H), 2.95 (dd, J=13.67, 10.59Hz, 1H), 3.49 - 3.51 (m, 1H), 3.65 - 3.67 (m, 1H), 6.93 - 6.94 (m, 2H), 7.39 (d, J=8.60Hz, 1H), 7.57 (s, 1H)	481	479	(R)
A-54		(400 MHz, CDCl3) 0.47 (m, 2H), 0.79 - 0.89 (m, 8H), 1.23 (td, J=13.34, 6.25Hz, 1H), 1.33 - 1.45 (m, 2H), 1.54 (td, J=13.18, 6.54Hz, 1H), 1.96 (dd, J=17.09, 7.39Hz, 2H), 2.05 (s, 3H), 2.17 (s, 3H), 2.24 (s, 3H), 2.28 - 2.57 (m, 3H), 2.75 (dd, J=15.00, 8.16Hz, 1H), 2.87 - 3.07 (m, 3H), 3.45 - 3.53 (m, 1H), 4.06 (t, J=33.85Hz, 1H), 6.97 (t, J=10.03Hz, 1H), 7.16 (t, J=10.14Hz, 1H), 7.61 (s, 1H)	467	465	(S)
A-55		(400 MHz, CDCl3) 0.47 (m, 2H), 0.87 (m, 8H), 1.39 (dt, J=31.91, 6.89Hz, 3H), 1.51 - 1.56 (m, 1H), 1.97 (dd, J=20.29, 9.48Hz, 5H), 2.23 (s, 3H), 2.25 (s, 3H), 2.38 (d, J=14.11Hz, 3H), 2.78 (dd, J=15.00, 8.16Hz, 1H), 2.98 (tt, J=22.61, 7.02Hz, 3H), 3.50 (dd, J=17.97, 8.49Hz, 1H), 3.94 (t, J=5.62Hz, 1H), 6.83 (s, 1H), 7.22 (t, J=3.86Hz, 1H), 7.65 (s, 1H)	467	465	(S)
A-56		(400 MHz, CDCl3) 0.37 (t, J=5.18Hz, 1H), 0.49 (t, J=5.29Hz, 1H), 0.82 (d, J=8.38Hz, 2H), 0.88 (t, J=7.72Hz, 6H), 1.06 - 1.11 (m, 2H), 1.37 - 1.44 (m, 3H), 1.51 (td, J=13.12, 6.47Hz, 1H), 1.86 - 2.11 (m, 7H), 2.18 (dt, J=22.13, 7.39Hz, 1H), 2.29 (t, J=8.49Hz, 3H), 2.37 (dt, J=25.44, 9.21Hz, 4H), 2.75 (dd, J=13.45, 4.41Hz, 1H), 2.98 (t, J=12.24Hz, 1H), 3.44 - 3.53 (m, 1H), 3.68 (d, J=5.51Hz, 1H), 6.84 (d, J=7.28Hz, 1H), 7.00 (d, J=7.50Hz, 1H), 7.44 (s, 1H), 7.57 (s, 1H)	481	479	(R)

Fig. 15

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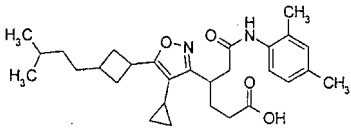
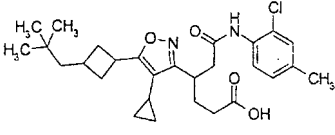
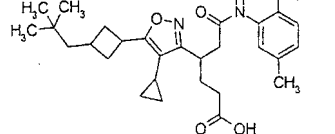
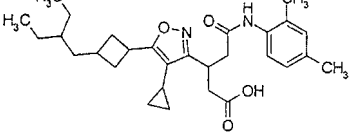
Ejemplo	Estructura	RMN	MS		Estereoquímica de AUX-H
			M+H	M-H	
A-57		(400 MHz, CDCl3) 0.36 (t, J=5.29Hz, 1H), 0.48 (t, J=5.18Hz, 1H), 0.82 (d, J=8.38Hz, 2H), 0.89 (t, J=7.72Hz, 6H), 1.09 (dd, J=15.55, 7.39Hz, 2H), 1.36-1.45 (m, 3H), 1.48 - 1.54 (m, 1H), 1.94 (dq, J=36.22, 9.96Hz, 7H), 2.14 - 2.21 (m, 1H), 2.25 (s, 3H), 2.38 (dd, J=22.05, 13.67Hz, 4H), 2.75 (d, J=10.37Hz, 1H), 2.96 (t, J=11.80Hz, 1H), 3.44 - 3.53 (m, 1H), 3.65 (s, 1H), 6.96 (t, J=11.91Hz, 2H), 7.44 (t, J=13.56Hz, 2H)	481	479	(R)
A-58		(400 MHz, CDCl3) 0.37 - 0.40 (m, 1H), 0.44 - 0.49 (m, 1H), 0.77 - 0.90 (m, 2H), 0.77 (s, 9H), 1.33 - 1.37 (m, 1H), 1.35 (d, J=10.00Hz, 2H), 1.96 - 2.18 (m, 4H), 2.26 (s, 3H), 2.36 - 2.39 (m, 5H), 2.75 (dd, J=14.11, 5.07Hz, 1H), 3.00 - 3.03 (m, 1H), 3.45 - 3.51 (m, 1H), 3.63 - 3.66 (m, 1H), 7.01 (d, J=8.38Hz, 1H), 7.12 (s, 1H), 7.84 (s, 1H), 8.03 (d, J=8.16Hz, 1H)	501	499	(R)
A-59		(400 MHz, CDCl3) 0.36 - 0.37 (m, 1H), 0.48 - 0.50 (m, 1H), 0.81 - 0.82 (m, 2H), 0.87 (s, 9H), 1.37 - 1.38 (m, 1H), 1.37 (d, J=10.00Hz, 2H), 2.00-2.09 (m, 4H), 2.05 (s, 3H), 2.26 (s, 3H), 2.36 - 2.40 (m, 5H), 2.76 (dd, J=13.67, 4.63Hz, 1H), 2.97 (dd, J=12.02, 6.01Hz, 1H), 3.49 - 3.51 (m, 1H), 3.65 - 3.68 (m, 1H), 6.84 (d, J=7.72Hz, 1H), 6.99 (d, J=7.72Hz, 1H), 7.40 (s, 1H), 7.68 (s, 1H)	481	479	(R)
A-60		(400 MHz, CDCl3) 0.53 - 0.38 (m, 2H), 0.84 (t, J=7.25Hz, 6H), 0.89 - 0.79 (m, 2H), 1.20 - 1.11 (m, 1H), 1.32 - 1.20 (m, 4H), 1.43 - 1.33 (m, 3H), 2.04 - 1.87 (m, 2H), 2.10 (s, 3H), 2.25 (s, 3H), 2.43 - 2.28 (m, 3H), 2.79 - 2.65 (m, 1H), 3.01 - 2.84 (m, 2H), 3.11 - 3.01 (m, 1H), 3.55 - 3.42 (m, 1H), 4.00 - 3.90 (m, 1H), 6.98 - 6.91 (m, 2H), 7.50 (d, J=8.46Hz, 1H), 7.78 (s, 1H)	481	479	(S)

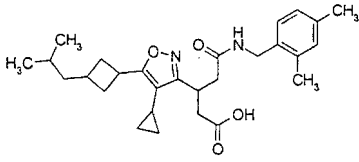
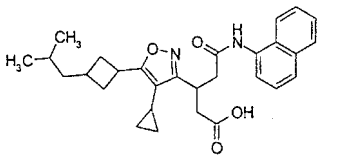
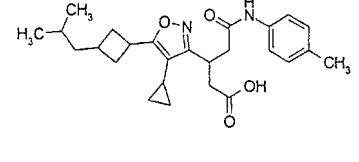
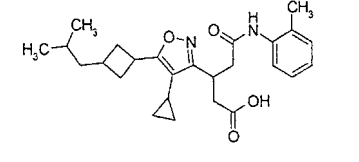
Fig. 16

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Ejemplo	Estructura	RMN	MS		Estereoquímica de AUX-H
			M+H	M-H	
A-61		(400 MHz, DMSO-d6) 0.40 - 0.50 (m, 2H), 0.73 - 0.80 (m, 2H), 0.85 (d, J=6.40Hz, 6H), 1.26 - 1.34 (m, 2H), 1.36 - 1.46 (m, 1H), 1.46 - 1.58 (m, 1H), 1.76 - 1.88 (m, 2H), 2.14 (s, 3H), 2.22 (s, 3H), 2.28 - 2.71 (m, 7H), 3.46 - 3.59 (m, 1H), 3.64 - 3.77 (m, 1H), 4.09 (dd, J=14.80, 5.60Hz, 1H), 4.18 (dd, J=14.80, 5.60Hz, 1H), 6.89 (d, J=8.40Hz, 1H), 6.93 (s, 1H), 6.96 (d, J=8.40Hz, 1H), 8.18 (t, J=5.60Hz, 1H), 12.18 (brs, 1H)	467	465	(S)
A-62		(400 MHz, CDCl3) 0.40 - 0.49 (m, 2H), 0.82 - 0.86 (m, 2H), 0.85 (d, J=6.62Hz, 6H), 1.27 - 1.30 (m, 2H), 1.37 - 1.39 (m, 1H), 1.48 - 1.54 (m, 1H), 1.85 - 1.96 (m, 2H), 2.32 - 2.33 (m, 3H), 2.77 (dd, J=15.22, 8.16Hz, 1H), 2.92 (dd, J=15.33, 4.96Hz, 1H), 3.10 (dd, J=14.11, 4.85Hz, 1H), 3.23 (dd, J=18.86, 4.74Hz, 1H), 3.45 - 3.47 (m, 1H), 4.04 - 4.06 (m, 1H), 7.39 - 7.43 (m, 3H), 7.64 (d, J=8.16Hz, 1H), 7.77 - 7.79 (m, 3H), 8.60 (s, 1H)	475	473	(S)
A-63		(400 MHz, DMSO-d6) 0.45 - 0.50 (m, 2H), 0.78 - 0.86 (m, 8H), 1.28 (t, J=6.72Hz, 2H), 1.41 - 1.54 (m, 2H), 1.81 (m, 2H), 2.23 (s, 3H), 2.28 - 2.41 (m, 3H), 2.52 - 2.78 (m, 4H), 3.48 - 3.55 (m, 1H), 3.75 - 3.82 (m, 1H), 7.07 (d, J=8.35Hz, 2H), 7.42 (d, J=8.35Hz, 2H), 9.86 (s, 1H), 12.23 (s, 1H)	439	437	(S)
A-64		(400 MHz, DMSO-d6) 0.48 (t, J=2.43Hz, 2H), 0.80 (td, J=4.17, 1.70Hz, 2H), 0.85 (d, J=6.61Hz, 6H), 1.30 (t, J=6.84Hz, 2H), 1.45 - 1.52 (m, 2H), 1.81 - 1.84 (m, 2H), 2.07 (s, 3H), 2.33 - 2.37 (m, 3H), 2.59 - 2.81 (m, 4H), 3.52 - 3.55 (m, 1H), 3.77 - 3.79 (m, 1H), 7.10 - 7.23 (m, 4H), 9.30 (s, 1H), 12.20 (s, 1H)	439	437	(S)

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Fig. 17

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Ejemplo	Estructura	RMN	MS		Estereoquímica de AUX-H
			M+H	M-H	
A-65		(400 MHz, CDCl3) 0.38 - 0.28 (m, 1H), 0.61 - 0.52 (m, 1H), 0.87 (d, J=7.25Hz, 6H), 0.89 - 0.83 (m, 4H), 1.37 - 1.29 (m, 4H), 1.58 - 1.49 (m, 1H), 2.04 (s, 3H), 2.09 - 1.90 (m, 3H), 2.23 (s, 3H), 2.44 - 2.29 (m, 5H), 3.03 - 2.93 (m, 1H), 3.21 - 3.09 (m, 1H), 3.59 - 3.38 (m, 3H), 4.20 - 4.09 (m, 1H), 6.92 - 6.90 (m, 2H), 7.36 (d, J=7.66Hz, 1H), 8.02 (s, 1H), 8.07 (s, 1H)	536	534	(S)
A-66		(400 MHz, DMSO-d6) 0.34 - 0.55 (m, 2H), 0.76 - 0.82 (m, 2H), 0.85 (d, J=6.72Hz, 6H), 1.30 (dd, J=6.84, 6.84Hz, 2H), 1.39 - 1.45 (m, 1H), 1.52 (t, J=40.12Hz, 1H), 1.76 - 1.87 (m, 2H), 1.90 - 1.95 (m, 2H), 2.00 (s, 3H), 2.15 - 2.22 (m, 2H), 2.21 (s, 3H), 2.28 - 2.43 (m, 3H), 2.68 - 2.75 (m, 2H), 3.42 - 3.50 (m, 1H), 3.52 - 3.59 (m, 1H), 6.87 (d, J=7.88Hz, 1H), 7.04 (d, J=7.65Hz, 1H), 7.08 (s, 1H), 9.26 (s, 1H), 12.13 (brs, 1H)	467	465	(R)
A-67		(400 MHz, DMSO-d6) 0.32 - 0.54 (m, 2H), 0.76 - 0.83 (m, 2H), 0.85 (d, J=6.51Hz, 6H), 1.30 (dd, J=6.73, 6.73Hz, 2H), 1.38 - 1.45 (m, 1H), 1.47 - 1.57 (m, 1H), 1.75 - 2.04 (m, 4H), 2.10 - 2.22 (m, 2H), 2.26 (s, 3H), 2.30 - 2.43 (m, 3H), 2.68 - 2.85 (m, 2H), 3.39 - 3.58 (m, 2H), 7.09 (dd, J=8.38, 1.10Hz, 1H), 7.28 (s, 1H), 7.43 (d, J=8.16Hz, 1H), 9.46 (s, 1H), 12.14 (brs, 1H)	487	485	(R)
A-68		(400 MHz, CDCl3) 0.32 - 0.39 (m, 1H), 0.46 - 0.54 (m, 1H), 0.78 - 0.84 (m, 2H), 0.85 - 0.88 (m, 6H), 1.14 (d, J=6.84Hz, 3H), 1.32 - 1.38 (m, 3H), 1.49 - 1.59 (m, 1H), 1.88 (d, J=9.48Hz, 1H), 1.97 - 2.06 (m, 4H), 2.15 (dd, J=15.33, 9.15Hz, 1H), 2.24 (s, 3H), 2.29 - 2.43 (m, 3H), 2.47 - 2.60 (m, 2H), 2.68 (dd, J=13.34, 3.20Hz, 1H), 2.93 (t, J=12.68Hz, 1H), 3.45 - 3.54 (m, 1H), 3.58 - 3.71 (m, 1H), 6.90 - 6.97 (m, 2H), 7.31 (s, 1H), 7.39 (d, J=8.82Hz, 1H)	481	479	(S)

Fig. 18

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Ejemplo	Estructura	RMN	MS		Estereoquímica de AUX-H
			M+H	M-H	
A-69		(400 MHz, CDCl3) 0.33 - 0.39 (m, 1H), 0.46 - 0.54 (m, 1H), 0.78 - 0.89 (m, 8H), 1.01 (d, J=6.84Hz, 3H), 1.32 - 1.39 (m, 3H), 1.48 - 1.60 (m, 1H), 1.83 - 1.91 (m, 1H), 1.96 - 2.06 (m, 4H), 2.24 (s, 3H), 2.27 - 2.43 (m, 4H), 2.50 - 2.70 (m, 3H), 2.98 (t, J=12.46Hz, 1H), 3.45 - 3.55 (m, 1H), 3.63 - 3.70 (m, 1H), 6.91 - 6.95 (m, 2H), 7.39 (d, J=8.82Hz, 1H), 7.46 - 7.50 (m, 1H)	481	479	(S)
A-70		(400 MHz, CDCl3) 0.43 - 0.53 (m, 2H), 0.68 (d, J=6.8Hz, 6H), 1.06 - 1.12 (m, 2H), 1.37 - 1.45 (m, 3H), 1.48 - 1.55 (m, 1H), 1.88 - 2.02 (m, 2H), 2.11 (s, 3H), 2.18 - 2.27 (m, 2H), 2.29 (s, 3H), 2.33 - 2.40 (m, 2H), 2.75 (dd, J=15.60, 8.00Hz, 2H), 2.94 (ddd, J=18.40, 13.60, 4.80Hz, 2H), 3.07 (dd, J=14.00, 8.80Hz, 1H), 3.46 - 3.55 (m, 1H), 3.92 - 3.98 (m, 1H), 6.87 (d, J=7.60Hz, 1H), 7.03 (d, J=7.60Hz, 1H), 7.55 (s, 1H), 7.80 (s, 1H)	467	465	(S)
A-71		(400 MHz, CDCl3) 0.44 - 0.54 (m, 2H), 0.88 (d, J=6.40Hz, 6H), 1.04 - 1.13 (m, 2H), 1.37 - 1.46 (m, 3H), 1.48 - 1.56 (m, 1H), 1.89 - 2.00 (m, 2H), 2.03 (s, 3H), 2.17 - 2.23 (m, 2H), 2.27 (s, 3H), 2.35 - 2.41 (m, 2H), 2.75 (dd, J=15.20, 8.40Hz, 2H), 2.94 (ddd, J=28.30, 13.80, 5.20Hz, 2H), 3.08 (dd, J=13.80, 9.20Hz, 1H), 3.47 - 3.56 (m, 1H), 3.94 - 4.00 (m, 1H), 6.99 (d, J=7.60Hz, 1H), 7.06 (dd, J=7.60, 7.60Hz, 1H), 7.36 (d, J=7.60Hz, 1H), 7.85 (s, 1H)	467	465	(S)
A-72		(400 MHz, CDCl3) 0.48 - 0.49 (m, 2H), 0.87 (d, J=6.80Hz, 6H), 1.06 - 1.12 (m, 2H), 1.37 - 1.45 (m, 3H), 1.48 - 1.56 (m, 1H), 1.90 - 2.03 (m, 2H), 2.17 - 2.26 (m, 2H), 2.29 (s, 3H), 2.31 - 2.40 (m, 2H), 2.80 (dd, J=16.00, 7.60Hz, 2H), 2.93 (ddd, J=15.40, 15.40, 6.40Hz, 2H), 3.04 (dd, J=14.40, 8.40Hz, 1H), 3.45 - 3.54 (m, 1H), 3.92 - 3.99 (m, 1H), 7.04 (d, J=8.20Hz, 1H), 7.16 (s, 1H), 7.92 (s, 1H), 8.11 (d, J=8.20Hz, 1H)	487	485	(S)

Fig. 19

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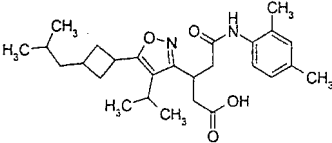
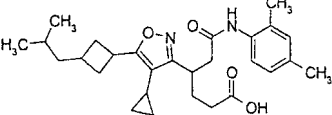
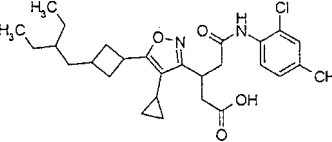
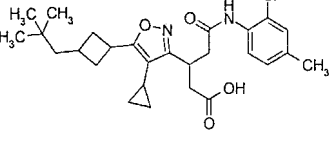
Ejemplo	Estructura	RMN	MS		Estereoquímica de AUX-H
			M+H	M-H	
A-73		(400 MHz, CDCl3) 0.83 - 0.90 (m, 6H), 1.12 - 1.23 (m, 6H), 1.35 (t, J=6.72Hz, 2H), 1.49 - 1.59 (m, 1H), 1.92 - 2.06 (m, 2H), 2.08 (d, J=3.48Hz, 3H), 2.26 (s, 3H), 2.29 - 2.42 (m, 3H), 2.65 - 2.86 (m, 3H), 2.89 - 2.96 (m, 1H), 2.97 - 3.06 (m, 1H), 3.39 - 3.50 (m, 1H), 3.78 - 3.87 (m, 1H), 6.93 - 6.98 (m, 2H), 7.47 - 7.52 (m, 1H), 7.59 - 7.65 (m, 1H)	455	453	(S)
A-74		(400 MHz, DMSO-d6) 0.32 - 0.42 (m, 1H), 0.44 - 0.53 (m, 1H), 0.72 - 0.86 (m, 2H), 0.84 (d, J=6.40Hz, 6H), 1.25 - 1.34 (m, 2H), 1.35 - 1.45 (m, 1H), 1.46 - 1.58 (m, 1H), 1.74 - 1.88 (m, 2H), 1.88 - 1.97 (m, 2H), 2.00 (s, 3H), 2.28 - 2.43 (m, 3H), 2.66 (dd, J=14.40, 7.20Hz, 1H), 2.75 (dd, J=14.40, 8.00Hz, 1H), 3.41 - 3.49 (m, 1H), 3.50 - 3.60 (m, 1H), 6.91 (d, J=8.00Hz, 1H), 6.95 (s, 1H), 7.09 (d, J=8.00Hz, 1H), 9.23 (s, 1H), 12.10 (brs, 1H)	467	465	(S)
A-75		(400 MHz, CDCl3) 0.50 - 0.45 (m, 2H), 0.83 (t, J=7.25Hz, 6H), 0.89 - 0.82 (m, 2H), 1.20 - 1.10 (m, 1H), 1.29 - 1.23 (m, 4H), 1.41 - 1.35 (m, 3H), 2.03 - 1.92 (m, 2H), 2.28 (s, 3H), 2.39 - 2.30 (m, 3H), 2.79 (dd, J=15.72, 7.25Hz, 1H), 2.97 - 2.89 (m, 2H), 3.03 (dd, J=14.91, 8.46Hz, 1H), 3.53 - 3.44 (m, 1H), 3.99 - 3.92 (m, 1H), 7.02 (d, J=8.06Hz, 1H), 7.14 (s, 1H), 7.91 (s, 1H), 8.10 (d, J=8.06Hz, 1H)	501	499	(S)
A-76		(400 MHz, DMSO-d6) 0.44 - 0.50 (m, 2H), 0.79 (m, 2H), 0.88 (s, 9H), 1.34 (m, 2H), 1.44 (dd, J=9.97, 8.12Hz, 1H), 1.88 (dd, J=12.52, 8.58Hz, 2H), 2.27 (s, 3H), 2.37 - 2.43 (m, 3H), 2.59 - 2.83 (m, 4H), 3.52 - 3.57 (m, 1H), 3.72 - 3.80 (m, 1H), 7.10 (d, J=7.86Hz, 1H), 7.29 (s, 1H), 7.45 (d, J=8.35Hz, 1H), 9.47 (s, 1H), 12.26 (s, 1H)	487	485	(S)

Fig. 20

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Ejemplo	Estructura	RMN	MS		Estereoquímica de AUX-H
			M+H	M-H	
A-77		(400 MHz, CDCl3) 0.41 - 0.37 (m, 1H), 0.49 - 0.44 (m, 1H), 0.87 (d, J=6.04Hz, 6H), 0.90 - 0.81 (m, 2H), 1.11 - 1.06 (m, 2H), 1.54 - 1.33 (m, 4H), 2.03 - 1.89 (m, 2H), 2.23 - 2.07 (m, 2H), 2.27 (s, 3H), 2.44 - 2.31 (m, 4H), 2.74 (dd, J=14.51, 5.24Hz, 1H), 3.01 (dd, J=14.91, 9.27Hz, 1H), 3.53 - 3.44 (m, 1H), 3.67 - 3.60 (m, 1H), 7.02 (d, J=8.46Hz, 1H), 7.14 (s, 1H), 7.76 (s, 1H), 8.07 (d, J=7.65Hz, 1H)	501	499	(R)
A-78		(400 MHz, CDCl3) 0.36 - 0.37 (m, 1H), 0.47 - 0.48 (m, 1H), 0.79 - 0.90 (m, 2H), 0.87 (d, J=6.62Hz, 6H), 1.31 - 1.35 (m, 3H), 1.52 - 1.55 (m, 1H), 1.85 - 1.97 (m, 6H), 2.00 (s, 3H), 2.25 (s, 3H), 2.31 - 2.39 (m, 6H), 2.69 (dd, J=13.56, 4.30Hz, 1H), 2.88 - 2.99 (m, 2H), 3.46 - 3.50 (m, 2H), 6.93 - 6.94 (m, 2H), 7.41 - 7.43 (m, 1H), 7.51 (s, 1H)	507	505	(R)
A-79		(400 MHz, CDCl3) 0.35 - 0.40 (m, 1H), 0.45 - 0.49 (m, 1H), 0.80 - 0.83 (m, 2H), 0.87 (s, 9H), 1.33 - 1.37 (m, 1H), 1.37 (d, J=5.95Hz, 2H), 1.92 (dd, J=21.28, 11.14Hz, 1H), 2.00 - 2.21 (m, 3H), 2.03 (s, 3H), 2.32 - 2.45 (m, 5H), 2.77 (dd, J=13.89, 4.63Hz, 1H), 2.97 (dd, J=13.67, 10.81Hz, 1H), 3.46 - 3.55 (m, 1H), 3.66 - 3.71 (m, 1H), 7.08 - 7.10 (m, 2H), 7.53 (d, J=9.15Hz, 1H), 7.86 (s, 1H)	501	499	(R)
A-80		(400 MHz, DMSO-d6) 0.42 - 0.51 (m, 2H), 0.75 - 0.82 (m, 2H), 0.85 (d, J=6.40Hz, 6H), 1.26 - 1.35 (m, 2H), 1.39 - 1.58 (m, 2H), 1.76 - 1.91 (m, 2H), 2.29 - 2.43 (m, 3H), 2.36 (s, 3H), 2.55 - 2.83 (m, 4H), 3.48 - 3.61 (m, 1H), 3.68 - 3.81 (m, 1H), 7.26 (d, J=8.40Hz, 1H), 7.45 (d, J=8.40Hz, 1H), 7.51 (s, 1H), 9.53 (s, 1H), 12.20 (brs, 1H)	507	505	(S)

Fig. 21

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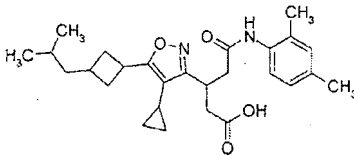
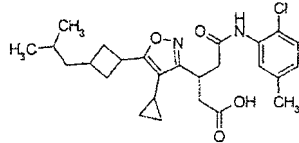
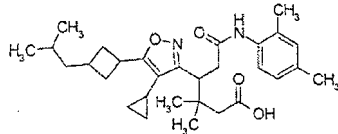
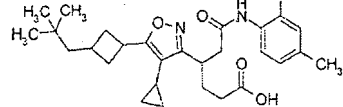
Ejemplo	Estructura	RMN	MS		Estereoquímica de AUX-H
			M+H	M-H	
A-81		(400 MHz, DMSO-d6) 0.46 - 0.47 (m, 2H), 0.77 - 0.80 (m, 2H), 0.84 (s, 6H), 1.29 (t, J=6.72Hz, 2H), 1.43 - 1.51 (m, 2H), 1.81 - 1.84 (m, 2H), 2.01 (s, 3H), 2.22 (s, 3H), 2.29 - 2.40 (m, 3H), 2.57 - 2.77 (m, 4H), 3.50 - 3.54 (m, 1H), 3.72 - 3.79 (m, 1H), 6.91 (d, J=8.12Hz, 1H), 6.97 (s, 1H), 7.13 (d, J=8.12Hz, 1H), 9.23 (s, 1H), 12.22 (s, 1H)	453	451	(S)
A-82		(400 MHz, DMSO-d6) 0.41 - 0.52 (m, 2H), 0.74 - 0.89 (m, 2H), 0.84 (d, J=6.40Hz, 6H), 1.24 - 1.34 (m, 2H), 1.37 - 1.58 (m, 2H), 1.75 - 1.89 (m, 2H), 2.26 (s, 3H), 2.28 - 2.43 (m, 3H), 2.55 - 2.87 (m, 4H), 3.45 - 3.61 (m, 1H), 3.68 - 3.83 (m, 1H), 6.99 (d, J=8.40, 1H), 7.32 (d, J=8.40Hz, 1H), 7.44 (s, 1H), 9.46 (s, 1H), 12.22 (brs, 1H)	473	471	(S)
A-83		(400 MHz, CDCl3) 0.29 - 0.34 (m, 1H), 0.58 - 0.64 (m, 1H), 0.78 - 0.83 (m, 2H), 0.86 - 0.90 (m, 6H), 1.16 (s, 3H), 1.23 (s, 3H), 1.27 - 1.39 (m, 3H), 1.50 - 1.59 (m, 1H), 1.82 - 1.91 (m, 1H), 1.92 (s, 3H), 2.00 - 2.08 (m, 1H), 2.25 (s, 3H), 2.30 - 2.48 (m, 5H), 2.78 - 2.93 (m, 2H), 3.47 - 3.56 (m, 1H), 3.70 (dd, J=11.71, 4.06Hz, 1H), 6.90 - 6.93 (m, 2H), 7.06 (s, 1H), 7.21 - 7.25 (m, 1H)	495	493	(S)
B-1		(400 MHz, CDCl3) 0.31 - 0.49 (m, 2H), 0.79 - 0.84 (m, 2H), 0.87 (s, 9H), 1.31 - 1.40 (m, 1H), 1.44 (d, J=6.84Hz, 2H), 2.02 - 2.23 (m, 4H), 2.27 (s, 3H), 2.33 - 2.50 (m, 4H), 2.67 - 2.77 (m, 2H), 3.03 (dd, J=14.34, 9.04Hz, 1H), 3.69 - 3.60 (m, 2H), 7.02 (d, J=8.38Hz, 1H), 7.13 (s, 1H), 7.78 (s, 1H), 8.09 (d, J=8.38Hz, 1H)	501	499	(R)

Fig. 22

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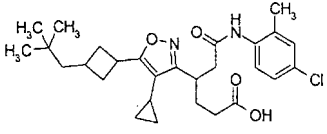
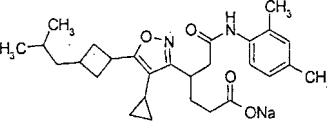
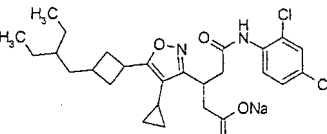
Ejemplo	Estructura	RMN	MS		Estereoquímica de AUX-H
			M+H	M-H	
B-2		(400 MHz, CDCl3) 0.30 - 0.49 (m, 2H), 0.76 - 0.85 (m, 2H), 0.87 (s, 9H), 1.31 - 1.41 (m, 2H), 1.45 (d, J=6.75Hz, 2H), 1.99 - 2.13 (m, 5H), 2.13 - 2.24 (m, 1H), 2.28 - 2.51 (m, 4H), 2.62 - 2.73 (m, 1H), 2.78 (dd, J=13.72, 4.42Hz, 1H), 3.00 (dd, J=13.37, 10.82Hz, 1H), 3.60 - 3.72 (m, 2H), 7.10 (d, J=1.86Hz, 2H), 7.58 (d, J=9.07Hz, 1H), 7.75 (s, 1H)	501	499	(R)
A-84		(400 MHz, DMSO-d6) 0.37 - 0.49 (m, 2H), 0.75 - 0.80 (m, 2H), 0.84 (d, J=6.80Hz, 6H), 1.30 (t, J=6.80Hz, 2H), 1.37 - 1.44 (m, 1H), 1.47 - 1.56 (m, 1H), 1.76 - 1.89 (m, 6H), 2.02 (s, 3H), 2.21 (s, 3H), 2.28 - 2.41 (m, 3H), 2.61 - 2.72 (m, 2H), 3.36 - 3.40 (m, 2H), 3.48 - 3.56 (m, 1H), 6.90 (d, J=8.00Hz, 1H), 6.95 (s, 1H), 7.11 (d, J=8.40Hz, 1H), 9.55 (s, 1H)	467	465	(R)
A-85		(400 MHz, DMSO-d6) 0.43 - 0.48 (m, 2H), 0.73 - 0.77 (m, 2H), 0.80 (t, J=7.60Hz, 6H), 1.10 - 1.17 (m, 1H), 1.20 - 1.27 (m, 3H), 1.33 (t, J=6.40Hz, 2H), 1.38 - 1.45 (m, 1H), 1.77 - 1.86 (m, 2H), 2.12 - 2.18 (m, 1H), 2.25 (s, 3H), 2.29 - 2.38 (m, 3H), 2.66 - 2.73 (m, 1H), 2.83 (dd, J=14.60, 4.80Hz, 1H), 3.25 - 3.40 (m, 2H), 3.47 - 3.54 (m, 1H), 3.59 - 3.67 (m, 1H), 7.06 (d, J=6.80Hz, 1H), 7.25 (s, 1H), 7.49 (d, J=8.00Hz, 1H), 10.21 (brs, 1H)	501	499	(S)

Fig. 23

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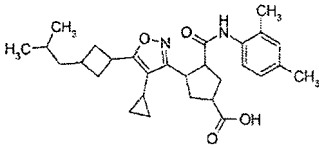
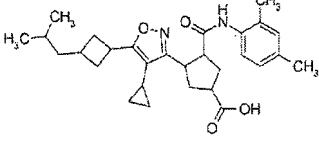
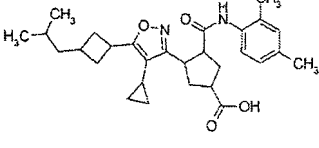
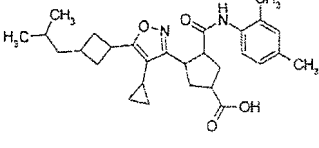
Ejemplo	Estructura	RMN	MS		Estereoqui- mica de AUX-H	Materiales o estero- química
			M+H	M-H		
A-86		(400 MHz, CDCl3) 0.37 - 0.42 (m, 2H), 0.79 - 0.85 (m, 2H), 0.85 - 0.90 (m, 6H), 1.32 - 1.38 (m, 3H), 1.50 - 1.59 (m, 1H), 1.88 - 1.96 (m, 1H), 1.96 - 2.05 (m, 1H), 2.05 - 2.08 (m, 3H), 2.23 - 2.28 (m, 3H), 2.32 - 2.49 (m, 5H), 2.57 - 2.70 (m, 1H), 2.72 - 2.84 (m, 1H), 3.08 - 3.19 (m, 2H), 3.41 - 3.66 (m, 2H), 6.91 - 6.95 (m, 1H), 6.95 - 7.00 (m, 1H), 7.69 - 7.75 (m, 1H), 7.89 - 7.94 (m, 1H)	479	477	Sin usar AUX-H	4-oxo- ciclopentan- trans-1,2- dicarboxilato de dimetilo como un material
A-87		(400 MHz, CDCl3) 0.37 - 0.42 (m, 2H), 0.79 - 0.85 (m, 2H), 0.85 - 0.90 (m, 6H), 1.32 - 1.38 (m, 3H), 1.50 - 1.59 (m, 1H), 1.88 - 1.96 (m, 1H), 1.96 - 2.05 (m, 1H), 2.05 - 2.08 (m, 3H), 2.23 - 2.28 (m, 3H), 2.32 - 2.49 (m, 5H), 2.57 - 2.70 (m, 1H), 2.72 - 2.84 (m, 1H), 3.08 - 3.19 (m, 2H), 3.41 - 3.66 (m, 2H), 6.91 - 6.95 (m, 1H), 6.95 - 7.00 (m, 1H), 7.69 - 7.75 (m, 1H), 7.89 - 7.94 (m, 1H)	479	477	Sin usar AUX-H	4-oxo- ciclopentan- trans-1,2- dicarboxilato de dimetilo como un material enantiómero de A- 86
A-88		(400 MHz, CDCl3) 0.37 - 0.42 (m, 2H), 0.75 - 0.85 (m, 2H), 0.85 - 0.90 (m, 6H), 1.32 - 1.38 (m, 3H), 1.51 - 1.58 (m, 1H), 1.88 - 1.97 (m, 1H), 1.97 - 2.03 (m, 1H), 2.04 - 2.08 (m, 3H), 2.23 - 2.27 (m, 3H), 2.32 - 2.44 (m, 5H), 2.60 - 2.71 (m, 1H), 2.71 - 2.85 (m, 1H), 3.14 - 3.25 (m, 1H), 3.38 - 3.57 (m, 2H), 3.57 - 3.69 (m, 1H), 6.91 - 6.95 (m, 1H), 6.95 - 6.99 (m, 1H), 7.69 - 7.75 (m, 1H), 7.89 - 7.94 (m, 1H)	479	477	Sin usar AUX-H	4-oxo- ciclopentan- trans-1,2- dicarboxilato de dimetilo como un material diastereóme- ro de A- 86
A-89		(400 MHz, CDCl3) 0.37 - 0.42 (m, 2H), 0.75 - 0.85 (m, 2H), 0.85 - 0.90 (m, 6H), 1.32 - 1.38 (m, 3H), 1.51 - 1.58 (m, 1H), 1.88 - 1.97 (m, 1H), 1.97 - 2.03 (m, 1H), 2.04 - 2.08 (m, 3H), 2.23 - 2.27 (m, 3H), 2.32 - 2.44 (m, 5H), 2.60 - 2.71 (m, 1H), 2.71 - 2.85 (m, 1H), 3.14 - 3.25 (m, 1H), 3.38 - 3.57 (m, 2H), 3.57 - 3.69 (m, 1H), 6.91 - 6.95 (m, 1H), 6.95 - 6.99 (m, 1H), 7.69 - 7.75 (m, 1H), 7.89 - 7.94 (m, 1H)	479	477	Sin usar AUX-H	4-oxo- ciclopentan- trans-1,2- dicarboxilato de dimetilo como un material diastereóme- ro de A- 86

Fig. 24

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Ejemplo	Estructura	RMN	MS		Estereoqui- mica de AUX-H	Materiales o estero- química
			M+H	M-H		
B-3		(400 MHz, CDCl3) 0.41 - 0.50 (m, 2H), 0.83 - 0.88 (m, 2H), 0.87 (d, J=6.62Hz, 6H), 1.32 - 1.43 (m, 3H), 1.55 (m, 1H), 1.95 - 2.04 (m, 2H), 2.28 (s, 3H), 2.34 - 2.59 (m, 3H), 2.78 - 3.07 (m, 4H), 3.64 - 3.72 (m, 1H), 3.93 - 4.00 (m, 1H), 7.03 (dd, J=8.27, 1.65Hz, 1H), 7.15 (s, 1H), 7.89 (s, 1H), 8.12 (d, J=8.38Hz, 1H)	473	471	(S)	—
B-4		(400 MHz, CDCl3) 0.43 - 0.49 (m, 2H), 0.84 - 0.88 (m, 2H), 0.87 (d, J=6.62Hz, 6H), 1.38 - 1.43 (m, 3H), 1.94 - 2.04 (m, 2H), 2.28 (s, 3H), 2.37 - 2.50 (m, 2H), 2.50 - 2.62 (m, 1H), 2.80 - 3.06 (m, 4H), 3.64 - 3.73 (m, 1H), 3.92 - 3.99 (m, 1H), 7.04 (dd, J=8.16, 1.32Hz, 1H), 7.16 (s, 1H), 7.86 (s, 1H), 8.13 (d, J=8.16Hz, 1H)	473	471	(R)	—
C-1		(400 MHz, CDCl3) 0.27 - 0.38 (m, 1H), 0.47 - 0.58 (m, 1H), 0.84 - 1.03 (m, 2H), 0.92 (d, J=6.40Hz, 6H), 1.59 - 1.70 (m, 1H), 1.84 - 1.97 (m, 1H), 2.08 - 2.32 (m, 2H), 2.27 (s, 3H), 2.39 - 2.57 (m, 2H), 2.52 (d, J=7.20Hz, 2H), 2.80 (dd, J=14.40, 5.20Hz, 1H), 3.09 (dd, J=14.40, 9.60Hz, 1H), 3.74 - 3.85 (m, 1H), 7.02 (d, J=8.40Hz, 1H), 7.12 (s, 1H), 7.23 (d, J=8.40Hz, 2H), 7.73 (d, J=8.40Hz, 2H), 7.80 (brs, 1H), 8.08 (d, J=8.40Hz, 1H)	509	507	(R)	—
C-2		(400 MHz, CDCl3) 0.18 - 0.27 (m, 1H), 0.39 - 0.49 (m, 1H), 0.82 - 1.02 (m, 2H), 0.94 (d, J=7.20Hz, 6H), 1.50 - 1.60 (m, 1H), 1.85 - 1.98 (m, 1H), 1.99 - 2.22 (m, 2H), 2.17 (s, 3H), 2.34 - 2.47 (m, 2H), 2.54 (d, J=7.20Hz, 2H), 2.61 (dd, J=14.00, 5.60Hz, 1H), 2.75 (dd, J=14.00, 10.00Hz, 1H), 3.66 - 3.83 (m, 1H), 3.78 (s, 3H), 4.24 (dd, J=14.40, 5.60Hz, 1H), 4.34 (dd, J=14.40, 6.40Hz, 1H), 6.20 - 6.28 (m, 1H), 6.53 - 6.57 (m, 1H), 6.54 (s, 1H), 6.95 (d, J=8.00Hz, 1H), 7.24 (d, J=8.00Hz, 2H), 7.73 (d, J=8.00Hz, 2H)	519	517	(R)	—

Fig. 25

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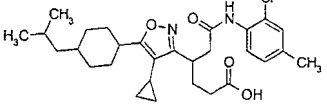
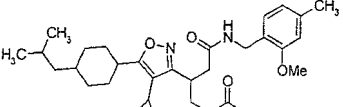
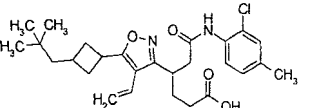
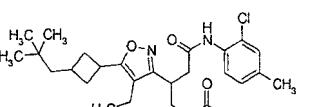
Ejemplo	Estructura	RMN	MS		Estereoquí- mica de AUX-H	Materiales o estero- química
			M+H	M-H		
D-1		(400 MHz, CDCl3) 0.38 - 0.44 (m, 1H), 0.46 - 0.54 (m, 1H), 0.78 - 0.89 (m, 2H), 0.86 (d, J=6.52Hz, 6H), 1.19 (t, J=7.00Hz, 2H), 1.33 - 1.40 (m, 1H), 1.40 - 1.66 (m, 8H), 1.76 - 1.90 (m, 2H), 2.03 - 2.22 (m, 2H), 2.25 (s, 3H), 2.36 - 2.45 (m, 2H), 2.73 (dd, J=14.00, 5.36Hz, 1H), 2.95 - 3.07 (m, 2H), 3.60 - 3.68 (m, 1H), 7.00 (d, J=8.00Hz, 1H), 7.11 (s, 1H), 7.71 (brs, 1H), 8.06 (d, J=8.00Hz, 1H)	515	513	(R)	-
D-2		(400 MHz, CDCl3) 0.33 - 0.41 (m, 1H), 0.45 - 0.53 (m, 1H), 0.80 - 0.92 (m, 2H), 0.88 (d, J=6.80Hz, 6H), 1.19 (t, J=7.20Hz, 2H), 1.32 - 1.40 (m, 1H), 1.41 - 1.70 (m, 8H), 1.78 - 1.91 (m, 2H), 1.95 - 2.16 (m, 2H), 2.28 - 2.42 (m, 2H), 2.32 (s, 3H), 2.54 (dd, J=14.40, 6.00Hz, 1H), 2.70 (dd, J=14.40, 8.40Hz, 1H), 2.96 - 3.05 (m, 1H), 3.55 - 3.66 (m, 1H), 3.81 (s, 3H), 4.24 - 4.37 (m, 2H), 6.20 (dd, J=5.60, 5.60Hz, 1H), 6.64 (s, 1H), 6.66 (d, J=7.60Hz, 1H), 7.01 (d, J=7.60Hz, 1H)	525	523	(R)	-
A-90		(400 MHz, CDCl3) 0.87 (s, 9H), 1.39 (d, J=6.18Hz, 2H), 2.05 - 2.14 (m, 4H), 2.27 (s, 3H), 2.32 - 2.46 (m, 5H), 2.74 (dd, J=14.45, 5.62Hz, 1H), 3.02 (dd, J=14.45, 8.93Hz, 1H), 3.44 - 3.61 (m, 2H), 5.35 (ddd, J=14.56, 8.38, 1.21Hz, 2H), 6.37 (dd, J=17.64, 11.47Hz, 1H), 7.01 (d, J=9.70Hz, 1H), 7.14 (s, 1H), 7.82 (s, 1H), 8.07 (d, J=8.38Hz, 1H)	487	485	(R)	-
A-91		(400 MHz, CDCl3) 0.87 (s, 9H), 1.03 (t, J=7.28Hz, 3H), 1.40 (d, J=11.69Hz, 2H), 2.04 - 2.11 (m, 4H), 2.26 - 2.39 (m, 10H), 2.75 (dd, J=14.11, 4.52Hz, 1H), 2.98 (dd, J=13.23, 9.70Hz, 1H), 3.31 - 3.49 (m, 2H), 7.01 (d, J=7.94Hz, 1H), 7.13 (s, 1H), 7.81 (s, 1H), 8.03 (d, J=7.94Hz, 1H)	489	487	(R)	-

Fig. 26

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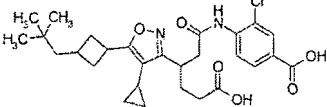
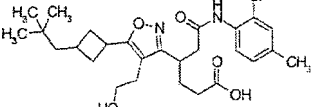
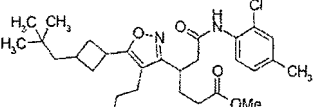
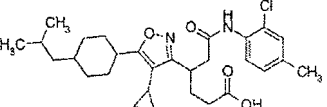
Ejemplo	Estructura	RMN	MS		Estereoqui- mica de AUX-H	Materiales o estero- química
			M+H	M-H		
A-92		(400 MHz, DMSO-d6) 0.38 - 0.43 (m, 1H), 0.46 - 0.51 (m, 1H), 0.78 - 0.83 (m, 2H), 0.85 (s, 9H), 1.33 (d, J=6.00Hz, 2H), 1.38 - 1.45 (m, 1H), 1.83 - 1.96 (m, 4H), 2.13 - 2.24 (m, 2H), 2.36 - 2.43 (m, 3H), 2.83 (dd, J=15.20, 6.80Hz, 1H), 2.94 (dd, J=15.40, 8.00Hz, 1H), 3.43 - 3.59 (m, 2H), 7.84 (dd, J=8.40, 2.00Hz, 1H), 7.92 (d, J=8.80Hz, 1H), 7.92 (d, J=2.00Hz, 1H), 9.65 (s, 1H)	531	529	(R)	-
A-93		(400 MHz, CDCl3) 0.87 (s, 9H), 1.03 (t, J=7.28Hz, 3H), 1.40 (d, J=11.69Hz, 2H), 2.04 - 2.11 (m, 4H), 2.26 - 2.39 (m, 10H), 2.75 (dd, J=14.11, 4.52Hz, 1H), 2.98 (dd, J=13.23, 9.70Hz, 1H), 3.31 - 3.49 (m, 2H), 7.01 (d, J=7.94Hz, 1H), 7.13 (s, 1H), 7.81 (s, 1H), 8.03 (d, J=7.94Hz, 1H)	505	503	(R)	-
A-94		(400 MHz, CDCl3) 0.87 (s, 9H), 1.38 (d, J=5.95Hz, 2H), 2.02 - 2.09 (m, 4H), 2.27 (s, 3H), 2.35 - 2.41 (m, 5H), 2.51 - 2.61 (m, 2H), 2.77 (dd, J=14.89, 4.74Hz, 1H), 3.06 (dd, J=14.78, 10.37Hz, 1H), 3.34 - 3.38 (m, 1H), 3.48 - 3.50 (m, 1H), 3.48 (s, 3H), 3.63 - 3.72 (m, 2H), 7.00 (d, J=8.38Hz, 1H), 7.14 (s, 1H), 7.67 (s, 1H), 8.03 (d, J=8.38Hz, 1H)	519	517	(R)	-
D-3		(400 MHz, DMSO-d6) 0.37 - 0.46 (m, 1H), 0.49 - 0.58 (m, 1H), 0.77 - 0.90 (m, 2H), 0.85 (d, J=6.40Hz, 6H), 0.91 - 1.11 (m, 2H), 1.07 (t, J=7.20Hz, 2H), 1.29 - 1.85 (m, 9H), 1.87 - 1.99 (m, 2H), 2.09 - 2.31 (m, 2H), 2.27 (s, 3H), 2.65 - 2.89 (m, 3H), 3.42 - 3.54 (m, 1H), 7.09 (d, J=8.00Hz, 1H), 7.28 (s, 1H), 7.42 (d, J=8.00Hz, 1H), 9.45 (s, 1H), 12.08 (brs, 1H)	515	513	(R)	-

Fig. 27

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Ejemplo	Estructura	RMN	MS		Estereoquí- mica de AUX-H	Materiales o estero- química
			M+H	M-H		
D-4		(400 MHz, DMSO-d6) 0.34 - 0.44 (m, 1H), 0.47 - 0.56 (m, 1H), 0.73 - 0.91 (m, 2H), 0.86 (d, J=6.40Hz, 6H), 0.91 - 1.13 (m, 2H), 1.07 (t, J=7.20Hz, 2H), 1.30 - 1.46 (m, 2H), 1.46 - 1.92 (m, 9H), 2.06 - 2.22 (m, 2H), 2.27 (s, 3H), 2.43 - 2.62 (m, 2H), 2.77 - 2.88 (m, 1H), 3.20 - 3.47 (m, 1H), 3.75 (s, 3H), 4.06 - 4.19 (m, 2H), 6.64 (d, J=7.20Hz, 1H), 6.76 (s, 1H), 6.89 (d, J=7.20Hz, 1H), 8.14 (dd, J=6.00, 6.00Hz, 1H), 12.06 (brs, 1H)	525	523	(R)	—
C-3		(400 MHz, DMSO-d6) 0.15 - 0.28 (m, 1H), 0.41 - 0.51 (m, 1H), 0.81 - 0.99 (m, 2H), 0.89 (d, J=7.20Hz, 6H), 1.71 - 1.82 (m, 1H), 1.82 - 2.07 (m, 3H), 2.17 - 2.36 (m, 2H), 2.27 (s, 3H), 2.54 (d, J=7.20Hz, 2H), 2.80 (dd, J=14.80, 6.40Hz, 1H), 2.92 (dd, J=14.80, 8.00Hz, 1H), 3.56 - 3.68 (m, 1H), 7.09 (d, J=7.20Hz, 1H), 7.25 - 7.33 (m, 1H), 7.28 (s, 1H), 7.40 - 7.50 (m, 2H), 7.58 - 7.66 (m, 2H), 9.51 (s, 1H), 12.12 (brs, 1H)	509	507	(R)	—
C-4		(400 MHz, DMSO-d6) 0.13 - 0.23 (m, 1H), 0.40 - 0.51 (m, 1H), 0.83 - 0.99 (m, 2H), 0.90 (d, J=7.20Hz, 6H), 1.67 - 1.78 (m, 1H), 1.83 - 2.00 (m, 3H), 2.16 - 2.30 (m, 2H), 2.21 (s, 3H), 2.46 - 2.62 (m, 1H), 2.55 (d, J=6.80Hz, 2H), 2.69 (dd, J=14.40, 9.20Hz, 1H), 3.53 - 3.63 (m, 1H), 3.75 (s, 3H), 4.07 (dd, J=15.60, 6.00Hz, 1H), 4.18 (dd, J=15.60, 6.00Hz, 1H), 6.50 (d, J=7.20Hz, 1H), 6.74 (s, 1H), 6.79 (d, J=7.60Hz, 1H), 7.31 (d, J=7.60Hz, 1H), 7.42 - 7.50 (m, 1H), 7.58 - 7.67 (m, 2H), 8.20 (dd, J=6.00, 6.00Hz, 1H), 12.11 (brs, 1H)	519	517	(R)	—
A-95		(400 MHz, CDCl3) 0.87 (s, 9H), 1.39 (d, J=6.18Hz, 2H), 1.95 - 2.02 (m, 4H), 2.27 - 2.46 (m, 4H), 2.27 (s, 3H), 2.50 - 2.55 (m, 3H), 2.75 (dd, J=14.67, 10.48Hz, 1H), 3.30 - 3.44 (m, 2H), 3.58 - 3.61 (m, 1H), 3.58 (s, 1H), 3.71 (dd, J=10.81, 5.51Hz, 1H), 3.81 (s, 3H), 4.22 - 4.33 (m, 2H), 6.07 (s, 1H), 6.07 (t, J=5.62Hz, 1H), 6.65 - 6.68 (m, 2H), 6.67 (s, 1H), 6.98 (d, J=7.50Hz, 1H)	529	527	(R)	—

Fig. 28

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Ejemplo	Estructura	RMN	MS		Estereoquí- mica de AUX-H	Materiales o estero- química
			M+H	M-H		
A-96		(400 MHz, CDCl3) 0.35 - 0.40 (m, 1H), 0.45 - 0.50 (m, 1H), 0.79 - 0.87 (m, 2H), 0.87 (s, 9H), 1.33 - 1.39 (m, 1H), 1.38 (d, J=5.95Hz, 2H), 1.92 (s, 3H), 1.92 - 2.21 (m, 4H), 2.33 - 2.50 (m, 5H), 2.76 (dd, J=13.56, 4.52Hz, 1H), 2.98 (dd, J=13.56, 10.70Hz, 1H), 3.46 - 3.55 (m, 1H), 3.63 - 3.70 (m, 1H), 3.79 (s, 3H), 6.66 (d, J=8.16Hz, 1H), 7.09 (t, J=8.16Hz, 1H), 7.20 (d, J=8.16Hz, 1H), 7.56 (brs, 1H)	497	495	(R)	-
A-97		(400 MHz, DMSO-d6) 0.32 - 0.43 (m, 1H), 0.45 - 0.55 (m, 1H), 0.73 - 0.92 (m, 2H), 0.86 (s, 9H), 1.30 - 1.35 (m, 1H), 1.32 (d, J=5.60Hz, 2H), 1.79 - 2.00 (m, 4H), 1.94 (s, 3H), 2.13 - 2.25 (m, 2H), 2.18 (s, 3H), 2.32 - 2.46 (m, 3H), 2.67 (dd, J=14.40Hz, 6.80Hz, 1H), 2.75 (dd, J=14.40, 8.40Hz, 1H), 3.39 - 3.66 (m, 2H), 3.60 (s, 3H), 6.88 - 6.98 (m, 2H), 9.29 (s, 1H), 12.08 (brs, 1H)	511	509	(R)	-
A-98		(400 MHz, DMSO-d6) 0.31 - 0.41 (m, 1H), 0.44 - 0.53 (m, 1H), 0.69 - 0.93 (m, 2H), 0.86 (s, 9H), 1.30 - 1.43 (m, 1H), 1.36 (d, J=6.00Hz, 2H), 1.78 - 1.97 (m, 4H), 2.05 - 2.25 (m, 2H), 2.13 (s, 3H), 2.22 (s, 3H), 2.32 - 2.54 (m, 4H), 2.59 (dd, J=14.40, 8.40Hz, 1H), 3.13 - 3.48 (m, 1H), 3.48 - 3.63 (m, 1H), 4.07 (dd, J=14.80, 5.60Hz, 1H), 4.20 (dd, J=14.80, 5.60Hz, 1H), 6.85 - 6.97 (m, 2H), 6.93 (s, 1H), 8.17 (dd, J=5.60, 5.60Hz, 1H), 12.07 (brs, 1H)	495	493	(R)	-
A-99		(400 MHz, DMSO-d6) 0.33 - 0.56 (m, 2H), 0.71 - 0.95 (m, 2H), 0.85 (s, 9H), 1.28 - 1.47 (m, 1H), 1.34 (d, J=6.00Hz, 2H), 1.78 - 1.99 (m, 4H), 2.08 - 2.31 (m, 2H), 2.26 (s, 3H), 2.31 - 2.45 (m, 3H), 2.72 (dd, J=14.80, 7.20Hz, 1H), 2.81 (dd, J=14.80, 8.00Hz, 1H), 3.16 - 3.62 (m, 2H), 6.93 (d, J=8.00Hz, 1H), 7.04 (d, J=11.4Hz, 1H), 7.61 (dd, J=8.00, 8.00Hz, 1H), 9.63 (s, 1H), 12.08 (brs, 1H)	485	483	(R)	-

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Fig. 29

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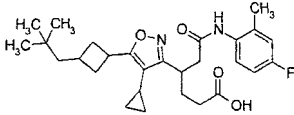
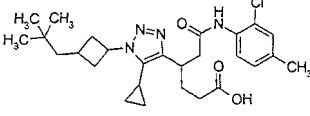
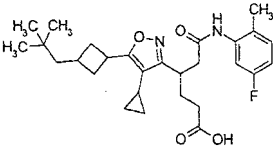
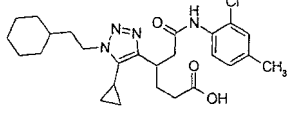
Ejemplo	Estructura	RMN	MS		Estereoqui- mica de AUX-H	Materiales o estero- química
			M+H	M-H		
A-100		(400 MHz, CDCl3) 0.37 (dd, J=9.59, 4.52Hz, 1H), 0.49 (dd, J=9.70, 4.63Hz, 1H), 0.82 (dd, J=8.27, 4.74Hz, 2H), 0.87 (s, 9H), 1.33 - 1.38 (m, 1H), 1.37 (d, J=5.73Hz, 2H), 1.98 - 2.12 (m, 7H), 2.38 - 2.42 (m, 5H), 2.77 (dd, J=13.78, 4.74Hz, 1H), 2.96 (dd, J=13.78, 10.70Hz, 1H), 3.50 - 3.52 (m, 1H), 3.67 - 3.69 (m, 1H), 6.81 - 6.83 (m, 2H), 7.41 (dd, J=8.49, 6.06Hz, 1H), 7.76 (s, 1H)	485	483	(R)	-
A-101		(400 MHz, CDCl3) 0.48 - 0.50 (m, 1H), 0.81 (d, J=5.29Hz, 1H), 0.90 (s, 9H), 0.95 - 0.96 (m, 2H), 1.47 (dd, J=12.90, 7.39Hz, 3H), 2.13 (s, 2H), 2.31 - 2.34 (m, 8H), 2.62 (t, J=14.78Hz, 2H), 2.79 (dd, J=13.45, 4.63Hz, 1H), 3.06 (dd, J=13.34, 10.70Hz, 1H), 3.54 - 3.57 (m, 1H), 4.77 - 4.79 (m, 1H), 6.97 (d, J=8.38Hz, 1H), 7.08 (s, 1H), 7.83 (d, J=8.38Hz, 1H), 7.90 (s, 1H)	501	499	(R)	-
A-102		(400 MHz, CDCl3) 0.43 - 0.46 (m, 2H), 0.84 - 0.87 (m, 1H), 0.86 (s, 9H), 1.34 - 1.36 (m, 3H), 1.91 - 2.19 (m, 8H), 2.36 - 2.42 (m, 5H), 2.78 (dd, J=13.78, 4.52Hz, 1H), 3.00 (dd, J=13.56, 10.70Hz, 1H), 3.46 - 3.55 (m, 1H), 3.65 - 3.67 (m, 1H), 6.70 - 6.72 (m, 1H), 7.04 (t, J=7.28Hz, 1H), 7.58 (dd, J=10.81, 2.43Hz, 1H), 7.81 (s, 1H)	485	483	(R)	-
D-5		(400 MHz, CDCl3) 0.53 - 0.56 (m, 1H), 0.88 - 0.97 (m, 5H), 1.15 - 1.18 (m, 4H), 1.52 - 1.54 (m, 1H), 1.68 - 1.71 (m, 7H), 2.12 - 2.14 (m, 2H), 2.26 - 2.31 (m, 5H), 2.80 (dd, J=13.78, 4.74Hz, 1H), 3.05 (dd, J=13.23, 10.81Hz, 1H), 3.58 (s, 1H), 4.30 (t, J=7.94Hz, 2H), 6.97 (d, J=8.38Hz, 1H), 7.08 (s, 1H), 7.89 (d, J=7.72Hz, 2H)	487	485	(R)	-

Fig. 30

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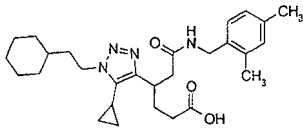
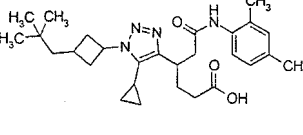
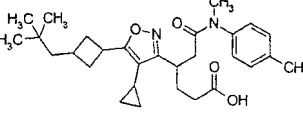
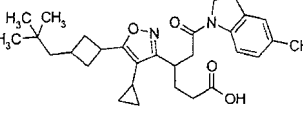
Ejemplo	Estructura	RMN	MS		Estereoquí- mica de AUX-H	Materiales o estero- química
			M+H	M-H		
D-6		(400 MHz, CDCl3) 0.45 - 0.46 (m, 1H), 0.86 - 1.02 (m, 5H), 1.19 - 1.30 (m, 4H), 1.44 - 1.51 (m, 1H), 1.65 - 1.78 (m, 7H), 2.02 - 2.10 (m, 5H), 2.15 - 2.33 (m, 5H), 2.63 - 2.81 (m, 2H), 3.51 (t, J=5.51Hz, 1H), 4.06 (dd, J=14.67, 4.96Hz, 1H), 4.22 - 4.29 (m, 3H), 6.64 (t, J=5.62Hz, 1H), 6.76 (d, J=7.72Hz, 1H), 6.84 - 6.87 (m, 2H)	481	479	(R)	—
A-103		(400 MHz, CDCl3) 0.51 (s, 1H), 0.87 - 0.89 (m, 10H), 0.96 (d, J=8.38Hz, 2H), 1.44 - 1.49 (m, 3H), 1.87 (s, 3H), 2.06 - 2.09 (m, 2H), 2.27 - 2.38 (m, 8H), 2.62 - 2.63 (m, 2H), 2.81 (dd, J=13.23, 4.63Hz, 1H), 3.03 (t, J=12.35Hz, 1H), 3.58 - 3.60 (m, 1H), 4.75 - 4.84 (m, 1H), 6.86 - 6.87 (m, 2H), 7.16 (d, J=8.82Hz, 1H), 8.05 (s, 1H)	481	479	(R)	—
A-104		(400 MHz, CDCl3) 0.31 - 0.37 (m, 1H), 0.49 - 0.55 (m, 1H), 0.80 (dd, J=8.40, 1.90Hz, 2H), 0.85 (s, 9H), 1.28 - 1.38 (m, 3H), 1.89 - 2.04 (m, 4H), 2.25 (t, J=7.80Hz, 2H), 2.31 - 2.40 (m, 7H), 2.61 (dd, J=16.20, 7.10Hz, 1H), 3.20 (s, 3H), 3.46 (t, J=6.50Hz, 1H), 3.58 (t, J=7.00Hz, 1H), 7.04 (d, J=8.10Hz, 2H), 7.19 (d, J=8.10Hz, 2H)	481	479	(R)	—
A-105		(400MHz, CDCl3) 0.36 - 0.43 (m, 1H), 0.51 - 0.60 (m, 1H), 0.79 - 0.90 (m, 2H), 0.84 (s, 9H), 1.36 (d, J=5.60Hz, 2H), 1.37 - 1.43 (m, 1H), 1.99 (t, J=10.10Hz, 2H), 2.07 - 2.16 (m, 2H), 2.27 (s, 3H), 2.30 - 2.43 (m, 5H), 2.69 (dd, J=16.00, 6.50Hz, 1H), 3.01 (dd, J=16.00, 7.20Hz, 1H), 3.11 (td, J=8.40, 0.10Hz, 2H), 3.43 - 3.54 (m, 1H), 3.75 (t, J=6.90Hz, 1H), 3.99 - 4.13 (m, 2H), 6.94 (d, J=8.80Hz, 2H), 8.03 (d, J=8.10Hz, 1H)	493	491	(R)	—

Fig. 31

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Ejemplo	Estructura	RMN	MS		Estereoquí- mica de AUX-H	Materiales o estero- química
			M+H	M-H		
A-106		(400 MHz, CDCl3) 0.32 - 0.58 (m, 2H), 0.80 - 0.89 (m, 11H), 1.23 - 1.38 (m, 3H), 1.90 - 2.04 (m, 4H), 2.20 - 2.60 (m, 10H), 3.13 (s, 2H), 3.18 (s, 1H), 3.41 - 3.52 (m, 1H), 3.56 - 3.66 (m, 1H), 7.09 - 7.14 (m, 2H), 7.26 - 7.30 (m, 1H)	515	513	(R)	-
A-107		(400 MHz, CDCl3) 0.35 - 0.71 (m, 4H), 0.80 - 1.02 (m, 13H), 1.33 - 1.37 (m, 3H), 1.59 (s, 1H), 1.90 - 2.19 (m, 4H), 2.35 - 2.42 (m, 5H), 2.78 (dd, J=13.78, 4.74Hz, 1H), 3.01 (dd, J=13.56, 10.26Hz, 1H), 3.43 - 3.52 (m, 1H), 3.66 - 3.67 (m, 1H), 6.98 - 7.07 (m, 2H), 7.16 (t, J=7.61Hz, 1H), 7.97 (d, J=7.94Hz, 1H), 8.02 (s, 1H)	493	491	(R)	-
A-108		(400 MHz, CDCl3) 0.37 - 0.43 (m, 1H), 0.46 - 0.52 (m, 1H), 0.79 - 0.89 (m, 2H), 0.85 (s, 9H), 1.33 - 1.38 (m, 1H), 1.35 (d, J=6.00Hz, 2H), 1.89 - 2.12 (m, 3H), 2.19 (dd, J=14.10, 7.10Hz, 1H), 2.31 - 2.44 (m, 5H), 2.44 (s, 3H), 2.76 (dd, J=14.30, 4.80Hz, 1H), 2.91 (dd, J=14.30, 10.10Hz, 1H), 3.44 - 3.54 (m, 1H), 3.71 (dd, J=9.50, 5.10Hz, 1H), 7.15 (d, J=8.40Hz, 1H), 7.48 (d, J=8.60Hz, 1H), 7.76 (s, 1H), 8.44 (br d, J=14.20Hz, 1H)	492	490	(R)	-
A-109		(400 MHz, DMSO-d6) 0.31 - 0.42 (m, 1H), 0.46 - 0.56 (m, 1H), 0.72 - 0.91 (m, 2H), 0.86 (s, 9H), 1.29 - 1.46 (m, 1H), 1.35 (d, J=5.6Hz, 2H), 1.79 - 1.97 (m, 4H), 1.85 (s, 3H), 2.08 - 2.23 (m, 2H), 2.11 (s, 3H), 2.31 - 2.46 (m, 3H), 2.64 (dd, J=14.40, 6.80Hz, 1H), 2.73 (dd, J=14.40, 8.40Hz, 1H), 3.17 - 3.62 (m, 2H), 6.60 (d, J=8.00Hz, 1H), 6.81 (d, J=8.00Hz, 1H), 8.15 (brs, 1H), 9.24 (s, 1H), 12.08 (brs, 1H)	497	495	(R)	-

Fig. 32

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Ejemplo	Estructura	RMN	MS		Estereoqui- mica de AUX-H	Materiales o estero- química
			M+H	M-H		
A-110		(400 MHz, CDCl3) 0.85 (s, 9H), 1.37 (d, J=6.30Hz, 2H), 2.02 - 2.17 (m, 4H), 2.26 (s, 3H), 2.37 - 2.47 (m, 5H), 2.73 (dd, J=14.40, 5.80Hz, 1H), 2.99 (dd, J=15.20, 8.50Hz, 1H), 3.56 - 3.66 (m, 2H), 7.02 (d, J=8.10Hz, 1H), 7.14 (s, 1H), 7.61 (s, 1H), 8.11 (d, J=8.40Hz, 1H)	529	527	(R)	-
A-111		(400 MHz, CDCl3) 0.34 - 0.39 (m, 1H), 0.40 - 0.45 (m, 1H), 0.78 - 0.83 (m, 2H), 0.86 (s, 9H), 1.29 - 1.36 (m, 1H), 1.36 (d, J=4.40Hz, 2H), 1.90 (dd, J=20.20, 10.50Hz, 1H), 2.03 (dt, J=20.30, 6.40Hz, 2H), 2.15 (s, 3H), 2.19 (t, J=7.10Hz, 1H), 2.38 (tt, J=23.80, 7.60Hz, 5H), 2.78 (dd, J=13.60, 3.80Hz, 1H), 3.03 (dd, J=14.40, 10.90Hz, 1H), 3.49 (tt, J=9.70, 4.10Hz, 1H), 3.62 (td, J=10.40, 5.90Hz, 1H), 7.39 (s, 1H), 7.43 (d, J=8.60Hz, 1H), 8.05 (d, J=5.30Hz, 2H)	492	490	(R)	-
A-112		(400 MHz, DMSO-d6) 0.35 - 0.44 (m, 2H), 0.72 - 0.82 (m, 2H), 0.83 (t, J=7.83Hz, 6H), 1.30 (t, J=6.73Hz, 2H), 1.36 - 1.43 (m, 1H), 1.48 - 1.55 (m, 1H), 1.79 - 1.89 (m, 2H), 1.96 (dd, J=22.05, 11.25Hz, 1H), 2.10 (dt, J=15.88, 6.45Hz, 1H), 2.26 (s, 3H), 2.30 - 2.44 (m, 4H), 2.45 - 2.47 (m, 1H), 2.95 - 3.05 (m, 1H), 3.31 - 3.33 (m, 1H), 3.40 (q, J=8.67Hz, 1H), 3.51 - 3.61 (m, 2H), 7.09 (dd, J=8.60, 1.54Hz, 1H), 7.28 (d, J=1.10Hz, 1H), 7.46 (d, J=8.16Hz, 1H), 9.44 (s, 1H)	499	497	Sin usar AUX-H	4-oxo- ciclopentan- trans-1,2- dicarboxilato de dimetilo como un material
A-113		(400 MHz, DMSO-d6) 0.40 (d, J=3.09 Hz, 2H), 0.78 (dd, J=8.16, 1.76Hz, 2H), 0.85 (dd, J=6.51, 4.08Hz, 6H), 1.30 (t, J=6.84Hz, 2H), 1.41 (td, J=9.32, 5.15Hz, 1H), 1.48 - 1.55 (m, 1H), 1.83 (l, J=10.59Hz, 2H), 2.02 (dt, J=30.80, 8.66Hz, 2H), 2.27 (d, J=6.62Hz, 3H), 2.37 (tt, J=17.53, 6.40Hz, 4H), 2.98 (t, J=7.83Hz, 1H), 3.38 (t, J=9.26Hz, 2H), 3.51 - 3.63 (m, 2H), 7.10 (d, J=7.94Hz, 1H), 7.28 (s, 1H), 7.47 (d, J=6.62Hz, 1H), 9.46 (s, 1H)	499	497	Sin usar AUX-H	4-oxo- ciclopentan- trans-1,2- dicarboxilato de dimetilo como un material . Diastereóm e-ro de A-112

Fig. 33

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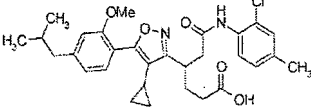
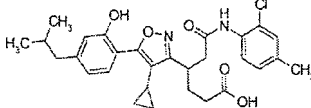
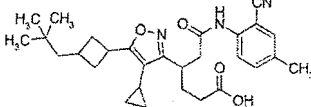
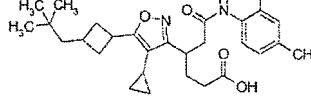
Ejemplo	Estructura	RMN	MS		Estereoqui- mica de AUX-H	Materiales o estero- química
			M+H	M-H		
C-5		(400 MHz, CDCl3) 0.12 - 0.20 (m, 1H), 0.25 - 0.33 (m, 1H), 0.61 - 0.75 (m, 2H), 0.93 (d, J=8.80Hz, 6H), 1.51 - 1.52 (m, 1H), 1.84 - 1.98 (m, 1H), 2.10 - 2.34 (m, 2H), 2.27 (s, 3H), 2.44 - 2.56 (m, 2H), 2.51 (d, J=7.20Hz, 2H), 2.81 (dd, J=14.40, 5.60Hz, 1H), 3.10 (dd, J=14.40, 9.20Hz, 1H), 3.69 - 3.82 (m, 1H), 3.77 (s, 3H), 6.73 (s, 1H), 6.79 (d, J=8.00, 1H), 7.02 (d, J=8.40Hz, 1H), 7.14 (s, 1H), 7.27 (d, J=8.00Hz, 1H), 7.89 (s, 1H), 8.09 (d, J=8.40Hz, 1H)	539	537	(R)	-
C-6		(400 MHz, CDCl3) 0.25 - 0.35 (m, 1H), 0.44 - 0.54 (m, 1H), 0.82 - 0.99 (m, 2H), 0.92 (d, J=6.80Hz, 6H), 1.58 - 1.69 (m, 1H), 1.83 - 1.96 (m, 1H), 2.12 - 2.32 (m, 2H), 2.27 (s, 3H), 2.40 - 2.53 (m, 2H), 2.46 (d, J=6.80Hz, 2H), 2.81 (dd, J=14.40, 5.20Hz, 1H), 3.09 (dd, J=14.40, 9.20Hz, 1H), 3.76 - 3.87 (m, 1H), 6.78 (d, J=8.00Hz, 1H), 6.81 (s, 1H), 7.02 (d, J=8.40Hz, 1H), 7.14 (s, 1H), 7.50 (d, J=8.40Hz, 1H), 7.78 (s, 1H), 8.08 (d, J=8.80Hz, 1H)	525	523	(R)	-
A-114		(400 MHz, CDCl3) 0.38 - 0.48 (m, 1H), 0.49 - 0.56 (m, 1H), 0.80 - 0.85 (m, 2H), 0.86 (s, 9H), 1.36 (d, J=5.10Hz, 2H), 1.41 (tt, J=6.50, 1.70Hz, 1H), 1.96 - 2.23 (m, 4H), 2.32 (s, 3H), 2.35 - 2.45 (m, 5H), 2.79 (dd, J=14.80, 5.70Hz, 1H), 3.03 (dd, J=15.00, 8.80Hz, 1H), 3.51 (ddd, J=18.00, 10.10, 7.30Hz, 1H), 3.66 (dt, J=14.70, 6.50Hz, 1H), 7.33 (dd, J=7.50, 2.00Hz, 1H), 7.35 (d, J=1.80Hz, 1H), 7.95 (s, 1H), 8.05 (d, J=8.20Hz, 1H)	492	490	(R)	-
A-115		(400 MHz, CDCl3) 0.35 - 0.42 (m, 1H), 0.44 - 0.49 (m, 1H), 0.78 - 0.91 (m, 11H), 1.31 - 1.40 (m, 3H), 1.91 - 2.22 (m, 4H), 2.27 (s, 3H), 2.31 - 2.46 (m, 5H), 2.74 (dd, J=14.19, 5.12Hz, 1H), 2.95 - 3.05 (m, 1H), 3.45 - 3.54 (m, 1H), 3.60 - 3.67 (m, 1H), 7.02 (d, J=8.37Hz, 1H), 7.13 (s, 1H), 7.78 (s, 1H), 8.06 (d, J=8.37Hz, 1H)	501	499	(S)	-

Fig. 34

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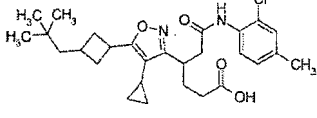
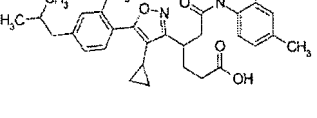
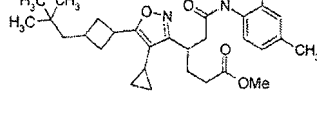
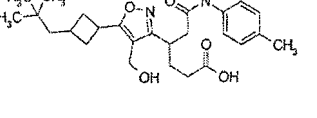
Ejemplo	Estructura	RMN	MS		Estereoqui- mica de AUX-H	Materiales o estero- química
			M+H	M-H		
B-5		(400 MHz, CDCl ₃) 0.31 - 0.38 (m, 1H), 0.40 - 0.48 (m, 1H), 0.78 - 0.89 (m, 1H), 1.31 - 1.39 (m, 1H), 1.44 (d, J=6.98Hz, 2H), 2.00 - 2.22 (m, 4H), 2.27 (s, 3H), 2.32 - 2.51 (m, 4H), 2.63 - 2.80 (m, 2H), 2.97 - 3.08 (m, 1H), 3.59 - 3.69 (m, 2H), 7.02 (d, J=8.37Hz, 1H), 7.13 (s, 1H), 7.80 (s, 1H), 8.07 (d, J=8.37Hz, 1H)	501	499	(S)	-
C-7		(400 MHz, CDCl ₃) 0.10 - 0.20 (m, 1H), 0.22 - 0.32 (m, 1H), 0.65 - 0.79 (m, 2H), 0.92 (d, J=7.20Hz, 6H), 1.49 - 1.60 (m, 1H), 1.82 - 1.96 (m, 1H), 2.10 - 2.38 (m, 2H), 2.21 (s, 3H), 2.28 (s, 3H), 2.41 - 2.57 (m, 2H), 2.48 (d, J=8.00Hz, 2H), 2.83 (dd, J=14.00, 5.60 Hz, 1H), 3.09 (dd, J=14.00, 9.20Hz, 1H), 3.70 - 3.81 (m, 1H), 6.98 - 7.07 (m, 3H), 7.14 (s, 1H), 7.23 (d, J=7.60Hz, 1H), 7.86 (s, 1H), 8.09 (d, J=8.40Hz, 1H)	523	521	(R)	-
A-116		(400 MHz, CDCl ₃) 0.36 - 0.41 (m, 1H), 0.44 - 0.49 (m, 1H), 0.80 - 0.85 (m, 2H), 0.87 (s, 9H), 1.32 - 1.39 (m, 3H), 1.94 - 2.18 (m, 4H), 2.27 (s, 3H), 2.32 - 2.44 (m, 5H), 2.72 (dd, J=14.40, 5.60Hz, 1H), 3.00 (dd, J=14.40, 9.60Hz, 1H), 3.45 - 3.54 (m, 1H), 3.56 - 3.63 (m, 1H), 3.65 (s, 3H), 7.02 (dd, J=8.40, 1.60 Hz, 1H), 7.14 (d, J=1.20Hz, 1H), 7.73 (s, 1H), 8.09 (d, J=8.40Hz, 1H)	515	513	(R)	-
A-117		(400 MHz, CDCl ₃) 0.85 (s, 9H), 1.37 (d, J=6.40Hz, 2H), 2.00 - 2.07 (m, 3H), 2.18 (dt, J=20.10, 6.90Hz, 1H), 2.26 (s, 3H), 2.32 - 2.49 (m, 5H), 2.87 (dd, J=14.40, 4.50Hz, 1H), 3.02 (dd, J=15.10, 10.90Hz, 1H), 3.43 - 3.52 (m, 1H), 3.55 - 3.62 (m, 1H), 4.45 (dd, J=20.00, 12.90Hz, 2H), 6.98 (d, J=8.60Hz, 1H), 7.12 (s, 1H), 7.71 (s, 1H), 7.91 (d, J=8.40Hz, 1H)	491	489	(R)	-

Fig. 35

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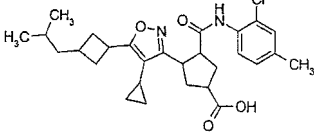
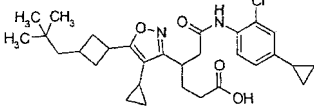
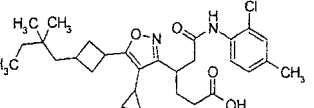
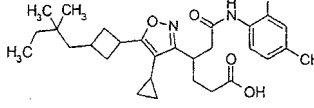
Ejemplo	Estructura	RMN	MS		Estereoqui- mica de AUX-H	Materiales o estero- química
			M+H	M-H		
A-118		(400 MHz, DMSO-d6) 0.39 (s, 2H), 0.78 (dd, J=8.27, 2.10Hz, 2H), 0.85 (dd, J=6.51, 4.08Hz, 6H), 1.30 (t, J=6.84Hz, 2H), 1.39 (t, J=5.29Hz, 1H), 1.48 - 1.55 (m, 1H), 1.82 - 1.87 (m, 2H), 1.98 - 2.09 (m, 2H), 2.27 (d, J=6.84Hz, 3H), 2.33 - 2.41 (m, 4H), 2.97 - 3.01 (m, 1H), 3.38 - 3.42 (m, 2H), 3.51 - 3.59 (m, 2H), 7.08 - 7.11 (m, 1H), 7.28 (s, 1H), 7.46 - 7.48 (m, 1H), 9.44 (s, 1H), 12.27 (br s, 1H)	499	497	Sin usar AUX-H	4-oxo- ciclopentan- trans-1,2- dicarboxilato de dimetilo como un material : : Mezcla de enantiómero de A-112 y enantiómero de A-113
A-119		(400 MHz, CDCl3) 0.36 - 0.47 (m, 2H), 0.60 - 0.64 (m, 2H), 0.80 - 0.95 (m, 13H), 1.32 - 1.39 (m, 3H), 1.77 - 1.84 (m, 1H), 1.96 - 2.16 (m, 4H), 2.36 - 2.39 (m, 5H), 2.74 (dd, J=14.22, 5.18Hz, 1H), 3.01 (dd, J=14.11, 9.70Hz, 1H), 3.47 - 3.52 (m, 1H), 3.64 (s, 1H), 6.91 (dd, J=8.60, 1.98 Hz, 1H), 7.02 (d, J=1.98Hz, 1H), 7.82 (s, 1H), 8.03 (d, J=8.60Hz, 1H)	527	525	(R)	-
A-120		(400 MHz, DMSO-d6) 0.34 - 0.42 (m, 1H), 0.42 - 0.54 (m, 1H), 0.67 - 0.86 (m, 13H), 1.13 - 1.22 (m, 2H), 1.28 - 1.36 (m, 2H), 1.36 - 1.46 (m, 1H), 1.78 - 1.97 (m, 2H), 2.11 - 2.23 (m, 2H), 2.23 - 2.29 (m, 3H), 2.29 - 2.42 (m, 2H), 2.61 - 2.88 (m, 3H), 3.40 - 3.47 (m, 1H), 3.47 - 3.59 (m, 1H), 7.07 (d, J=52.34Hz, 1H), 7.27 (brs, 1H), 7.42 (d, J=40.01Hz, 1H), 9.42 (brs, 1H), 12.03 (brs, 1H)	515	513	(R)	-
A-121		(400 MHz, DMSO-d6) 0.33 - 0.44 (m, 1H), 0.44 - 0.55 (m, 1H), 0.71 - 0.86 (m, 11H), 1.12 - 1.24 (m, 2H), 1.27 - 1.35 (m, 2H), 1.35 - 1.47 (m, 1H), 1.80 - 1.95 (m, 4H), 2.12 - 2.22 (m, 2H), 2.22 - 2.30 (m, 3H), 2.29 - 2.44 (m, 3H), 2.62 - 2.89 (m, 2H), 3.38 - 3.63 (m, 2H), 6.87 - 6.98 (m, 1H), 7.00 - 7.09 (m, 1H), 7.53 - 7.66 (m, 1H), 9.66 (brs, 1H)	499	497	(R)	-

Fig. 36

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Ejemplo	Estructura	RMN	MS		Estereoqui- mica de AUX-H	Materiales o estero- química
			M+H	M-H		
A-122		(400 MHz, DMSO-d6) 0.71 - 0.85 (m, 9H), 1.12 - 1.22 (m, 2H), 1.29 - 1.38 (m, 2H), 1.84 - 2.02 (m, 4H), 2.14 - 2.24 (m, 2H), 2.24 - 2.30 (m, 3H), 2.37 - 2.48 (m, 3H), 2.75 - 2.88 (m, 2H), 3.40 - 3.51 (m, 1H), 3.62 - 3.79 (m, 1H), 7.06 - 7.14 (m, 1H), 7.29 (brs, 1H), 7.40 - 7.48 (m, 1H), 9.53 (brs, 1H), 12.13 (brs, 1H)	543	541	(R)	—
A-123		(400 MHz, CDCl3) 0.85 (s, 9H), 1.37 (d, J=6.30Hz, 2H), 2.01 - 2.21 (m, 4H), 2.26 (s, 3H), 2.31 - 2.50 (m, 5H), 2.76 (dd, J=15.10, 5.30Hz, 1H), 2.96 (dd, J=14.07, 8.80Hz, 1H), 3.48 - 3.62 (m, 2H), 6.66 (t, J=54.70Hz, 1H), 7.01 (d, J=8.80Hz, 1H), 7.13 (s, 1H), 7.61 (s, 1H), 8.07 (d, J=8.10Hz, 1H)	511	509	(R)	—
A-124		(400 MHz, CDCl3) 0.50 - 0.51 (m, 1H), 0.83 - 0.85 (m, 1H), 0.87 (s, 9H), 0.96 - 0.98 (m, 2H), 1.46 - 1.51 (m, 3H), 2.12 - 2.14 (m, 2H), 2.21 - 2.45 (m, 8H), 2.58 - 2.68 (m, 2H), 2.80 (dd, J=13.56, 4.74Hz, 1H), 3.00 - 3.06 (m, 1H), 3.56 - 3.57 (m, 1H), 4.75 - 4.79 (m, 1H), 6.79 (t, J=10.37Hz, 2H), 7.76 (t, J=8.16Hz, 1H), 8.08 (s, 1H)	485	483	(R)	—
C-8		(400 MHz, CDCl3) 0.29 - 0.40 (m, 1H), 0.60 - 0.70 (m, 1H), 0.75 - 0.92 (m, 2H), 0.98 (s, 9H), 1.48 - 1.58 (m, 2H), 1.63 - 1.73 (m, 1H), 2.09 - 2.32 (m, 2H), 2.26 (s, 3H), 2.32 - 2.49 (m, 2H), 2.59 - 2.70 (m, 2H), 2.85 (dd, J=14.00, 4.80Hz, 1H), 3.12 (dd, J=14.00, 10.00Hz, 1H), 3.58 - 3.68 (m, 1H), 7.00 (d, J=8.40Hz, 1H), 7.11 (s, 1H), 7.29 (d, J=8.40Hz, 2H), 7.38 (d, J=8.40Hz, 2H), 7.75 (s, 1H), 7.97 (d, J=8.40Hz, 1H)	537	535	(R)	—

Fig. 37

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Ejemplo	Estructura	RMN	MS		Estereoqui- mica de AUX-H	Materiales o estero- química
			M+H	M-H		
C-9		(400 MHz, CDCl3) 0.30 - 0.39 (m, 1H), 0.60 - 0.69 (m, 1H), 0.74 - 0.98 (m, 2H), 0.93 (s, 9H), 1.64 - 1.75 (m, 1H), 2.11 - 2.31 (m, 2H), 2.26 (s, 3H), 2.32 - 2.49 (m, 2H), 2.57 (s, 2H), 2.86 (dd, J=13.60, 4.80Hz, 1H), 3.12 (dd, J=13.60, 10.00Hz, 1H), 3.58 - 3.70 (m, 1H), 7.00 (d, J=8.00Hz, 1H), 7.11 (s, 1H), 7.23 (d, J=8.00Hz, 2H), 7.38 (d, J=8.00Hz, 2H), 7.76 (s, 1H), 7.97 (d, J=8.00Hz, 1H)	523	521	(R)	—
A-125		(400 MHz, DMSO-d6) 0.41 - 0.55 (m, 1H), 0.74 - 0.86 (m, 1H), 0.86 - 0.99 (m, 2H), 1.16 - 1.25 (m, 2H), 1.35 - 1.43 (m, 2H), 1.47 - 1.61 (m, 1H), 1.82 - 1.96 (m, 2H), 2.00 - 2.19 (m, 5H), 2.19 - 2.30 (m, 3H), 2.56 - 2.85 (m, 4H), 4.79 - 4.97 (m, 1H), 7.02 - 7.12 (m, 1H), 7.22 - 7.28 (m, 1H), 7.32 - 7.39 (m, 1H), 9.20 - 9.40 (m, 1H), 11.86 - 12.09 (m, 1H)	515	513	(R)	—
A-126		(400 MHz, DMSO-d6) 0.72 - 0.84 (m, 1H), 1.16 - 1.28 (m, 2H), 1.35 - 1.43 (m, 2H), 1.87 - 2.01 (m, 2H), 2.01 - 2.12 (m, 1H), 2.18 - 2.37 (m, 5H), 2.59 - 2.73 (m, 2H), 2.73 - 2.98 (m, 2H), 3.42 - 3.55 (m, 1H), 4.80 - 5.00 (m, 1H), 7.03 - 7.10 (m, 1H), 7.23 - 7.28 (m, 1H), 7.32 - 7.42 (m, 1H), 9.38 - 9.54 (m, 1H), 12.05 (brs, 1H)	543	541	(R)	—
A-127		(400 MHz, DMSO-d6) 0.42 - 0.56 (m, 1H), 0.73 - 0.83 (m, 1H), 0.88 - 0.97 (m, 1H), 1.14 - 1.26 (m, 2H), 1.34 - 1.41 (m, 2H), 1.50 - 1.61 (m, 2H), 1.77 - 1.92 (m, 1H), 1.96 - 2.09 (m, 1H), 2.09 - 2.18 (m, 2H), 2.18 - 2.26 (m, 3H), 2.55 - 2.81 (m, 5H), 4.78 - 4.93 (m, 1H), 6.83 - 6.94 (m, 1H), 6.94 - 7.03 (m, 1H), 7.44 - 7.60 (m, 1H), 9.49 (brs, 1H), 11.98 (brs, 1H)	499	497	(R)	—

Fig. 38

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Ejemplo	Estructura	RMN	MS		Estereoquímica de AUX-H	Materiales o esteroquímica
			M+H	M-H		
A-128		(400 MHz, CDCl3) 0.85 (s, 9H), 1.35 (d, J=6.30Hz, 2H), 1.97 - 2.14 (m, 4H), 2.26 (s, 3H), 2.33 (t, J=7.40 Hz, 2H), 2.37 - 2.48 (m, 3H), 2.72 (dd, J=15.00, 5.90 Hz, 1H), 2.94 (dd, J=14.90, 8.60Hz, 1H), 3.52 - 3.65 (m, 2H), 6.83 (d, J=5.60Hz, 1H), 6.85 (s, 1H), 7.53 (s, 1H), 7.99 (t, J=8.10Hz, 1H)	513	511	(R)	—
A-129		(400 MHz, CDCl3) 0.86 (s, 9H), 1.37 (d, J=6.00Hz, 2H), 2.00 - 2.20 (m, 4H), 2.13 (s, 3H), 2.25 (s, 3H), 2.37 - 2.48 (m, 5H), 2.71 (dd, J=14.20, 6.00Hz, 1H), 2.95 (dd, J=14.20, 9.10Hz, 1H), 3.56 - 3.68 (m, 2H), 6.87 (s, 1H), 6.88 (d, J=8.80Hz, 1H), 7.13 (s, 1H), 7.49 (d, J=8.80Hz, 1H)	509	507	(R)	—
A-130		(400 MHz, CDCl3) 0.35 - 0.41 (m, 1H), 0.44 - 0.50 (m, 1H), 0.80 - 0.84 (m, 2H), 0.85 (s, 9H), 1.37 (d, J=5.80Hz, 2H), 1.93 - 2.21 (m, 4H), 2.30 - 2.44 (m, 5H), 2.74 (dd, J=14.20, 5.30Hz, 1H), 2.98 (dd, J=14.40, 9.30Hz, 1H), 3.49 (ddd, J=18.40, 9.60, 6.30Hz, 1H), 3.64 (ddd, J=14.30, 7.00, 5.60Hz, 1H), 6.97 - 7.09 (m, 3H), 7.72 (s, 1H), 8.17 (t, J=7.70Hz, 1H)	471	469	(R)	—

Fig. 39

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Ejemplo	Estructura	RMN	MS		Estereoqui- mica de AUX-H	Materiales o estero- química
			M+H	M-H		
A-131		(400 MHz, DMSO-d6) 0.80 - 0.92 (m, 9H), 1.34 - 1.46 (m, 2H), 1.81 - 2.02 (m, 2H), 2.02 - 2.17 (m, 2H), 2.17 - 2.38 (m, 6H), 2.59 - 2.76 (m, 2H), 2.76 - 2.94 (m, 2H), 3.39 - 3.55 (m, 1H), 4.80 - 5.01 (m, 1H), 7.02 - 7.13 (m, 1H), 7.21 - 7.30 (m, 1H), 7.32 - 7.41 (m, 1H), 9.32 - 9.54 (m, 1H), 11.92 - 12.23 (m, 1H)	529	527	(R)	—
A-132		(400 MHz, DMSO-d6) 0.80 - 0.89 (m, 9H), 1.84 - 1.98 (m, 2H), 2.03 - 2.15 (m, 2H), 2.18 - 2.34 (m, 6H), 2.58 - 2.68 (m, 2H), 2.79 - 2.86 (m, 2H), 3.36 - 3.50 (m, 3H), 4.83 - 4.94 (m, 1H), 6.84 - 6.93 (m, 1H), 6.97 - 7.05 (m, 1H), 7.36 - 7.65 (m, 1H), 9.45 - 9.73 (m, 1H), 11.94 - 12.15 (m, 1H)	513	511	(R)	—
A-133		(400 MHz, CDCl3) 0.85 (s, 9H), 1.36 (d, J=6.00Hz, 2H), 1.86 (t, J=18.50Hz, 3H), 1.97 - 2.17 (m, 4H), 2.26 (s, 3H), 2.34 - 2.46 (m, 5H), 2.71 (dd, J=14.70, 5.30Hz, 1H), 3.00 (dd, J=14.07, 9.10Hz, 1H), 3.50 - 3.60 (m, 2H), 7.00 (d, J=7.90Hz, 1H), 7.13 (s, 1H), 7.58 (brs, 1H), 8.06 (d, J=8.60Hz, 1H)	525	523	(R)	—

Fig. 40

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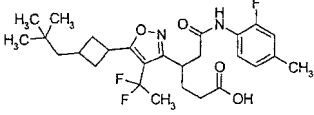
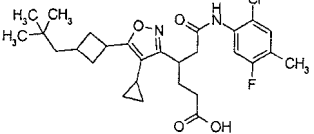
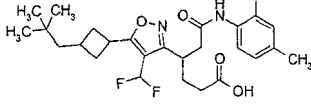
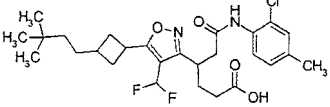
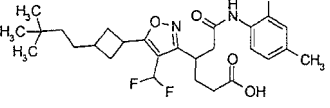
Ejemplo	Estructura	RMN	MS		Estereoqui- mica de AUX-H	Materiales o estero- química
			M+H	M-H		
A-134		(400 MHz, CDCl3) 0.85 (s, 9H), 1.36 (d, J=5.30Hz, 2H), 1.87 (t, J=18.50Hz, 3H), 1.97 - 2.16 (m, 4H), 2.27 (s, 3H), 2.34 - 2.46 (m, 5H), 2.71 (dd, J=14.80, 5.20Hz, 1H), 2.97 (dd, J=14.70, 9.50Hz, 1H), 3.50 - 3.61 (m, 2H), 6.83 - 6.87 (m, 2H), 7.38 (brs, 1H), 7.98 (t, J=8.50Hz, 1H)	509	507	(R)	—
A-135		(400 MHz, CDCl3) 0.37 - 0.49 (m, 2H), 0.81 - 0.87 (m, 2H), 0.81 (s, 9H), 1.31 - 1.36 (m, 1H), 1.38 (d, J=7.50Hz, 2H), 2.02 - 2.15 (m, 7H), 2.37 - 2.42 (m, 5H), 2.75 (dd, J=14.34, 5.07Hz, 1H), 3.02 (dd, J=14.34, 9.48Hz, 1H), 3.45 - 3.52 (m, 1H), 3.62 - 3.63 (m, 1H), 7.12 (d, J=7.50Hz, 1H), 7.86 (s, 1H), 8.03 (d, J=11.47Hz, 1H)	519	517	(R)	—
A-136		(400 MHz, CDCl3) 0.85 (s, 9H), 1.38 (d, J=6.40Hz, 2H), 2.04 - 2.12 (m, 4H), 2.28 (s, 3H), 2.37 - 2.48 (m, 5H), 2.78 (dd, J=15.00, 5.51Hz, 1H), 2.95 (dd, J=14.89, 9.15Hz, 1H), 3.55 - 3.59 (m, 2H), 6.71 (t, J=5.65Hz, 1H), 6.83 - 6.87 (m, 2H), 7.56 (brs, 1H), 7.98 (t, J=8.38Hz, 1H)	495	493	(R)	—

Fig. 41

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Ejemplo	Estructura	RMN	MS		Estereoqui- mica de AUX-H	Materiales o estero- química
			M+H	M-H		
A-137		(400 MHz, CDCl3) 0.85 (s, 9H), 1.03 - 1.07 (m, 2H), 1.34 - 1.40 (m, 2H), 1.92 - 2.02 (m, 2H), 2.05 - 2.20 (m, 3H), 2.26 (s, 3H), 2.34 - 2.45 (m, 4H), 2.76 (d, J=15.10, 5.30Hz, 1H), 2.97 (dd, J=15.20, 8.50Hz, 1H), 3.48 - 3.61 (m, 2H), 6.67 (t, J=54.50Hz, 1H), 7.01 (d, J=8.40Hz, 1H), 7.13 (s, 1H), 7.62 (s, 1H), 8.07 (d, J=8.40Hz, 1H)	525	523	(R)	—
A-138		(400 MHz, CDCl3) 0.85 (s, 9H), 1.03 - 1.07 (m, 2H), 1.34 - 1.40 (m, 2H), 1.93 - 2.22 (m, 5H), 2.27 (s, 3H), 2.36 - 2.46 (m, 4H), 2.75 (dd, J=14.90, 5.60Hz, 1H), 2.93 (dd, J=15.00, 9.00Hz, 1H), 3.49 - 3.63 (m, 2H), 6.67 (t, J=54.50Hz, 1H), 6.77 (s, 1H), 6.86 (d, J=16.70Hz, 1H), 7.41 (s, 1H), 8.00 (t, J=8.30Hz, 1H)	509	507	(R)	—

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Fig. 42

Ejemplo	in vitro EC50(μM)	
	LUC	
	Humano	Ratón
A-1	0.024	0.024
A-2	0.053	0.042
A-3	0.055	0.051
A-4	0.058	0.044
A-5	0.13	0.11
A-6	0.25	0.14
A-7	0.064	0.041
A-8	0.33	0.20
A-9	0.39	0.23
A-10	0.033	0.025
A-11	0.029	0.032
A-12	0.094	0.060
A-13	0.018	0.016
A-14	0.088	0.067
A-15	0.32	0.41
A-16	0.055	0.040
A-17	0.064	0.054
A-18	0.072	0.046
A-19	0.037	0.018
A-20	0.020	0.039
A-21	0.034	0.049
A-22	0.088	0.096
A-23	0.079	0.064
A-24	0.020	0.032
A-25	0.098	0.054
A-26	0.065	0.039
A-27	0.094	0.098
A-28	0.097	0.050

Fig. 43

	Ejemplo	in vitro EC50(μM)	
		LUC	
		Humano	Ratón
5	A-29	0.060	0.030
	A-30	0.16	0.097
	A-31	0.26	0.21
	A-32	0.046	0.042
	A-33	0.78	0.72
	A-34	>3.2	0.48
10	A-35	1.8	1.1
	A-36	0.063	0.039
	A-37	0.10	0.076
	A-38	0.26	0.083
	A-39	0.021	0.036
	A-40	0.23	0.095
15	A-41	>3.2	2.0
	A-42	0.25	0.098
	A-43	0.088	0.057
	A-44	0.12	0.12
	A-45	0.42	0.14
	A-46	0.092	0.087
20	A-47	0.27	0.12
	A-48	0.064	0.049
	A-49	1.2	0.23
	A-50	0.17	0.12
	A-51	0.11	0.069
	A-52	0.54	0.53
	A-53	0.033	0.037
	A-54	0.065	0.086
	A-55	0.063	0.094
	A-56	0.092	0.056

Fig. 44

Ejemplo	in vitro EC50(μM)		
	LUC		
	Humano	Ratón	
5	A-57	0.044	0.028
	A-58	0.024	0.034
	A-59	0.029	0.034
	A-60	0.024	0.040
	A-61	0.96	0.95
10	A-62	0.081	0.080
	A-63	0.21	0.056
	A-64	0.077	0.027
	A-65	0.11	0.15
	A-66	0.053	0.036
	A-67	0.043	0.026
	A-68	0.077	0.055
	A-69	0.17	0.13
	A-70	0.10	0.076
	A-71	0.39	0.14
15	A-72	0.058	0.049
	A-73	0.66	0.18
	A-74	1.1	0.50
	A-75	0.027	0.039
	A-76	0.045	0.043
	A-77	0.057	0.031
	A-78	0.030	0.016
20	A-79	0.041	0.050
	A-80	0.16	0.13
	A-81	1.1	0.84
	A-82	0.071	0.065
	A-83	0.53	0.19
	B-1	0.025	0.037

Fig. 45

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Ejemplo	in vitro EC50(μM)	
	LUC	
	Humano	Ratón
B-2	0.087	0.14
A-84	0.052	0.040
A-85	0.029	0.047

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Fig. 46

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Ejemplo	in vitro EC50(μ M)	
	LUC	
	Humano	Ratón
A-86	0.089	0.089
A-87	0.60	0.71
A-88	>3.2 (82%)	2.9
A-89	0.65	0.12
B-3	0.048	0.060
B-4	0.32	0.34
C-1	0.044	0.032
C-2	0.27	0.26
D-1	0.073	0.052
D-2	0.21	0.31
A-90	0.026	0.032
A-91	0.017	0.026
A-92	>20 (85%)	>20 (99%)
A-93	0.024	0.024
A-94	0.018	0.011
D-3	0.091	0.056
D-4	0.22	0.18
C-3	0.68	0.11
C-4	0.12	0.24
A-95	0.035	0.026
A-96	0.021	0.028
A-97	0.029	0.047
A-98	0.39	0.50
A-99	0.019	0.026
A-100	0.029	0.042

Fig. 47

Ejemplo	in vitro EC50(μ M)		
	LUC		
	Humano	Ratón	
5	A-101	0.017	0.025
	A-102	0.027	0.037
	D-5	0.032	0.022
	D-6	0.21	0.39
	A-103	0.022	0.048
10	A-104	>8 (79%)	>8 (82%)
	A-105	3.2	0.92
	A-106	>8 (82%)	>8 (92%)
	A-107	0.10	0.054
	A-108	0.17	0.16
	A-109	0.13	0.12
	A-110	0.065	0.045
	A-111	0.022	0.031
	A-112	>8 (62%)	1.9
	A-113	0.076	0.11
15	C-5	5.6	1.6
	C-6	0.23	0.078
	A-114	0.021	0.025
	A-115	1.2	0.36
	B-5	2.4	0.40
20	C-7	2.0	0.82
	A-116	0.024	0.018
	A-117	0.067	0.040
	A-118	0.48	0.19
	A-119	0.061	0.072

Fig. 48

5

10

15

Ejemplo	in vitro EC50(μ M)	
	LUC	
	Humano	Ratón
A-120	0.014	0.022
A-121	0.011	0.017
A-122	0.028	0.030
A-123	0.024	0.020
A-124	0.019	0.022
C-8	0.25	0.059
C-9	0.020	0.019
A-125	0.0099	0.017
A-126	0.014	0.018
A-127	0.013	0.021
A-128	0.11	0.046
A-129	0.051	0.038
A-130	0.019	0.014
A-131	0.022	0.021
A-132	0.053	0.030
A-133	no ensayado	no ensayado
A-134	no ensayado	no ensayado
A-135	no ensayado	no ensayado
A-136	no ensayado	no ensayado
A-137	no ensayado	no ensayado
A-138	no ensayado	no ensayado

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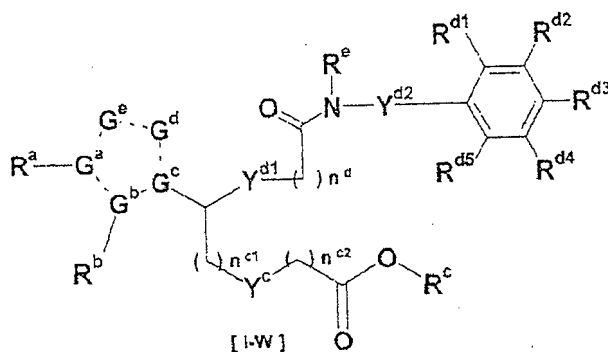
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JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS,
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SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VC, VN, ZA, ZM, ZW.

[続葉有]

(54) Title: AMIDE COMPOUND AND PHARMACEUTICAL APPLICATION THEREFOR

(54) 発明の名称: アミド化合物およびその医薬用途



(57) Abstract: A compound represented by general formula [I-W], or pharmaceutically acceptable salt thereof. (The symbols that appear in the formula are as described in the description.)

(57) 要約: 下記一般式 [I-W] で表される化合物又はその医薬上許容される塩。(式中、各記号は明細書に記載の通りである。)

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シア (AM, AZ, BY, KG, KZ, RU, TJ, TM), ヨーロ
ッパ (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK,
MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR),

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— 国際調査報告 (条約第 21 条(3))

DESCRIPTION

AMIDE COMPOUND AND PHARMACEUTICAL APPLICATION THEREFOR

5 Technical Field

[0001]

The present invention relates to amide compounds and medicinal use thereof.

10 In particular, the present invention relates to compounds which can inhibit retinoid-related orphan receptor gamma (ROR γ), thereby the differentiation and activation of T helper 17 (Th17) cells can be inhibited, and the production of interleukin-17 (IL-17) can be inhibited.

15 Specifically, the present invention relates to compounds for preventing or treating a disease related to Th17 cells, for example, autoimmune disease such as rheumatoid arthritis, psoriasis, inflammatory bowel disease such as Crohn's disease and ulcerative colitis, multiple
20 sclerosis, systemic lupus erythematosus (SLE), ankylosing spondylitis, uveitis, polymyalgia rheumatica, and type I diabetes; allergic disease such as asthma; dry eye; fibrosis such as pulmonary fibrosis and primary biliary cirrhosis; and metabolic disease such as diabetes and
25 medicinal use thereof.

Background Art

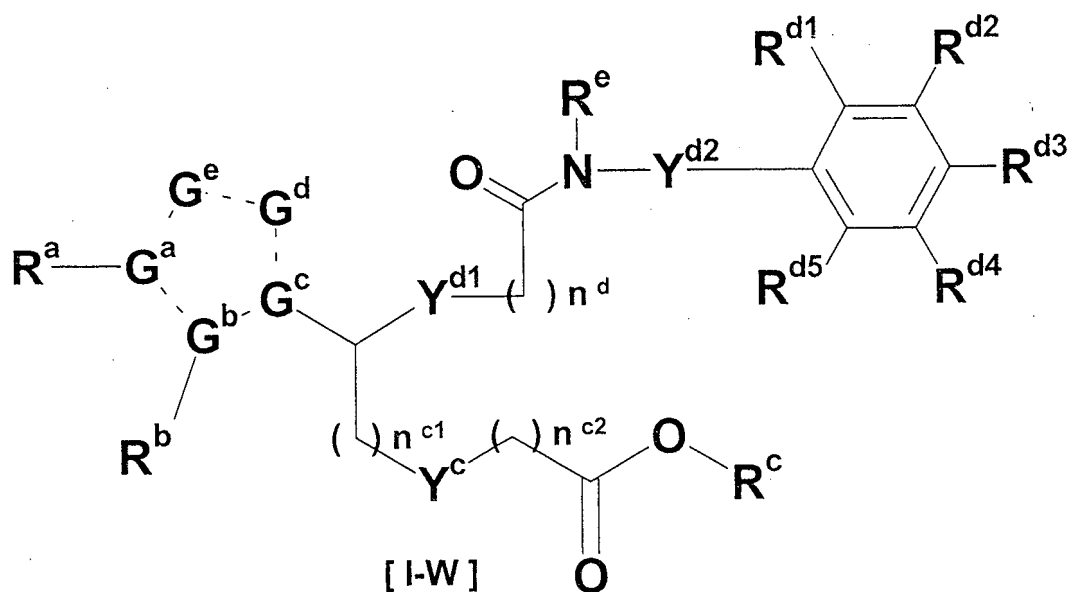
[0002]

ROR γ is a nuclear receptor which is important for the differentiation and activation of Th17 cells. ROR γ t is also known as a splice variant of ROR γ . ROR γ and ROR γ t differ only in their N-terminal domains, and share the same ligand-binding domain and DNA-binding domain. It is reported that ROR γ is expressed in other tissues besides Th17 cells. By inhibiting ROR γ , the differentiation and activation of Th17 cells can be inhibited. IL-17 produced in Th17 cells is involved in the induction of a variety of chemokines, cytokines, metalloproteases and other inflammatory mediators, and the migration of neutrophil, hence, the inhibition of IL-17 may lead to the inhibition of such induction and migration. ROR γ in adipose tissues is related to the regulation of adipogenesis, and by inhibiting ROR γ , insulin resistance can be improved.

It is known that Th17 cells are involved in autoimmune disease such as rheumatoid arthritis, psoriasis, inflammatory bowel disease such as Crohn's disease and ulcerative colitis, multiple sclerosis, systemic lupus erythematosus, ankylosing spondylitis, uveitis, polymyalgia rheumatica, and type I diabetes; allergic disease; dry eye; and fibrosis such as pulmonary fibrosis and primary biliary

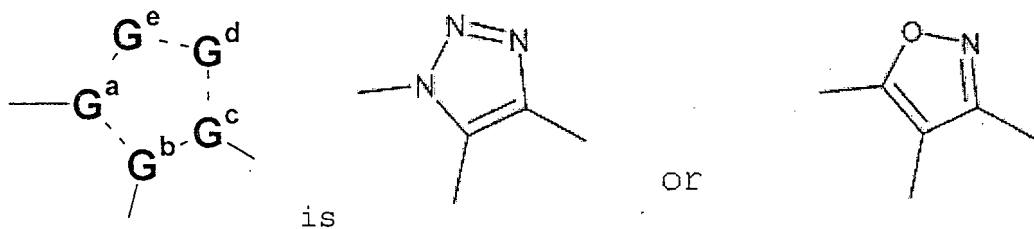
CLAIMS

1. A compound of formula [I-W]:



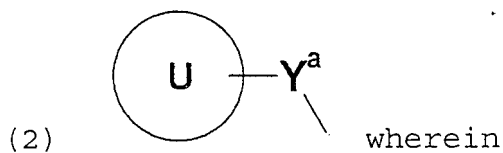
5

wherein



R^a is

- (1) C_{5-12} alkyl group which may be substituted with the same or different 1 to 5 substituents selected from Group A,
 10 or



Y^a is

- (i) single bond, or
- (ii) C₁₋₆ alkylene group,

cyclic moiety U is

- 5 (i) C₃₋₇ cycloalkyl group which may be substituted with the same or different 1 to 5 substituents selected from Group A,

- (ii) C₅₋₁₁ spirocyclic cycloalkyl group which may be substituted with the same or different 1 to 5 substituents
10 selected from Group A, or

- (iii) C₆₋₁₀ aryl group which may be substituted with the same or different 1 to 5 substituents selected from Group A;

R^b is a group selected from the following (1) to (3):

- 15 (1) C₁₋₃ alkyl group which may be substituted with the same or different 1 to 5 substituents selected from Group A,
- (2) C₂₋₃ alkenyl group which may be substituted with the same or different 1 to 5 substituents selected from Group A,
- (3) C₃₋₇ cycloalkyl group which may be substituted with the
20 same or different 1 to 5 substituents selected from Group A;

R^c is

- (1) hydrogen atom, or
- (2) C₁₋₆ alkyl group;

- 25 Y^c is a group selected from the following (1) to (7):

12

- (1) single bond,
- (2) C₁₋₆ alkylene group which may be substituted with the same or different 1 to 5 substituents selected from Group A,
- (3) -NR^{C1}- wherein R^{C1} is hydrogen atom or C₁₋₆ alkyl group,
- 5 (4) -O-,
- (5) C₃₋₁₀ cycloalkylene group which may be substituted with the same or different 1 to 5 substituents selected from Group A,
- (6) C₆₋₁₀ arylene group which may be substituted with the same or different 1 to 5 substituents selected from Group A,
- 10 (7) monocyclic heteroaromatic group which may be substituted with the same or different 1 to 5 substituents selected from Group A wherein the monocyclic heteroaromatic ring consists of carbon atoms and the same or different 1 to 4 hetero atoms selected from nitrogen atom, oxygen atom and sulfur atom, and is 3 to 7-membered;
- 15

Y^{d1} is

- (1) single bond, or
- (2) C₁₋₆ alkylene group which may be substituted with the same or different 1 to 5 substituents selected from Group A; or alternatively
- 20

both Y^c and Y^{d1} may be methine and be linked each other directly or via C₁₋₄ alkylene group to form C₃₋₇ cycloalkyl ring;

25 Y^{d2} is

(1) single bond, or

(2) C₁₋₆ alkylene group;

R^{d1}, R^{d2}, R^{d3}, R^{d4}, and R^{d5} are the same or different group selected from the following (1) to (7):

5 (1) hydrogen atom

(2) halogen atom,

(3) C₁₋₆ alkyl group which may be substituted with the same or different 1 to 5 substituents selected from Group A,

10 (4) -OR^{d10} wherein R^{d10} is hydrogen atom or C₁₋₆ alkyl group which may be substituted with the same or different 1 to 5 substituents selected from Group A,

(5) -COOR^{d11} wherein R^{d11} is hydrogen atom or C₁₋₆ alkyl group,

15 (6) C₃₋₇ cycloalkyl group which may be substituted with the same or different 1 to 5 substituents selected from Group A,

(7) cyano group, or alternatively

20 R^{d1} and R^{d2}, or R^{d2} and R^{d3} can be taken together to form a C₆₋₁₀ aryl ring fused to the benzene ring to which they are all attached wherein the C₆₋₁₀ aryl ring may be substituted with the same or different 1 to 4 substituents selected from Group A;

R^e is

(1) hydrogen atom, or

(2) C₁₋₃ alkyl group, or alternatively

25 R^e and R^{d1}, or R^e and R^{d5} can be taken together to form

C₁₋₄ alkylene;

n^{c1} is an integer selected from 0 or 1 to 4,

n^{c2} is an integer selected from 0 or 1 to 3,

n^d is an integer selected from 0 or 1 to 3,

5 Group A is

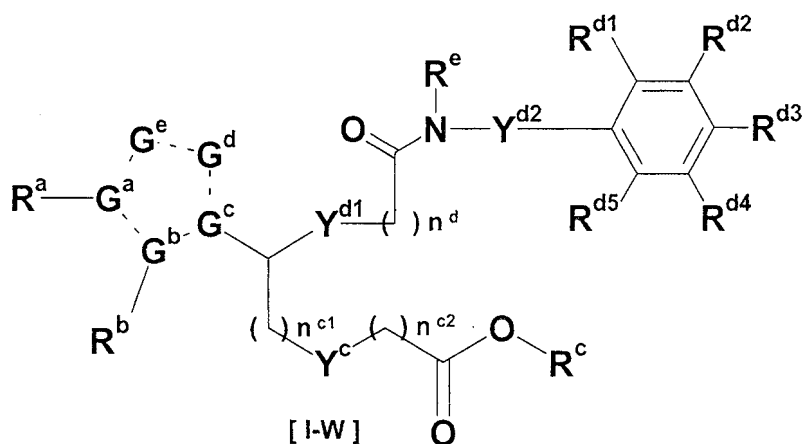
(a) C₁₋₆ alkyl group,

(b) halogen atom, and

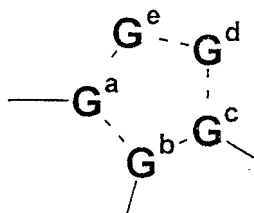
(c) -OR^{A1} wherein R^{A1} is hydrogen atom or C₁₋₆ alkyl group,
or a pharmaceutically acceptable salt thereof.

10

2. The compound of formula [I-W] according to claim
1:

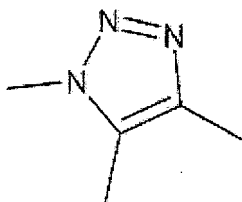


wherein

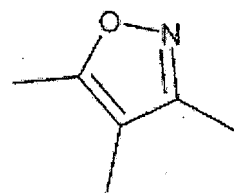


15

is



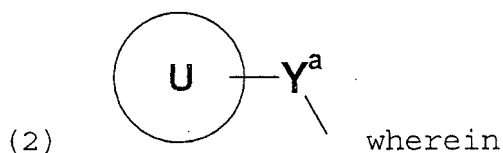
or



;

R^a is

(1) C₅₋₁₂ alkyl group which may be substituted with the same or different 1 to 5 substituents selected from Group A, or



5 Y^a is

(i) single bond, or
(ii) C₁₋₆ alkylene group,
cyclic moiety U is

(i) C₃₋₇ cycloalkyl group which may be substituted with
10 the same or different 1 to 5 substituents selected from Group A, or

(ii) C₅₋₁₁ spirocyclic cycloalkyl group which may be substituted with the same or different 1 to 5 substituents selected from Group A;

15 R^b is a group selected from the following (1) to (3):

(1) C₁₋₃ alkyl group which may be substituted with the same or different 1 to 5 substituents selected from Group A,

(2) C₂₋₃ alkenyl group which may be substituted with the same or different 1 to 5 substituents selected from Group A,

20 (3) C₃₋₇ cycloalkyl group which may be substituted with the same or different 1 to 5 substituents selected from Group A;

R^c is

(1) hydrogen atom, or

(2) C₁₋₆ alkyl group;

Y^c is a group selected from the following (1) to (7):

(1) single bond,

5 (2) C₁₋₆ alkylene group which may be substituted with the same or different 1 to 5 substituents selected from Group A,

(3) -NR^{c1}- wherein R^{c1} is hydrogen atom or C₁₋₆ alkyl group,

(4) -O-,

10 (5) C₃₋₁₀ cycloalkylene group which may be substituted with the same or different 1 to 5 substituents selected from Group A,

(6) C₆₋₁₀ arylene group which may be substituted with the same or different 1 to 5 substituents selected from Group A,

15 (7) monocyclic heteroaromatic group which may be substituted with the same or different 1 to 5 substituents selected from Group A wherein the monocyclic heteroaromatic ring consists of carbon atoms and the same or different 1 to 4 hetero atoms selected from nitrogen atom, oxygen atom and sulfur atom, and is 3 to 7-membered;

20 Y^{d1} is

(1) single bond, or

(2) C₁₋₆ alkylene group which may be substituted with the same or different 1 to 5 substituents selected from Group A;

25 Y^{d2} is

(1) single bond, or

(2) C₁₋₆ alkylene group;

R^{d1}, R^{d2}, R^{d3}, R^{d4}, and R^{d5} are the same or different group selected from the following (1) to (4):

5 (1) hydrogen atom

(2) halogen atom,

(3) C₁₋₆ alkyl group which may be substituted with the same or different 1 to 5 substituents selected from Group A,

10 (4) -OR^{d10} wherein R^{d10} is hydrogen atom or C₁₋₆ alkyl group which may be substituted with the same or different 1 to 5 substituents selected from Group A, or alternatively

R^{d1} and R^{d2}, or R^{d2} and R^{d3} can be taken together to form a C₆₋₁₀ aryl ring fused to the benzene ring to which they are all attached wherein the C₆₋₁₀ aryl ring may be substituted with the same or different 1 to 4 substituents
15 selected from Group A;

n^{c1} is an integer selected from 0 or 1 to 3,

n^{c2} is an integer selected from 0 or 1 to 3,

n^d is an integer selected from 0 or 1 to 3,

20 R^e is hydrogen atom,

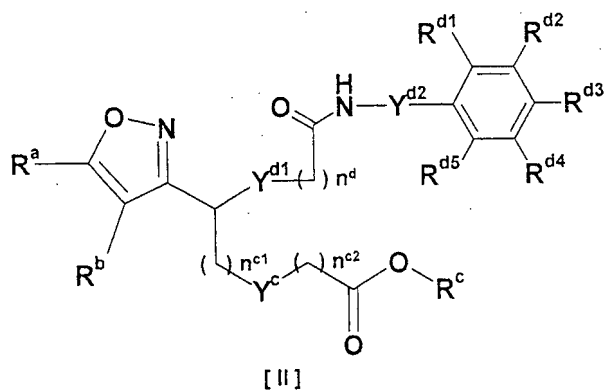
Group A is

(a) C₁₋₆ alkyl group,

(b) halogen atom, and

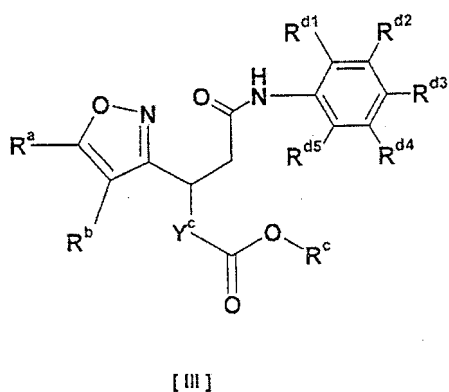
(c) -OR^{A1} wherein R^{A1} is hydrogen atom or C₁₋₆ alkyl group,
25 or a pharmaceutically acceptable salt thereof.

3. The compound of formula [II] according to claim 1:



- 5 wherein each symbol is as defined in claim 1,
or a pharmaceutically acceptable salt thereof.

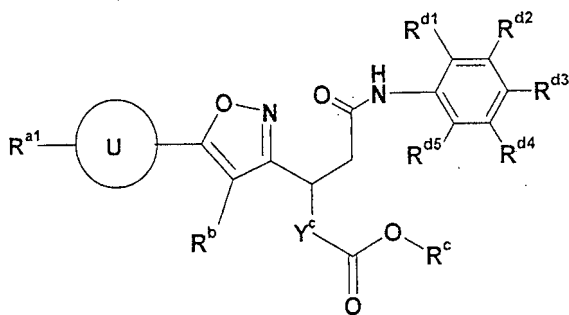
4. The compound of formula [III] according to claim 3:



10

- wherein each symbol is as defined in claim 1,
or a pharmaceutically acceptable salt thereof.

5. The compound of formula [IV] according to claim 4:

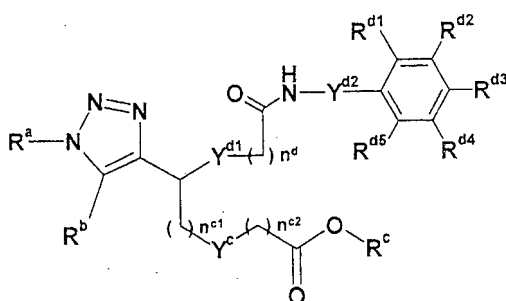


[IV]

wherein R^{a1} is C_{1-6} alkyl group, and the other symbols are as defined in claim 1,
or a pharmaceutically acceptable salt thereof.

5

6. The compound of formula [V] according to claim 1:



[V]

wherein each symbol is as defined in claim 1,
or a pharmaceutically acceptable salt thereof.

10

7. The compound according to any one of claims 1 to 6 wherein:

R^b is C_{3-7} cycloalkyl group which may be substituted with the same or different 1 to 5 substituents selected from Group A,

15

or a pharmaceutically acceptable salt thereof.

8. The compound according to any one of claims 1 to 7 wherein:

R^b is cyclopropyl group,
5 or a pharmaceutically acceptable salt thereof.

9. The compound according to any one of claims 1 to 8 wherein:

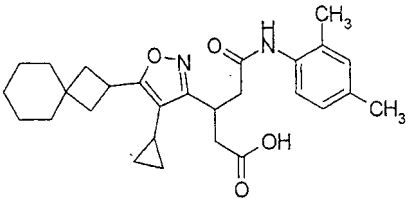
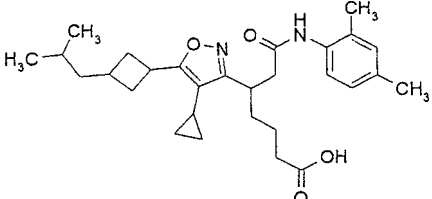
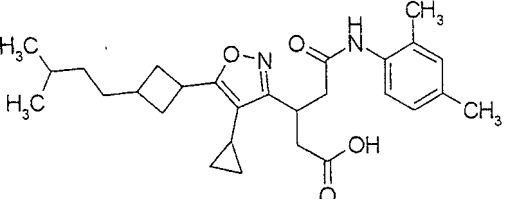
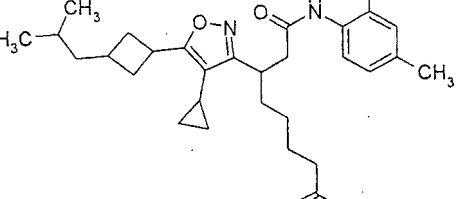
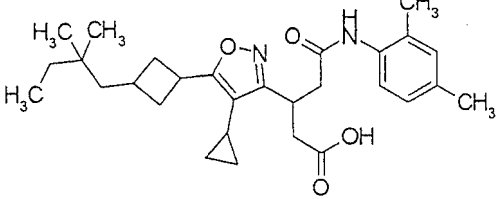
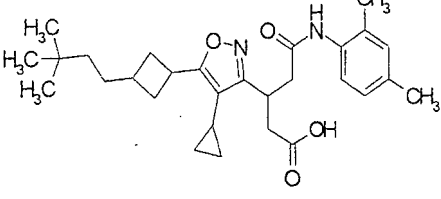
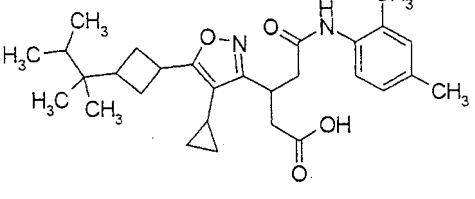
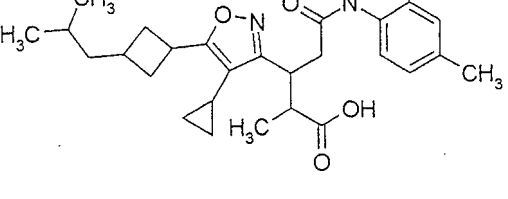
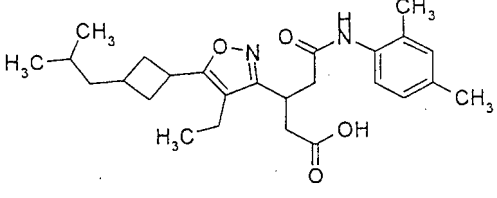
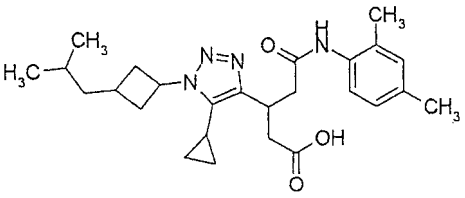
the cyclic moiety U is C₃₋₇ cycloalkyl group which may
10 be substituted with the same or different 1 to 5
substituents selected from Group A,
or a pharmaceutically acceptable salt thereof.

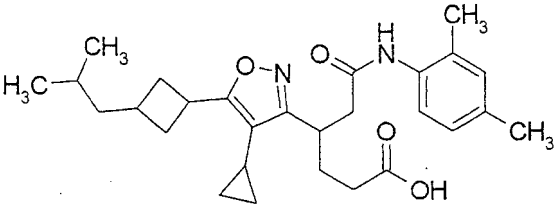
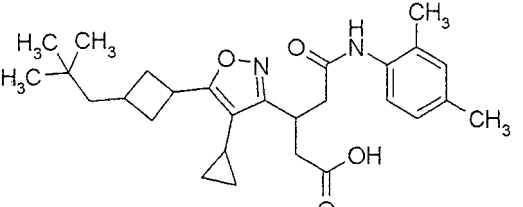
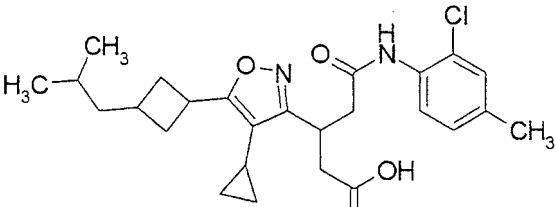
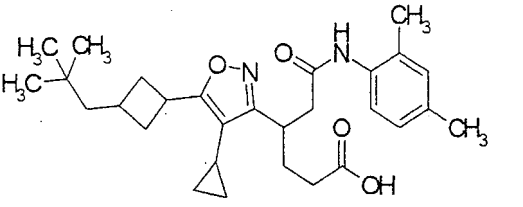
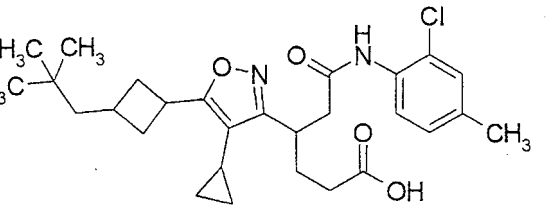
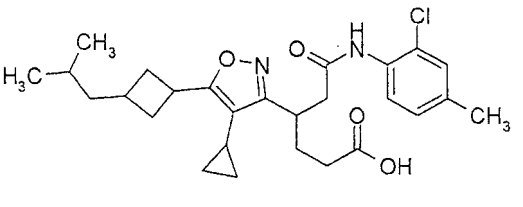
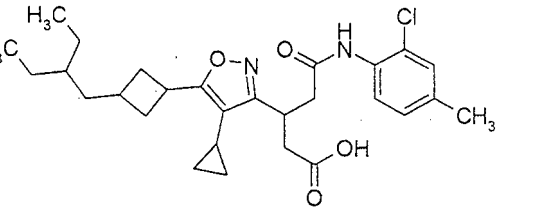
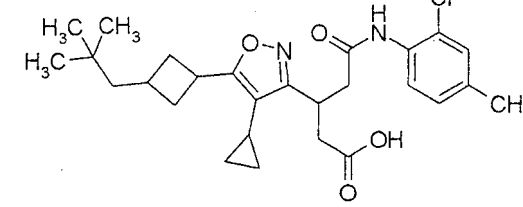
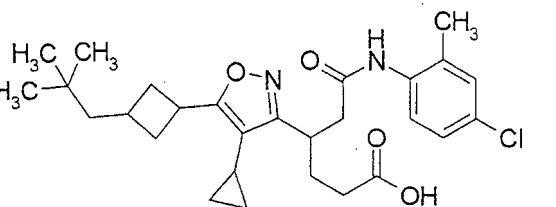
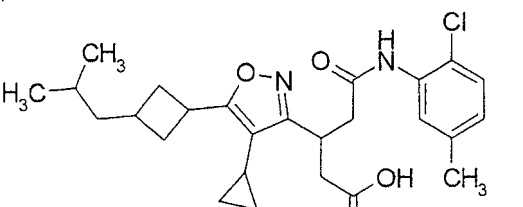
10. The compound according to any one of claims 1 to 9 wherein:

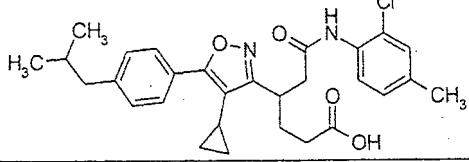
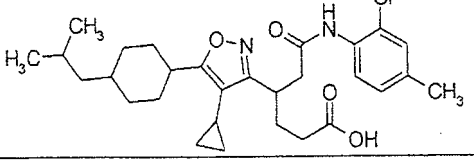
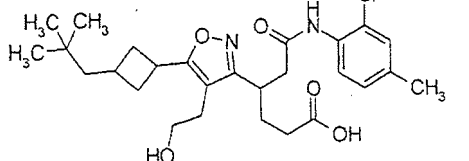
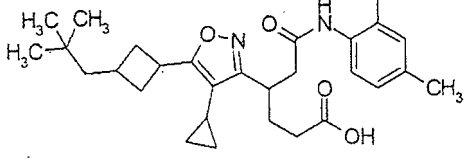
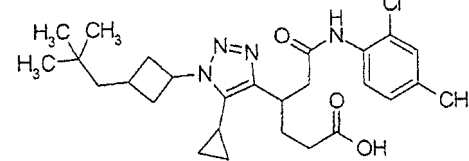
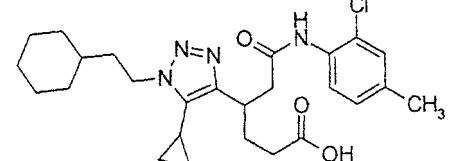
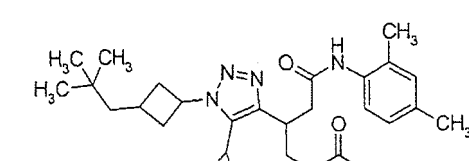
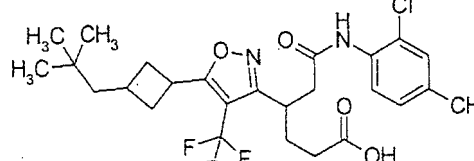
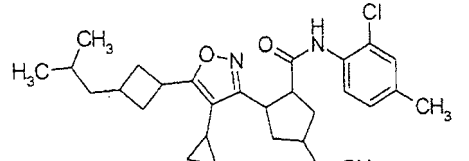
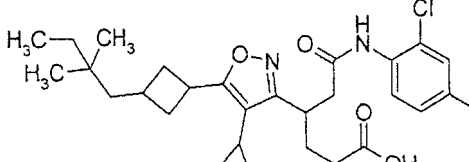
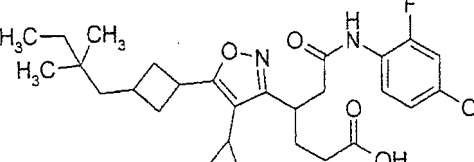
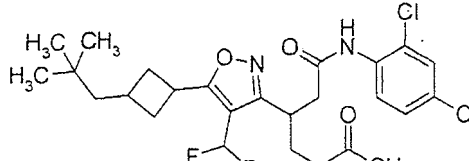
the cyclic moiety U is cyclobutyl group which may be
substituted with the same or different 1 to 5 substituents
selected from Group A,
or a pharmaceutically acceptable salt thereof.

20

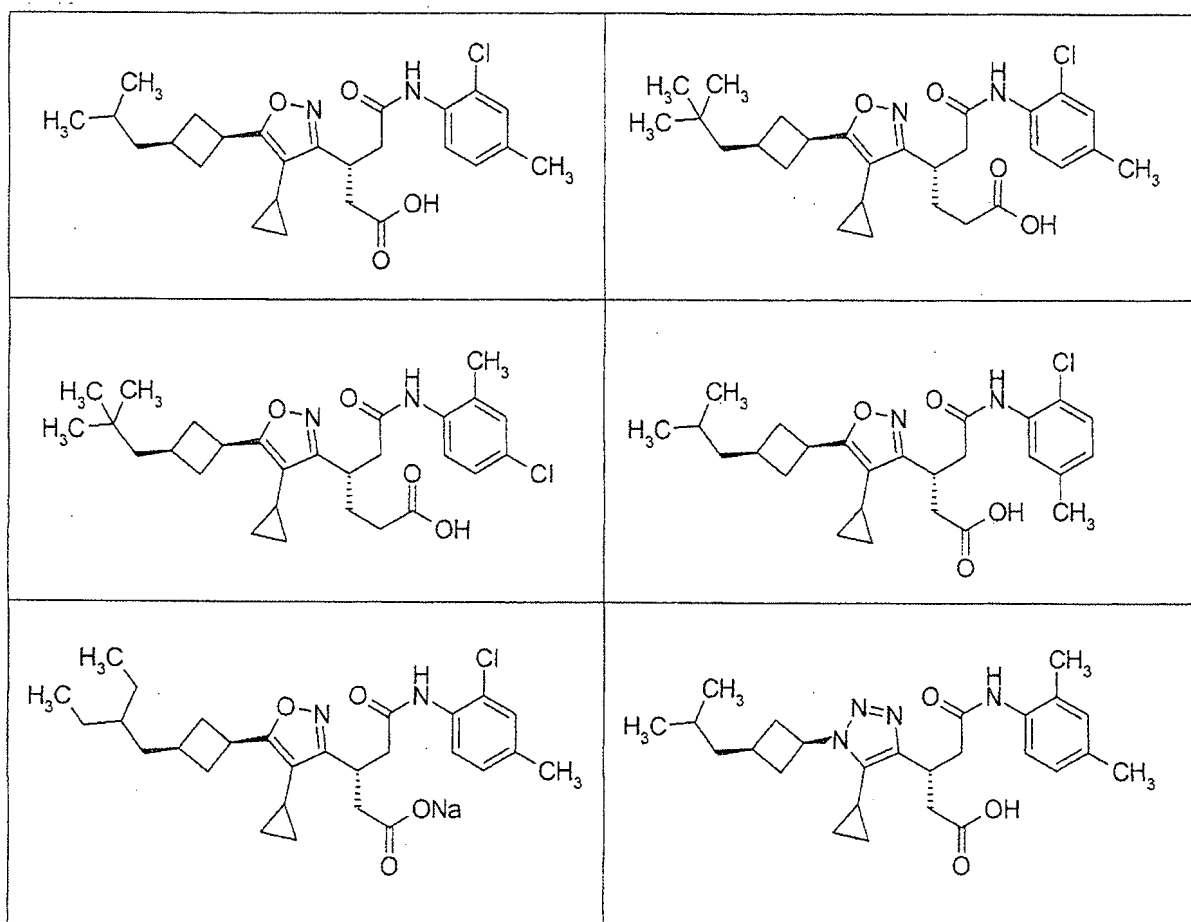
11. The compound according to claim 1 or 2 which is
selected from the group consisting of the following
formulas or a pharmaceutically acceptable salt thereof:

12. The compound according to claim 1 or 2 which is selected from the group consisting of the following formulas or a pharmaceutically acceptable salt thereof:



5

13. A pharmaceutical composition comprising the compound according to any one of claims 1 to 12 or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier.

10

14. A RORy antagonist comprising the compound according to any one of claims 1 to 12 or a pharmaceutically acceptable salt thereof.

5 15. A medicament for treating or preventing a disease selected from the group consisting of autoimmune disease, allergic disease, and metabolic disease, comprising the compound according to any one of claims 1 to 12 or a pharmaceutically acceptable salt thereof.

10

16. A medicament for treating or preventing a disease selected from the group consisting of autoimmune disease and allergic disease, comprising the compound according to any one of claims 1 to 12 or a pharmaceutically acceptable salt thereof.

15

17. The medicament according to claim 15 or 16 wherein the autoimmune disease is selected from the group consisting of rheumatoid arthritis, psoriasis, inflammatory bowel disease, multiple sclerosis, systemic lupus erythematosus, ankylosing spondylitis, uveitis, polymyalgia rheumatica, and type I diabetes.

20

18. The medicament according to claim 15 wherein the metabolic disease is diabetes.

25

19. A method of inhibiting ROR γ in a mammal, comprising administering to said mammal a therapeutically effective amount of the compound according to any one of claims 1 to 12 or a pharmaceutically acceptable salt thereof.

20. A method of treating or preventing a disease in a mammal selected from the group consisting of autoimmune disease, allergic disease, and metabolic disease, comprising administering to said mammal a therapeutically effective amount of the compound according to any one of claims 1 to 12 or a pharmaceutically acceptable salt thereof.

21. A method of treating or preventing a disease in a mammal selected from the group consisting of autoimmune disease and allergic disease, comprising administering to said mammal a therapeutically effective amount of the compound according to any one of claims 1 to 12 or a pharmaceutically acceptable salt thereof.

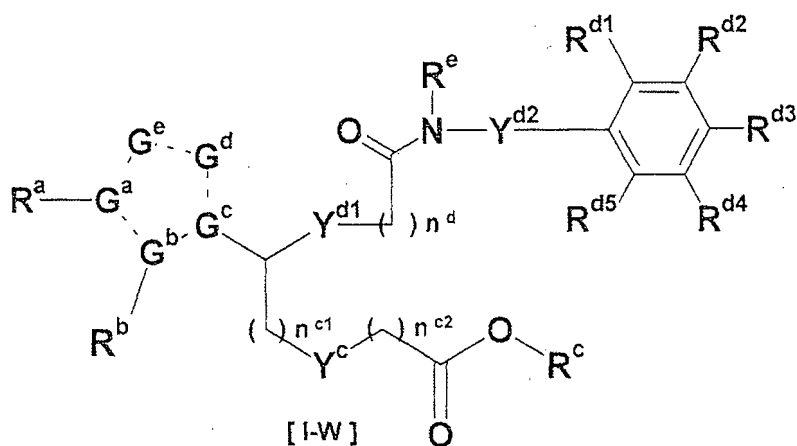
22. The method according to claim 20 or 21 wherein the autoimmune disease is selected from the group consisting of rheumatoid arthritis, psoriasis, inflammatory bowel disease, multiple sclerosis, systemic lupus

erythematosus, ankylosing spondylitis, uveitis, polymyalgia
rheumatica, and type I diabetes.

23. The method according to claim 20 wherein the
5 metabolic disease is diabetes.

ABSTRACT

A compound of formula [I-W]:



wherein each symbol is as defined in the description,
5 or a pharmaceutically acceptable salt thereof.

Fig. 1

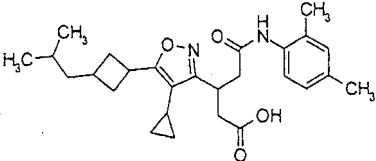
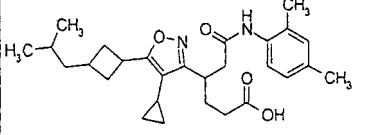
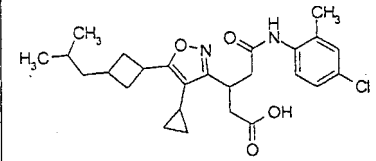
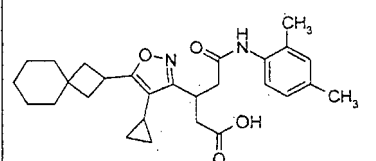
Example	Structure	NMR	MS		Stereochemistry of AUX-H
			M+H	M-H	
A-1		(400 MHz, CDCl ₃) 0.36 - 0.55 (m, 2H), 0.76 - 0.92 (m, 2H), 0.86 (d, J=6.68Hz, 6H), 1.29 - 1.45 (m, 3H), 1.47 - 1.61 (m, 1H), 1.85 - 2.05 (m, 2H), 2.08 (s, 3H), 2.25 (s, 3H), 2.28 - 2.43 (m, 3H), 2.71 (dd, J=15.20, 8.40Hz, 1H), 2.87 (dd, J=15.20, 4.40Hz, 1H), 2.97 (dd, J=14.00, 4.80Hz, 1H), 3.06 (dd, J=14.00, 9.20Hz, 1H), 3.41 - 3.57 (m, 1H), 3.89 - 4.02 (m, 1H), 6.90 - 6.99 (m, 2H), 7.49 (dd, J=8.40, 2.40Hz, 1H), 7.81 (brs, 1H)	453	451	(S)
A-2		(400 MHz, DMSO-d ₆) 0.80 - 0.88 (m, 1H), 0.95 (d, J=6.45Hz, 7H), 1.10 (d, J=7.25Hz, 2H), 1.90 (s, 1H), 2.00 - 2.08 (m, 1H), 2.12 (d, J=2.42Hz, 3H), 2.24 (s, 3H), 2.77 (d, J=6.85Hz, 2H), 2.99 (d, J=3.63Hz, 3H), 3.40 - 3.80 (m, 7H), 6.79 (s, 1H), 6.98 (d, J=10.07Hz, 1H), 7.03 (s, 1H), 7.26 (s, 1H), 9.69 (s, 1H)	467	465	(R)
A-3		(400 MHz, DMSO-d ₆) 0.47 (t, J=4.43Hz, 2H), 0.77 - 0.82 (m, 2H), 0.85 (q, J=3.49Hz, 6H), 1.30 (t, J=6.85Hz, 2H), 1.45 (t, J=5.64Hz, 1H), 1.51 (dd, J=13.30, 6.85Hz, 1H), 1.82 (t, J=9.27Hz, 2H), 2.08 (s, 3H), 2.37 (dt, J=19.61, 6.45Hz, 3H), 2.69 (dtd, J=49.36, 16.92, 7.32Hz, 4H), 3.53 (t, J=8.66Hz, 1H), 3.77 (t, J=7.25Hz, 1H), 7.18 (dd, J=8.66, 2.22Hz, 1H), 7.27 (d, J=2.01Hz, 1H), 7.35 (d, J=8.46Hz, 1H), 9.35 (s, 1H), 12.21 (s, 1H)	473	471	(S)
A-4		(400 MHz, CDCl ₃) 0.46 (d, J=14.91Hz, 2H), 0.87 (d, J=8.87Hz, 2H), 1.38 (d, J=12.89Hz, 5H), 1.47 (s, 4H), 1.58 (d, J=5.24Hz, 2H), 2.05 (ddd, J=28.51, 16.62, 7.35Hz, 8H), 2.26 (s, 3H), 2.76 (t, J=7.86Hz, 1H), 2.97 (ddd, J=37.68, 20.75, 8.46Hz, 3H), 3.61 (t, J=9.07Hz, 1H), 3.94 (s, 1H), 6.98 (d, J=15.72Hz, 2H), 7.52 (t, J=4.43Hz, 1H), 7.73 (s, 1H)	465	463	(S)

Fig. 2

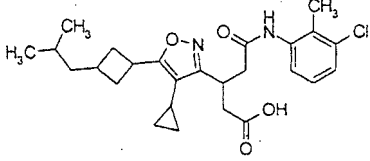
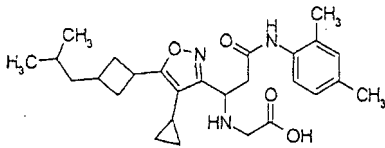
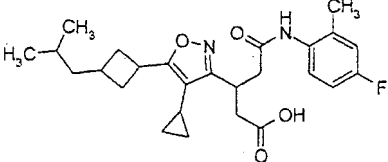
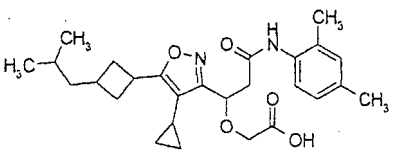
Example	Structure	NMR	MS		Stereochemistry of AUX-H
			M+H	M-H	
A-5		(400 MHz, CDCl ₃) 0.41 - 0.46 (m, 2H), 0.86 (d, J=6.80Hz, 6H), 1.30 - 1.33 (m, 3H), 1.49 - 1.56 (m, 1H), 1.88 - 1.99 (m, 3H), 2.16 (s, 3H), 2.29 - 2.39 (m, 3H), 2.65 - 2.72 (m, 2H), 2.85 - 2.96 (m, 2H), 3.07 - 3.13 (m, 1H), 3.44 - 3.50 (m, 1H), 3.88 - 3.95 (m, 1H), 7.03 (dd, J=8.00Hz, 1H), 7.15 (d, J=8.00Hz, 1H), 7.50 (d, J=8.00Hz, 1H), 8.19 (s, 1H)	473	471	(S)
A-6		(400 MHz, DMSO-d ₆) 0.38 - 0.56 (m, 2H), 0.74 - 0.90 (m, 2H), 0.85 (d, J=6.40Hz, 6H), 1.27 - 1.35 (m, 2H), 1.45 - 1.58 (m, 2H), 1.76 - 1.92 (m, 2H), 2.07 (s, 3H), 2.23 (s, 3H), 2.29 - 2.45 (m, 3H), 2.79 (dd, J=15.20, 6.40Hz, 1H), 2.88 (dd, J=15.20, 8.00Hz, 1H), 3.49 - 3.61 (m, 1H), 4.36 - 4.35 (m, 1H), 6.93 (d, J=8.00Hz, 1H), 6.98 (s, 1H), 7.26 (d, J=8.00Hz, 1H), 9.55 (s, 1H)	468	466	without using AUX-H
A-7		(400 MHz, CDCl ₃) 0.38 - 0.57 (m, 2H), 0.77 - 0.92 (m, 2H), 0.87 (d, J=6.80Hz, 6H), 1.27 - 1.45 (m, 3H), 1.47 - 1.62 (m, 1H), 1.84 - 2.05 (m, 2H), 2.12 (s, 3H), 2.30 - 2.44 (m, 3H), 2.74 (dd, J=15.20, 8.00Hz, 1H), 2.88 (dd, J=15.20, 5.20Hz, 1H), 2.97 (dd, J=14.00, 5.20Hz, 1H), 3.08 (dd, J=14.00, 9.20Hz, 1H), 3.44 - 3.57 (m, 1H), 3.91 - 4.03 (m, 1H), 6.81 - 6.89 (m, 2H), 7.49 - 7.58 (m, 1H), 7.87 (s, 1H)	457	455	(S)
A-8		(400 MHz, DMSO-d ₆) 0.41 - 0.48 (m, 1H), 0.54 - 0.61 (m, 1H), 0.77 - 0.89 (m, 8H), 1.26 - 1.35 (m, 2H), 1.47 - 1.57 (m, 2H), 1.83 - 1.90 (m, 2H), 2.04 (s, 3H), 2.22 (s, 3H), 2.30 - 2.46 (m, 3H), 2.91 (dd, J=14.96, 6.38Hz, 1H), 3.12 (dd, J=15.07, 7.88Hz, 1H), 3.52 - 3.58 (m, 1H), 3.89 (d, J=16.00Hz, 1H), 4.00 (d, J=16.23Hz, 1H), 5.12 (t, J=7.07Hz, 1H), 6.92 (d, J=8.58Hz, 1H), 6.98 (s, 1H), 7.13 (d, J=8.12Hz, 1H), 9.59 (s, 1H), 12.64 (s, 1H)	469	467	without using AUX-H

Fig. 3

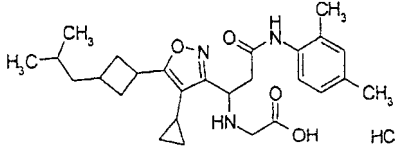
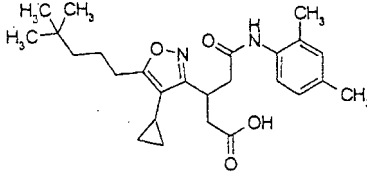
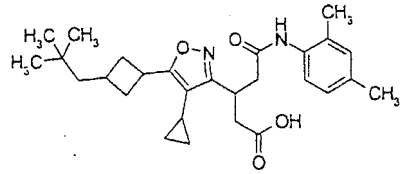
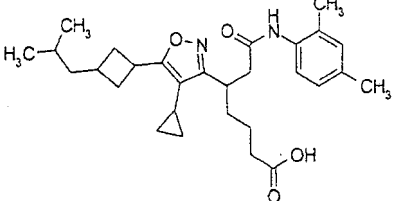
Example	Structure	NMR	MS		Stereochemistry of AUX-H
			M+H	M-H	
A-9		(400 MHz, DMSO-d ₆) 0.40 - 0.61 (m, 2H), 0.76 - 0.89 (m, 2H), 0.86 (d, J=6.40Hz, 6H), 1.27 - 1.34 (m, 2H), 1.38 - 1.58 (m, 2H), 1.76 - 1.91 (m, 2H), 1.95 (s, 3H), 2.22 (s, 3H), 2.30 - 2.47 (m, 4H), 3.52 - 3.65 (m, 1H), 3.86 (brs, 2H), 4.87 - 5.00 (m, 1H), 6.93 (d, J=8.00Hz, 1H), 6.98 (s, 1H), 7.08 (d, J=8.00Hz, 1H), 9.61 (s, 1H)	468	466	without using AUX-H
A-10		(400 MHz, CDCl ₃) 0.49 (m, 1H), 0.54 - 0.61 (m, 1H), 0.88 (s, 9H), 0.84 - 0.93 (m, 2H), 1.20 - 1.27 (m, 2H), 1.41 - 1.47 (m, 1H), 1.62 (tt, J=9.16, 4.52Hz, 2H), 2.13 (s, 3H), 2.28 (s, 3H), 2.71 (dt, J=25.43, 7.71Hz, 3H), 2.99 (ddt, J=50.24, 25.35, 8.46Hz, 3H), 3.97 (dd, J=8.46, 4.99Hz, 1H), 6.96 (d, J=4.87Hz, 2H), 7.52 (m, 1H), 7.83 (s, 1H)	441	439	(S)
A-11		(400 MHz, CDCl ₃) 0.47 (dt, J=19.07, 7.76Hz, 2H), 0.87 (s, 12H), 1.38 (d, J=5.64Hz, 2H), 2.00 (dd, J=25.59, 10.28Hz, 2H), 2.11 (s, 3H), 2.26 (s, 3H), 2.39 (dd, J=13.70, 8.06Hz, 3H), 2.75 (dd, J=14.71, 8.26Hz, 1H), 2.88 - 3.03 (m, 3H), 3.50 (d, J=9.67Hz, 1H), 3.94 (s, 1H), 6.98 (d, J=16.12Hz, 2H), 7.51 (d, J=7.66Hz, 1H), 7.71 (s, 1H)	467	465	(S)
A-12		(400 MHz, CDCl ₃) 0.31 - 0.40 (m, 1H), 0.44 - 0.53 (m, 1H), 0.79 - 0.91 (m, 8H), 1.30 - 1.38 (m, 2H), 1.39 - 1.93 (m, 8H), 1.97 - 2.07 (m, 1H), 2.02 (s, 3H), 2.25 (s, 3H), 2.30 - 2.44 (m, 4H), 2.71 - 2.80 (m, 1H), 2.92 - 3.02 (m, 1H), 3.45 - 3.62 (m, 2H), 6.92 - 6.97 (m, 2H), 7.43 (d, J=8.82Hz, 1H), 7.51 (s, 1H)	481	479	(R)

Fig. 4

Example	Structure	NMR	MS		Stereochemistry of AUX-H
			M+H	M-H	
A-13		(400 MHz, CDCl ₃) 0.30 (dd, J=9.81, 4.96Hz, 1H), 0.53 (dd, J=9.92, 4.85Hz, 1H), 0.80 - 0.85 (m, 2H), 0.87 (dd, J=13.23, 6.62Hz, 6H), 1.18 (td, J=8.82, 4.34Hz, 1H), 1.36 (t, J=6.62Hz, 2H), 1.52 - 1.59 (m, 1H), 1.91 (d, J=9.48Hz, 1H), 2.03 - 2.06 (m, 1H), 2.04 (brs, 3H), 2.23 (s, 3H), 2.37 (td, J=14.00, 7.13Hz, 3H), 2.78 (dd, J=13.89, 4.41Hz, 1H), 2.99 - 3.06 (m, 2H), 3.15 (dd, J=13.34, 6.51Hz, 1H), 3.50 (dd, J=18.31, 8.38Hz, 1H), 3.95 (dd, J=11.14, 4.96Hz, 1H), 6.92 - 6.94 (m, 2H), 7.13 (d, J=8.16Hz, 2H), 7.41 (d, J=8.38Hz, 1H), 7.86 (brs, 1H), 7.91 (d, J=8.16Hz, 2H)	529	527	(S)
A-14		(400 MHz, DMSO-d ₆) 0.41 - 0.52 (m, 2H), 0.74 - 0.83 (m, 2H), 0.85 (d, J=6.80Hz, 6H), 1.27 - 1.35 (m, 2H), 1.39 - 1.57 (m, 2H), 1.75 - 1.93 (m, 2H), 1.88 (s, 3H), 2.27 - 2.42 (m, 3H), 2.56 - 2.69 (m, 2H), 2.69 - 2.83 (m, 2H), 3.47 - 3.60 (m, 1H), 3.68 - 3.83 (m, 1H), 3.76 (s, 3H), 6.78 (d, J=8.00Hz, 1H), 6.86 (d, J=8.00Hz, 1H), 7.08 (dd, J=8.00, 8.00Hz, 1H), 9.33 (s, 1H), 12.19 (brs, 1H)	469	467	(S)
A-15		(400 MHz, DMSO-d ₆) 0.39 - 0.51 (m, 2H), 0.72 - 0.81 (m, 2H), 0.85 (d, J=6.40Hz, 6H), 1.26 - 1.34 (m, 2H), 1.37 - 1.47 (m, 1H), 1.47 - 1.58 (m, 1H), 1.76 - 1.88 (m, 2H), 2.27 (s, 3H), 2.31 - 2.42 (m, 3H), 2.42 - 2.62 (m, 3H), 2.67 (dd, J=16.00, 8.80Hz, 1H), 3.47 - 3.59 (m, 1H), 3.66 - 3.79 (m, 1H), 3.75 (s, 3H), 4.13 (t, J=6.00Hz, 2H), 6.65 (d, J=8.00Hz, 1H), 6.77 (s, 1H), 6.89 (d, J=8.00Hz, 1H), 8.14 (t, J=6.00Hz, 1H), 12.14 (brs, 1H)	483	481	(S)
A-16		(400 MHz, DMSO-d ₆) 0.44 - 0.49 (m, 2H), 0.79 (ddd, J=9.22, 5.16, 3.07Hz, 2H), 0.85 (d, J=6.49Hz, 6H), 1.30 (dd, J=6.72, 6.72Hz, 2H), 1.39 - 1.47 (m, 1H), 1.51 (t, J=6.72Hz, 1H), 1.79 - 1.87 (m, 2H), 2.27 (s, 3H), 2.29 - 2.43 (m, 3H), 2.66 - 2.75 (m, 4H), 3.53 (dt, J=20.41, 6.96Hz, 1H), 3.71 - 3.80 (m, 1H), 7.10 (dd, J=8.58, 1.39Hz, 1H), 7.29 (s, 1H), 7.45 (d, J=8.12Hz, 1H), 9.47 (s, 1H), 12.22 (brs, 1H)	473	471	(S)

Fig. 5

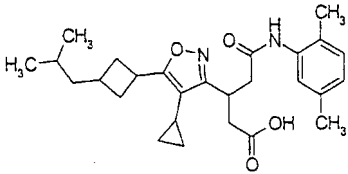
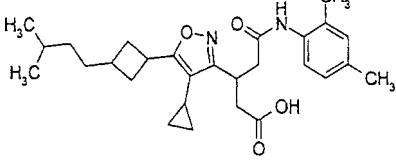
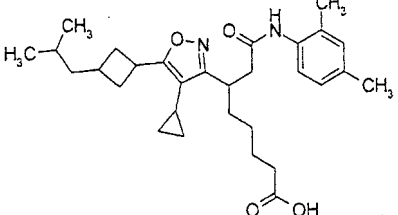
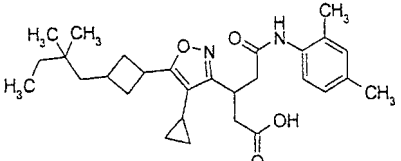
Example	Structure	NMR	MS		Stereochemistry of AUX-H
			M+H	M-H	
A-17		(400 MHz, DMSO-d6) 0.47 - 0.48 (m, 2H), 0.78 - 0.81 (m, 2H), 0.85 (d, J=6.72Hz, 6H), 1.30 (dd, J=6.84, 6.84Hz, 2H), 1.40 - 1.55 (m, 2H), 1.77 - 1.88 (m, 2H), 2.02 (s, 3H), 2.22 (s, 3H), 2.30 - 2.42 (m, 3H), 2.57 - 2.79 (m, 4H), 3.51 - 3.56 (m, 1H), 3.73 - 3.81 (m, 1H), 6.87 (d, J=8.81Hz, 1H), 7.04 (d, J=7.88Hz, 1H), 7.11 (s, 1H), 9.26 (s, 1H), 12.23 (brs, 1H)	453	451	(S)
A-18		(400 MHz, DMSO-d6) 0.43 - 0.52 (m, 2H), 0.76 - 0.82 (m, 2H), 0.85 (d, J=6.72Hz, 6H), 0.87 (s, 3H), 1.04 - 1.12 (m, 2H), 1.34 - 1.42 (m, 2H), 1.43 - 1.54 (m, 2H), 1.76 - 1.86 (m, 2H), 2.21 - 2.24 (m, 1H), 2.22 (s, 3H), 2.31 - 2.41 (m, 2H), 2.57 - 2.68 (m, 2H), 2.69 - 2.79 (m, 2H), 3.48 - 3.57 (m, 1H), 3.73 - 3.80 (m, 1H), 6.92 (d, J=8.35Hz, 1H), 6.98 (s, 1H), 7.13 (d, J=8.12Hz, 1H), 9.23 (s, 1H), 12.21 (brs, 1H)	467	465	(S)
A-19		(400 MHz, CDCl3) 0.35 - 0.39 (m, 1H), 0.45 - 0.51 (m, 1H), 0.79 - 0.90 (m, 8H), 1.32 - 1.37 (m, 3H), 1.41 - 1.43 (m, 2H), 1.52 - 1.58 (m, 1H), 1.63 - 2.00 (m, 5H), 2.03 (s, 3H), 2.26 (s, 3H), 2.34 - 2.40 (m, 6H), 2.72 (dd, J=13.57, 4.52Hz, 1H), 2.96 (dd, J=13.68, 10.67Hz, 1H), 3.47 - 3.58 (m, 2H), 6.92 - 6.98 (m, 2H), 7.43 - 7.52 (m, 2H)	495	493	(R)
A-20		(400 MHz, DMSO-d6) 0.44 - 0.50 (m, 2H), 0.76 - 0.81 (m, 11H), 1.19 (q, J=7.50Hz, 2H), 1.32 (d, J=6.03Hz, 2H), 1.41 - 1.48 (m, 1H), 1.79 - 1.91 (m, 2H), 2.02 (s, 3H), 2.22 (s, 3H), 2.32 - 2.42 (m, 3H), 2.58 - 2.66 (m, 2H), 2.70 - 2.78 (m, 2H), 3.51 - 3.56 (m, 1H), 3.73 - 3.80 (m, 1H), 6.92 (d, J=8.12Hz, 1H), 6.97 (s, 1H), 7.13 (d, J=8.12Hz, 1H), 9.22 (s, 1H), 12.20 (brs, 1H)	481	479	(S)

Fig. 6

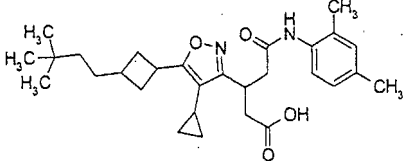
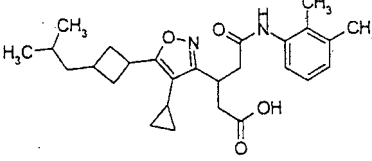
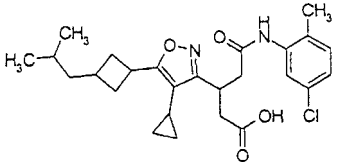
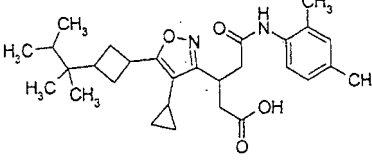
Example	Structure	NMR	MS		Stereochemistry of AUX-H
			M+H	M-H	
A-21		(400 MHz, CDCl ₃) 0.43 - 0.54 (m, 2H), 0.84 - 0.92 (m, 11H), 1.04 - 1.11 (m, 2H), 1.23 - 1.30 (m, 1H), 1.35 - 1.44 (m, 2H), 1.88 - 2.00 (m, 2H), 2.13 (s, 3H), 2.15 - 2.24 (m, 1H), 2.28 (s, 3H), 2.31 - 2.43 (m, 2H), 2.77 (dd, J=15.31, 8.12Hz, 1H), 2.89 - 2.99 (m, 2H), 3.04 (dd, J=14.03, 8.70Hz, 1H), 3.46 - 3.56 (m, 1H), 3.92 - 3.99 (m, 1H), 6.96 - 7.00 (m, 2H), 7.53 (d, J=8.58Hz, 1H), 7.68 (s, 1H)	481	479	(S)
A-22		(400 MHz, DMSO-d ₆) 0.43 - 0.53 (m, 2H), 0.75 - 0.82 (m, 2H), 0.85 (d, J=6.80Hz, 6H), 1.27 - 1.34 (m, 2H), 1.39 - 1.58 (m, 2H), 1.75 - 1.90 (m, 2H), 1.94 (s, 3H), 2.22 (s, 3H), 2.29 - 2.43 (m, 3H), 2.58 - 2.70 (m, 2H), 2.70 - 2.82 (m, 2H), 3.49 - 3.60 (m, 1H), 3.72 - 3.83 (m, 1H), 6.95 - 7.07 (m, 3H), 9.35 (s, 1H), 12.19 (brs, 1H)	453	451	(S)
A-23		(400 MHz, DMSO-d ₆) 0.42 - 0.52 (m, 2H), 0.76 - 0.89 (m, 2H), 0.84 (d, J=6.40Hz, 6H), 1.26 - 1.34 (m, 2H), 1.38 - 1.59 (m, 2H), 1.75 - 1.89 (m, 2H), 2.09 (s, 3H), 2.27 - 2.43 (m, 3H), 2.56 - 2.89 (m, 4H), 3.48 - 3.61 (m, 1H), 3.71 - 3.84 (m, 1H), 7.10 (dd, J=8.40, 2.00Hz, 1H), 7.20 (d, J=8.40Hz, 1H), 7.47 (d, J=2.00Hz, 1H), 9.36 (s, 1H), 12.22 (brs, 1H)	473	471	(S)
A-24		(400 MHz, DMSO-d ₆) 0.46 - 0.52 (m, 2H), 0.77 - 0.83 (m, 2H), 0.80 (d, J=6.85Hz, 6H), 1.33 - 1.40 (m, 1H), 1.42 - 1.49 (m, 1H), 1.95 - 2.14 (m, 4H), 2.02 (s, 3H), 2.22 (s, 3H), 2.31 - 2.40 (m, 1H), 2.58 - 2.67 (m, 2H), 2.70 - 2.78 (m, 2H), 3.40 - 3.49 (m, 1H), 3.73 - 3.80 (m, 1H), 6.92 (d, J=8.06Hz, 1H), 6.98 (s, 1H), 7.13 (d, J=8.06Hz, 1H), 9.22 (s, 1H), 12.21 (brs, 1H)	481	479	(S)

Fig. 7

Example	Structure	NMR	MS		Stereochemistry of AUX-H
			M+H	M-H	
A-25		(400 MHz, DMSO-d6) 0.46 - 0.58 (m, 2H), 0.75 - 0.85 (m, 2H), 0.80 (d, J=6.62Hz, 6H), 1.16 - 1.35 (m, 4H), 1.40 - 1.54 (m, 2H), 2.04 (s, 3H), 2.05 - 2.17 (m, 3H), 2.22 (s, 3H), 2.27 - 2.42 (m, 1H), 2.56 - 2.82 (m, 6H), 3.71 - 3.84 (m, 1H), 6.91 (d, J=7.94Hz, 1H), 6.97 (s, 1H), 7.13 (d, J=7.94Hz, 1H), 9.21 (brs, 1H), 12.23 (brs, 1H)	467	465	(S)
A-26		(400 MHz, DMSO-d6) 0.42 - 0.52 (m, 2H), 0.74 - 0.90 (m, 2H), 0.85 (d, J=6.80Hz, 6H), 1.25 - 1.35 (m, 2H), 1.39 - 1.58 (m, 2H), 1.75 - 1.89 (m, 2H), 2.26 - 2.43 (m, 3H), 2.59 - 2.88 (m, 4H), 3.47 - 3.60 (m, 1H), 3.70 - 3.83 (m, 1H), 7.19 (ddd, J=8.40, 6.00, 2.80Hz, 1H), 7.47 (dd, J=8.80, 2.80Hz, 1H), 7.57 (dd, J=8.80, 6.00Hz, 1H), 9.59 (s, 1H), 12.22 (brs, 1H)	477	475	(S)
A-27		(400 MHz, CDCl3) 0.64 - 0.65 (m, 1H), 0.81 - 0.83 (m, 1H), 0.89 (d, J=6.84Hz, 6H), 0.98 (d, J=10.59Hz, 2H), 1.42 (t, J=6.69Hz, 2H), 1.50 - 1.58 (m, 2H), 1.94 (s, 3H), 2.22 - 2.24 (m, 2H), 2.23 (s, 3H), 2.36 (q, J=9.56Hz, 1H), 2.75 (q, J=137.18Hz, 5H), 3.06 (dd, J=24.92, 14.34Hz, 1H), 3.97 (dd, J=10.03, 5.40Hz, 1H), 4.74 - 4.83 (m, 1H), 6.90 - 6.94 (m, 2H), 7.30 (t, J=8.60Hz, 1H), 7.99 (brs, 1H)	453	451	(S)
A-28		(400 MHz, DMSO-d6) 0.39 - 0.54 (m, 2H), 0.72 - 0.91 (m, 2H), 0.84 (d, J=6.40Hz, 6H), 1.23 - 1.35 (m, 2H), 1.37 - 1.58 (m, 2H), 1.73 - 1.89 (m, 2H), 2.25 - 2.43 (m, 3H), 2.59 (dd, J=16.40, 6.40Hz, 1H), 2.65 - 2.79 (m, 2H), 2.85 (dd, J=15.60, 7.20Hz, 1H), 3.46 - 3.60 (m, 1H), 3.68 - 3.85 (m, 1H), 7.16 - 7.29 (m, 1H), 7.40 - 7.52 (m, 1H), 7.80 - 7.93 (m, 1H), 9.85 (s, 1H), 12.22 (brs, 1H)	477	475	(S)

Fig. 8

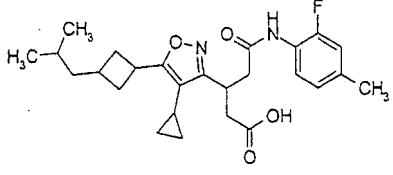
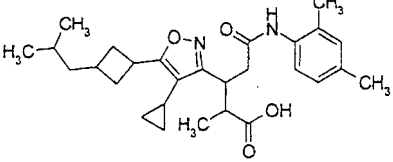
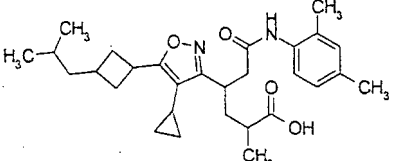
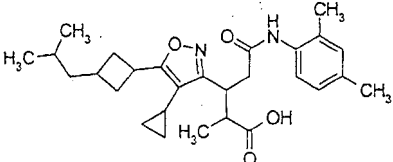
Example	Structure	NMR	MS		Stereochemistry of AUX-H
			M+H	M-H	
A-29		(400 MHz, DMSO-d6) 0.41 - 0.52 (m, 2H), 0.75 - 0.88 (m, 2H), 0.84 (d, J=6.80Hz, 6H), 1.25 - 1.34 (m, 2H), 1.38 - 1.60 (m, 2H), 1.74 - 1.89 (m, 2H), 2.27 (s, 3H), 2.29 - 2.42 (m, 3H), 2.59 (dd, J=16.00, 6.40Hz, 1H), 2.63 - 2.86 (m, 3H), 3.46 - 3.60 (m, 1H), 3.68 - 3.83 (m, 1H), 6.93 (d, J=8.40Hz, 1H), 7.04 (d, J=12.00Hz, 1H), 7.55 - 7.67 (m, 1H), 9.63 (s, 1H), 12.20 (brs, 1H)	457	455	(S)
A-30		(400 MHz, DMSO-d6) 0.56 - 0.62 (m, 1H), 0.73 - 0.81 (m, 2H), 0.82 - 0.86 (m, 6H), 1.00 (d, J=6.72Hz, 3H), 1.27 - 1.31 (m, 2H), 1.36 - 1.43 (m, 1H), 1.46 - 1.54 (m, 1H), 1.74 - 1.86 (m, 2H), 1.90 (s, 3H), 2.20 (s, 3H), 2.29 - 2.43 (m, 4H), 2.58 - 2.69 (m, 2H), 2.81 - 2.88 (m, 1H), 3.50 - 3.56 (m, 1H), 3.62 - 3.70 (m, 1H), 6.88 (d, J=8.12Hz, 1H), 6.93 (s, 1H), 7.02 (d, J=8.12Hz, 1H), 9.31 (s, 1H), 12.43 (brs, 1H)	467	465	(S)
A-31		(400 MHz, CDCl3) 0.37 (t, J=5.64Hz, 1H), 0.48 (t, J=5.24Hz, 1H), 0.82 (dt, J=8.33, 2.12Hz, 1H), 0.87 (t, J=5.84Hz, 7H), 1.25 (q, J=3.63Hz, 4H), 1.32 - 1.38 (m, 3H), 1.51 - 1.58 (m, 2H), 1.74 (dd, J=13.50, 5.44Hz, 1H), 1.95 (dd, J=34.25, 8.87Hz, 2H), 2.04 (s, 3H), 2.25 (s, 3H), 2.34 (ddd, J=27.40, 14.71, 6.45Hz, 3H), 2.64 (d, J=5.64Hz, 1H), 2.83 (dd, J=13.90, 5.04Hz, 1H), 2.96 (dd, J=13.90, 9.87Hz, 1H), 3.49 (t, J=8.87Hz, 1H), 3.69 (s, 1H), 6.94 (d, J=5.64Hz, 2H), 7.42 (d, J=8.87Hz, 1H), 7.60 (s, 1H)	481	479	(R)
A-32		(400 MHz, DMSO-d6) 0.41 - 0.48 (m, 1H), 0.49 - 0.55 (m, 1H), 0.74 - 0.80 (m, 2H), 0.82 - 0.86 (m, 7H), 1.08 (d, J=6.96Hz, 3H), 1.29 (t, J=6.84Hz, 2H), 1.38 - 1.44 (m, 1H), 1.47 - 1.55 (m, 1H), 1.74 - 1.89 (m, 2H), 1.96 (s, 3H), 2.20 (s, 3H), 2.32 - 2.37 (m, 2H), 2.51 - 2.59 (m, 1H), 2.74 - 2.89 (m, 2H), 3.47 - 3.56 (m, 1H), 3.82 - 3.88 (m, 1H), 6.89 (d, J=8.58Hz, 1H), 6.94 (s, 1H), 7.07 (d, J=8.12Hz, 1H), 9.19 (s, 1H), 12.30 (s, 1H)	467	465	(S)

Fig. 9

Example	Structure	NMR	MS		Stereochemistry of AUX-H
			M+H	M-H	
A-33		(400 MHz, CDCl ₃) 0.42-0.51 (m, 2H), 0.79 - 0.89 (m, 9H), 1.29 - 1.43 (m, 5H), 1.48 - 1.56 (m, 1H), 1.83 - 1.98 (m, 1H), 2.08 (s, 3H), 2.24 - 2.39 (m, 4H), 2.25 (s, 3H), 2.80 - 2.94 (m, 2H), 3.01 - 3.12 (m, 1H), 3.44 - 3.52 (m, 1H), 3.73 - 3.81 (m, 1H), 6.92 - 6.97 (m, 2H), 7.36 (d, J=10.80Hz, 1H), 7.51 (s, 1H)	467	465	(S)
A-34		(400 MHz, DMSO-d ₆) 0.39 - 0.54 (m, 2H), 0.73 - 0.81 (m, 2H), 0.85 (d, J=6.80Hz, 6H), 1.26 - 1.34 (m, 2H), 1.41 - 1.58 (m, 2H), 1.74 - 1.89 (m, 2H), 1.97 (s, 6H), 2.26 - 2.43 (m, 3H), 2.62 (dd, J=16.00, 6.80Hz, 1H), 2.65 (dd, 1H, J=14.80, 6.80Hz, 1H), 2.72 (dd, J=16.00, 8.00Hz, 1H), 2.80 (dd, J=14.80, 8.40Hz, 1H), 3.48 - 3.59 (m, 1H), 3.71 - 3.83 (m, 1H), 6.97 - 7.04 (m, 3H), 9.25 (s, 1H), 12.23 (brs, 1H)	453	451	(S)
A-35		(400 MHz, DMSO-d ₆) 0.42 - 0.52 (m, 2H), 0.75 - 0.87 (m, 2H), 0.83 (d, J=6.40Hz, 6H), 1.22 - 1.33 (m, 2H), 1.37 - 1.57 (m, 2H), 1.73 - 1.87 (m, 2H), 2.20 (s, 6H), 2.26 - 2.41 (m, 3H), 2.55 (dd, J=16.40, 6.80Hz, 1H), 2.61 (dd, 1H, J=15.20, 7.20Hz, 1H), 2.70 (dd, J=16.40, 8.00Hz, 1H), 2.75 (dd, J=15.20, 7.60Hz, 1H), 3.46 - 3.58 (m, 1H), 3.70 - 3.82 (m, 1H), 6.66 (s, 1H), 7.16 (s, 2H), 9.78 (s, 1H), 12.22 (brs, 1H)	453	451	(S)
A-36		(400 MHz, DMSO-d ₆) 0.84 (d, J=6.40Hz, 6H), 1.02 (t, J=7.20Hz, 3H), 1.25 - 1.34 (m, 2H), 1.44 - 1.58 (m, 1H), 1.73 - 1.88 (m, 2H), 2.00 (s, 3H), 2.21 (s, 3H), 2.26 - 2.42 (m, 5H), 2.55 - 2.74 (m, 4H), 3.40 - 3.52 (m, 1H), 3.52 - 3.64 (m, 1H), 6.91 (d, J=8.40Hz, 1H), 6.97 (s, 1H), 7.11 (s, 1H), 9.23 (s, 1H), 12.24 (brs, 1H)	441	439	(S)

Fig. 10

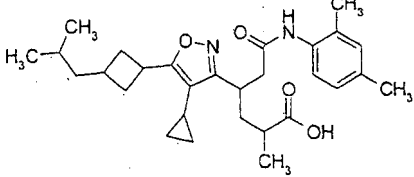
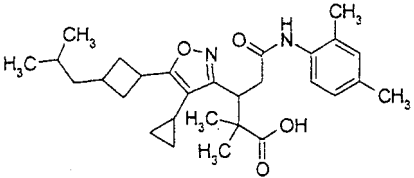
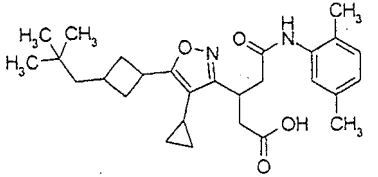
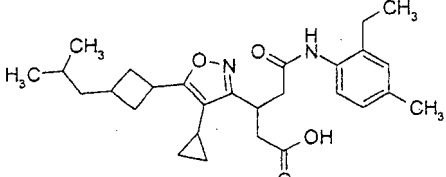
Example	Structure	NMR	MS		Stereochemistry of AUX-H
			M+H	M-H	
A-37		(400 MHz, CDCl ₃) 0.40 - 0.47 (m, 2H), 0.79 - 0.85 (m, 1H), 0.88 (dd, J=12.17, 5.45Hz, 7H), 1.25 (d, J=6.96Hz, 4H), 1.33 - 1.43 (m, 3H), 1.52 - 1.58 (m, 1H), 1.87 - 2.03 (m, 2H), 2.05 (d, J=4.87Hz, 3H), 2.12 - 2.20 (m, 1H), 2.26 (s, 3H), 2.32 - 2.42 (m, 3H), 2.53 (dt, J=5.02, 1.80Hz, 1H), 2.79 (dd, J=13.57, 5.22Hz, 1H), 2.89 (dd, J=13.68, 9.97Hz, 1H), 3.49 - 3.51 (m, 1H), 3.64 - 3.67 (m, 1H), 6.95 (d, J=4.17Hz, 2H), 7.39 (t, J=4.29Hz, 1H), 7.57 (s, 1H)	481	479	(R)
A-38		(400 MHz, CDCl ₃) 0.33 - 0.40 (m, 1H), 0.67 - 0.76 (m, 1H), 0.80 - 0.91 (m, 9H), 1.27 - 1.39 (m, 2H), 1.30 (s, 3H), 1.36 (s, 3H), 1.48 - 1.58 (m, 1H), 1.81 - 1.93 (m, 1H), 1.95 (s, 3H), 2.00 - 2.09 (m, 1H), 2.25 (s, 3H), 2.29 - 2.43 (m, 3H), 2.88 (dd, J=13.57, 3.13Hz, 1H), 3.10 (t, J=12.99Hz, 1H), 3.49 - 3.58 (m, 1H), 3.86 - 3.95 (m, 1H), 6.90-6.94 (m, 2H), 7.23 (d, J=8.12Hz, 1H), 7.84 (brs, 1H)	481	479	(S)
A-39		(400 MHz, CDCl ₃) 0.46 (s, 2H), 0.88 (d, J=6.45Hz, 10H), 1.38 (d, J=5.64Hz, 3H), 2.00 (dd, J=22.36, 9.47Hz, 2H), 2.12 (s, 3H), 2.28 (s, 4H), 2.39 (t, J=10.48Hz, 3H), 2.77 (d, J=8.46Hz, 1H), 2.93 (t, J=10.28Hz, 2H), 3.04 (d, J=8.06Hz, 1H), 3.50 (d, J=8.06Hz, 1H), 3.94 (s, 1H), 6.86 (d, J=7.66Hz, 1H), 7.02 (d, J=7.66Hz, 1H), 7.55 (s, 1H), 7.75 (s, 1H)	467	465	(S)
A-40		(400 MHz, DMSO-d ₆) 0.41 - 0.53 (m, 2H), 0.73 - 0.82 (m, 2H), 0.84 (d, J=6.80Hz, 6H), 1.00 (t, J=7.20Hz, 3H), 1.25 - 1.34 (m, 2H), 1.38 - 1.58 (m, 2H), 1.74 - 1.88 (m, 2H), 2.24 (s, 3H), 2.29 - 2.45 (m, 5H), 2.55 - 2.68 (m, 2H), 2.68 - 2.82 (m, 2H), 3.47 - 3.59 (m, 1H), 3.69 - 3.82 (m, 1H), 6.92 (d, J=8.00Hz, 1H), 6.98 (s, 1H), 7.08 (d, J=8.00Hz, 1H), 9.21 (s, 1H), 12.22 (brs, 1H)	467	465	(S)

Fig. 11

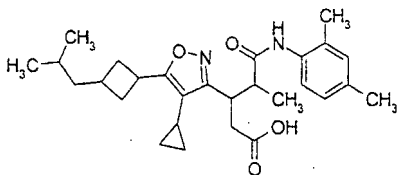
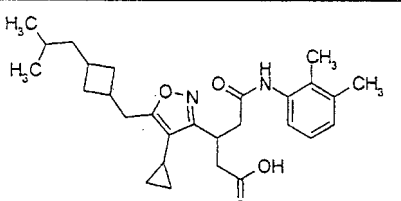
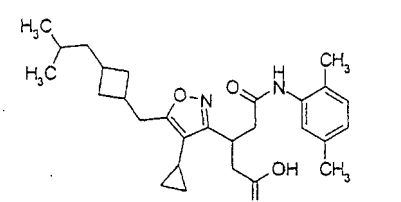
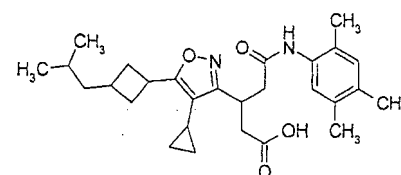
Example	Structure	NMR	MS		Stereochemistry of AUX-H
			M+H	M-H	
A-41		(400 MHz, CDCl ₃) 0.39 - 0.46 (m, 1H), 0.50 - 0.55 (m, 1H), 0.83 - 0.89 (m, 9H), 1.25 (d, J=6.96Hz, 3H), 1.32 - 1.44 (m, 3H), 1.49 - 1.60 (m, 1H), 1.93 - 2.04 (m, 2H), 2.21 (s, 3H), 2.29 (s, 3H), 2.31 - 2.43 (m, 2H), 2.81 (dd, J=16.12, 4.99Hz, 1H), 2.91 - 3.05 (m, 2H), 3.45 - 3.57 (m, 1H), 3.69 - 3.77 (m, 1H), 6.98 - 7.02 (m, 2H), 7.46 (s, 1H), 7.68 (d, J=8.81Hz, 1H)	467	465	(S)
A-42		(400 MHz, CDCl ₃) 0.44 - 0.61 (m, 2H), 0.83 (d, J=6.72Hz, 6H), 0.87 - 0.94 (m, 2H), 1.19 - 1.37 (m, 4H), 1.39 - 1.55 (m, 2H), 2.02 (s, 3H), 2.07 - 2.23 (m, 3H), 2.26 (s, 3H), 2.35 - 2.46 (m, 1H), 2.68 - 2.78 (m, 3H), 2.88 (dd, J=15.31, 5.33Hz, 1H), 2.98 (dd, J=14.03, 5.10Hz, 1H), 3.07 (dd, J=14.03, 9.39Hz, 1H), 3.95 - 4.05 (m, 1H), 6.98 (d, J=7.65Hz, 1H), 7.04 (t, J=7.65Hz, 1H), 7.34 (d, J=7.65Hz, 1H), 7.88 (brs, 1H)	467	465	(S)
A-43		(400 MHz, CDCl ₃) 0.46 - 0.60 (m, 2H), 0.83 (d, J=6.72Hz, 6H), 0.87 - 0.93 (m, 2H), 1.24 (t, J=6.96Hz, 2H), 1.31 (t, J=9.86Hz, 2H), 1.39 - 1.54 (m, 2H), 2.10 (s, 3H), 2.11 - 2.23 (m, 3H), 2.28 (s, 3H), 2.36 - 2.45 (m, 1H), 2.68 - 2.78 (m, 3H), 2.89 (dd, J=15.42, 5.22Hz, 1H), 2.97 (dd, J=14.03, 5.10Hz, 1H), 3.07 (dd, J=14.03, 9.16Hz, 1H), 3.97 - 4.01 (m, 1H), 6.86 (d, J=7.65Hz, 1H), 7.02 (d, J=7.65Hz, 1H), 7.52 (s, 1H), 7.85 (brs, 1H)	467	465	(S)
A-44		(400 MHz, DMSO-d ₆) 0.41 - 0.53 (m, 2H), 0.74 - 0.83 (m, 2H), 0.85 (d, J=6.80Hz, 6H), 1.25 - 1.35 (m, 2H), 1.39 - 1.58 (m, 2H), 1.76 - 1.89 (m, 2H), 1.98 (s, 3H), 2.12 (s, 3H), 2.13 (s, 3H), 2.27 - 2.43 (m, 3H), 2.57 - 2.69 (m, 2H), 2.69 - 2.81 (m, 2H), 3.47 - 3.61 (m, 1H), 3.69 - 3.84 (m, 1H), 6.92 (s, 1H), 7.01 (s, 1H), 9.18 (s, 1H), 12.20 (brs, 1H)	467	465	(S)

Fig. 12

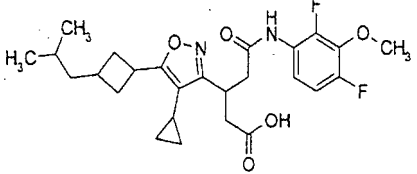
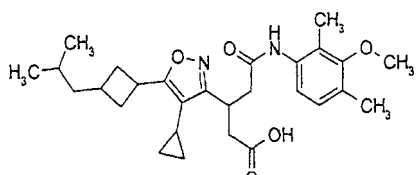
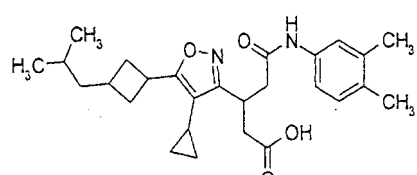
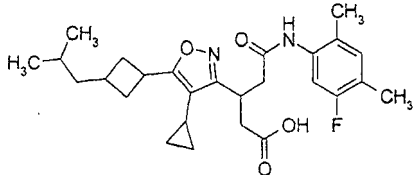
Example	Structure	NMR	MS		Stereochemistry of AUX-H
			M+H	M-H	
A-45		(400 MHz, DMSO-d6) 0.41 - 0.52 (m, 2H), 0.75 - 0.88 (m, 2H), 0.84 (d, J=6.80Hz, 6H), 1.25 - 1.34 (m, 2H), 1.39 - 1.59 (m, 2H), 1.73 - 1.88 (m, 2H), 2.26 - 2.42 (m, 3H), 2.58 (dd, J=16.60, 6.80Hz, 1H), 2.65 - 2.78 (m, 2H), 2.82 (dd, J=15.20, 7.60Hz, 1H), 3.47 - 3.60 (m, 1H), 3.68 - 3.82 (m, 1H), 3.91 (s, 3H), 7.02 - 7.12 (m, 1H), 7.36 - 7.46 (m, 1H), 9.77 (s, 1H), 12.25 (brs, 1H)	491	489	(S)
A-46		(400 MHz, DMSO-d6) 0.42 - 0.53 (m, 2H), 0.74 - 0.83 (m, 2H), 0.85 (d, J=6.40Hz, 6H), 1.26 - 1.35 (m, 2H), 1.39 - 1.58 (m, 2H), 1.75 - 1.89 (m, 2H), 1.96 (s, 3H), 2.18 (s, 3H), 2.29 - 2.43 (m, 3H), 2.56 - 2.69 (m, 2H), 2.69 - 2.83 (m, 2H), 3.48 - 3.59 (m, 1H), 3.60 (s, 3H), 3.70 - 3.85 (m, 1H), 6.90 - 6.99 (m, 2H), 9.28 (s, 1H), 12.21 (brs, 1H)	483	481	(S)
A-47		(400 MHz, DMSO-d6) 0.45 - 0.50 (m, 2H), 0.78 - 0.86 (m, 8H), 1.28 (t, J=6.73Hz, 2H), 1.47 (m, 2H), 1.81 (m, 2H), 2.14 (s, 3H), 2.16 (s, 3H), 2.35 (m, 3H), 2.58 (m, 2H), 2.72 (m, 2H), 3.53 (m, 1H), 3.74 - 3.81 (m, 1H), 7.01 (d, J=8.38Hz, 1H), 7.24 (dd, J=8.16, 1.98Hz, 1H), 7.32 (d, J=1.76Hz, 1H), 9.77 (s, 1H), 12.21 (s, 1H)	453	451	(S)
A-48		(400 MHz, CDCl3) 0.45 - 0.52 (m, 2H), 0.87 - 0.89 (m, 2H), 0.87 - 0.89 (br m, 6H), 1.34 (t, J=6.84Hz, 2H), 1.38 - 1.42 (m, 1H), 1.51 - 1.58 (m, 1H), 1.91 - 1.99 (m, 2H), 2.07 (s, 3H), 2.18 (s, 3H), 2.33 - 2.40 (m, 3H), 2.72 - 2.75 (m, 1H), 2.90 - 2.97 (m, 2H), 3.07 - 3.11 (m, 1H), 3.48 - 3.50 (m, 1H), 3.97 - 3.99 (m, 1H), 6.92 (d, J=8.35Hz, 1H), 7.52 (d, J=11.36Hz, 1H), 7.91 (s, 1H)	471	469	(S)

Fig. 13

Example	Structure	NMR	MS		Stereochemistry of AUX-H
			M+H	M-H	
A-49		(400 MHz, CDCl3) 0.84 - 0.88 (m, 6H), 1.25 - 1.27 (m, 2H), 1.31 - 1.37 (m, 2H), 1.49 - 1.58 (m, 1H), 1.93 - 2.04 (m, 4H), 2.14 (s, 3H), 2.27 (s, 3H), 2.30 - 2.40 (m, 2H), 2.69 (dd, J=15.31, 8.35Hz, 1H), 2.84 (dd, J=15.31, 5.33Hz, 1H), 2.92 (dd, J=14.03, 5.22Hz, 1H), 3.03 (dd, J=14.03, 8.46Hz, 1H), 3.35 - 3.45 (m, 1H), 3.79-3.88 (m, 1H), 4.92 (s, 1H), 5.27 (s, 1H), 6.95 - 6.99 (m, 2H), 7.55 (d, J=8.58Hz, 1H), 7.72 (s, 1H)	453	451	(S)
A-50		(400 MHz, DMSO-d6) 0.38 - 0.54 (m, 2H), 0.71 - 0.87 (m, 2H), 0.83 (d, J=6.40Hz, 6H), 1.11 (t, J=7.60Hz, 3H), 1.25 - 1.34 (m, 2H), 1.38 - 1.57 (m, 2H), 1.74 - 1.88 (m, 2H), 2.01 (s, 3H), 2.26 - 2.41 (m, 3H), 2.50 (q, J=7.60Hz, 2H), 2.57 - 2.68 (m, 2H), 2.68 - 2.81 (m, 2H), 3.46 - 3.59 (m, 1H), 3.67 - 3.83 (m, 1H), 6.89 (d, J=8.00Hz, 1H), 7.06 (d, J=8.00Hz, 1H), 7.10 (s, 1H), 9.24 (s, 1H), 12.19 (brs, 1H)	467	465	(S)
A-51		(400 MHz, DMSO-d6) 0.40 - 0.50 (m, 2H), 0.72 - 0.83 (m, 2H), 0.84 (d, J=6.80Hz, 6H), 1.13 (t, J=7.60Hz, 3H), 1.25 - 1.33 (m, 2H), 1.38 - 1.57 (m, 2H), 1.72 - 1.88 (m, 2H), 2.02 (s, 3H), 2.26 - 2.42 (m, 3H), 2.50 (q, J=7.60Hz, 2H), 2.55 - 2.67 (m, 2H), 2.68 - 2.79 (m, 2H), 3.46 - 3.58 (m, 1H), 3.68 - 3.81 (m, 1H), 6.90 - 6.97 (m, 1H), 6.99 (s, 1H), 7.14 (d, J=8.40Hz, 1H), 9.22 (s, 1H), 12.20 (brs, 1H)	467	465	(S)
A-52		(400 MHz, CDCl3) 0.37 (m, 1H), 0.52 (m, 1H), 0.76 - 0.84 (m, 2H), 0.86 (dd, J=11.03, 4.41Hz, 6H), 1.21 (s, 3H), 1.27 (s, 3H), 1.30 - 1.43 (m, 4H), 1.52 (td, J=13.34, 6.69Hz, 1H), 1.90 (dq, J=35.95, 8.78Hz, 2H), 2.02 (s, 3H), 2.12 (tt, J=24.15, 8.01Hz, 1H), 2.25 (s, 3H), 2.33 (tt, J=15.22, 5.18Hz, 3H), 2.73 - 2.87 (m, 2H), 3.46 (dd, J=17.75, 8.05Hz, 1H), 3.69 (dd, J=9.37, 5.62Hz, 1H), 6.91 (d, J=5.73Hz, 2H), 7.34 (m, 1H), 7.41 (s, 1H)	495	493	(R)

Fig. 14

Example	Structure	NMR	MS		Stereochemistry of AUX-H
			M+H	M-H	
A-53		(400 MHz, CDCl ₃) 0.36 (dd, J=9.37, 4.74Hz, 1H), 0.48 (dd, J=9.70, 4.85Hz, 1H), 0.80 - 0.82 (m, 2H), 0.87 (s, 9H), 1.34 - 1.37 (m, 1H), 1.39 (d, J=6.55Hz, 2H), 1.93 - 2.09 (m, 3H), 1.93 (s, 3H), 2.14 - 2.17 (m, 1H), 2.25 (s, 3H), 2.35 - 2.43 (m, 5H), 2.75 (dd, J=13.67, 4.85Hz, 1H), 2.95 (dd, J=13.67, 10.59Hz, 1H), 3.49 - 3.51 (m, 1H), 3.65 - 3.67 (m, 1H), 6.93 - 6.94 (m, 2H), 7.39 (d, J=8.60Hz, 1H), 7.57 (s, 1H)	481	479	(R)
A-54		(400 MHz, CDCl ₃) 0.47 (m, 2H), 0.79 - 0.89 (m, 8H), 1.23 (td, J=13.34, 6.25Hz, 1H), 1.33 - 1.45 (m, 2H), 1.54 (td, J=13.18, 6.54Hz, 1H), 1.96 (dd, J=17.09, 7.39Hz, 2H), 2.05 (s, 3H), 2.17 (s, 3H), 2.24 (s, 3H), 2.28 - 2.57 (m, 3H), 2.75 (dd, J=15.00, 8.16Hz, 1H), 2.87 - 3.07 (m, 3H), 3.45 - 3.53 (m, 1H), 4.05 (t, J=33.85Hz, 1H), 6.97 (t, J=10.03Hz, 1H), 7.16 (t, J=10.14Hz, 1H), 7.61 (s, 1H)	467	465	(S)
A-55		(400 MHz, CDCl ₃) 0.47 (m, 2H), 0.87 (m, 8H), 1.39 (dt, J=31.91, 6.89Hz, 3H), 1.51 - 1.58 (m, 1H), 1.97 (dd, J=20.29, 9.48Hz, 5H), 2.23 (s, 3H), 2.25 (s, 3H), 2.38 (d, J=14.11Hz, 3H), 2.78 (dd, J=15.00, 8.16Hz, 1H), 2.98 (tt, J=22.61, 7.02Hz, 3H), 3.50 (dd, J=17.97, 8.49Hz, 1H), 3.94 (t, J=5.62Hz, 1H), 6.83 (s, 1H), 7.22 (t, J=3.86Hz, 1H), 7.65 (s, 1H)	467	465	(S)
A-56		(400 MHz, CDCl ₃) 0.37 (t, J=5.18Hz, 1H), 0.49 (t, J=5.29Hz, 1H), 0.82 (d, J=8.38Hz, 2H), 0.88 (t, J=7.72Hz, 6H), 1.06 - 1.11 (m, 2H), 1.37 - 1.44 (m, 3H), 1.51 (td, J=13.12, 6.47Hz, 1H), 1.86 - 2.11 (m, 7H), 2.18 (dt, J=22.13, 7.39Hz, 1H), 2.29 (t, J=8.49Hz, 3H), 2.37 (dt, J=25.44, 9.21Hz, 4H), 2.75 (dd, J=13.45, 4.41Hz, 1H), 2.98 (t, J=12.24Hz, 1H), 3.44 - 3.53 (m, 1H), 3.66 (d, J=5.51Hz, 1H), 6.84 (d, J=7.28Hz, 1H), 7.00 (d, J=7.50Hz, 1H), 7.44 (s, 1H), 7.57 (s, 1H)	481	479	(R)

Fig. 15

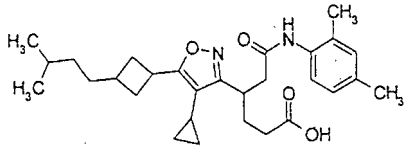
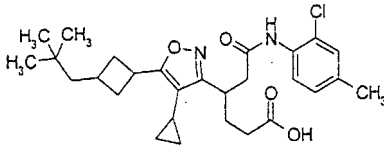
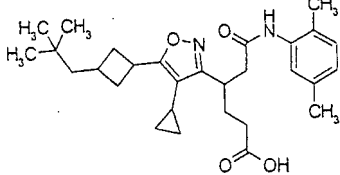
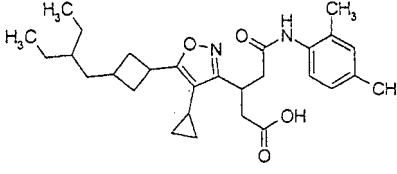
Example	Structure	NMR	MS		Stereochemistry of AUX-H
			M+H	M-H	
A-57		(400 MHz, CDCl ₃) 0.36 (t, J=5.29Hz, 1H), 0.48 (t, J=5.18Hz, 1H), 0.82 (d, J=8.38Hz, 2H), 0.89 (t, J=7.72Hz, 6H), 1.09 (dd, J=15.55, 7.39Hz, 2H), 1.36-1.45 (m, 3H), 1.48 - 1.54 (m, 1H), 1.94 (dq, J=36.22, 9.96Hz, 7H), 2.14 - 2.21 (m, 1H), 2.25 (s, 3H), 2.38 (dd, J=22.05, 13.67Hz, 4H), 2.75 (d, J=10.37Hz, 1H), 2.96 (t, J=11.80Hz, 1H), 3.44 - 3.53 (m, 1H), 3.65 (s, 1H), 6.96 (t, J=11.91Hz, 2H), 7.44 (t, J=13.56Hz, 2H)	481	479	(R)
A-58		(400 MHz, CDCl ₃) 0.37 - 0.40 (m, 1H), 0.44 - 0.49 (m, 1H), 0.77 - 0.90 (m, 2H), 0.77 (s, 9H), 1.33 - 1.37 (m, 1H), 1.35 (d, J=10.00Hz, 2H), 1.96 - 2.18 (m, 4H), 2.26 (s, 3H), 2.36 - 2.39 (m, 5H), 2.75 (dd, J=14.11, 5.07Hz, 1H), 3.00 - 3.03 (m, 1H), 3.45 - 3.51 (m, 1H), 3.63 - 3.66 (m, 1H), 7.01 (d, J=8.38Hz, 1H), 7.12 (s, 1H), 7.84 (s, 1H), 8.03 (d, J=8.16Hz, 1H)	501	499	(R)
A-59		(400 MHz, CDCl ₃) 0.36 - 0.37 (m, 1H), 0.48 - 0.50 (m, 1H), 0.81 - 0.82 (m, 2H), 0.87 (s, 9H), 1.37 - 1.38 (m, 1H), 1.37 (d, J=10.00Hz, 2H), 2.00-2.09 (m, 4H), 2.05 (s, 3H), 2.26 (s, 3H), 2.36 - 2.40 (m, 5H), 2.76 (dd, J=13.67, 4.63Hz, 1H), 2.97 (dd, J=12.02, 6.01Hz, 1H), 3.49 - 3.51 (m, 1H), 3.65 - 3.68 (m, 1H), 6.84 (d, J=7.72Hz, 1H), 6.99 (d, J=7.72Hz, 1H), 7.40 (s, 1H), 7.68 (s, 1H)	481	479	(R)
A-60		(400 MHz, CDCl ₃) 0.53 - 0.38 (m, 2H), 0.84 (t, J=7.25Hz, 6H), 0.89 - 0.79 (m, 2H), 1.20 - 1.11 (m, 1H), 1.32 - 1.20 (m, 4H), 1.43 - 1.33 (m, 3H), 2.04 - 1.87 (m, 2H), 2.10 (s, 3H), 2.25 (s, 3H), 2.43 - 2.28 (m, 3H), 2.79 - 2.65 (m, 1H), 3.01 - 2.84 (m, 2H), 3.11 - 3.01 (m, 1H), 3.55 - 3.42 (m, 1H), 4.00 - 3.90 (m, 1H), 6.98 - 6.91 (m, 2H), 7.50 (d, J=8.46Hz, 1H), 7.78 (s, 1H)	481	479	(S)

Fig. 16

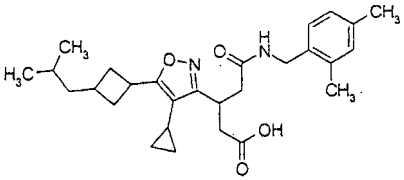
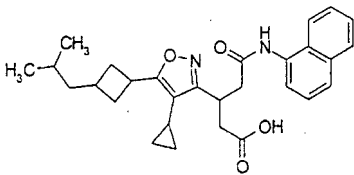
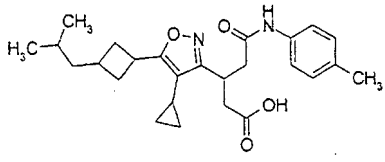
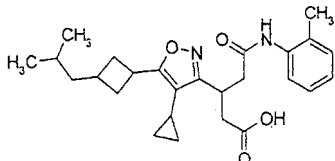
Example	Structure	NMR	MS		Stereochemistry of AUX-H
			M+H	M-H	
A-61		(400 MHz, DMSO-d6) 0.40 - 0.50 (m, 2H), 0.73 - 0.80 (m, 2H), 0.85 (d, J=6.40Hz, 6H), 1.26 - 1.34 (m, 2H), 1.36 - 1.46 (m, 1H), 1.46 - 1.58 (m, 1H), 1.76 - 1.88 (m, 2H), 2.14 (s, 3H), 2.22 (s, 3H), 2.28 - 2.71 (m, 7H), 3.46 - 3.59 (m, 1H), 3.64 - 3.77 (m, 1H), 4.09 (dd, J=14.80, 5.60Hz, 1H), 4.18 (dd, J=14.80, 5.60Hz, 1H), 6.89 (d, J=8.40Hz, 1H), 6.93 (s, 1H), 6.96 (d, J=8.40Hz, 1H), 8.18 (t, J=5.60Hz, 1H), 12.18 (brs, 1H)	467	465	(S)
A-62		(400 MHz, CDCl3) 0.40 - 0.49 (m, 2H), 0.82 - 0.86 (m, 2H), 0.85 (d, J=6.62Hz, 6H), 1.27 - 1.30 (m, 2H), 1.37 - 1.39 (m, 1H), 1.48 - 1.54 (m, 1H), 1.85 - 1.96 (m, 2H), 2.32 - 2.33 (m, 3H), 2.77 (dd, J=15.22, 8.16Hz, 1H), 2.92 (dd, J=15.33, 4.96Hz, 1H), 3.10 (dd, J=14.11, 4.85Hz, 1H), 3.23 (dd, J=18.86, 4.74Hz, 1H), 3.45 - 3.47 (m, 1H), 4.04 - 4.06 (m, 1H), 7.39 - 7.43 (m, 3H), 7.64 (d, J=8.16Hz, 1H), 7.77 - 7.79 (m, 3H), 8.60 (s, 1H)	475	473	(S)
A-63		(400 MHz, DMSO-d6) 0.45 - 0.50 (m, 2H), 0.78 - 0.86 (m, 8H), 1.28 (t, J=6.72Hz, 2H), 1.41 - 1.54 (m, 2H), 1.81 (m, 2H), 2.23 (s, 3H), 2.28 - 2.41 (m, 3H), 2.52 - 2.78 (m, 4H), 3.48 - 3.55 (m, 1H), 3.75 - 3.82 (m, 1H), 7.07 (d, J=8.35Hz, 2H), 7.42 (d, J=8.35Hz, 2H), 9.86 (s, 1H), 12.23 (s, 1H)	439	437	(S)
A-64		(400 MHz, DMSO-d6) 0.48 (t, J=2.43Hz, 2H), 0.80 (td, J=4.17, 1.70Hz, 2H), 0.85 (d, J=6.61Hz, 6H), 1.30 (t, J=6.84Hz, 2H), 1.45 - 1.52 (m, 2H), 1.81 - 1.84 (m, 2H), 2.07 (s, 3H), 2.33 - 2.37 (m, 3H), 2.59 - 2.81 (m, 4H), 3.52 - 3.55 (m, 1H), 3.77 - 3.79 (m, 1H), 7.10 - 7.23 (m, 4H), 9.30 (s, 1H), 12.20 (s, 1H)	439	437	(S)

Fig. 17

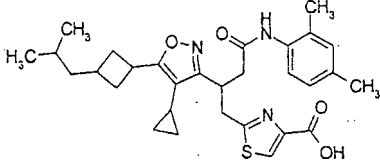
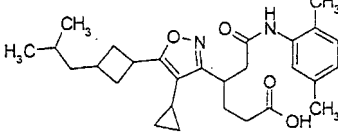
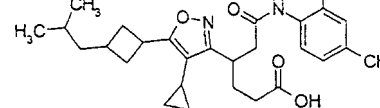
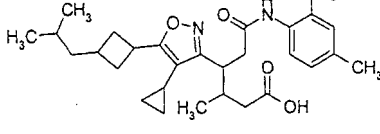
Example	Structure	NMR	MS		Stereochemistry of AUX-H
			M+H	M-H	
A-65		(400 MHz, CDCl ₃) 0.38 - 0.28 (m, 1H), 0.61 - 0.52 (m, 1H), 0.87 (d, J=7.25Hz, 6H), 0.89 - 0.83 (m, 4H), 1.37 - 1.29 (m, 4H), 1.58 - 1.49 (m, 1H), 2.04 (s, 3H), 2.09 - 1.90 (m, 3H), 2.23 (s, 3H), 2.44 - 2.29 (m, 5H), 3.03 - 2.93 (m, 1H), 3.21 - 3.09 (m, 1H), 3.59 - 3.38 (m, 3H), 4.20 - 4.09 (m, 1H), 6.92 - 6.90 (m, 2H), 7.36 (d, J=7.66Hz, 1H), 8.02 (s, 1H), 8.07 (s, 1H)	536	534	(S)
A-66		(400 MHz, DMSO-d ₆) 0.34 - 0.55 (m, 2H), 0.75 - 0.82 (m, 2H), 0.85 (d, J=6.72Hz, 6H), 1.30 (dd, J=6.84, 6.84Hz, 2H), 1.39 - 1.45 (m, 1H), 1.52 (t, J=40.12Hz, 1H), 1.76 - 1.87 (m, 2H), 1.90 - 1.95 (m, 2H), 2.00 (s, 3H), 2.15 - 2.22 (m, 2H), 2.21 (s, 3H), 2.28 - 2.43 (m, 3H), 2.68 - 2.75 (m, 2H), 3.42 - 3.50 (m, 1H), 3.52 - 3.59 (m, 1H), 6.87 (d, J=7.88Hz, 1H), 7.04 (d, J=7.65Hz, 1H), 7.08 (s, 1H), 9.26 (s, 1H), 12.13 (brs, 1H)	467	465	(R)
A-67		(400 MHz, DMSO-d ₆) 0.32 - 0.54 (m, 2H), 0.76 - 0.83 (m, 2H), 0.85 (d, J=6.51Hz, 6H), 1.30 (dd, J=6.73, 6.73Hz, 2H), 1.38 - 1.45 (m, 1H), 1.47 - 1.57 (m, 1H), 1.75 - 2.04 (m, 4H), 2.10 - 2.22 (m, 2H), 2.26 (s, 3H), 2.30 - 2.43 (m, 3H), 2.68 - 2.85 (m, 2H), 3.39 - 3.58 (m, 2H), 7.09 (dd, J=8.38, 1.10Hz, 1H), 7.28 (s, 1H), 7.43 (d, J=8.16Hz, 1H), 9.46 (s, 1H), 12.14 (brs, 1H)	487	485	(R)
A-68		(400 MHz, CDCl ₃) 0.32 - 0.39 (m, 1H), 0.46 - 0.54 (m, 1H), 0.78 - 0.84 (m, 2H), 0.85 - 0.88 (m, 6H), 1.14 (d, J=6.84Hz, 3H), 1.32 - 1.38 (m, 3H), 1.49 - 1.59 (m, 1H), 1.88 (d, J=9.48Hz, 1H), 1.97 - 2.06 (m, 4H), 2.15 (dd, J=15.33, 9.15Hz, 1H), 2.24 (s, 3H), 2.29 - 2.43 (m, 3H), 2.47 - 2.60 (m, 2H), 2.68 (dd, J=13.34, 3.20Hz, 1H), 2.93 (t, J=12.68Hz, 1H), 3.45 - 3.54 (m, 1H), 3.58 - 3.71 (m, 1H), 6.90 - 6.97 (m, 2H), 7.31 (s, 1H), 7.39 (d, J=8.82Hz, 1H)	481	479	(S)

Fig. 18

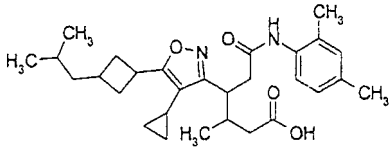
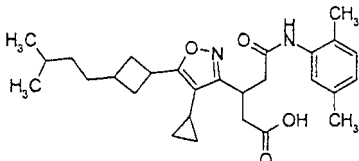
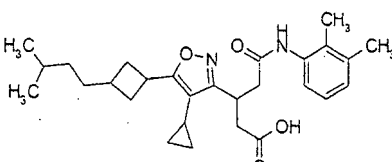
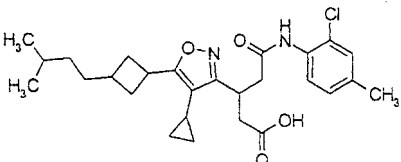
Example	Structure	NMR	MS		Stereochemistry of AUX-H
			M+H	M-H	
A-69		(400 MHz, CDCl ₃) 0.33 - 0.39 (m, 1H), 0.46 - 0.54 (m, 1H), 0.78 - 0.89 (m, 8H), 1.01 (d, J=6.84Hz, 3H), 1.32 - 1.39 (m, 3H), 1.48 - 1.60 (m, 1H), 1.83 - 1.91 (m, 1H), 1.96 - 2.06 (m, 4H), 2.24 (s, 3H), 2.27 - 2.43 (m, 4H), 2.50 - 2.70 (m, 3H), 2.98 (t, J=12.46Hz, 1H), 3.45 - 3.55 (m, 1H), 3.63 - 3.70 (m, 1H), 6.91 - 6.95 (m, 2H), 7.39 (d, J=8.82Hz, 1H), 7.46 - 7.50 (m, 1H)	481	479	(S)
A-70		(400 MHz, CDCl ₃) 0.43 - 0.53 (m, 2H), 0.88 (d, J=6.8Hz, 6H), 1.06 - 1.12 (m, 2H), 1.37 - 1.45 (m, 3H), 1.48 - 1.55 (m, 1H), 1.88 - 2.02 (m, 2H), 2.11 (s, 3H), 2.18 - 2.27 (m, 2H), 2.29 (s, 3H), 2.33 - 2.40 (m, 2H), 2.75 (dd, J=15.60, 8.00Hz, 2H), 2.94 (ddd, J=18.40, 13.60, 4.80Hz, 2H), 3.07 (dd, J=14.00, 8.80Hz, 1H), 3.46 - 3.55 (m, 1H), 3.92 - 3.98 (m, 1H), 6.87 (d, J=7.60Hz, 1H), 7.03 (d, J=7.60Hz, 1H), 7.55 (s, 1H), 7.80 (s, 1H)	467	465	(S)
A-71		(400 MHz, CDCl ₃) 0.44 - 0.54 (m, 2H), 0.88 (d, J=6.40Hz, 6H), 1.04 - 1.13 (m, 2H), 1.37 - 1.46 (m, 3H), 1.48 - 1.56 (m, 1H), 1.89 - 2.00 (m, 2H), 2.03 (s, 3H), 2.17 - 2.23 (m, 2H), 2.27 (s, 3H), 2.35 - 2.41 (m, 2H), 2.75 (dd, J=15.20, 8.40Hz, 2H), 2.94 (ddd, J=28.30, 13.80, 5.20Hz, 2H), 3.08 (dd, J=13.80, 9.20Hz, 1H), 3.47 - 3.56 (m, 1H), 3.94 - 4.00 (m, 1H), 6.99 (d, J=7.60Hz, 1H), 7.06 (dd, J=7.60, 7.60Hz, 1H), 7.36 (d, J=7.60Hz, 1H), 7.85 (s, 1H)	467	465	(S)
A-72		(400 MHz, CDCl ₃) 0.48 - 0.49 (m, 2H), 0.87 (d, J=6.80Hz, 6H), 1.06 - 1.12 (m, 2H), 1.37 - 1.45 (m, 3H), 1.48 - 1.56 (m, 1H), 1.90 - 2.03 (m, 2H), 2.17 - 2.26 (m, 2H), 2.29 (s, 3H), 2.31 - 2.40 (m, 2H), 2.80 (dd, J=16.00, 7.60Hz, 2H), 2.93 (ddd, J=15.40, 15.40, 6.40Hz, 2H), 3.04 (dd, J=14.40, 8.40Hz, 1H), 3.45 - 3.54 (m, 1H), 3.92 - 3.99 (m, 1H), 7.04 (d, J=8.20Hz, 1H), 7.16 (s, 1H), 7.92 (s, 1H), 8.11 (d, J=8.20Hz, 1H)	487	485	(S)

Fig. 19

Example	Structure	NMR	MS		Stereochemistry of AUX-H
			M+H	M-H	
A-73		(400 MHz, CDCl ₃) 0.83 - 0.90 (m, 6H), 1.12 - 1.23 (m, 6H), 1.35 (t, J=6.72Hz, 2H), 1.49 - 1.59 (m, 1H), 1.92 - 2.06 (m, 2H), 2.08 (d, J=3.48Hz, 3H), 2.26 (s, 3H), 2.29 - 2.42 (m, 3H), 2.65 - 2.86 (m, 3H), 2.89 - 2.96 (m, 1H), 2.97 - 3.06 (m, 1H), 3.39 - 3.50 (m, 1H), 3.78 - 3.87 (m, 1H), 6.93 - 6.98 (m, 2H), 7.47 - 7.52 (m, 1H), 7.59 - 7.65 (m, 1H)	455	453	(S)
A-74		(400 MHz, DMSO-d ₆) 0.32 - 0.42 (m, 1H), 0.44 - 0.53 (m, 1H), 0.72 - 0.86 (m, 2H), 0.84 (d, J=6.40Hz, 6H), 1.25 - 1.34 (m, 2H), 1.35 - 1.45 (m, 1H), 1.46 - 1.58 (m, 1H), 1.74 - 1.88 (m, 2H), 1.88 - 1.97 (m, 2H), 2.00 (s, 3H), 2.28 - 2.43 (m, 3H), 2.65 (dd, J=14.40, 7.20Hz, 1H), 2.75 (dd, J=14.40, 8.00Hz, 1H), 3.41 - 3.49 (m, 1H), 3.50 - 3.60 (m, 1H), 6.91 (d, J=8.00Hz, 1H), 6.96 (s, 1H), 7.09 (d, J=8.00Hz, 1H), 9.23 (s, 1H), 12.10 (brs, 1H)	467	465	(S)
A-75		(400 MHz, CDCl ₃) 0.50 - 0.45 (m, 2H), 0.83 (t, J=7.25Hz, 6H), 0.89 - 0.82 (m, 2H), 1.20 - 1.10 (m, 1H), 1.29 - 1.23 (m, 4H), 1.41 - 1.35 (m, 3H), 2.03 - 1.92 (m, 2H), 2.28 (s, 3H), 2.39 - 2.30 (m, 3H), 2.79 (dd, J=15.72, 7.25Hz, 1H), 2.97 - 2.89 (m, 2H), 3.03 (dd, J=14.91, 8.46Hz, 1H), 3.53 - 3.44 (m, 1H), 3.99 - 3.92 (m, 1H), 7.02 (d, J=8.06Hz, 1H), 7.14 (s, 1H), 7.91 (s, 1H), 8.10 (d, J=8.06Hz, 1H)	501	499	(S)
A-76		(400 MHz, DMSO-d ₆) 0.44 - 0.50 (m, 2H), 0.79 (m, 2H), 0.88 (s, 9H), 1.34 (m, 2H), 1.44 (dd, J=9.97, 8.12Hz, 1H), 1.88 (dd, J=12.52, 8.58Hz, 2H), 2.27 (s, 3H), 2.37 - 2.43 (m, 3H), 2.59 - 2.83 (m, 4H), 3.52 - 3.57 (m, 1H), 3.72 - 3.80 (m, 1H), 7.10 (d, J=7.88Hz, 1H), 7.29 (s, 1H), 7.45 (d, J=8.35Hz, 1H), 9.47 (s, 1H), 12.25 (s, 1H)	487	485	(S)

Fig. 20

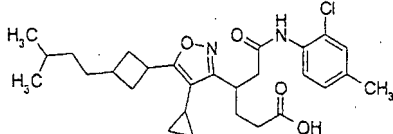
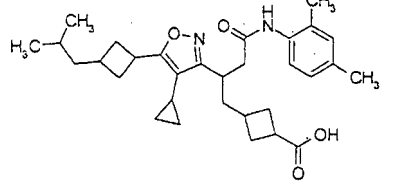
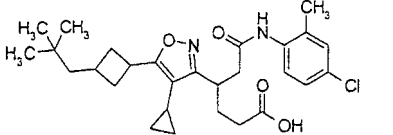
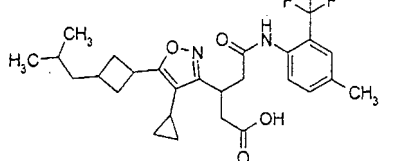
Example	Structure	NMR	MS		Stereochemistry of AUX-H
			M+H	M-H	
A-77		(400 MHz, CDCl ₃) 0.41 - 0.37 (m, 1H), 0.49 - 0.44 (m, 1H), 0.87 (d, J=6.04Hz, 6H), 0.90 - 0.81 (m, 2H), 1.11 - 1.06 (m, 2H), 1.54 - 1.33 (m, 4H), 2.03 - 1.89 (m, 2H), 2.23 - 2.07 (m, 2H), 2.27 (s, 3H), 2.44 - 2.31 (m, 4H), 2.74 (dd, J=14.51, 5.24Hz, 1H), 3.01 (dd, J=14.91, 9.27Hz, 1H), 3.53 - 3.44 (m, 1H), 3.67 - 3.60 (m, 1H), 7.02 (d, J=8.46Hz, 1H), 7.14 (s, 1H), 7.76 (s, 1H), 8.07 (d, J=7.66Hz, 1H)	501	499	(R)
A-78		(400 MHz, CDCl ₃) 0.36 - 0.37 (m, 1H), 0.47 - 0.48 (m, 1H), 0.79 - 0.90 (m, 2H), 0.87 (d, J=6.62Hz, 6H), 1.31 - 1.35 (m, 3H), 1.52 - 1.55 (m, 1H), 1.85 - 1.97 (m, 6H), 2.00 (s, 3H), 2.25 (s, 3H), 2.31 - 2.39 (m, 6H), 2.69 (dd, J=13.56, 4.30Hz, 1H), 2.88 - 2.99 (m, 2H), 3.46 - 3.50 (m, 2H), 6.93 - 6.94 (m, 2H), 7.41 - 7.43 (m, 1H), 7.51 (s, 1H)	507	505	(R)
A-79		(400 MHz, CDCl ₃) 0.35 - 0.40 (m, 1H), 0.45 - 0.49 (m, 1H), 0.80 - 0.83 (m, 2H), 0.87 (s, 9H), 1.33 - 1.37 (m, 1H), 1.37 (d, J=5.95Hz, 2H), 1.92 (dd, J=21.28, 11.14Hz, 1H), 2.00 - 2.21 (m, 3H), 2.03 (s, 3H), 2.32 - 2.45 (m, 5H), 2.77 (dd, J=13.89, 4.63Hz, 1H), 2.97 (dd, J=13.67, 10.81Hz, 1H), 3.46 - 3.55 (m, 1H), 3.66 - 3.71 (m, 1H), 7.08 - 7.10 (m, 2H), 7.53 (d, J=9.15Hz, 1H), 7.86 (s, 1H)	501	499	(R)
A-80		(400 MHz, DMSO-d ₆) 0.42 - 0.51 (m, 2H), 0.75 - 0.82 (m, 2H), 0.85 (d, J=6.40Hz, 6H), 1.26 - 1.35 (m, 2H), 1.39 - 1.58 (m, 2H), 1.76 - 1.91 (m, 2H), 2.29 - 2.43 (m, 3H), 2.36 (s, 3H), 2.55 - 2.83 (m, 4H), 3.48 - 3.61 (m, 1H), 3.68 - 3.81 (m, 1H), 7.26 (d, J=8.40Hz, 1H), 7.45 (d, J=8.40Hz, 1H), 7.51 (s, 1H), 9.53 (s, 1H), 12.20 (brs, 1H)	507	505	(S)

Fig. 21

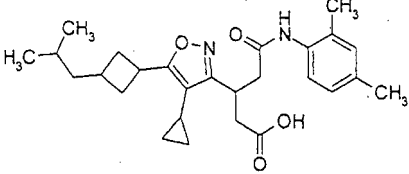
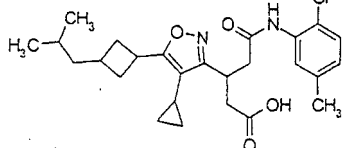
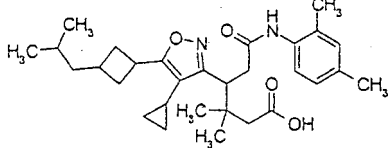
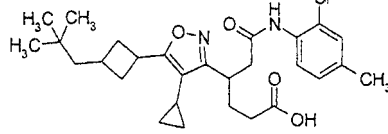
Example	Structure	NMR	MS		Stereochemistry of AUX-H
			M+H	M-H	
A-81		(400 MHz, DMSO-d6) 0.46 - 0.47 (m, 2H), 0.77 - 0.80 (m, 2H), 0.84 (s, 6H), 1.29 (t, J=6.72Hz, 2H), 1.43 - 1.51 (m, 2H), 1.81 - 1.84 (m, 2H), 2.01 (s, 3H), 2.22 (s, 3H), 2.29 - 2.40 (m, 3H), 2.57 - 2.77 (m, 4H), 3.50 - 3.54 (m, 1H), 3.72 - 3.79 (m, 1H), 6.91 (d, J=8.12Hz, 1H), 6.97 (s, 1H), 7.13 (d, J=8.12Hz, 1H), 9.23 (s, 1H), 12.22 (s, 1H)	453	451	(S)
A-82		(400 MHz, DMSO-d6) 0.41 - 0.52 (m, 2H), 0.74 - 0.89 (m, 2H), 0.84 (d, J=6.40Hz, 6H), 1.24 - 1.34 (m, 2H), 1.37 - 1.58 (m, 2H), 1.75 - 1.89 (m, 2H), 2.26 (s, 3H), 2.28 - 2.43 (m, 3H), 2.55 - 2.87 (m, 4H), 3.45 - 3.61 (m, 1H), 3.68 - 3.83 (m, 1H), 6.99 (d, J=8.40, 1H), 7.32 (d, J=8.40Hz, 1H), 7.44 (s, 1H), 9.46 (s, 1H), 12.22 (brs, 1H)	473	471	(S)
A-83		(400 MHz, CDCl3) 0.29 - 0.34 (m, 1H), 0.58 - 0.64 (m, 1H), 0.78 - 0.83 (m, 2H), 0.86 - 0.90 (m, 6H), 1.16 (s, 3H), 1.23 (s, 3H), 1.27 - 1.39 (m, 3H), 1.50 - 1.59 (m, 1H), 1.82 - 1.91 (m, 1H), 1.92 (s, 3H), 2.00 - 2.08 (m, 1H), 2.25 (s, 3H), 2.30 - 2.48 (m, 5H), 2.78 - 2.93 (m, 2H), 3.47 - 3.56 (m, 1H), 3.70 (dd, J=11.71, 4.06Hz, 1H), 6.90 - 6.93 (m, 2H), 7.06 (s, 1H), 7.21 - 7.25 (m, 1H)	495	493	(S)
B-1		(400 MHz, CDCl3) 0.31 - 0.49 (m, 2H), 0.79 - 0.84 (m, 2H), 0.87 (s, 9H), 1.31 - 1.40 (m, 1H), 1.44 (d, J=6.84Hz, 2H), 2.02 - 2.23 (m, 4H), 2.27 (s, 3H), 2.33 - 2.50 (m, 4H), 2.67 - 2.77 (m, 2H), 3.03 (dd, J=14.34, 9.04Hz, 1H), 3.69 - 3.60 (m, 2H), 7.02 (d, J=8.38Hz, 1H), 7.13 (s, 1H), 7.78 (s, 1H), 8.09 (d, J=8.38Hz, 1H)	501	499	(R)

Fig. 22

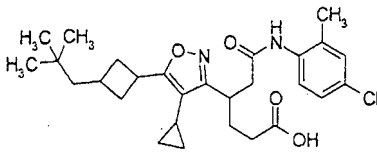
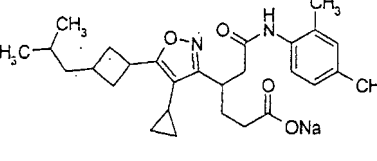
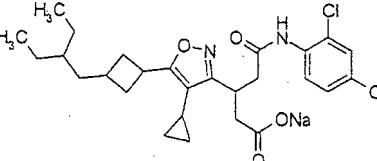
Example	Structure	NMR	MS		Stereochemistry of AUX-H
			M+H	M-H	
B-2		(400 MHz, CDCl3) 0.30 - 0.49 (m, 2H), 0.76 - 0.85 (m, 2H), 0.87 (s, 9H), 1.31 - 1.41 (m, 2H), 1.45 (d, J=6.75Hz, 2H), 1.99 - 2.13 (m, 5H), 2.13 - 2.24 (m, 1H), 2.28 - 2.51 (m, 4H), 2.62 - 2.73 (m, 1H), 2.78 (dd, J=13.72, 4.42Hz, 1H), 3.00 (dd, J=13.37, 10.82Hz, 1H), 3.60 - 3.72 (m, 2H), 7.10 (d, J=1.86Hz, 2H), 7.58 (d, J=9.07Hz, 1H), 7.75 (s, 1H)	501	499	(R)
A-84		(400 MHz, DMSO-d6) 0.37 - 0.49 (m, 2H), 0.75 - 0.80 (m, 2H), 0.84 (d, J=6.80Hz, 6H), 1.30 (t, J=6.80Hz, 2H), 1.37 - 1.44 (m, 1H), 1.47 - 1.56 (m, 1H), 1.76 - 1.89 (m, 6H), 2.02 (s, 3H), 2.21 (s, 3H), 2.28 - 2.41 (m, 3H), 2.61 - 2.72 (m, 2H), 3.36 - 3.40 (m, 2H), 3.48 - 3.56 (m, 1H), 6.90 (d, J=8.00Hz, 1H), 6.95 (s, 1H), 7.11 (d, J=8.40Hz, 1H), 9.55 (s, 1H)	467	465	(R)
A-85		(400 MHz, DMSO-d6) 0.43 - 0.48 (m, 2H), 0.73 - 0.77 (m, 2H), 0.80 (t, J=7.60Hz, 6H), 1.10 - 1.17 (m, 1H), 1.20 - 1.27 (m, 3H), 1.33 (t, J=6.40Hz, 2H), 1.38 - 1.45 (m, 1H), 1.77 - 1.86 (m, 2H), 2.12 - 2.18 (m, 1H), 2.25 (s, 3H), 2.29 - 2.38 (m, 3H), 2.66 - 2.73 (m, 1H), 2.83 (dd, J=14.60, 4.80Hz, 1H), 3.25 - 3.40 (m, 2H), 3.47 - 3.54 (m, 1H), 3.59 - 3.67 (m, 1H), 7.06 (d, J=6.80Hz, 1H), 7.25 (s, 1H), 7.49 (d, J=8.00Hz, 1H), 10.21 (brs, 1H)	501	499	(S)

Fig. 23

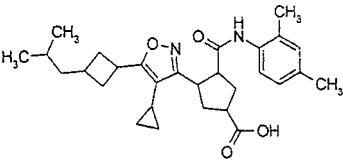
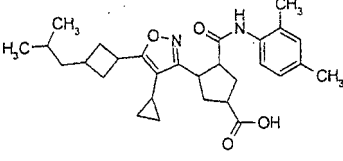
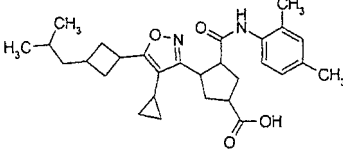
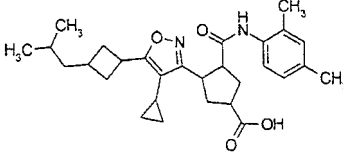
Exam ple	Structure	NMR	MS		Stereochemistry of AUX-H	Materials or Stereochemistry
			M+H	M-H		
A-86		(400 MHz, CDCl ₃) 0.37 - 0.42 (m, 2H), 0.79 - 0.85 (m, 2H), 0.85 - 0.90 (m, 6H), 1.32 - 1.38 (m, 3H), 1.50 - 1.59 (m, 1H), 1.88 - 1.96 (m, 1H), 1.96 - 2.05 (m, 1H), 2.05 - 2.08 (m, 3H), 2.23 - 2.28 (m, 3H), 2.32 - 2.49 (m, 5H), 2.57 - 2.70 (m, 1H), 2.72 - 2.84 (m, 1H), 3.08 - 3.19 (m, 2H), 3.41 - 3.66 (m, 2H), 6.91 - 6.95 (m, 1H), 6.95 - 7.00 (m, 1H), 7.69 - 7.75 (m, 1H), 7.89 - 7.94 (m, 1H)	479	477	Without using AUX-H	Dimethyl 4-oxo-cyclopentane-trans-1,2-dicarboxylate was used as a material.
A-87		(400 MHz, CDCl ₃) 0.37 - 0.42 (m, 2H), 0.79 - 0.85 (m, 2H), 0.85 - 0.90 (m, 6H), 1.32 - 1.38 (m, 3H), 1.50 - 1.59 (m, 1H), 1.88 - 1.96 (m, 1H), 1.96 - 2.05 (m, 1H), 2.05 - 2.08 (m, 3H), 2.23 - 2.28 (m, 3H), 2.32 - 2.49 (m, 5H), 2.57 - 2.70 (m, 1H), 2.72 - 2.84 (m, 1H), 3.08 - 3.19 (m, 2H), 3.41 - 3.66 (m, 2H), 6.91 - 6.95 (m, 1H), 6.95 - 7.00 (m, 1H), 7.69 - 7.75 (m, 1H), 7.89 - 7.94 (m, 1H)	479	477	Without using AUX-H	Dimethyl 4-oxo-cyclopentane-trans-1,2-dicarboxylate was used as a material. Enantiomer of A-86
A-88		(400 MHz, CDCl ₃) 0.37 - 0.42 (m, 2H), 0.75 - 0.85 (m, 2H), 0.85 - 0.90 (m, 6H), 1.32 - 1.38 (m, 3H), 1.51 - 1.58 (m, 1H), 1.88 - 1.97 (m, 1H), 1.97 - 2.03 (m, 1H), 2.04 - 2.08 (m, 3H), 2.23 - 2.27 (m, 3H), 2.32 - 2.44 (m, 5H), 2.60 - 2.71 (m, 1H), 2.71 - 2.85 (m, 1H), 3.14 - 3.25 (m, 1H), 3.38 - 3.57 (m, 2H), 3.57 - 3.69 (m, 1H), 6.91 - 6.95 (m, 1H), 6.95 - 6.99 (m, 1H), 7.69 - 7.75 (m, 1H), 7.89 - 7.94 (m, 1H)	479	477	Without using AUX-H	Dimethyl 4-oxo-cyclopentane-trans-1,2-dicarboxylate was used as a material. Diastereomer of A-86
A-89		(400 MHz, CDCl ₃) 0.37 - 0.42 (m, 2H), 0.75 - 0.85 (m, 2H), 0.85 - 0.90 (m, 6H), 1.32 - 1.38 (m, 3H), 1.51 - 1.58 (m, 1H), 1.88 - 1.97 (m, 1H), 1.97 - 2.03 (m, 1H), 2.04 - 2.08 (m, 3H), 2.23 - 2.27 (m, 3H), 2.32 - 2.44 (m, 5H), 2.60 - 2.71 (m, 1H), 2.71 - 2.85 (m, 1H), 3.14 - 3.25 (m, 1H), 3.38 - 3.57 (m, 2H), 3.57 - 3.69 (m, 1H), 6.91 - 6.95 (m, 1H), 6.95 - 6.99 (m, 1H), 7.69 - 7.75 (m, 1H), 7.89 - 7.94 (m, 1H)	479	477	Without using AUX-H	Dimethyl 4-oxo-cyclopentane-trans-1,2-dicarboxylate was used as a material. Diastereomer of A-86

Fig. 24

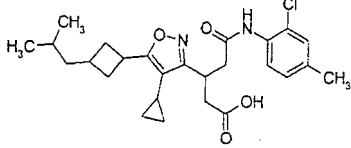
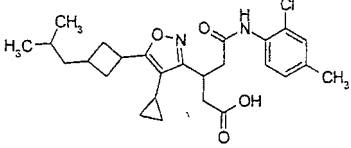
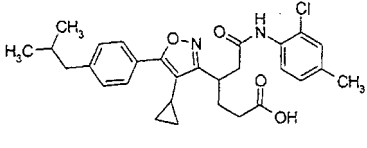
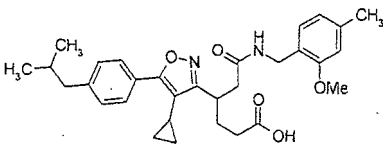
Exam ple	Structure	NMR	MS		Stereochemistry of AUX-H	Materials or Stereochemistry
			M+H	M-H		
B-3		(400 MHz, CDCl3) 0.41 - 0.50 (m, 2H), 0.83 - 0.88 (m, 2H), 0.87 (d, J=6.62Hz, 6H), 1.32 - 1.43 (m, 3H), 1.55 (m, 1H), 1.95 - 2.04 (m, 2H), 2.28 (s, 3H), 2.34 - 2.59 (m, 3H), 2.78 - 3.07 (m, 4H), 3.64 - 3.72 (m, 1H), 3.93 - 4.00 (m, 1H), 7.03 (dd, J=8.27, 1.65Hz, 1H), 7.15 (s, 1H), 7.89 (s, 1H), 8.12 (d, J=8.38Hz, 1H)	473	471	(S)	-
B-4		(400 MHz, CDCl3) 0.43 - 0.49 (m, 2H), 0.84 - 0.88 (m, 2H), 0.87 (d, J=6.62Hz, 6H), 1.38 - 1.43 (m, 3H), 1.94 - 2.04 (m, 2H), 2.28 (s, 3H), 2.37 - 2.50 (m, 2H), 2.50 - 2.62 (m, 1H), 2.80 - 3.06 (m, 4H), 3.64 - 3.73 (m, 1H), 3.92 - 3.99 (m, 1H), 7.04 (dd, J=8.16, 1.32Hz, 1H), 7.16 (s, 1H), 7.86 (s, 1H), 8.13 (d, J=8.16Hz, 1H)	473	471	(R)	-
C-1		(400 MHz, CDCl3) 0.27 - 0.38 (m, 1H), 0.47 - 0.58 (m, 1H), 0.84 - 1.03 (m, 2H), 0.92 (d, J=6.40Hz, 6H), 1.59 - 1.70 (m, 1H), 1.84 - 1.97 (m, 1H), 2.08 - 2.32 (m, 2H), 2.27 (s, 3H), 2.39 - 2.57 (m, 2H), 2.52 (d, J=7.20Hz, 2H), 2.80 (dd, J=14.40, 5.20Hz, 1H), 3.09 (dd, J=14.40, 9.60Hz, 1H), 3.74 - 3.85 (m, 1H), 7.02 (d, J=8.40Hz, 1H), 7.12 (s, 1H), 7.23 (d, J=8.40Hz, 2H), 7.73 (d, J=8.40Hz, 2H), 7.80 (brs, 1H), 8.08 (d, J=8.40Hz, 1H)	509	507	(R)	-
C-2		(400 MHz, CDCl3) 0.18 - 0.27 (m, 1H), 0.39 - 0.49 (m, 1H), 0.82 - 1.02 (m, 2H), 0.94 (d, J=7.20Hz, 6H), 1.50 - 1.60 (m, 1H), 1.85 - 1.98 (m, 1H), 1.99 - 2.22 (m, 2H), 2.17 (s, 3H), 2.34 - 2.47 (m, 2H), 2.54 (d, J=7.20Hz, 2H), 2.61 (dd, J=14.00, 5.60Hz, 1H), 2.75 (dd, J=14.00, 10.00Hz, 1H), 3.66 - 3.83 (m, 1H), 3.78 (s, 3H), 4.24 (dd, J=14.40, 5.60Hz, 1H), 4.34 (dd, J=14.40, 6.40Hz, 1H), 6.20 - 6.28 (m, 1H), 6.53 - 6.57 (m, 1H), 6.54 (s, 1H), 6.95 (d, J=8.00Hz, 1H), 7.24 (d, J=8.00Hz, 2H), 7.73 (d, J=8.00Hz, 2H)	519	517	(R)	-

Fig. 25

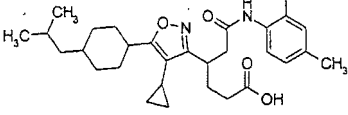
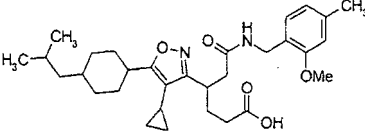
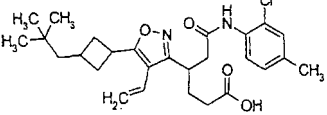
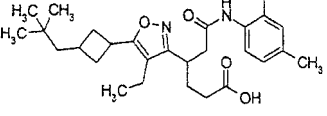
Exam ple	Structure	NMR	MS		Stereochem- istry of AUX- H	Materials or Stereochem- istry
			M+H	M-H		
D-1		(400 MHz, CDCl3) 0.38 - 0.44 (m, 1H); 0.46 - 0.54 (m, 1H); 0.78 - 0.89 (m, 2H); 0.86 (d, J=6.52Hz, 6H); 1.19 (t, J=7.00Hz, 2H); 1.33 - 1.40 (m, 1H); 1.40 - 1.66 (m, 8H); 1.76 - 1.90 (m, 2H); 2.03 - 2.22 (m, 2H); 2.25 (s, 3H); 2.36 - 2.45 (m, 2H); 2.73 (dd, J=14.00, 5.36Hz, 1H); 2.95 - 3.07 (m, 2H); 3.60 - 3.68 (m, 1H); 7.00 (d, J=8.00Hz, 1H); 7.11 (s, 1H); 7.71 (brs, 1H); 8.06 (d, J=8.00Hz, 1H)	515	513	(R)	-
D-2		(400 MHz, CDCl3) 0.33 - 0.41 (m, 1H); 0.45 - 0.53 (m, 1H); 0.80 - 0.92 (m, 2H); 0.88 (d, J=6.80Hz, 6H); 1.19 (t, J=7.20Hz, 2H); 1.32 - 1.40 (m, 1H); 1.41 - 1.70 (m, 8H); 1.78 - 1.91 (m, 2H); 1.95 - 2.16 (m, 2H); 2.28 - 2.42 (m, 2H); 2.32 (s, 3H); 2.54 (dd, J=14.40, 6.00Hz, 1H); 2.70 (dd, J=14.40, 8.40Hz, 1H); 2.96 - 3.05 (m, 1H); 3.55 - 3.66 (m, 1H); 3.81 (s, 3H); 4.24 - 4.37 (m, 2H); 6.20 (dd, J=5.60, 5.60Hz, 1H); 6.64 (s, 1H); 6.66 (d, J=7.60Hz, 1H); 7.01 (d, J=7.60Hz, 1H)	525	523	(R)	-
A-90		(400 MHz, CDCl3) 0.87 (s, 9H); 1.39 (d, J=6.18Hz, 2H); 2.06 - 2.14 (m, 4H); 2.27 (s, 3H); 2.32 - 2.46 (m, 5H); 2.74 (dd, J=14.45, 5.62Hz, 1H); 3.02 (dd, J=14.45, 8.93Hz, 1H); 3.44 - 3.61 (m, 2H); 5.35 (ddd, J=14.56, 8.38, 1.21Hz, 2H); 6.37 (dd, J=17.64, 11.47Hz, 1H); 7.01 (d, J=9.70Hz, 1H); 7.14 (s, 1H); 7.82 (s, 1H); 8.07 (d, J=8.38Hz, 1H)	487	485	(R)	-
A-91		(400 MHz, CDCl3) 0.87 (s, 9H); 1.03 (t, J=7.28Hz, 3H); 1.40 (d, J=11.69Hz, 2H); 2.04 - 2.11 (m, 4H); 2.26 - 2.39 (m, 10H); 2.75 (dd, J=14.11, 4.52Hz, 1H); 2.98 (dd, J=13.23, 9.70Hz, 1H); 3.31 - 3.49 (m, 2H); 7.01 (d, J=7.94Hz, 1H); 7.13 (s, 1H); 7.81 (s, 1H); 8.03 (d, J=7.94Hz, 1H)	489	487	(R)	-

Fig. 26

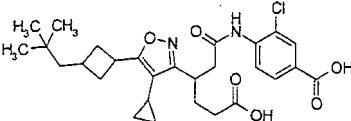
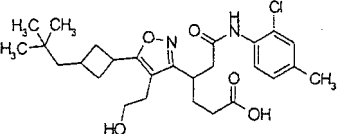
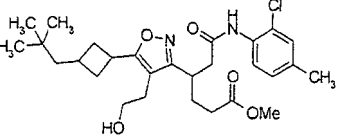
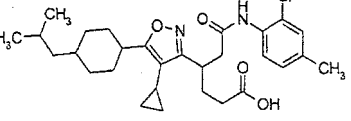
Exam ple	Structure	NMR	MS		Stereochemistry of AUX-H	Materials or Stereochemistry
			M+H	M-H		
A-92		(400 MHz, DMSO-d6) 0.38 - 0.43 (m, 1H), 0.46 - 0.51 (m, 1H), 0.78 - 0.83 (m, 2H), 0.85 (s, 9H), 1.33 (d, J=6.00Hz, 2H), 1.38 - 1.45 (m, 1H), 1.83 - 1.96 (m, 4H), 2.13 - 2.24 (m, 2H), 2.36 - 2.43 (m, 3H), 2.83 (dd, J=15.20, 6.80Hz, 1H), 2.94 (dd, J=15.40, 8.00Hz, 1H), 3.43 - 3.59 (m, 2H), 7.84 (dd, J=8.40, 2.00Hz, 1H), 7.92 (d, J=8.80Hz, 1H), 7.92 (d, J=2.00Hz, 1H), 9.65 (s, 1H)	531	529	(R)	-
A-93		(400 MHz, CDCl3) 0.87 (s, 9H), 1.03 (t, J=7.28Hz, 3H), 1.40 (d, J=11.69Hz, 2H), 2.04 - 2.11 (m, 4H), 2.26 - 2.39 (m, 10H), 2.75 (dd, J=14.11, 4.52Hz, 1H), 2.98 (dd, J=13.23, 9.70Hz, 1H), 3.31 - 3.49 (m, 2H), 7.01 (d, J=7.94Hz, 1H), 7.13 (s, 1H), 7.81 (s, 1H), 8.03 (d, J=7.94Hz, 1H)	505	503	(R)	-
A-94		(400 MHz, CDCl3) 0.87 (s, 9H), 1.38 (d, J=5.95Hz, 2H), 2.02 - 2.09 (m, 4H), 2.27 (s, 3H), 2.35 - 2.41 (m, 5H), 2.51 - 2.61 (m, 2H), 2.77 (dd, J=14.89, 4.74Hz, 1H), 3.08 (dd, J=14.78, 10.37Hz, 1H), 3.34 - 3.38 (m, 1H), 3.48 - 3.50 (m, 1H), 3.48 (s, 3H), 3.63 - 3.72 (m, 2H), 7.00 (d, J=8.38Hz, 1H), 7.14 (s, 1H), 7.67 (s, 1H), 8.03 (d, J=8.38Hz, 1H)	519	517	(R)	-
D-3		(400 MHz, DMSO-d6) 0.37 - 0.46 (m, 1H), 0.49 - 0.58 (m, 1H), 0.77 - 0.90 (m, 2H), 0.85 (d, J=6.40Hz, 6H), 0.91 - 1.11 (m, 2H), 1.07 (t, J=7.20Hz, 2H), 1.29 - 1.85 (m, 9H), 1.87 - 1.99 (m, 2H), 2.09 - 2.31 (m, 2H), 2.27 (s, 3H), 2.65 - 2.89 (m, 3H), 3.42 - 3.54 (m, 1H), 7.09 (d, J=8.00Hz, 1H), 7.28 (s, 1H), 7.42 (d, J=8.00Hz, 1H), 9.45 (s, 1H), 12.08 (brs, 1H)	515	513	(R)	-

Fig. 27

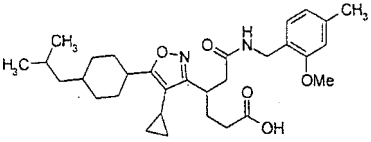
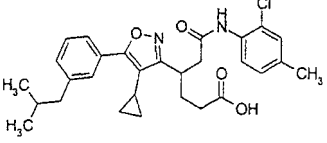
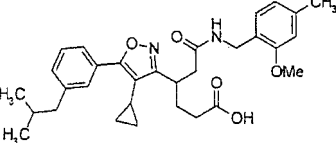
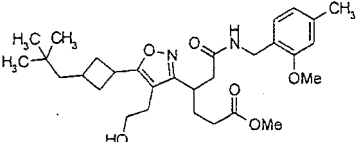
Exam ple	Structure	NMR	MS		Stereoch emistry of AUX- H	Materials or Stereoch emistry
			M+H	M-H		
D-4		(400 MHz, DMSO-d6) 0.34 - 0.44 (m, 1H), 0.47 - 0.56 (m, 1H), 0.73 - 0.91 (m, 2H), 0.86 (d, J=6.40Hz, 6H), 0.91 - 1.13 (m, 2H), 1.07 (t, J=7.20Hz, 2H), 1.30 - 1.46 (m, 2H), 1.46 - 1.92 (m, 9H), 2.06 - 2.22 (m, 2H), 2.27 (s, 3H), 2.43 - 2.62 (m, 2H), 2.77 - 2.88 (m, 1H), 3.20 - 3.47 (m, 1H), 3.75 (s, 3H), 4.06 - 4.19 (m, 2H), 6.64 (d, J=7.20Hz, 1H), 6.76 (s, 1H), 6.89 (d, J=7.20Hz, 1H), 8.14 (dd, J=6.00, 6.00Hz, 1H), 12.06 (brs, 1H)	525	523	(R)	—
C-3		(400 MHz, DMSO-d6) 0.15 - 0.28 (m, 1H), 0.41 - 0.51 (m, 1H), 0.81 - 0.99 (m, 2H), 0.89 (d, J=7.20Hz, 6H), 1.71 - 1.82 (m, 1H), 1.82 - 2.07 (m, 3H), 2.17 - 2.36 (m, 2H), 2.27 (s, 3H), 2.54 (d, J=7.20Hz, 2H), 2.80 (dd, J=14.80, 6.40Hz, 1H), 2.92 (dd, J=14.80, 8.00Hz, 1H), 3.56 - 3.68 (m, 1H), 7.09 (d, J=7.20Hz, 1H), 7.25 - 7.33 (m, 1H), 7.28 (s, 1H), 7.40 - 7.50 (m, 2H), 7.58 - 7.66 (m, 2H), 9.51 (s, 1H), 12.12 (brs, 1H)	509	507	(R)	—
C-4		(400 MHz, DMSO-d6) 0.13 - 0.23 (m, 1H), 0.40 - 0.51 (m, 1H), 0.83 - 0.99 (m, 2H), 0.90 (d, J=7.20Hz, 6H), 1.67 - 1.78 (m, 1H), 1.83 - 2.00 (m, 3H), 2.16 - 2.30 (m, 2H), 2.21 (s, 3H), 2.46 - 2.62 (m, 1H), 2.55 (d, J=6.80Hz, 2H), 2.69 (dd, J=14.40, 9.20Hz, 1H), 3.53 - 3.63 (m, 1H), 3.75 (s, 3H), 4.07 (dd, J=15.60, 6.00Hz, 1H), 4.18 (dd, J=15.60, 6.00Hz, 1H), 6.50 (d, J=7.20Hz, 1H), 6.74 (s, 1H), 6.79 (d, J=7.60Hz, 1H), 7.31 (d, J=7.60Hz, 1H), 7.42 - 7.50 (m, 1H), 7.58 - 7.67 (m, 2H), 8.20 (dd, J=6.00, 6.00Hz, 1H), 12.11 (brs, 1H)	519	517	(R)	—
A-95		(400 MHz, CDCl3) 0.87 (s, 9H), 1.39 (d, J=6.18Hz, 2H), 1.95 - 2.02 (m, 4H), 2.27 - 2.46 (m, 4H), 2.27 (s, 3H), 2.50 - 2.55 (m, 3H), 2.75 (dd, J=14.67, 10.48Hz, 1H), 3.30 - 3.44 (m, 2H), 3.58 - 3.61 (m, 1H), 3.58 (s, 1H), 3.71 (dd, J=10.81, 5.51Hz, 1H), 3.81 (s, 3H), 4.22 - 4.33 (m, 2H), 6.07 (s, 1H), 6.07 (t, J=5.62Hz, 1H), 6.65 - 6.68 (m, 2H), 6.67 (s, 1H), 6.98 (d, J=7.50Hz, 1H)	529	527	(R)	—

Fig. 28

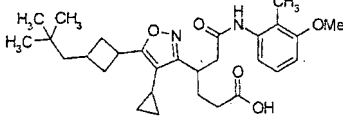
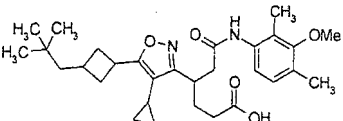
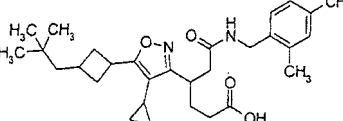
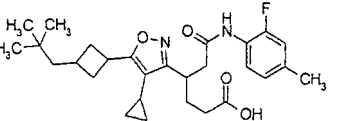
Exam ple	Structure	NMR	MS		Stereochemistry of AUX-H	Materials or Stereochemistry
			M+H	M-H		
A-96		(400 MHz, CDCl ₃) 0.35 - 0.40 (m, 1H), 0.45 - 0.50 (m, 1H), 0.79 - 0.87 (m, 2H), 0.87 (s, 9H), 1.33 - 1.39 (m, 1H), 1.38 (d, J=5.95Hz, 2H), 1.92 (s, 3H), 1.92 - 2.21 (m, 4H), 2.33 - 2.50 (m, 5H), 2.76 (dd, J=13.56, 4.52Hz, 1H), 2.98 (dd, J=13.56, 10.70Hz, 1H), 3.46 - 3.55 (m, 1H), 3.63 - 3.70 (m, 1H), 3.79 (s, 3H), 6.66 (d, J=8.16Hz, 1H), 7.08 (t, J=8.16Hz, 1H), 7.20 (d, J=8.16Hz, 1H), 7.56 (brs, 1H)	497	495	(R)	-
A-97		(400 MHz, DMSO-d ₆) 0.32 - 0.43 (m, 1H), 0.45 - 0.55 (m, 1H), 0.73 - 0.92 (m, 2H), 0.86 (s, 9H), 1.30 - 1.35 (m, 1H), 1.32 (d, J=5.60Hz, 2H), 1.79 - 2.00 (m, 4H), 1.94 (s, 3H), 2.13 - 2.25 (m, 2H), 2.18 (s, 3H), 2.32 - 2.46 (m, 3H), 2.67 (dd, J=14.40Hz, 6.80Hz, 1H), 2.75 (dd, J=14.40, 8.40Hz, 1H), 3.39 - 3.66 (m, 2H), 3.60 (s, 3H), 6.88 - 6.98 (m, 2H), 9.29 (s, 1H), 12.08 (brs, 1H)	511	509	(R)	-
A-98		(400 MHz, DMSO-d ₆) 0.31 - 0.41 (m, 1H), 0.44 - 0.53 (m, 1H), 0.69 - 0.93 (m, 2H), 0.86 (s, 9H), 1.30 - 1.43 (m, 1H), 1.36 (d, J=6.00Hz, 2H), 1.78 - 1.97 (m, 4H), 2.05 - 2.25 (m, 2H), 2.13 (s, 3H), 2.22 (s, 3H), 2.32 - 2.54 (m, 4H), 2.59 (dd, J=14.40, 8.40Hz, 1H), 3.13 - 3.48 (m, 1H), 3.48 - 3.63 (m, 1H), 4.07 (dd, J=14.80, 5.60Hz, 1H), 4.20 (dd, J=14.80, 5.60Hz, 1H), 6.85 - 6.97 (m, 2H), 6.93 (s, 1H), 8.17 (dd, J=5.60, 5.60Hz, 1H), 12.07 (brs, 1H)	495	493	(R)	-
A-99		(400 MHz, DMSO-d ₆) 0.33 - 0.56 (m, 2H), 0.71 - 0.95 (m, 2H), 0.85 (s, 9H), 1.28 - 1.47 (m, 1H), 1.34 (d, J=6.00Hz, 2H), 1.78 - 1.99 (m, 4H), 2.08 - 2.31 (m, 2H), 2.26 (s, 3H), 2.31 - 2.45 (m, 3H), 2.72 (dd, J=14.80, 7.20Hz, 1H), 2.81 (dd, J=14.80, 8.00Hz, 1H), 3.16 - 3.62 (m, 2H), 6.93 (d, J=8.00Hz, 1H), 7.04 (d, J=11.4Hz, 1H), 7.61 (dd, J=8.00, 8.00Hz, 1H), 9.63 (s, 1H), 12.08 (brs, 1H)	485	483	(R)	-

Fig. 29

Exam ple	Structure	NMR	MS		Stereoch emistry of AUX- H	Materials or Stereoch emistry
			M+H	M-H		
A-100		(400 MHz, CDCl3) 0.37 (dd, J=9.59, 4.52Hz, 1H), 0.49 (dd, J=9.70, 4.63Hz, 1H), 0.82 (dd, J=8.27, 4.74Hz, 2H), 0.87 (s, 9H), 1.33 - 1.38 (m, 1H), 1.37 (d, J=5.73Hz, 2H), 1.98 - 2.12 (m, 7H), 2.38 - 2.42 (m, 5H), 2.77 (dd, J=13.78, 4.74Hz, 1H), 2.96 (dd, J=13.78, 10.70Hz, 1H), 3.50 - 3.52 (m, 1H), 3.67 - 3.69 (m, 1H), 6.81 - 6.83 (m, 2H), 7.41 (dd, J=8.49, 6.06Hz, 1H), 7.76 (s, 1H)	485	483	(R)	-
A-101		(400 MHz, CDCl3) 0.48 - 0.50 (m, 1H), 0.81 (d, J=5.29Hz, 1H), 0.90 (s, 9H), 0.95 - 0.96 (m, 2H), 1.47 (dd, J=12.90, 7.39Hz, 3H), 2.13 (s, 2H), 2.31 - 2.34 (m, 8H), 2.62 (t, J=14.78Hz, 2H), 2.79 (dd, J=13.45, 4.63Hz, 1H), 3.06 (dd, J=13.34, 10.70Hz, 1H), 3.54 - 3.57 (m, 1H), 4.77 - 4.79 (m, 1H), 6.97 (d, J=8.38Hz, 1H), 7.08 (s, 1H), 7.83 (d, J=8.38Hz, 1H), 7.90 (s, 1H)	501	499	(R)	-
A-102		(400 MHz, CDCl3) 0.43 - 0.46 (m, 2H), 0.84 - 0.87 (m, 1H), 0.86 (s, 9H), 1.34 - 1.36 (m, 3H), 1.91 - 2.19 (m, 8H), 2.36 - 2.42 (m, 5H), 2.78 (dd, J=13.78, 4.52Hz, 1H), 3.00 (dd, J=13.56, 10.70Hz, 1H), 3.46 - 3.55 (m, 1H), 3.65 - 3.67 (m, 1H), 6.70 - 6.72 (m, 1H), 7.04 (t, J=7.28Hz, 1H), 7.58 (dd, J=10.81, 2.43Hz, 1H), 7.81 (s, 1H)	485	483	(R)	-
D-5		(400 MHz, CDCl3) 0.53 - 0.56 (m, 1H), 0.88 - 0.97 (m, 5H), 1.15 - 1.18 (m, 4H), 1.52 - 1.54 (m, 1H), 1.68 - 1.71 (m, 7H), 2.12 - 2.14 (m, 2H), 2.26 - 2.31 (m, 5H), 2.80 (dd, J=13.78, 4.74Hz, 1H), 3.05 (dd, J=13.23, 10.81Hz, 1H), 3.58 (s, 1H), 4.30 (t, J=7.94Hz, 2H), 6.97 (d, J=8.38Hz, 1H), 7.08 (s, 1H), 7.89 (d, J=7.72Hz, 2H)	487	485	(R)	-

Fig. 30

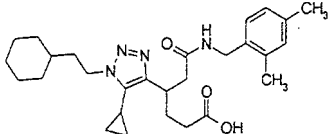
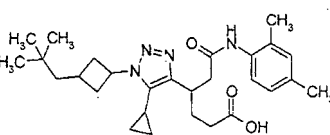
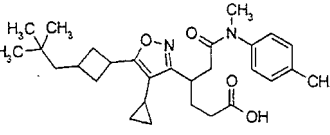
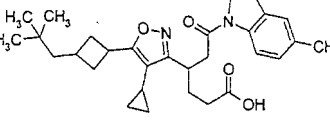
Exam ple	Structure	NMR	MS		Stereoch emistry of AUX- H	Materials or Stereoch emistry
			M+H	M-H		
D-6		(400 MHz, CDCl3) 0.45 - 0.46 (m, 1H), 0.86 - 1.02 (m, 5H), 1.19 - 1.30 (m, 4H), 1.44 - 1.51 (m, 1H), 1.65 - 1.78 (m, 7H), 2.02 - 2.10 (m, 5H), 2.15 - 2.33 (m, 5H), 2.63 - 2.81 (m, 2H), 3.51 (t, J=5.51Hz, 1H), 4.06 (dd, J=14.67, 4.96Hz, 1H), 4.22 - 4.29 (m, 3H), 6.64 (t, J=5.62Hz, 1H), 6.76 (d, J=7.72Hz, 1H), 6.84 - 6.87 (m, 2H)	481	479	(R)	-
A-103		(400 MHz, CDCl3) 0.51 (s, 1H), 0.87 - 0.89 (m, 10H), 0.96 (d, J=8.38Hz, 2H), 1.44 - 1.49 (m, 3H), 1.87 (s, 3H), 2.06 - 2.09 (m, 2H), 2.27 - 2.38 (m, 8H), 2.62 - 2.63 (m, 2H), 2.81 (dd, J=13.23, 4.63Hz, 1H), 3.03 (t, J=12.35Hz, 1H), 3.58 - 3.60 (m, 1H), 4.75 - 4.84 (m, 1H), 6.86 - 6.87 (m, 2H), 7.16 (d, J=8.82Hz, 1H), 8.05 (s, 1H)	481	479	(R)	-
A-104		(400 MHz, CDCl3) 0.31 - 0.37 (m, 1H), 0.49 - 0.55 (m, 1H), 0.80 (dd, J=6.40, 1.90Hz, 2H), 0.85 (s, 9H), 1.28 - 1.38 (m, 3H), 1.89 - 2.04 (m, 4H), 2.25 (t, J=7.80Hz, 2H), 2.31 - 2.40 (m, 7H), 2.61 (dd, J=16.20, 7.10Hz, 1H), 3.20 (s, 3H), 3.46 (t, J=6.50Hz, 1H), 3.58 (t, J=7.00Hz, 1H), 7.04 (d, J=8.10Hz, 2H), 7.19 (d, J=8.10Hz, 2H)	481	479	(R)	-
A-105		(400MHz, CDCl3) 0.36 - 0.43 (m, 1H), 0.51 - 0.60 (m, 1H), 0.79 - 0.90 (m, 2H), 0.84 (s, 9H), 1.36 (d, J=5.60Hz, 2H), 1.37 - 1.43 (m, 1H), 1.99 (t, J=10.10Hz, 2H), 2.07 - 2.16 (m, 2H), 2.27 (s, 3H), 2.30 - 2.43 (m, 5H), 2.69 (dd, J=16.00, 6.50Hz, 1H), 3.01 (dd, J=16.00, 7.20Hz, 1H), 3.11 (td, J=8.40, 0.10Hz, 2H), 3.43 - 3.54 (m, 1H), 3.75 (t, J=6.90Hz, 1H), 3.99 - 4.13 (m, 2H), 6.94 (d, J=8.80Hz, 2H), 8.03 (d, J=8.10Hz, 1H)	493	491	(R)	-

Fig. 31

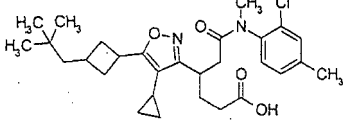
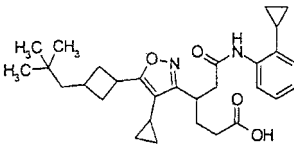
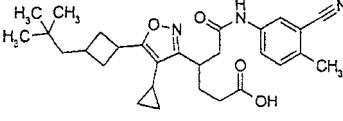
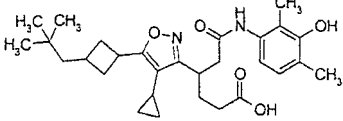
Exam ple	Structure	NMR	MS		Stereochem- istry of AUX- H	Materials or Stereochem- istry
			M+H	M-H		
A-106		(400 MHz, CDCl3) 0.32 - 0.58 (m, 2H), 0.80 - 0.89 (m, 11H), 1.23 - 1.38 (m, 3H), 1.90 - 2.04 (m, 4H), 2.20 - 2.60 (m, 10H), 3.13 (s, 2H), 3.18 (s, 1H), 3.41 - 3.52 (m, 1H), 3.56 - 3.66 (m, 1H), 7.09 - 7.14 (m, 2H), 7.26 - 7.30 (m, 1H)	515	513	(R)	-
A-107		(400 MHz, CDCl3) 0.35 - 0.71 (m, 4H), 0.80 - 1.02 (m, 13H), 1.33 - 1.37 (m, 3H), 1.59 (s, 1H), 1.90 - 2.19 (m, 4H), 2.35 - 2.42 (m, 5H), 2.78 (dd, J=13.78, 4.74Hz, 1H), 3.01 (dd, J=13.56, 10.26Hz, 1H), 3.43 - 3.52 (m, 1H), 3.66 - 3.67 (m, 1H), 6.98 - 7.07 (m, 2H), 7.16 (t, J=7.61Hz, 1H), 7.97 (d, J=7.94Hz, 1H), 8.02 (s, 1H)	493	491	(R)	-
A-108		(400 MHz, CDCl3) 0.37 - 0.43 (m, 1H), 0.46 - 0.52 (m, 1H), 0.79 - 0.89 (m, 2H), 0.85 (s, 9H), 1.33 - 1.38 (m, 1H), 1.35 (d, J=6.00Hz, 2H), 1.89 - 2.12 (m, 3H), 2.19 (dd, J=14.10, 7.10Hz, 1H), 2.31 - 2.44 (m, 5H), 2.44 (s, 3H), 2.76 (dd, J=14.30, 4.80Hz, 1H), 2.91 (dd, J=14.30, 10.10Hz, 1H), 3.44 - 3.54 (m, 1H), 3.71 (dd, J=9.50, 5.10Hz, 1H), 7.15 (d, J=8.40Hz, 1H), 7.48 (d, J=8.60Hz, 1H), 7.76 (s, 1H), 8.44 (br d, J=14.20Hz, 1H)	492	490	(R)	-
A-109		(400 MHz, DMSO-d6) 0.31 - 0.42 (m, 1H), 0.46 - 0.56 (m, 1H), 0.72 - 0.91 (m, 2H), 0.86 (s, 9H), 1.29 - 1.46 (m, 1H), 1.35 (d, J=5.6Hz, 2H), 1.79 - 1.97 (m, 4H), 1.85 (s, 3H), 2.08 - 2.23 (m, 2H), 2.11 (s, 3H), 2.31 - 2.46 (m, 3H), 2.64 (dd, J=14.40, 6.80Hz, 1H), 2.73 (dd, J=14.40, 8.40Hz, 1H), 3.17 - 3.62 (m, 2H), 6.60 (d, J=8.00Hz, 1H), 6.61 (d, J=8.00Hz, 1H), 8.15 (brs, 1H), 9.24 (s, 1H), 12.08 (brs, 1H)	497	495	(R)	-

Fig. 32

Example	Structure	NMR	MS		Stereochemistry of AUX-H	Materials or Stereochemistry
			M+H	M-H		
A-110		(400 MHz, CDCl ₃) 0.85 (s, 9H), 1.37 (d, J=6.30Hz, 2H), 2.02 - 2.17 (m, 4H), 2.26 (s, 3H), 2.37 - 2.47 (m, 5H), 2.73 (dd, J=14.40, 5.80Hz, 1H), 2.99 (dd, J=15.20, 8.50Hz, 1H), 3.56 - 3.66 (m, 2H), 7.02 (d, J=8.10Hz, 1H), 7.14 (s, 1H), 7.61 (s, 1H), 8.11 (d, J=8.40Hz, 1H)	529	527	(R)	-
A-111		(400 MHz, CDCl ₃) 0.34 - 0.39 (m, 1H), 0.40 - 0.45 (m, 1H), 0.78 - 0.83 (m, 2H), 0.86 (s, 9H), 1.29 - 1.36 (m, 1H), 1.36 (d, J=4.40Hz, 2H), 1.90 (dd, J=20.20, 10.50Hz, 1H), 2.03 (dt, J=20.30, 6.40Hz, 2H), 2.15 (s, 3H), 2.19 (t, J=7.10Hz, 1H), 2.38 (tt, J=23.80, 7.60Hz, 5H), 2.78 (dd, J=13.60, 3.80Hz, 1H), 3.03 (dd, J=14.40, 10.90Hz, 1H), 3.49 (tt, J=9.70, 4.10Hz, 1H), 3.62 (td, J=10.40, 5.90Hz, 1H), 7.39 (s, 1H), 7.43 (d, J=8.60Hz, 1H), 8.05 (d, J=5.30Hz, 2H)	492	490	(R)	-
A-112		(400 MHz, DMSO-d ₆) 0.35 - 0.44 (m, 2H), 0.72 - 0.82 (m, 2H), 0.83 (t, J=7.83Hz, 6H), 1.30 (t, J=6.73Hz, 2H), 1.36 - 1.43 (m, 1H), 1.48 - 1.55 (m, 1H), 1.79 - 1.89 (m, 2H), 1.96 (dd, J=22.05, 11.25Hz, 1H), 2.10 (dt, J=15.88, 6.45Hz, 1H), 2.26 (s, 3H), 2.30 - 2.44 (m, 4H), 2.45 - 2.47 (m, 1H), 2.95 - 3.05 (m, 1H), 3.31 - 3.33 (m, 1H), 3.40 (q, J=8.67Hz, 1H), 3.51 - 3.61 (m, 2H), 7.09 (dd, J=8.60, 1.54Hz, 1H), 7.28 (d, J=1.10Hz, 1H), 7.46 (d, J=8.16Hz, 1H), 9.44 (s, 1H)	499	497	AUX-H Without using	Dimethyl 4-oxo-cyclopentane-trans-1,2-dicarboxylate was used as a material.
A-113		(400 MHz, DMSO-d ₆) 0.40 (d, J=3.09 Hz, 2H), 0.78 (dd, J=8.16, 1.76Hz, 2H), 0.85 (dd, J=6.51, 4.08Hz, 6H), 1.30 (t, J=6.84Hz, 2H), 1.41 (td, J=9.32, 5.15Hz, 1H), 1.48 - 1.55 (m, 1H), 1.83 (t, J=10.59Hz, 2H), 2.02 (dt, J=30.80, 8.66Hz, 2H), 2.27 (d, J=6.62Hz, 3H), 2.37 (tt, J=17.53, 6.40Hz, 4H), 2.98 (t, J=7.83Hz, 1H), 3.38 (t, J=9.26Hz, 2H), 3.51 - 3.63 (m, 2H), 7.10 (d, J=7.94Hz, 1H), 7.28 (s, 1H), 7.47 (d, J=6.62Hz, 1H), 9.46 (s, 1H)	499	497	AUX-H Without using	Dimethyl 4-oxo-cyclopentane-trans-1,2-dicarboxylate was used as a material. Diastereomer of A-112

Fig. 33

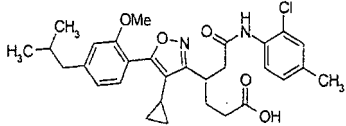
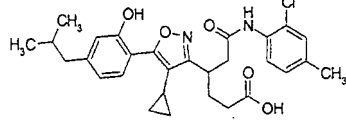
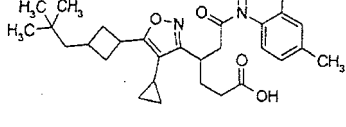
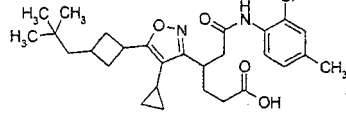
Exam ple	Structure	NMR	MS		Stereochemistry of AUX-H	Materials or Stereochemistry
			M+H	M-H		
C-5		(400 MHz, CDCl ₃) 0.12 - 0.20 (m, 1H), 0.25 - 0.33 (m, 1H), 0.61 - 0.75 (m, 2H), 0.93 (d, J=6.80Hz, 6H), 1.51 - 1.62 (m, 1H), 1.84 - 1.98 (m, 1H), 2.10 - 2.34 (m, 2H), 2.27 (s, 3H), 2.44 - 2.56 (m, 2H), 2.51 (d, J=7.20Hz, 2H), 2.81 (dd, J=14.40, 5.60Hz, 1H), 3.10 (dd, J=14.40, 9.20Hz, 1H), 3.69 - 3.82 (m, 1H), 3.77 (s, 3H), 6.73 (s, 1H), 6.79 (d, J=8.00, 1H), 7.02 (d, J=8.40Hz, 1H), 7.14 (s, 1H), 7.27 (d, J=8.00Hz, 1H), 7.89 (s, 1H), 8.09 (d, J=8.40Hz, 1H)	539	537	(R)	-
C-6		(400 MHz, CDCl ₃) 0.25 - 0.35 (m, 1H), 0.44 - 0.54 (m, 1H), 0.82 - 0.99 (m, 2H), 0.92 (d, J=6.80Hz, 6H), 1.58 - 1.69 (m, 1H), 1.83 - 1.96 (m, 1H), 2.12 - 2.32 (m, 2H), 2.27 (s, 3H), 2.40 - 2.53 (m, 2H), 2.46 (d, J=6.80Hz, 2H), 2.81 (dd, J=14.40, 5.20Hz, 1H), 3.09 (dd, J=14.40, 9.20Hz, 1H), 3.76 - 3.87 (m, 1H), 6.78 (d, J=8.00Hz, 1H), 6.81 (s, 1H), 7.02 (d, J=8.40Hz, 1H), 7.14 (s, 1H), 7.50 (d, J=8.40Hz, 1H), 7.78 (s, 1H), 8.08 (d, J=8.80Hz, 1H)	525	523	(R)	-
A-114		(400 MHz, CDCl ₃) 0.38 - 0.46 (m, 1H), 0.49 - 0.56 (m, 1H), 0.80 - 0.85 (m, 2H), 0.86 (s, 9H), 1.38 (d, J=5.10Hz, 2H), 1.41 (tt, J=6.50, 1.70Hz, 1H), 1.96 - 2.23 (m, 4H), 2.32 (s, 3H), 2.35 - 2.45 (m, 5H), 2.79 (dd, J=14.80, 5.70Hz, 1H), 3.03 (dd, J=15.00, 8.80Hz, 1H), 3.51 (ddd, J=18.00, 10.10, 7.30Hz, 1H), 3.66 (dt, J=14.70, 6.50Hz, 1H), 7.33 (dd, J=7.50, 2.00Hz, 1H), 7.35 (d, J=1.80Hz, 1H), 7.96 (s, 1H), 8.05 (d, J=8.20Hz, 1H)	492	490	(R)	-
A-115		(400 MHz, CDCl ₃) 0.35 - 0.42 (m, 1H), 0.44 - 0.49 (m, 1H), 0.78 - 0.91 (m, 1H), 1.31 - 1.40 (m, 3H), 1.91 - 2.22 (m, 4H), 2.27 (s, 3H), 2.31 - 2.46 (m, 5H), 2.74 (dd, J=14.19, 5.12Hz, 1H), 2.95 - 3.06 (m, 1H), 3.45 - 3.54 (m, 1H), 3.60 - 3.67 (m, 1H), 7.02 (d, J=8.37Hz, 1H), 7.13 (s, 1H), 7.78 (s, 1H), 8.06 (d, J=8.37Hz, 1H)	501	499	(S)	-

Fig. 34

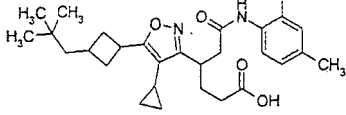
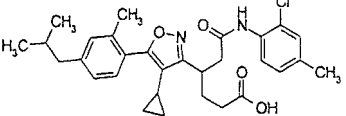
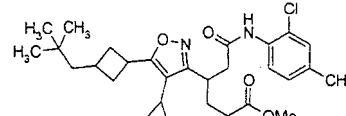
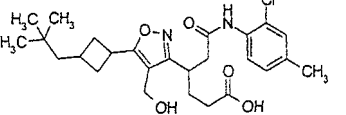
Example	Structure	NMR	MS		Stereochemistry of AUX-H	Materials or Stereochemistry
			M+H	M-H		
B-5		(400 MHz, CDCl ₃) 0.31 - 0.38 (m, 1H), 0.40 - 0.48 (m, 1H), 0.78 - 0.89 (m, 1H), 1.31 - 1.39 (m, 1H), 1.44 (d, J=6.98Hz, 2H), 2.00 - 2.22 (m, 4H), 2.27 (s, 3H), 2.32 - 2.51 (m, 4H), 2.63 - 2.80 (m, 2H), 2.97 - 3.08 (m, 1H), 3.59 - 3.69 (m, 2H), 7.02 (d, J=8.37Hz, 1H), 7.13 (s, 1H), 7.80 (s, 1H), 8.07 (d, J=8.37Hz, 1H)	501	499	(S)	-
C-7		(400 MHz, CDCl ₃) 0.10 - 0.20 (m, 1H), 0.22 - 0.32 (m, 1H), 0.65 - 0.79 (m, 2H), 0.92 (d, J=7.20Hz, 6H), 1.49 - 1.60 (m, 1H), 1.82 - 1.96 (m, 1H), 2.10 - 2.38 (m, 2H), 2.21 (s, 3H), 2.28 (s, 3H), 2.41 - 2.57 (m, 2H), 2.48 (d, J=8.00Hz, 2H), 2.83 (dd, J=14.00, 5.60 Hz, 1H), 3.09 (dd, J=14.00, 9.20Hz, 1H), 3.70 - 3.81 (m, 1H), 6.98 - 7.07 (m, 3H), 7.14 (s, 1H), 7.23 (d, J=7.60Hz, 1H), 7.86 (s, 1H), 8.09 (d, J=8.40Hz, 1H)	523	521	(R)	-
A-116		(400 MHz, CDCl ₃) 0.36 - 0.41 (m, 1H), 0.44 - 0.49 (m, 1H), 0.80 - 0.85 (m, 2H), 0.87 (s, 9H), 1.32 - 1.39 (m, 3H), 1.94 - 2.18 (m, 4H), 2.27 (s, 3H), 2.32 - 2.44 (m, 5H), 2.72 (dd, J=14.40, 5.60Hz, 1H), 3.00 (dd, J=14.40, 9.60Hz, 1H), 3.45 - 3.54 (m, 1H), 3.56 - 3.63 (m, 1H), 3.65 (s, 3H), 7.02 (dd, J=8.40, 1.60 Hz, 1H), 7.14 (d, J=1.20Hz, 1H), 7.73 (s, 1H), 8.09 (d, J=8.40Hz, 1H)	515	513	(R)	-
A-117		(400 MHz, CDCl ₃) 0.85 (s, 9H), 1.37 (d, J=6.40Hz, 2H), 2.00 - 2.07 (m, 3H), 2.18 (dt, J=20.10, 6.90Hz, 1H), 2.26 (s, 3H), 2.32 - 2.49 (m, 5H), 2.87 (dd, J=14.40, 4.50Hz, 1H), 3.02 (dd, J=15.10, 10.90Hz, 1H), 3.43 - 3.52 (m, 1H), 3.55 - 3.62 (m, 1H), 4.45 (dd, J=20.00, 12.90Hz, 2H), 6.98 (d, J=8.60Hz, 1H), 7.12 (s, 1H), 7.71 (s, 1H), 7.91 (d, J=8.40Hz, 1H)	491	489	(R)	-

Fig. 35

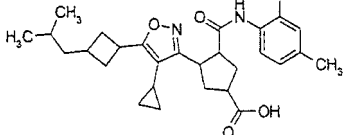
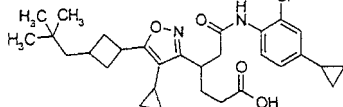
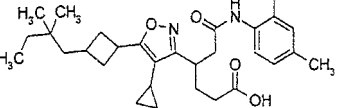
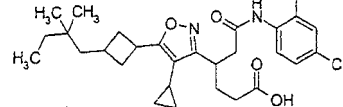
Exam ple	Structure	NMR	MS		Stereochemistry of AUX-H	Materials or Stereochemistry
			M+H	M-H		
A-118		(400 MHz, DMSO-d6) 0.39 (s, 2H), 0.78 (dd, J=8.27, 2.10Hz, 2H), 0.85 (dd, J=6.51, 4.08Hz, 6H), 1.30 (t, J=6.84Hz, 2H), 1.39 (t, J=5.29Hz, 1H), 1.48 - 1.55 (m, 1H), 1.82 - 1.87 (m, 2H), 1.98 - 2.09 (m, 2H), 2.27 (d, J=6.84Hz, 3H), 2.33 - 2.41 (m, 4H), 2.97 - 3.01 (m, 1H), 3.38 - 3.42 (m, 2H), 3.51 - 3.59 (m, 2H), 7.08 - 7.11 (m, 1H), 7.28 (s, 1H), 7.46 - 7.48 (m, 1H), 9.44 (s, 1H), 12.27 (br s, 1H) -	499	497	AUX-H Without using	Dimethyl 4-oxo-cyclopentane-trans-1,2-dicarboxylate was used as a material Mixture of Enantiomer of A-112 and Enantiomer of A-113
A-119		(400 MHz, CDCl3) 0.36 - 0.47 (m, 2H), 0.60 - 0.64 (m, 2H), 0.80 - 0.95 (m, 13H), 1.32 - 1.39 (m, 3H), 1.77 - 1.84 (m, 1H), 1.96 - 2.16 (m, 4H), 2.36 - 2.39 (m, 5H), 2.74 (dd, J=14.22, 5.18Hz, 1H), 3.01 (dd, J=14.11, 9.70Hz, 1H), 3.47 - 3.52 (m, 1H), 3.64 (s, 1H), 6.91 (dd, J=8.60, 1.98Hz, 1H), 7.02 (d, J=1.98Hz, 1H), 7.82 (s, 1H), 8.03 (d, J=8.60Hz, 1H)	527	525	(R)	-
A-120		(400 MHz, DMSO-d6) 0.34 - 0.42 (m, 1H), 0.42 - 0.54 (m, 1H), 0.67 - 0.86 (m, 13H), 1.13 - 1.22 (m, 2H), 1.28 - 1.36 (m, 2H), 1.36 - 1.46 (m, 1H), 1.78 - 1.97 (m, 2H), 2.11 - 2.23 (m, 2H), 2.23 - 2.29 (m, 3H), 2.29 - 2.42 (m, 2H), 2.61 - 2.88 (m, 3H), 3.40 - 3.47 (m, 1H), 3.47 - 3.59 (m, 1H), 7.07 (d, J=52.34Hz, 1H), 7.27 (brs, 1H), 7.42 (d, J=40.01Hz, 1H), 9.42 (brs, 1H), 12.03 (brs, 1H)	515	513	(R)	-
A-121		(400 MHz, DMSO-d6) 0.33 - 0.44 (m, 1H), 0.44 - 0.55 (m, 1H), 0.71 - 0.86 (m, 11H), 1.12 - 1.24 (m, 2H), 1.27 - 1.35 (m, 2H), 1.35 - 1.47 (m, 1H), 1.80 - 1.95 (m, 4H), 2.12 - 2.22 (m, 2H), 2.22 - 2.30 (m, 3H), 2.29 - 2.44 (m, 3H), 2.62 - 2.89 (m, 2H), 3.38 - 3.63 (m, 2H), 6.87 - 6.98 (m, 1H), 7.00 - 7.09 (m, 1H), 7.53 - 7.66 (m, 1H), 9.66 (brs, 1H)	499	497	(R)	-

Fig. 36

Exam ple	Structure	NMR	MS		Stereoch emistry of AUX- H	Materials or Stereoch emistry
			M+H	M-H		
A-122		(400 MHz, DMSO-d6) 0.71 - 0.85 (m, 9H), 1.12 - 1.22 (m, 2H), 1.29 - 1.38 (m, 2H), 1.84 - 2.02 (m, 4H), 2.14 - 2.24 (m, 2H), 2.24 - 2.30 (m, 3H), 2.37 - 2.48 (m, 3H), 2.75 - 2.88 (m, 2H), 3.40 - 3.51 (m, 1H), 3.62 - 3.79 (m, 1H), 7.06 - 7.14 (m, 1H), 7.29 (brs, 1H), 7.40 - 7.48 (m, 1H), 9.53 (brs, 1H), 12.13 (brs, 1H)	543	541	(R)	-
A-123		(400 MHz, CDCl3) 0.85 (s, 9H), 1.37 (d, J=6.30Hz, 2H), 2.01 - 2.21 (m, 4H), 2.26 (s, 3H), 2.31 - 2.50 (m, 5H), 2.76 (dd, J=15.10, 5.30Hz, 1H), 2.96 (dd, J=14.07, 8.80Hz, 1H), 3.48 - 3.62 (m, 2H), 6.66 (t, J=54.70Hz, 1H), 7.01 (d, J=8.80Hz, 1H), 7.13 (s, 1H), 7.61 (s, 1H), 8.07 (d, J=8.10Hz, 1H)	511	509	(R)	-
A-124		(400 MHz, CDCl3) 0.50 - 0.51 (m, 1H), 0.83 - 0.85 (m, 1H), 0.87 (s, 9H), 0.96 - 0.98 (m, 2H), 1.46 - 1.51 (m, 3H), 2.12 - 2.14 (m, 2H), 2.21 - 2.45 (m, 8H), 2.58 - 2.68 (m, 2H), 2.80 (dd, J=13.56, 4.74Hz, 1H), 3.00 - 3.06 (m, 1H), 3.56 - 3.57 (m, 1H), 4.75 - 4.79 (m, 1H), 6.79 (t, J=10.37Hz, 2H), 7.76 (t, J=8.16Hz, 1H), 8.08 (s, 1H)	485	483	(R)	-
C-8		(400 MHz, CDCl3) 0.29 - 0.40 (m, 1H), 0.60 - 0.70 (m, 1H), 0.75 - 0.92 (m, 2H), 0.98 (s, 9H), 1.48 - 1.58 (m, 2H), 1.63 - 1.73 (m, 1H), 2.09 - 2.32 (m, 2H), 2.26 (s, 3H), 2.32 - 2.49 (m, 2H), 2.59 - 2.70 (m, 2H), 2.85 (dd, J=14.00, 4.80Hz, 1H), 3.12 (dd, J=14.00, 10.00Hz, 1H), 3.58 - 3.68 (m, 1H), 7.00 (d, J=8.40Hz, 1H), 7.11 (s, 1H), 7.29 (d, J=8.40Hz, 2H), 7.38 (d, J=8.40Hz, 2H), 7.75 (s, 1H), 7.97 (d, J=8.40Hz, 1H)	537	535	(R)	-

Fig. 37

Example	Structure	NMR	MS		Stereochemistry of AUX-H	Materials or Stereochemistry
			M+H	M-H		
C-9		(400 MHz, CDCl ₃) 0.30 - 0.39 (m, 1H), 0.60 - 0.69 (m, 1H), 0.74 - 0.98 (m, 2H), 0.93 (s, 9H), 1.64 - 1.75 (m, 1H), 2.11 - 2.31 (m, 2H), 2.26 (s, 3H), 2.32 - 2.49 (m, 2H), 2.57 (s, 2H), 2.86 (dd, J=13.60, 4.80 Hz, 1H), 3.12 (dd, J=13.60, 10.00 Hz, 1H), 3.58 - 3.70 (m, 1H), 7.00 (d, J=8.00 Hz, 1H), 7.11 (s, 1H), 7.23 (d, J=8.00 Hz, 2H), 7.38 (d, J=8.00 Hz, 2H), 7.76 (s, 1H), 7.97 (d, J=8.00 Hz, 1H)	523	521	(R)	-
A-125		(400 MHz, DMSO-d ₆) 0.41 - 0.55 (m, 1H), 0.74 - 0.86 (m, 11H), 0.66 - 0.99 (m, 2H), 1.16 - 1.25 (m, 2H), 1.35 - 1.43 (m, 2H), 1.47 - 1.61 (m, 1H), 1.82 - 1.96 (m, 2H), 2.00 - 2.19 (m, 5H), 2.19 - 2.30 (m, 3H), 2.56 - 2.85 (m, 4H), 4.79 - 4.97 (m, 1H), 7.02 - 7.12 (m, 1H), 7.22 - 7.28 (m, 1H), 7.32 - 7.39 (m, 1H), 9.20 - 9.40 (m, 1H), 11.86 - 12.09 (m, 1H)	515	513	(R)	-
A-126		(400 MHz, DMSO-d ₆) 0.72 - 0.84 (m, 11H), 1.16 - 1.28 (m, 2H), 1.35 - 1.43 (m, 2H), 1.87 - 2.01 (m, 2H), 2.01 - 2.12 (m, 1H), 2.18 - 2.37 (m, 5H), 2.59 - 2.73 (m, 2H), 2.73 - 2.98 (m, 2H), 3.42 - 3.55 (m, 1H), 4.80 - 5.00 (m, 1H), 7.03 - 7.10 (m, 1H), 7.23 - 7.28 (m, 1H), 7.32 - 7.42 (m, 1H), 9.38 - 9.54 (m, 1H), 12.05 (brs, 1H)	543	541	(R)	-
A-127		(400 MHz, DMSO-d ₆) 0.42 - 0.56 (m, 1H), 0.73 - 0.83 (m, 13H), 0.88 - 0.97 (m, 1H), 1.14 - 1.26 (m, 2H), 1.34 - 1.41 (m, 2H), 1.50 - 1.61 (m, 2H), 1.77 - 1.92 (m, 1H), 1.96 - 2.09 (m, 1H), 2.09 - 2.18 (m, 2H), 2.18 - 2.26 (m, 3H), 2.55 - 2.81 (m, 5H), 4.78 - 4.93 (m, 1H), 6.83 - 6.94 (m, 1H), 6.94 - 7.03 (m, 1H), 7.44 - 7.60 (m, 1H), 9.49 (brs, 1H), 11.98 (brs, 1H)	499	497	(R)	-

Fig. 38

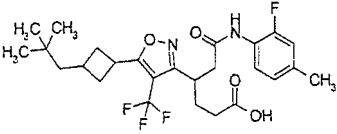
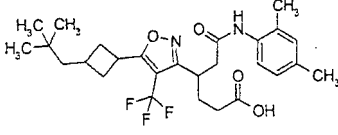
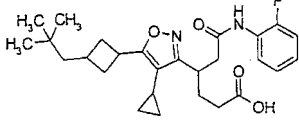
Exam ple	Structure	NMR	MS		Stereoc hemistr y of AU X-H	Materials or Stereoc hemistr y
			M+H	M-H		
A-128		(400 MHz, CDCl ₃) 0.85 (s, 9H), 1.35 (d, J=6.30Hz, 2H), 1.97 - 2.14 (m, 4H), 2.26 (s, 3H), 2.33 (t, J=7.40 Hz, 2H), 2.37 - 2.48 (m, 3H), 2.72 (dd, J=15.00, 5.90 Hz, 1H), 2.94 (dd, J=14.90, 8.60Hz, 1H), 3.52 - 3.65 (m, 2H), 6.83 (d, J=5.60Hz, 1H), 6.85 (s, 1H), 7.53 (s, 1H), 7.99 (t, J=8.10Hz, 1H)	513	511	(R)	-
A-129		(400 MHz, CDCl ₃) 0.86 (s, 9H), 1.37 (d, J=6.00Hz, 2H), 2.00 - 2.20 (m, 4H), 2.13 (s, 3H), 2.25 (s, 3H), 2.37 - 2.48 (m, 5H), 2.71 (dd, J=14.20, 6.00Hz, 1H), 2.95 (dd, J=14.20, 9.10Hz, 1H), 3.56 - 3.68 (m, 2H), 6.87 (s, 1H), 6.88 (d, J=8.80Hz, 1H), 7.13 (s, 1H), 7.49 (d, J=8.80Hz, 1H)	509	507	(R)	-
A-130		(400 MHz, CDCl ₃) 0.35 - 0.41 (m, 1H), 0.44 - 0.50 (m, 1H), 0.80 - 0.84 (m, 2H), 0.85 (s, 9H), 1.37 (d, J=5.80Hz, 2H), 1.93 - 2.21 (m, 4H), 2.30 - 2.44 (m, 5H), 2.74 (dd, J=14.20, 5.30Hz, 1H), 2.98 (dd, J=14.40, 9.30Hz, 1H), 3.49 (ddd, J=18.40, 9.60, 6.30Hz, 1H), 3.64 (ddd, J=14.30, 7.00, 5.60Hz, 1H), 6.97 - 7.09 (m, 3H), 7.72 (s, 1H), 8.17 (t, J=7.70Hz, 1H)	471	469	(R)	-

Fig. 39

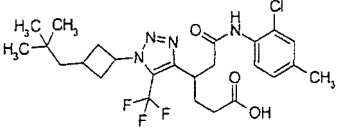
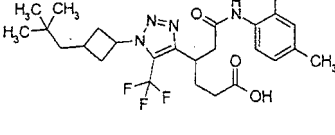
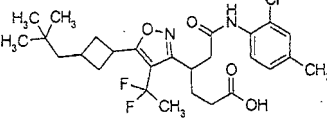
Exam ple	Structure	NMR	MS		Stereoc hemistr y of AU X-H	Materials or Stereoc hemistr y
			M+H	M-H		
A-131		(400 MHz, DMSO-d6) 0.80 - 0.92 (m, 9H), 1.34 - 1.46 (m, 2H), 1.81 - 2.02 (m, 2H), 2.02 - 2.17 (m, 2H), 2.17 - 2.38 (m, 6H), 2.59 - 2.76 (m, 2H), 2.76 - 2.94 (m, 2H), 3.39 - 3.55 (m, 1H), 4.80 - 5.01 (m, 1H), 7.02 - 7.13 (m, 1H), 7.21 - 7.30 (m, 1H), 7.32 - 7.41 (m, 1H), 9.32 - 9.54 (m, 1H), 11.92 - 12.23 (m, 1H)	529	527	(R)	-
A-132		(400 MHz, DMSO-d6) 0.80 - 0.89 (m, 9H), 1.84 - 1.98 (m, 2H), 2.03 - 2.15 (m, 2H), 2.18 - 2.34 (m, 6H), 2.58 - 2.68 (m, 2H), 2.79 - 2.86 (m, 2H), 3.36 - 3.50 (m, 3H), 4.83 - 4.94 (m, 1H), 6.84 - 6.93 (m, 1H), 6.97 - 7.05 (m, 1H), 7.36 - 7.65 (m, 1H), 9.45 - 9.73 (m, 1H), 11.94 - 12.15 (m, 1H)	513	511	(R)	-
A-133		(400 MHz, CDCl3) 0.85 (s, 9H), 1.36 (d, J=6.00Hz, 2H), 1.86 (t, J=18.50Hz, 3H), 1.97 - 2.17 (m, 4H), 2.26 (s, 3H), 2.34 - 2.46 (m, 5H), 2.71 (dd, J=14.70, 5.30Hz, 1H), 3.00 (dd, J=14.07, 9.10Hz, 1H), 3.50 - 3.60 (m, 2H), 7.00 (d, J=7.90Hz, 1H), 7.13 (s, 1H), 7.58 (brs, 1H), 8.06 (d, J=8.60Hz, 1H)	525	523	(R)	-

Fig. 40

Exam ple	Structure	NMR	MS		Stereoc hemistr y of AU X-H	Materials or Stereoc hemistr y
			M+H	M-H		
A-134		(400 MHz, CDCl3) 0.85 (s, 9H), 1.36 (d, J=5.30Hz, 2H), 1.87 (t, J=18.50Hz, 3H), 1.97 - 2.16 (m, 4H), 2.27 (s, 3H), 2.34 - 2.46 (m, 5H), 2.71 (dd, J=14.80, 5.20Hz, 1H), 2.97 (dd, J=14.70, 9.50Hz, 1H), 3.50 - 3.61 (m, 2H), 6.83 - 6.87 (m, 2H), 7.38 (brs, 1H), 7.98 (t, J=8.50Hz, 1H)	509	507	(R)	—
A-135		(400 MHz, CDCl3) 0.37 - 0.49 (m, 2H), 0.81 - 0.87 (m, 2H), 0.81 (s, 9H), 1.31 - 1.36 (m, 1H), 1.38 (d, J=7.50Hz, 2H), 2.02 - 2.15 (m, 7H), 2.37 - 2.42 (m, 5H), 2.75 (dd, J=14.34, 5.07Hz, 1H), 3.02 (dd, J=14.34, 9.48Hz, 1H), 3.45 - 3.52 (m, 1H), 3.62 - 3.63 (m, 1H), 7.12 (d, J=7.50Hz, 1H), 7.86 (s, 1H), 8.03 (d, J=11.47Hz, 1H)	519	517	(R)	—
A-136		(400 MHz, CDCl3) 0.85 (s, 9H), 1.38 (d, J=6.40Hz, 2H), 2.04 - 2.12 (m, 4H), 2.28 (s, 3H), 2.37 - 2.48 (m, 5H), 2.78 (dd, J=15.00, 5.51Hz, 1H), 2.95 (dd, J=14.89, 9.15Hz, 1H), 3.55 - 3.59 (m, 2H), 6.71 (t, J=5.65Hz, 1H), 6.83 - 6.87 (m, 2H), 7.56 (brs, 1H), 7.98 (t, J=8.38Hz, 1H)	495	493	(R)	—

Fig. 41

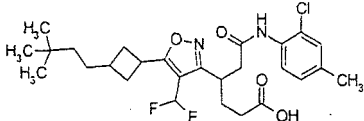
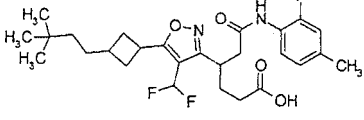
Exam ple	Structure	NMR	MS		Stereoc hemistr y of AU X-H	Materials or Stereoc hemistr y
			M+H	M-H		
A-137		(400 MHz, CDCl3) 0.85 (s, 9H), 1.03 - 1.07 (m, 2H), 1.34 - 1.40 (m, 2H), 1.92 - 2.02 (m, 2H), 2.05 - 2.20 (m, 3H), 2.26 (s, 3H), 2.34 - 2.45 (m, 4H), 2.76 (d, J=15.10, 5.30Hz, 1H), 2.97 (dd, J=15.20, 8.50Hz, 1H), 3.48 - 3.61 (m, 2H), 6.67 (t, J=54.50Hz, 1H), 7.01 (d, J=8.40Hz, 1H), 7.13 (s, 1H), 7.62 (s, 1H), 8.07 (d, J=8.40Hz, 1H)	525	523	(R)	-
A-138		(400 MHz, CDCl3) 0.85 (s, 9H), 1.03 - 1.07 (m, 2H), 1.34 - 1.40 (m, 2H), 1.93 - 2.22 (m, 5H), 2.27 (s, 3H), 2.36 - 2.46 (m, 4H), 2.75 (dd, J=14.90, 5.60Hz, 1H), 2.93 (dd, J=15.00, 9.00 Hz, 1H), 3.49 - 3.63 (m, 2H), 6.67 (t, J=54.50Hz, 1H), 6.77 (s, 1H), 6.86 (d, J=16.70Hz, 1H), 7.41 (s, 1H), 8.00 (t, J=8.30Hz, 1H)	509	507	(R)	-

Fig. 42

Example	in vitro EC50(μM)	
	LUC	
	Human	Mouse
A-1	0.024	0.024
A-2	0.053	0.042
A-3	0.055	0.051
A-4	0.058	0.044
A-5	0.13	0.11
A-6	0.25	0.14
A-7	0.064	0.041
A-8	0.33	0.20
A-9	0.39	0.23
A-10	0.033	0.025
A-11	0.029	0.032
A-12	0.094	0.060
A-13	0.018	0.016
A-14	0.088	0.067
A-15	0.32	0.41
A-16	0.055	0.040
A-17	0.064	0.054
A-18	0.072	0.046
A-19	0.037	0.018
A-20	0.020	0.039
A-21	0.034	0.049
A-22	0.088	0.096
A-23	0.079	0.064
A-24	0.020	0.032
A-25	0.098	0.054
A-26	0.065	0.039
A-27	0.094	0.098
A-28	0.097	0.050

Fig. 43

Example	in vitro EC50(μM)	
	LUC	
	Human	Mouse
A-29	0.060	0.030
A-30	0.16	0.097
A-31	0.26	0.21
A-32	0.046	0.042
A-33	0.78	0.72
A-34	>3.2	0.48
A-35	1.8	1.1
A-36	0.063	0.039
A-37	0.10	0.076
A-38	0.26	0.083
A-39	0.021	0.036
A-40	0.23	0.095
A-41	>3.2	2.0
A-42	0.25	0.098
A-43	0.088	0.057
A-44	0.12	0.12
A-45	0.42	0.14
A-46	0.092	0.087
A-47	0.27	0.12
A-48	0.064	0.049
A-49	1.2	0.23
A-50	0.17	0.12
A-51	0.11	0.069
A-52	0.54	0.53
A-53	0.033	0.037
A-54	0.065	0.086
A-55	0.063	0.094
A-56	0.092	0.056

Fig. 44

Example	in vitro EC50(μM)	
	LUC	
	Human	Mouse
A-57	0.044	0.028
A-58	0.024	0.034
A-59	0.029	0.034
A-60	0.024	0.040
A-61	0.96	0.95
A-62	0.081	0.080
A-63	0.21	0.056
A-64	0.077	0.027
A-65	0.11	0.15
A-66	0.053	0.036
A-67	0.043	0.026
A-68	0.077	0.055
A-69	0.17	0.13
A-70	0.10	0.076
A-71	0.39	0.14
A-72	0.058	0.049
A-73	0.66	0.18
A-74	1.1	0.50
A-75	0.027	0.039
A-76	0.045	0.043
A-77	0.057	0.031
A-78	0.030	0.016
A-79	0.041	0.050
A-80	0.16	0.13
A-81	1.1	0.84
A-82	0.071	0.065
A-83	0.53	0.19
B-1	0.025	0.037

Fig. 45

Example	in vitro EC50(μM)	
	LUC	
	Human	Mouse
B-2	0.087	0.14
A-84	0.052	0.040
A-85	0.029	0.047

Fig. 46

Example	in vitro EC50(μ M)	
	LUC	
	Human	Mouse
A-86	0.089	0.089
A-87	0.60	0.71
A-88	>3.2 (82%)	2.9
A-89	0.65	0.12
B-3	0.048	0.060
B-4	0.32	0.34
C-1	0.044	0.032
C-2	0.27	0.26
D-1	0.073	0.052
D-2	0.21	0.31
A-90	0.026	0.032
A-91	0.017	0.026
A-92	>20 (85%)	>20 (99%)
A-93	0.024	0.024
A-94	0.018	0.011
D-3	0.091	0.056
D-4	0.22	0.18
C-3	0.68	0.11
C-4	0.12	0.24
A-95	0.035	0.026
A-96	0.021	0.028
A-97	0.029	0.047
A-98	0.39	0.50
A-99	0.019	0.026
A-100	0.029	0.042

Fig. 47

Example	in vitro EC50(μ M)	
	LUC	
	Human	Mouse
A-101	0.017	0.025
A-102	0.027	0.037
D-5	0.032	0.022
D-6	0.21	0.39
A-103	0.022	0.048
A-104	>8 (79%)	>8 (82%)
A-105	3.2	0.92
A-106	>8 (82%)	>8 (92%)
A-107	0.10	0.054
A-108	0.17	0.16
A-109	0.13	0.12
A-110	0.065	0.045
A-111	0.022	0.031
A-112	>8 (62%)	1.9
A-113	0.076	0.11
C-5	5.6	1.6
C-6	0.23	0.078
A-114	0.021	0.025
A-115	1.2	0.36
B-5	2.4	0.40
C-7	2.0	0.82
A-116	0.024	0.018
A-117	0.067	0.040
A-118	0.48	0.19
A-119	0.061	0.072

Fig. 48

Example	in vitro EC50(μ M)	
	LUC	
	Human	Mouse
A-120	0.014	0.022
A-121	0.011	0.017
A-122	0.028	0.030
A-123	0.024	0.020
A-124	0.019	0.022
C-8	0.25	0.059
C-9	0.020	0.019
A-125	0.0099	0.017
A-126	0.014	0.018
A-127	0.013	0.021
A-128	0.11	0.046
A-129	0.051	0.038
A-130	0.019	0.014
A-131	0.022	0.021
A-132	0.053	0.030
A-133	not tested	not tested
A-134	not tested	not tested
A-135	not tested	not tested
A-136	not tested	not tested
A-137	not tested	not tested
A-138	not tested	not tested

 Industria y Comercio SUPERINTENDENCIA		PLANILLA DE RADICACIÓN - DIGITALIZACIÓN DIARIA RELACIÓN DE ANEXOS	
Dependencia: 2020		Fecha: 13 / 10 / 20 AAAA MM DD	Recorrido: 3
Tipo de Radicación: Entrada: ☒ Salida: ☐ Traslado: ☐ Convenio: ☐			
Radicador:			Planilla:

ID	No. Radicación	Consecutivo	Item
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Item	Unidad de Conservación
1	Bolsa
2	Caja
3	Libro
4	Sobre
5	Tomo
6	Otro
Item	Soporte Documental
☒	CD
8	Disquete
9	DVD
10	Folleto
11	Foto
12	Periódico
13	Plano
14	Publicación Periódica
15	USB
16	Otro

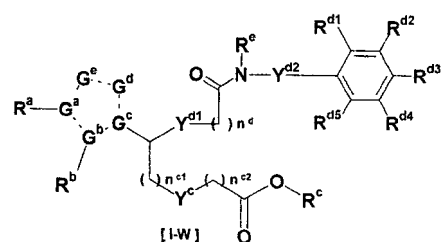
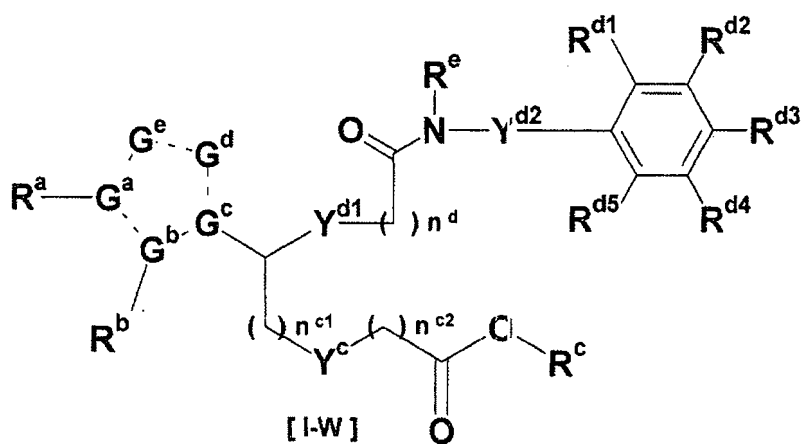
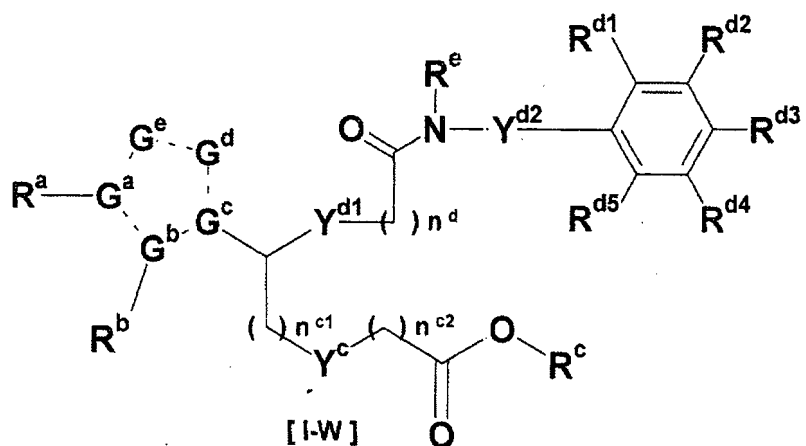
Observaciones:

El CO Anexo Contiene un total de 7 Archivos.
7 en formato pdf, los cuales fueron procesados
Folio 157 CO.

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Industria y Comercio
SUPERINTENDENCIA

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO

DIVISION DE NUEVAS CREACIONES

TARJETA ARCHIVO PROPIETARIOS

PATENTE DE INVENCION _____ PCT X MODELO DE UTILIDAD _____ DISEÑO INDUSTRIAL _____

(21) No. de solicitud

(51) Clasificación internacional

(22) Fecha de solicitud

(71) Solicitante (s)

JAPAN TOBACCO INC.

(72) Inventor (es)

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(74) Apoderado

DRA. MARGARITA CASTELLANOS ABONDANO

(30) Prioridad	(31)	No. Prioridad	(32)	Fecha	(33)	País
		2011-100331		2011-04-28		JP
		61/482418		2011-05-04		US

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(86) Datos relativos a la presentación de la solicitud PCT

Fecha de presentación de la solicitud: 27/04/2012

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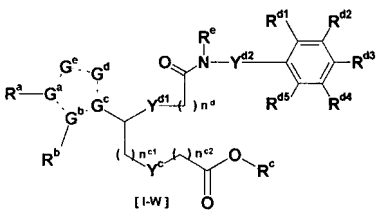
COMPUESTO DE AMIDA Y APLICACIÓN FARMACEUTICA PARA EL MISMO

	EXTRACTO PARA PUBLICACIÓN ___ Patente de Invención ___ Patente modelo de utilidad <u>X</u> PCT
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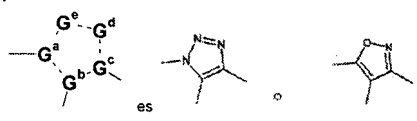
(21) No. De solicitud	(51) int. Cl:
(22) Fecha de solicitud	(71) Solicitante (s) JAPAN TOBACCO INC.
(30) Prioridad	(72) Interventor (es) TAKAKI MAEBA KATSUYA MAEDA MASAYUKI KOTOKU Y OTROS
(31) No. Prioridad 2011-100331 61/482418	
(32) Fecha 28/04/2011 04/05/2011	
(33) País JP - USA	(74) Apoderado (s) DRA. MARGARITA CASTELLANOS ABONDANO
(54) Título COMPUESTO DE AMIDA Y APLICACION FARMACEUTICA PARA EL MISMO	
Las casillas identificadas con 85, 86 y 87 sólo aplican para PCT	
(85) Fecha limite inicio Fase Nacional	
(86) Datos relativos a la presentación de la solicitud PCT Fecha de presentación de la solicitud 27/04/2012 No. de solicitud PCT/JP2012/061352	(87) Publicación internacional Fecha 01/11/2012 No. Publicación WO2012/147916

Resumen reivindicación (es):

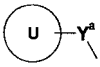
1. .- Un compuesto de fórmula [I-W]



en donde:



R^a es (1) grupo alquilo C₅₋₁₂ que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A, o

(2)  en donde

Y^a es (i) enlace sencillo o (ii) grupo alquileo C₁₋₆, la porción cíclica U es (i) grupo cicloalquilo C₃₋₇ que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A, (ii) grupo cicloalquilo C₅₋₁₁ espirocíclico, que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A o (iii) grupo arilo C₆₋₁₀ que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A; R^b es un grupo seleccionado de los siguientes (1) a (3): (1) grupo alquilo C₁₋₃ que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A, (2) grupo alquileo C₂₋₃ que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A, (3) grupo cicloalquilo C₃₋₇ que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A; R^c es (1) átomo de hidrógeno o (2) grupo alquilo C₁₋₆; Y^c es un grupo seleccionado de los siguientes (1) a (7): (1) enlace sencillo, (2) grupo alquileo C₁₋₆ que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A, (3) -NR^{C1}-, en donde R^{C1} es átomo de hidrógeno o grupo alquilo C₁₋₆, (4) -O-, (5) grupo cicloalquileo C₃₋₁₀ que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A, (6) grupo arileno C₆₋₁₀ que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A, (7) grupo heteroaromático monocíclico que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A en donde el anillo heteroaromático monocíclico consiste de átomos de carbono y 1 a 4 heteroátomos iguales o diferentes seleccionados de átomo de nitrógeno, átomo de oxígeno y átomo de azufre, y es de 3 a 7 miembros; Y^{d1} es (1) enlace sencillo o (2) grupo alquileo C₁₋₆ que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A; o en forma alternativa, tanto Y^c como Y^{d1} pueden ser metino y pueden estar enlazados entre sí de forma directa, o por medio de grupo alquileo C₁₋₄ forman anillo de cicloalquilo C₃₋₇; Y^{d2} es (1) enlace sencillo o (2) grupo alquileo C₁₋₆; R^{d1}, R^{d2}, R^{d3}, R^{d4} y R^{d5} son un grupo igual o diferente seleccionado de los siguientes (1) a (7): (1) átomo de hidrógeno, (2) átomo de halógeno, (3) grupo alquilo C₁₋₆ que puede estar sustituido con 1 a 5 sustituyentes iguales o diferentes seleccionados del grupo A, (4) -OR^{d10}, en ...



No. 13-253890- -00000-0000

Fecha: 2013-10-25 14:56:24 Dep. 2020 DIR.NUEVASCR
Tra. 11 PATENTEIYII Eve: 378 FASENACIONALI
Act. 411 PRESENTACION Folios: 160



PATENTE DE INVENCION MODELO DE UTILIDAD Art 33 Decisión 486/00

Indicación que se solicita una patente.
Datos de identificación del solicitante o de la persona que presenta la solicitud
Descripción de la invención
Dibujos de ser estos pertinentes
Comprobante de pago de las tasas establecidas (De ser el caso formato de descuento)

Completa Incompleta

PATENTE DE INVENCION PCT X MODELO DE UTILIDAD PCT Art.33 Decisión 486/00, Circular Única

X Indicación que se solicita una PCT
X Copia de la solicitud en español, tal como fue presentada inicialmente (capítulo descriptivo, reivindicatorio, resumen)
X Dibujos de ser estos pertinentes
X Comprobante de pago de las tasas establecidas (de ser el caso formato de descuento)

Completa X Incompleta

DISEÑO INDUSTRIAL (Art. 119 Decisión 486/00)

Indicación que se solicita Diseño industrial
Datos de identificación del solicitante o de la persona que presenta la solicitud
Representación gráfica y fotográfica del Diseño industrial o muestra del material que incorpora el diseño

Comprobante de pago de las tasas establecidas

Completa Incompleta

ESQUEMA DE TRAZADO (Art. 92 Decisión 486/00)

Indicación que se solicita un esquema de trazado
Datos de identificación del solicitante o de la persona que presenta la solicitud
Representación gráfica de un esquema de trazado
Comprobante de pago de las tasas establecidas

Completa Incompleta