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Señores
SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO
DIVISIÓN DE NUEVAS CREACIONES
E. S.

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO
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Re: Expediente No. 05-085.226
Solicitud de patente de invención titulada: "COMPUESTOS AMINOHETEROARILOS COMO INHIBIDORES DE PROTEINQUINASAS"
Solicitante: SUGEN INC.
Nuestra Ref.: P2005/000114

RESPUESTA AL OFICIO No.10847 NOTIFICADO POR FIJACIÓN EN LISTA No. 288 DE FECHA 25 DE SEPTIEMBRE DE 2009
(PRIMER EXAMEN DE FONDO)

CARLOS R. OLARTE, mayor de edad y vecino de Bogotá, identificado tal como aparece al pie de mi firma, en mi carácter de apoderado de la sociedad solicitante, me permito manifestar lo siguiente ante el auto emanado por ese Despacho, dentro del plazo legal previsto en el artículo 45 de la Decisión 486, en los siguientes términos:

1. En primer lugar y con el ánimo de brindar mayor claridad a la materia reivindicada, me permito presentar un **Capítulo Reivindicatorio Modificado**, que reemplaza en su totalidad al Capítulo Reivindicatorio Modificado presentado al momento de radicar la solicitud.

Así entonces, el Capítulo Reivindicatorio Modificado contiene los siguientes cambios:

- Se eliminan las Reivindicaciones 2-3, 6-8, 10-33, 36-37 y 39-48;
- La Reivindicación 1 se limita drástica a las modalidades ilustradas por lo ejemplos, proporcionando una lista limitada para los grupos cobijados por los términos heteroarilo y arilo;
- Se elimina la opción de fusionar anillos en la Reivindicación 1;

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- R^1 y R^2 pueden ser únicamente H.

Para su inmediata referencia, adjunto un Capítulo Reivindicatorio en versión inglesa, con los cambios realizados marcados. Valga anotar que las modificaciones efectuadas al Capítulo Reivindicatorio cumplen a cabalidad con lo estipulado en el Artículo 34 de la Decisión 486, ya que éstas de ninguna manera implican una ampliación de la protección correspondiente a la divulgación contenida en la solicitud inicial.

2. a- El Examinador argumenta que las reivindicaciones son demasiado amplias porque comprenden un amplio número de sustituyentes no limitados como arilo, heteroarilo, heterociclo, cicloalquilo. Asimismo, el Examinador señala que las reivindicaciones pueden contener compuestos no soportados enteramente por la Descripción, como por ejemplo los hidratos y solvatos. Igualmente, el Examinador argumenta que las Reivindicaciones contienen errores tipográficos y que las Reivindicaciones 40-43 hacen referencia a tablas en la Descripción.

Finalmente, el Examinador argumenta que la presente invención carece de unidad de invención por cuanto comprenden compuestos estructuralmente no relacionados tales como piridinas, pirazinas, quinolinas, quinoxalinas e isoquinolinas y sugiere que las reivindicaciones se limiten a compuestos enteramente soportados, para los cuales se ha comprobado un efecto técnico común.

b- i) En relación con la amplitud de las reivindicaciones, me permito señalar que el Capítulo Reivindicatorio Modificado constituye una franca limitación de aquel presentado inicialmente. En el Capítulo Reivindicatorio Modificado los sustituyentes han sido limitados drásticamente a las opciones contempladas en los ejemplos y que permiten identificar con mayor facilidad el alcance de la invención. Adicionalmente, los grupos arilo y heteroarilo han sido limitados a una lista particular de arilos y heterociclos preferidos. Igualmente, se ha eliminado la opción que R^1 y R^2 se combinen para formar un anillo adicional, pues R^1 y R^2 ahora solo pueden ser hidrógeno.

Finalmente, los términos hidratos y solvatos han sido eliminados del Capitulo Reivindicatorio Modificado, a la vez que se han corregido errores menores de transcripción y se han eliminado las Reivindicaciones 40-43 que hacían referencia a tablas en la Descripción.

ii) En cuanto a la falta de unidad de invención, deseo señalar que el Capitulo Reivindicatorio Modificado ha sido limitado <u>únicamente</u> a compuestos de Formula I en los que Y es CR^{12} (Y no puede ser N y por lo tanto no puede ser pirazina) y R^1 y R^2 son H. De esta forma,

los compuestos reivindicados se limitan únicamente a compuestos de que presentan un núcleo 2-amino-piridina sustituido en la posición 3 por O-A[1], los cuales presentan un efecto técnico común, como se demuestra en las Tablas 5 y 6 del Capítulo Descriptivo.

3. a- El Examinador argumenta que las Reivindicaciones 44 y 48 no son patentables porque se encuentran dirigidas a métodos de tratamiento.

b- Considero superada la anterior objeción en tanto que las Reivindicaciones 44-48 han sido eliminadas del Capítulo Reivindicatorio Modificado.

3. a- El Examinador considera que las patentes WO98/37080 (D1) y US6313137 (D2), afectan la novedad de los compuestos de la presente invención que presentan un núcleo piridina.

El Examinador señala que D1 y D2 revelan derivados de imidazopiridinas útiles en el tratamiento de secreciones gástricas. Específicamente, D1 revela un intermediario que corresponde al 2-amino-3(2,6-dimetil)benciloxi-5-metil-piridina (Ejemplo 2.21). De otra parte, D2 revela el intermediario 6-amino-5-(2-etil-6-metilbenciloxi)nicotinamida (Ejemplo 2.27).

Así, el Examinador concluye que D1 y D2 destruyen la novedad de las presentes Reivindicaciones 1, 3, 4, 6, 12, 13, 15, 30 y 31.

b- En relación con el arte previo citado, me permito señalar que D1 y D2 no afectan la novedad de la materia reclamada en el Capítulo Reivindicatorio Modificado. Específicamente, el Ejemplo 2.21 de D1 no afecta la novedad de los compuestos reivindicados en tanto que R^1 en la presente invención, no puede ser alquilo. Adicionalmente, el Ejemplo 2.27 de D2 tampoco afecta la novedad de la presente invención, en tanto que R^1 en la presente invención no puede ser amida.

En este punto es importante recordar que para fundamentar una afectación válida contra la novedad de una invención, el arte previo debe divulgar explícitamente todas y cada una de las características de la invención.[1] Es más, el Tribunal Andino de Justicia ha determinado que para establecer una objeción de novedad válida, la divulgación del arte previa debe ser lo suficientemente completa para que una persona versada en la materia pueda usar dicha información para reproducir y explotar la invención.[2] En el presente caso, es claro que D1 o D2,

[1] Manual Andino de Patentes, OMPI 2004. ISBN9978-43-855-6. Sección 9.4.
[2] Proceso 06-IP-89 (http://intranet.comunidadandina.org/Documentos/Procesos/209-IP-2005.doc);

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al no revelar compuestos que presentan un núcleo 2-amino-piridina sustituido en la posición 3 por O-A^1, los cuales no presentan un grupo alquilo o amido en la posición 5 (R^1), no pueden afectar su novedad.

Ahora bien, debo también señalar que la búsqueda del estado de la técnica de anterioridades basada únicamente en la estructura molecular, sin considerar también los diferentes mecanismos de acción, no es representativa de la práctica realizada en el ámbito de la investigación farmacéutica. La persona versada en la técnica con la tarea de desarrollar fármacos con actividad inhibidora del crecimiento celular evidentemente enfocaría su investigación en el estudio estructural de agentes en el estado de la técnica con ese mecanismo de acción particular. Por esta razón, la persona versada en la técnica jamás consideraría relevante enseñanzas previas de cómo diseñar agentes con un mecanismo de acción diferente, como ocurre en el presente caso respecto de la materia revelada en D1 y D2, que enseñan compuestos imidazopiridinas (no piridinas sustituidas por O-A^1) con una actividad de inhibición de secreciones de ácidos gástricos.

4. Por todo lo anterior, considero que las objeciones presentadas por el Examinador en su examen de fondo No. 2934 han sido resueltas y por consiguiente solicito respetuosamente que el Despacho tenga por cumplidos los requisitos de patentabilidad, en tanto no se logró desvirtuar ninguno de ellos por parte del Despacho, y se proceda con la concesión de la patente.

Atentamente,

CARLOS R. OLARTE
C.C. No. 79.782.747 de Bogotá
T.P. 74.295

Anexos:

- Capítulo Reivindicatorio Modificado.
- Capítulo Reivindicatorio con control de cambios (en inglés) que evidencia las modificaciones realizadas.

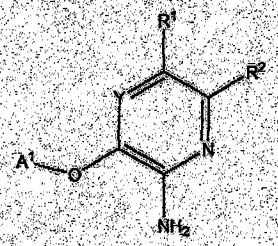
y Proceso 36-IP-2004 (http://www.notinet.com.co/serverfiles/servicios/archivos/30jul04/ca36-04.htm)

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CAPITULO REIVINDICATORIO MODIFICADO

(Primer Examen de Fondo)

1. Un compuesto de la formula 1



1

en donde:

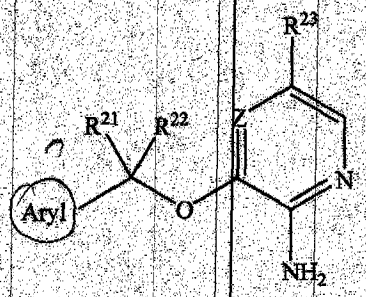
Y es CR^{12};

R^1 es seleccionado de fenilo, heterarilo de 5-12 miembros, cicloalquilo C_{3-12}, heteroalicíclico de 3-12 miembros; y cada hidrógeno en R^1 es opcionalmente substituido por uno o más grupos R^3;

R^2 es hidrogeno;

R^3 es halógeno, alquilo C_{1-12}, alquenilo C_{2-12}, alquinilo C_{2-12}, cicloalquilo C_{3-12}, fenilo, heteroalicíclico de 3-12 miembros, heteroarilo de 5-12 miembros, $-S(O)mR4$, $-SO_2NR^4R^5$, $-S(O)_2OR^4$, $-NO_2$, $-NR^4R^5$, $-(CR^6R^7)nOR^4$, $-CN$, $-C(O)R^4$, $-OC(O)R^4$, $-O(CR^6R^7)nR4$, $-NR^4C(O)R^5$, $-(CR^6R^7)nC(O)OR^4$, $-C(=NR^6)NR^4R^5$, $-NR^4C(O)NR^5R^6$, $-NR^4S(O)pR^5$ o $-C(O)NR^4R^5$, cada hidrógeno en R^3 es opcionalmente sustituido por uno o más grupos R^8, y grupos los R^3 sobre átomos adyacentes se pueden combinar para formar un fenilo, heteroarilo de 5-12 miembros, cicloalquilo C_{3-12} o grupo heteroalicíclico de 3-12 miembros;

cada uno de R^4, R^5, R^6 y R^7 es independientemente hidrógeno, halógeno, alquilo C_{1-12}, alquenilo C_{2-12}, alquinilo C_{2-12}, cicloalquilo C_{3-12}, fenilo, heteroalicíclico de 3-12 miembros, heteroarilo de 5-12 miembros; o cualquiera dos entre R^4, R^5, R^6 y R^7 unidos al mismo átomo de nitrógeno pueden junto con el nitrógeno al cual están unidos ser combinados para formar un heteroalicíclico de 13 a 12 miembros o grupo heteroarilo de 5-12 miembros opcionalmente conteniendo de 1 a 3 heteroátomos adicionales seleccionados de N, O y S; o cualquiera dos entre R^4, R^5, R^6 y R^7 unidos al mismo átomo de carbono puede ser combinados para formar un cicloalquilo C_{3-12}, fenilo



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en donde,

Z es CH o N;

arilo es un fenilo opcionalmente fusionado con uno o más sustituyentes seleccionados del grupo que consta de un halógeno, $-OR^{24}$, $-COR^{24}$, $-COOR^{24}$, $-CONR^{24}R^{25}$, -CN, $-NO_2$, $-S(O)mR^{24}$, $-SO_2NR^{24}R^{25}$, perfluoroalquilo, alquilo inferior, cicloalquilo, heterociclo, alquenilo, alquinilo, fenilo, $-NR^{24}R^{25}$, $-NR^{24}C(O)R^{25}$ y $-NRS(O)pR^{25}$;

R^{21} y R^{22} son independientemente seleccionados del grupo que consta de hidrógeno, halógeno, COR^{24}, $-COOR^{24}$, $-CONR^{24}R^{25}$, -CN, perfluoroalquilo, alquilo inferior, cicloalquilo, heterociclo, alquenilo, alquinilo, y fenilo;

R^{23} es seleccionado del grupo que consta de:

un fenilo opcionalmente fusionado, heteroarilo, grupo alicíclico o heterocíclico, opcionalmente sustituido con uno o más sustituyentes seleccionados del grupo que consta de un halógeno, $-(CH_2)n-OR^{24}$, $-COR^{24}$, $-COOR^{24}$, $-CONR^{24}R^{25}$, -CN, $-NO_2$, $-S(O)mR^{24}$, $-SO_2NR^{24}R^{25}$, perfluoroalquilo, -O-perfluoroalquilo, alquilo inferior, cicloalquilo, heterociclo, heteroarilo, alquenilo, alquinilo, fenilo, $-(CH_2)n-NR^{24}R^{25}$, $-NR^{24}C(O)R^{25}$ y $-NR^{24}S(O)p^{25}$, en donde dichos sustituyentes de heterociclo, heteroarilo y fenilo puede ser opcionalmente sustituidos por un grupo seleccionado del grupo que consta de alquilo inferior, halógeno, $C(O)NR^{24}R^{25}$, $NR^{24}R^{25}$, $NR^{24}C(O)R^{25}$ y $NR^{24}S(O)pR^{25}$, $-OR^{24}$, $-COR^{24}$, $-COOR^{24}$, -CN, $-NO_2$, $-S(O)mR^{24}$, $-SO_2NR^{24}R^{25}$, perfluoroalquilo, cicloalquilo, heterociclo, alquenilo, y alquinilo;

R^{24} y R^{25} son independientemente seleccionados del grupo que consta de hidrógeno, alquilo inferior, cicloalquilo, alquenilo, alquinilo, fenilo, aminoalquilo, alquilaminoalquilo, alquilaminocicloalquilo, dialquilaminoalquilo, y $-(CH_2)n-$heterociclo, en donde dicho $-(CH_2)n-$heterociclo puede adicionalmente se sustituido con uno o más de alquilo inferior, $-(CH_2)n-$hidroxilo, heterociclo y $-C(O)R^{26}$,

o R24 y R25 se pueden combinar para formar un anillo heterocíclico de 5 a 6 miembros con uno o más heteroátomos seleccionados del grupo que consta de N, O, S(O) y SO2, dicho anillo heterocíclico de 5 a 6 miembros puede ser opcionalmente sustituido con alquilo inferior, -(CH2)n-heterociclo, cicloalquilo, halo, -(CH2)n-$NR^{26}R^{27}$, amino, $-C(O)R^{26}$, $-NR^{26}-C(O)OR^{27}$ y $-NR^{26}-C(O)R^{27}$;

en donde R26 y R27 son independientemente seleccionados del grupo que consta de hidrógeno, alquilo inferior, $-(CH_2)n$-cicloalquilo y $-C(O)-(CH_2)n-OH$;

excepto que cuando Z es N y R^{21} y R^{22} son H y arilo es m-clorofenilo, R^{23} no es piperazina;

m es 0, 1 o 2;

n es 0, 1, 2 o 3;

p es 1 o 2;

o una sal farmaceuticamente aceptable del mismo.

donde dicho grupo heteroalicíclico o heterocíclico se selecciona entre pirrolina, pirrolidina, dioxolano, imidazolina, imidazolidina, pirazoline, pirazolidina, pirano, piperidina, dioxano, morfolina, ditiano, tiomorfolina, piperazina y tritiano, y dicho grupo heteroarilo se selecciona entre furano, tiofeno, pirrol, oxasol, tiazol, imidazol, pirazol, isoxazol, isotiazol, oxadiazol, triazol, tiadiazol, piridina, piridazina, pirimidina, pirazina y triazina;

7. El compuesto de la Reivindicación 6, en donde R^{23} es arilo o heteroarilo.

8. Un compuesto seleccionado del grupo que consta de

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-(4-metil-piperazin-1-il)-metanona;

N-[2-(4-acetil-piperazin-1-il)-etil]-4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-benzamida;

4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-N-(3-pirrolidin-1-il-propil)-benzamida;

4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-N-(2-morfolin-4-il-etil)-benzamida;

4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-((S)-3-amino-pirrolidin-1-il)-metanona;

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(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-((R)-3-amino-pirrolidin-1-il)-metanona;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-(4-amino-piperidin-1-il)-metanona;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-((S)-3-hidroxi-pirrolidin-1-il)-metanona;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-((R)-3-hidroxi-pirrolidin-1-il)-metanona;

4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-((R)-2-hidroximetil-pirrolidin-1-il)-metanona;

4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-N-(2-dietilamino-etil)-benzamida;

4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-N-(2-pirrolidin-1-il-etil)-benzamida;

ácido 3-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-benzoico;

(3-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}fenil)-(4-metil-piperazin-1-il)-metanona;

3-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-N-(1-metil-piperidin-4-il)-benzamida;

(3-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-((S)-2-pirrolidin-1-ilmetil-pirrolidin-1-il)-metanona;

N-[2-(4-acetil-piperazin-1-il)-etil]-3-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-benzamida;

(3-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-((S)-3-amino-pirrolidin-1-il)-metanona;

3-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-N-(3-morfolin-4-il-propil)-benzamida;

(3-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-((R)-2-pirrolidin-1-ilmetil-pirrolidin-1-il)-metanona;

3-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-N-(2-pirrolidin-1-il-etil)-benzamida;

3-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-N-(3-pirrolidin-1-il-propil)-benzamida;

3-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-N-(2-morfolin-4-il-etil)-benzamida;

(3-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-(4-pirrolidin-1-piperidin-1-il)-metanona;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-amida del ácido 2-dietilamino-etanosulfónico;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-amida del ácido 2-(4-hidroxi-piperidin-1-il)-etanosulfónico;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-amida del ácido 2-(ciclopropilmetil-amino)-etanosulfónico;

(4-{6-amino-5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-amida del ácido 2-((R)-3-hidroxi-pirrolidin-1-il)-etanosulfónico;

(4-{6-amino-5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-amida del ácido 2-ciclopropilamino-etanosulfónico;

(4-{6-amino-5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-amida del ácido 2-dietilamino-etanosulfónico;

ácido 4-{6-amino-5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-benzoico;

4-{6-amino-5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-N-(2-morfolin-4-il-etil)-benzamida;

4-{6-amino-5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-N-(1-metil-piperidin-4-il)-benzamida;

(4-{6-amino-5-[1-(2,-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-((R)-2-pirrolidin-1-ilmetil-pirrolidin-1-il)-metanona;

(4-{6-amino-5-[1-(2,-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-((R)-3-amino-pirrolidin-1-il)-metanona;

(4-{6-amino-5-[1-(2,-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-((3R, 5S)-3,5-dimetil-piperazin-1-il)-metanona;

4-{6-amino-5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-N-(3-pirrolidin-1-il-propil)-benzamida;

(4-{6-amino-5-[1-(2,-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-((S)-2-pirrolidin-1-ilmetil-pirrolidin-1-il)-metanona;

(4-{6-amino-5-[1-(2,-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-(4-metil-piperazin-1-il)-metanona;

(4-{6-amino-5-[1-(2,-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-(4-pirrolidin-1-il-piperidin-1-il)-metanona;

4-{6-amino-5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-N-(2-pirrolidin-1-il-etil)-benzamida;

(4-{6-amino-5-[1-(2,-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-((S)-3-amino-pirrolidin-1-il)-metanona;

ácido 3-{6-amino-5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-benzoico;

(3-{6-amino-5-[1-(2,-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-((3R,5S)-3,5-dimetil-piperazin-1-il)-metanona;

(3-{6-amino-5-[1-(2,-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-((R)-3-amino-pirrolidin-1-il)-metanona;

3-{6-amino-5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-N-(1-metil-piperidin-4-il)-benzamida;

(3-{6-amino-5-[1-(2,-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-(4-metil-piperazin-1-il)-metanona;

3-{6-amino-5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-N-(3-pirrolidin-1-il-propil)-benzamida;

3-{6-amino-5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-N-(2-pirrolidin-1-il-etil)-benzamida;

(3-{6-amino-5-[1-(2,-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-((S)-3-amino-pirrolidin-1-il)-metanona;

3-{6-amino-5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-N-(2-morfolin-4-il-etil)-benzamida;

(3-{6-amino-5-[1-(2,-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-((R)-2-pirrolidin-1-ilmetil-pirrolidin-1-il)-metanona;

(3-{6-amino-5-[1-(2,-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-((S)-2-pirrolidin-1-ilmetil-pirrolidin-1-il)-metanona;

3-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-5-[4-(2-morfolin-4-il-etoxi)-fenil]-piridin-2-ilamina;

3-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-5-[3-(2-morfolin-4-il-etoxi)-fenil]-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-[4-(2-morfolin-1-il-etoxi)-fenil]-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-{4-[2-(1-metil-pirrolidin-2-il)-etoxi]-fenil}-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-[4-(2-morfolin-4-il-etoxi)-fenil]-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-[3-(2-morfolin-4-il-etoxi)-fenil]-piridin-2-ilamina;

1-(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenoxi)-3-morfolin-4-il-propan-2-ol;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-[4-(2-dietilamino-etoxi)-fenil]-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-[4-(1-metil-piperidin-3-ilmetoxi)-fenil]-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-[4-(2-diisopropilamino-etoxi)-fenil]-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-[4-(1-metil-piperidin-4-iloxi)-fenil]-piridin-2-ilamina;

N-(4-{6-amino-5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-metanosulfonamida;

3-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-5-[1,1-dioxo-1 lambda*6*-isotiazolidin-2-il)-fenil]-piridin-2-ilamina;

N-(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-metanosulfonamida;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-fenil]-piridin-2-ilamina;

N-(4-{6-amino-5-[(R)-1-(2-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-metanosulfonamida;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-tiofen-3-il-piridin-2-ilamina;

5-benzo[b]tiofen-2-il-3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-2-ilamina;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-amida del ácido 4-metil-piperazina-1-carboxílico;

1-(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-3-(2-pirrolidin-1-il-etil)-urea;

1-(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-3-(2-hidroxi-etil)-urea;

1-(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-3-(2-morfolin-4-il-etil)-urea;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-amida del ácido (R)-3-amino-pirrolidina-1-carboxílico;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-amida del ácido (S)-3-amino-pirrolidina-1-carboxílico;

1-(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-3-(1-metil-piperidin-4-il)-urea;

1-(4-{6-amino-5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-3-(1-metil-piperidin-4-il)-urea;

(4-{6-amino-5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-amida del ácido (R)-3-amino-pirrolidina-1-carboxílico;

(4-{6-amino-5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-amida del ácido (S)-3-amino-pirrolidina-1-carboxílico;

1-(4-{6-amino-5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-3-(2-hidroxi-etil)-urea;

(4-{6-amino-5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-amida del ácido 4-metil-piperazina-1-carboxílico;

1-(4-{6-amino-5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-3-(2-pirrolidin-1-il-etil)-urea;

1-(4-{6-amino-5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-piridin-3-il}-fenil)-3-(2-morfolin-4-il-etil)-urea;

(4-{6-amino-5-[1- (2-cloro-3,6-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-amida del ácido (R)-2-pirrolidin-1-ilmetil-pirrolidina-1-carboxílico;

ácido 3-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-benzoico;

(3-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-fenil)-((3R,5S)-3,5-dimetil-piperazin-1-il)-metanona;

(3-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-fenil)-(4-pirrolidin-1-il-piperidin-1-il)-metanona;

3-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-N-(2-pirrolidin-1-il-etil)-benzamida;

3-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-N-(2-morfolin-4-il-etil)-benzamida;

(3-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-fenil)-((S)-2-pirrolidin-1-ilmetil-pirrolidin-1-il)-metanona;

3-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-N-(3-pirrolidin-1-il-propil)-benzamida;

N-[2-(4-acetil-piperazin-1-il)-etil]-3-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}- benzamida;

3-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-N-(1-metil-piperidin-4-il)-benzamida;

(3-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-fenil)-(4-metil-piperazin-1-il)-metanona;

(3-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-fenil)-((R)-2-pirrolidin-1-ilmetil-pirrolidin-1-il)-metanona;

(3-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-fenil)-((S)-3-amino-pirrolidin-1-il)-metanona;

(3-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-fenil)-((R)-3-amino-pirrolidin-1-il)-metanona;

ácido 4-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-benzoico;

4-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-N-(2-pirrolidin-1-il-etil)-benzamida;

4-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-N-(2-morfolin-4-il-etil)-benzamida;

(4-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-fenil)-((S)-2-pirrolidin-1-ilmetil-pirrolidin-1-il)-metanona;

4-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-N-(1-metil-piperidin-4-il)-benzamida;

(4-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-fenil)-((3R,5S)-3,5-dimetil-piperazin-1-il)-metanona;

N-[2-(4-acetil-piperazin-1-il)-etil]-4-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-benzamida;

4-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-N-(3-pirrolidin-1-il-propil)-benzamida;

(4-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-fenil)-((S)-3-aminopirrolidin-1-il)-metanona;

(4-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-fenil)-(R)-3-amino-pirrolidin-1-il)-metanona;

(4-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-fenil)-((R)-2-pirrolidin-1-ilmetil-pirrolidin-1-il)-metanona;

(4-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-fenil)-(4-pirrolidin-1-il-piperidin-1-il)-metanona;

(4-{6-amino-5-[1-(2,6-dicloro-fenil)-etoxi]-piridin-3-il}-fenil)-(4-metil-piperazin-1-il)-metanona;

(4-{6-amino-5-[1-(3-fluoro-2-trifluorometil-fenil)-etoxi]-piridin-3-il}-fenil)-(4-metil-piperazin-1-il)-metanona;

(4-{6-amino-5-[1-(3-fluoro-2-trifluorometil-fenil)-etoxi]-piridin-3-il}-fenil)-(4-pirrolidin-1-il-piperidin-il)-metanona;

(4-{6-amino-5-[1-(3-fluoro-2-trifluorometil-fenil)-((3R,5S)-3,5-dimetil-piperazin-1-il)-metanona;

(4-{6-amino-5-[1-(3-fluoro-2-trifluorometil-fenil)-etoxi]-piridin-3-il}fenil)-((S)-2-pirrolidin-1-ilmetil-pirrolidin-1-il)-metanona;

(4-{6-amino-5-[1-(3-fluoro-2-trifluorometil-fenil)-etoxi]-piridin-3-il}fenil)-((R)-2-pirrolidin-1-ilmetil-pirrolidin-1-il)-metanona;.

4-{6-amino-5-[1-(3-fluoro-2-trifluorometil-fenil)-etoxi]-piridin-3-il}-N-(1-metil-piperidin-4-il)-benzamida;

4-{6-amino-5-[1-(3-fluoro-2-trifluorometil-fenil)-etoxi]-piridin-3-il}-N-(2-pirrolidin-1-etil)-benzamida;

4-{6-amino-5-[1-(3-fluoro-2-trifluorometil-fenil)-etoxi]-piridin-3-il}-N-(2-morfolin-4-il-etil)-benzamida;

4-{6-amino-5-[1-(3-fluoro-2-trifluorometil-fenil)-etoxi]-piridin-3-il}-N-(3-pirrolidin-1-il-propil)-benzamida;

4-{6-amino-5-[1-(3-fluoro-2-trifluorometil-fenil)-etoxi]-piridin-3-il}-N-(3-morfolin-4-il-propil)-benzamida;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(1H-pirazol-4-il)-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-[1-(2-pirrolidin-1-il-etil)-1H-pirazol-4-il]-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-[1-(2-diisopropilamino-etil)-1H-pirazol-4-il]-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-[1-(2-morfolin-4-il-etil)-1H-pirazol-4-il]-piridin-2-ilamina;

{4-[6-amino-5-(3-fluoro-2-metoxi-benciloxi)-piridin-3-il]-fenil}-((3R,5S)-3,5-dimetil-piperazin-1-il)-metanona;

(4-{6-amino-5-[1-(3-fluoro-2-metoxi-fenil)-etoxi]-piridin-3-il}-fenil)-((3R,5S)-3,5-dimetil-piperazin-1-il)-metanona;

{4-[6-amino-5-(3-fluoro-2-isopropoxi-benciloxi)-piridin-3-il]-fenil}-((3R,5S)-3,5-dimetil-piperazin-1-il)-metanona;

5-(4-amino-fenil)-3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-2-ilamina;

ester metilo del ácido (4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenoxi)-acetico;

ácido (4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenoxi)-acético;

2-(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenoxi)-1-((3R, 5S)-3,5-dimetil-piperazin-1-il)-etanona;

2-(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenoxi)-1-((R)-3-hidroxi-pirrolidin-1-il)-etanona;

éster tert-butilo del ácido 4-[2-(4-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenoxi)-acetil]-piperazina-1-carboxílico;

2-(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenoxi)-1-((R)-2-pirrolidin-1-ilmetil-pirrolidin-1-il)-etanona;

{4-[6-amino-5-(3-fluoro-6,7,8,9-tetrahidro-5H-benzociclohepten-5-iloxi)-piridin-3-il]-fenil}-((3R,5S)-3,5-dimetil-piperazin-1-il)-metanona;

3-(3-fluoro-6,7,8,9-tetrahidro-5H-benzociclohepten-5-iloxi)-5-[4-(2-pirrolidin-1-il-etoxi)-fenil]-piridin-2-ilamina;

N-{4-[6-amino-5-(3-fluoro-6,7,8,9-tetrahidro-5H-benzociclohepten-5-iloxi)-piridin-3-il]-fenil}metanosulfonamida;

3-(3-fluoro-6,7,8,9-tetrahidro-5H-benzociclohepten-5-iloxi)-5-(1H-pirazol-4-il)-piridin-2-ilamina;

3-[1-(2-cloro-3-fluoro-fenil)-etoxi]-5-[4-(2-pirrolidin-1-il-etoxi-)-fenil]-piridin-2-ilamina;

5`-benciloxi-[2,3]bipiridinil-6`-ilamina;

5-benciloxi-[3,3`]bipiridinil-6-ilamina;

3-benciloxi-5-pirimidin-5-il-piridin-2-ilamina;

5-benciloxi-[3,3]bipiridinil-6,6'-diamina;

5'-(2-cloro-benciloxi)-[2,3`]bipiridinil-6´-ilamina;

5-(2-cloro-benciloxi)-[3,3`]bipiridinil-6-ilamina;

3-(2-cloro-benciloxi)-5-pirimidin-5-il-piridin-2-ilamina;

5-(2-cloro-benciloxi)-[3,3`]bipiridinil-6,6´-diamina;

5´-(4-cloro-benciloxi)-[2,3`]bipiridinil-6´-ilamina;

5-(4-cloro-benciloxi)-[3,3`]bipiridinil-6-ilamina;

3-(4-cloro-benciloxi)-5-pirimidin-5-il-piridin-2-ilamina;

5-(4-cloro-benciloxi)-[3,3`]bipiridinil-6,6´-diamina;

5´-(2-cloro-3,6-difluoro-benciloxi)-[2,3`]bipiridinil-6´-ilamina;

5´-(2-cloro-3,6-difluoro-benciloxi)-[3,3`]bipiridinil-6-ilamina;

5-(2-cloro-3,6-difluoro-benciloxi)-[3,4`]bipiridinil-6-ilamina;

3-(2-cloro-3,6-difluoro-benciloxi)-5-pirimidin-5-il-piridin-2-ilamina;

5-(2-cloro-3,6-difluoro-benciloxi)-[3,3`]bipiridinil-6,6´-diamina;

5´-(2,6-dicloro-benciloxi)-[2,3`]bipiridinil-6´-ilamina;

5´-(2,6-dicloro-benciloxi)-[3,3`]bipiridinil-6-ilamina;

5-(2,6-dicloro-benciloxi)-[3,4`]bipiridinil-6-ilamina;

3-(2,6-dicloro-benciloxi)-5-pirimidin-5-il-piridin-2-ilamina;

5-(2,6-dicloro-benciloxi)-[3,3`]bipiridinil-6,6´-diamina;

5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-[3,3`]bipiridinil-6,6´-diamina;

{6`-amino-5´-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-[2,3`]bipiridin-4-il}-(4-metil-piperazin-1-il)-metanona;

{6`-amino-5´-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-[2,3`]bipiridin-6-il}-(4-metil-piperazin-1-il)-metanona;

{6`-amino-5´-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-[3,3`]bipiridin-5-il}-(4-metil-piperazin-1-il)-metanona;

{6`-amino-5´-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-[3,3`]bipiridin-6-il}-(4-metil-piperazin-1-il)-metanona;

{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-[3,4´]bipiridin-2´-il}-(4-metil-piperazin-1-il)-metanona;

5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-[3,3`]bipiridinil-6,6´-diamina;

{6´-amino-5´-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-[2,3´]bipiridin-5-il}-(4-metil-piperazin-1-il)-metanona;

{6´-amino-5´-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-[2,3´]bipiridin-4-il}-(4-metil-piperazin-1-il)-metanona;

{6´-amino-5´-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-[2,3´]bipiridin-6-il}-(4-metil-piperazin-1-il)-metanona;

{6´-amino-5´-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-[3,3´]bipiridin-5-il}-(4-metil-piperazin-1-il)-metanona;

{6´-amino-5´-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-[3,3´]bipiridin-6-il}-(4-metil-piperazin-1-il)-metanona;

{6-amino-5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-[3,4´]bipiridin-2´-il}-(4-metil-piperazin-1-il)-metanona;

5´-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-[2,3´]bipiridin-6´-ilamina;

5´-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-[2,3´]bipiridin-6´-ilamina;

5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-[3,3´]bipiridin-6-ilamina;

3´-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-5-pirimidin-5-il-piridin-2-ilamina;

{6´-amino-5´-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-[2,3´]bipiridin-5-il}-(4-metil-piperazin-1-il)-metanona;

5-[1-(2-cloro-3,6-difluoro-fenil)-etoxi]-[3,4´]bipiridin-6-ilamina;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-((3R,5S)-3,5-dimetil-piperazin-1-il)-metanona;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-((3R,5S)-3,5-dimetil-piperazin-1-il)-metanona;

5-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-2-fluoro-benzonitrilo;

4-(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-piperidin-4-ol;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-piperidin-1-il-metanona;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-pirrolidin-1-il-metanona;

éster metílico del ácido (4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-3-metil-benzoico;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-[4-(dimetil-piperazin-1-ilmetil)-fenil]-piridin-2-ilamina;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-3,5-dimetoxi-fenil)-(dimetil-piperazin-1-il)-metanona;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-2-fluoro-fenil)-(dimetil-piperazin-1-il)-metanona;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-3-fluoro-fenil)-(dimetil-piperazin-1-il)-metanona;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-3-metil-fenil)-(dimetil-piperazin-1-il)-metanona;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-(4-metil-[1,4]diazepan-1-il)-metanona;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-[1,4]diazepan-1-il-metanona;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-piperazin-1-il-metanona;

61) 3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-vinil-piridin-2-ilamina;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-((3R,4S)-3,4-dihidroxi-pirrolidin-1-il)-metanona;

5-[(1-bencil-pirrolidin-3-ilamino)-metil]-3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-2-ilamina;

4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-N-azetidin-3-il-benzamida;

4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-N,N-dimetil-bencenosulfonamida;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(6-metoxi-1H-benzoimidazol-2-il)-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(6-metoxi-1-metil-1H-benzoimidazol-2-il)-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-[4-(4-metil-[1,4]diazepan-1-sulfonil)-fenil]-piridin-2-ilamina;

amida del ácido 6{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-1-metil-1H-indazol-3-carboxílico;

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3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(1-metil-1H-pirazol-4-il)-piridin-2-ilamina;

5-(3-cloro-fenil)-3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(4-fluoro-3-metil-fenil)-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(3-trifluorometil-fenil)-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(3-trifluorometoxi-fenil)-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(3-trifluorometoxi-fenil)-piridin-2-ilamine;

5-benzo[1,3]dioxol-5-il-3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-2-ilamina;

3-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenol;

3-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-metanol;

3-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-benzonitrilo;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(3-metoxi-fenil)-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(3,5-dicloro-fenil)-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(2,5-dimetil-fenil)-piridin-2-ilamina;

5-(5-cloro-2-metoxi-fenil)-3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-2-ilamina;

5-(3-cloro-4-fluoro-fenil)-3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(5-fluoro-2-metoxi-fenil)-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(3-isopropil-fenil)-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(3,4-dicloro-fenil)-piridin-2-ilamina;

4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-benzonitrilo;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(3,4-difluoro-fenil)-piridin-2-ilamina;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-((2R,6S)-2,6-dimetilmorfolin-4-il)-metanona;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(2-etoxi-fenil)-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(2,5-dimetoxi-fenil)-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(2,4-dimetoxi-fenil)-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(2,6-dimetoxi-fenil)-piridin-2-ylamine;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(2-trifluorometil-fenil)-piridin-2-ilamina;

5-(2-cloro-fenil)-3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(2,5-dimetil-fenil)-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(2-trifluorometoxi-fenil)-piridin-2-ilamina;

1-(2-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-etanona;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(2-fluoro-fenil)-piridin-2-ilamina;

(2-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-metanol;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-o-tolil-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(2-metoxi-fenil)-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(2,6-dimetil-fenil)-piridin-2-ilamina;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-morfolin-4-il)-metanona;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-2-cloro-fenil-((3R,5S)-dimetil-piperazin-1-il)-metanona;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-2-metil-fenil)-((3R,5S)-dimetil-piperazin-1-il)-metanona;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-[4-((2R,6S)-2,6-dimetil-morfolin-4-ilmetil)-fenil]-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(4-morfolin-4-ilmetil-fenil)-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(3,5-dimetil-fenil)-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-m-tolil-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(3,4-dimetoxi-fenil)-piridin-2-ilamina;

5-bifenil-il-3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-2-ilamina;

5-(3,5-bis-trifluorometil-fenil)-3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-5-(3,4-dicloro-fenil)-piridin-2-ilamina;

1-(3-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-etona;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(3,5-difluoro-fenil)-piridin-2-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(2,5-dicloro-fenil)-piridin-2-ilamina;

(4-{6-amino-5-[1-(2,6-dicloro-4-trifluorometil-fenil)-etoxi]-piridin-3-il}-fenil)-((3R, 5S)-3,5-dimetil-piperazin-1-il)-metanona;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(3-etoxi-fenil)-piridin-2-ilamina;

(4-{6-amino-5-[1-(2-trifluorometil-fenil)-etoxi]-piridin-3-il}-fenil)-(3,5-dimetil-piperazin-1-il)-metanona;

(4-{6-amino-5-[1-(3-trifluorometil-fenil)-etoxi]-piridin-3-il}-fenil)-(3,5-dimetil-piperazin-1-il)-metanona;

7-[4-(3,5-dimetil-piperazin-1-carbonil)-fenil]-2-fenil-4H-pirido[3,2-b]oxazin-3-ona;

(4-{6-amino-5-(3-fluoro-2-trifluorometil-benciloxi)-piridin-3-il]-fenil}-(3,5-dimetil-piperazin-1-il)-metanona;

{4-{6-amino-5-(2,6-difluoro-benciloxi)-piridin-3-il]-fenil}-(3,5-dimetil-piperazin-1-il)-metanona;

[4-{6-amino-5-benciloxi-piridin-3-il)-fenil]-(3,5-dimetil-piperazin-1-il)-metanona;

(4-{6-amino-5-[1-(2-cloro-3,6-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-(4-etil-piperazin-1-il)-metanona;

[4-{6-amino-5-benciloxi-piridin-3-il)-fenil]-(4-etil-piperazin-1-il)-metanona;

{4-[6-amino-5-(2-metil-benciloxi)-piridin-3-il]-fenil}-(3,5-dimetil-piperazin-1-il)-metanona;

éster metílico del ácido 3-{2-amino-5-[4-(4-pirrolidin-1-piperidina-1-carbonil)-fenil]-piridin-3-iloximetil}benzoico;

éster metílico del ácido 3-{2-amino-5-[4-(3,5-dimetil-piperazina-1-carbonil)-fenil]-piridin-3-iloximetil}benzoico;

{4-[6-amino-5-(2-metil-benciloxi)-piridin-3-il]-fenil}-(4-pirrolidin-1-il-piperidin-1-il)-metanona;

[4-(6-amino-5-ciclohexilmetoxi-piridin-3-il)-fenil]-(4-pirrolidin-1-il-piperidin-1-il)-metanona;

4-(1-{2-amino-5-[4-(4-pirrolidin-1-il-piperidina-1-il-carbonil)-fenil]-piridin-3-iloxi}-etil)-[2-(3-hidroxi-fenil)-etil]-benzamida;

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4-(1-{2-amino-5-[4-(4-pirrolidin-1-il-piperidina-1-il-carbonil)-fenil]-piridin-3-iloxi}-etil)-[2-(2,6dicloro-fenil)-etil]-benzamida;

4-(1-{2-amino-5-[4-(4-pirrolidin-1-il-piperidina-1-il-carbonil)-fenil]-piridin-3-iloxi}-etil)-(1-bencil-piperidin-4-il)-benzamida;

4-(1-{2-amino-5-[4-(4-pirrolidin-1-il-piperidina-1-il-carbonil)-fenil]-piridin-3-iloxi}-etil)-[3-(2-oxo-pirrolidin-1-il)-propil]-benzamida;

(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-(4-etil-piperazin-1-il)-metanona;

{4-[6-amino-5-(2,6-dicloro-benciloxi)-piridin-3-il]-fenil}-(3,5-dimetil-piperazin-1-il)-metanona;

(6-amino-3-aza-biciclo[3.1.0]hex-3-il)-(4-{6-amino-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-metanona;

5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-6´-(2-morfolin-4-il-etoxi)-[3,3´]bipiridinil-6-ilamina;

6´-amino-5´-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-1-(2-pirrolidin-1-il-etil)-1H-[3,3´]bipiridinil-6-ona;

5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-6´-(2-pirrolidin-1-il-etoxi)-[3,3´]bipiridinil-6-ilamina;

6´-amino-5´-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-1-[2-(1-metil-pirrolidin-2-il)-etil]-1H-[3,3´]bipiridinil-6-ona;

(4-{6-amino-5-[1-(2,4,6-trimetil-fenil)-etoxi]-piridin-3-il}-fenil)-(4-pirrolidin-1-il-piperidin-1-il)-metanona;

(4-{6-amino-5-[1-(2-cloro-6-fluoro-fenil)-etoxi]-piridin-3-il}-fenil)-(4-pirrolidin-1-il-piperidin-1-il)-metanona;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(4-fluoro-fenil)-piridin-2-ilamina;

6´-amino-5´-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-1H-[3,3´]bipiridinil-6-ona;

5`-bromo-5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-[3,3´]bipiridin-6-ilamina;

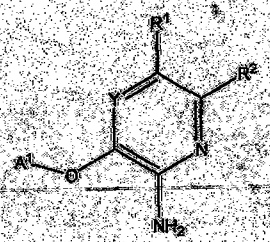
3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(4-dimetilamino-fenil)-piridin-2-ilamina;

5-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-2´-metoxi-[3,3´]bipiridin-6-ilamina;

3-[1-(2,6-dicloro-3-fluoro-fenil)-etoxi]-5-(1H-indol-5-il)-piridin-2-ilamina;

(4-{6-amino-5-[1-(2,6-dicloro-fenil)-propoxi]-piridin-3-il}-fenil)-(3,5-dimetil-piperazin-1-il)-metanona;

1. A compound of formula I



I

wherein:

Y is N or CR^{10};

R^1 is selected from phenyl C_{6-12} aryl, 5-12 membered heteroaryl, C_{3-12} cycloalkyl, 3-12 membered heterocalicyclic, $-O(CR^6R^7)_nR^8$, $-C(O)R^6$, $-C(O)OR^6$, $-CN$, $-NO_2$, $-S(O)_mR^6$, $-SO_2NR^6R^7$, $-S(O)_2OR^6$, $-C(O)NR^6R^7$, $-NR^6C(O)R^7$, $-C(=NR^6)NR^6R^7$, C_{1-6} alkyl, C_{2-6} alkenyl, and C_{2-6} alkynyl, and each hydrogen in R^1 is optionally substituted by one or more R^2 groups;

R^2 is hydrogen, halogen, C_{1-12} alkyl, C_{2-12} alkenyl, C_{2-12} alkynyl, C_{3-12} cycloalkyl, C_{6-12} aryl, 3-12 membered heteroalicyclic, 5-12 membered heteroaryl, $-S(O)_mR^6$, $-SO_2NR^6R^7$, $-S(O)_2OR^6$, $-NO_2$, $-NR^6R^7$, $-(CR^6R^7)_nOR^6$, $-CN$, $-C(O)R^6$, $-OC(O)R^6$, $-O(CR^6R^7)_nR^6$, $-NR^6C(O)R^6$, $-(CR^6R^7)_nC(O)OR^6$, $-(CR^6R^7)_nNCR^6R^7$, $-C(=NR^6)NR^6R^7$, $-NR^6C(O)NR^6R^7$, $-NR^6S(O)_mR^6$ or $-C(O)NR^6R^7$, and each hydrogen in R^2 is optionally substituted by one or more R^8 groups;

R^3 is halogen, C_{1-12} alkyl, C_{2-12} alkenyl, C_{2-12} alkynyl, C_{3-12} cycloalkyl, phenyl C_{6-12} aryl, 3-12 membered heteroalicyclic, 5-12 membered heteroaryl, $-S(O)_mR^6$, $-SO_2NR^6R^7$, $-S(O)_2OR^6$, $-NO_2$, $-NR^6R^7$, $-(CR^6R^7)_nOR^6$, $-CN$, $-C(O)R^6$, $-OC(O)R^6$, $-O(CR^6R^7)_nR^6$, $-NR^6C(O)R^6$, $-(CR^6R^7)_nC(O)OR^6$, $-(CR^6R^7)_nNCR^6R^7$, $-C(=NR^6)NR^6R^7$, $-NR^6C(O)NR^6R^7$, $-NR^6S(O)_mR^6$ or $-C(O)NR^6R^7$, each hydrogen in R^3 is optionally substituted by one or more R^8 groups, and R^3 groups on adjacent atoms may combine to form a phenyl C_{6-12} aryl, 5-12 membered heteroaryl, C_{3-12} cycloalkyl, or 3-12 membered heteroalicyclic group;

each R^4, R^5, R^6 and R^7 is independently hydrogen, halogen, C_{1-12} alkyl, C_{2-12} alkenyl, C_{2-12} alkynyl, C_{3-12} cycloalkyl, phenyl C_{6-12} aryl, 3-12 membered heteroalicyclic, 5-12 membered heteroaryl, or any two of R^4, R^5, R^6 and R^7 bound to the same nitrogen atom may, together with the nitrogen to which they are bound, be combined to form a 3 to 12 membered heteroalicyclic or 5-12 membered heteroaryl group optionally containing 1 to 3 additional heteroatoms selected from N, O, and S; or any two of R^4, R^5, R^6 and R^7 bound to the same carbon atom may be combined to form a C_{3-12} cycloalkyl, C_{6-12} aryl, 3-12 membered heteroalicyclic or 5-12 membered heteroaryl group; and each hydrogen in R^4, R^5, R^6 and R^7 is optionally substituted by one or more R^9 groups;

each R^8 is independently halogen, C_{1-12} alkyl, C_{2-12} alkenyl, C_{2-12} alkynyl, C_{3-12} cycloalkyl, phenyl C_{6-12} aryl, 3-12 membered heteroalicyclic, 5-12 membered heteroaryl, $-CN$, $-O-C_{1-12}$ alkyl, $-O-(CH_2)_nC_{3-12}$ cycloalkyl, $-O-(CH_2)_nC_{6-12}$ aryl, $-O-(CH_2)_n$(3-12 membered heteroalicyclic) or $-O-(CH_2)_n$(5-12 membered heteroaryl); and each hydrogen in R^8 is optionally substituted by one or more R^{10} groups;

A^1 is $-(CR^9R^{10})_nA^2$ except that:

(ii) when Y is N and R^3 is substituted or unsubstituted aryl or substituted or unsubstituted heteroaryl, A^1 is $-(CR^9R^{10})_nA^2$ and n is not zero; and

(iii) when Y is N and R^3 is H and A^1 is m-chlorobenzyl, R^2 is not unsubstituted piperazine;

each R^9 and R^{10} is independently hydrogen, halogen, C_{1-12} alkyl, C_{3-12} cycloalkyl, phenyl C_{6-12} aryl, 3-12 membered heteroalicyclic, 5-12 membered heteroaryl, $-S(O)_mR^6$, $-SO_2NR^6R^7$, $-S(O)_2OR^6$, $-NO_2$, $-NR^6R^7$, $-(CR^6R^7)_nOR^6$, $-CN$, $-C(O)R^6$, $-OC(O)R^6$, $-NR^6C(O)R^6$, $-(CR^6R^7)_nC(O)OR^6$, $-(CR^6R^7)_nNCR^6R^7$, $-NR^6C(O)NR^6R^7$, $-NR^6S(O)_mR^6$ or $-C(O)NR^6R^7$; R^9 and R^{10} may combine to form a C_{3-12} cycloalkyl, 3-12 membered heteroalicyclic, phenyl C_{6-12} aryl or 5-12 membered heteroaryl ring, and each hydrogen in R^9 and R^{10} is optionally substituted by one or more R^5 groups;

A^2 is phenyl C_{6-12} aryl, 5-12 membered heteroaryl, C_{3-12} cycloalkyl or 3-12 membered heteroalicyclic, and A^2 is optionally substituted by one or more R^5 groups;

each R^{10} is independently halogen, C_{1-12} alkyl, C_{1-12} alkoxy, C_{3-12} cycloalkyl, phenyl C_{6-12} aryl, 3-12 membered heteroalicyclic, 5-12 membered heteroaryl, $-O-C_{1-12}$ alkyl, $-O-(CH_2)_nC_{3-12}$ cycloalkyl, $-O-(CH_2)_nC_{6-12}$ aryl, $-O-(CH_2)_n$(3-12 membered heteroalicyclic), $-O-(CH_2)_n$(5-12 membered heteroaryl) or $-CN$, and each hydrogen in R^{10} is optionally substituted by one or more groups selected from halogen, $-OH$, $-CN$, $-C_{1-12}$

alkyl which may be partially or fully halogenated, -O-C_{1-12} alkyl which may be partially or fully halogenated, -CO, -SO and -SO_2;

R^{12} is hydrogen, halogen, C_{1-12} alkyl, C_{2-12} alkenyl, C_{2-12} alkynyl, C_{3-12} cycloalkyl, C_{6-12} aryl, 3-12 membered heterocalicyclic, 5-12 membered heteroaryl, $-S(O)_mR^5$, $-SO_2NR^4R^5$, $-S(O)_2OR^4$, $-NO_2$, $-NR^4R^5$, $-(CR^6R^7)_nOR^4$, -CN, $-C(O)R^4$, $-OC(O)R^4$, $-O(CR^6R^7)_nR^4$, $-NR^4C(O)R^5$, $-(CR^6R^7)_nC(O)OR^4$, $-(CR^6R^7)_nNCR^4R^5$, $-C(=NR^6)NR^4R^5$, $-NR^4C(O)NR^6R^6$, $-NR^4S(O)_pR^5$ or $-C(O)NR^4R^5$, and each hydrogen in R^{12} is optionally substituted by one or more R^3 groups;

R^1 and R^2 or R^1 and R^{12} may be combined together to form a C_{6-12} aryl, 5-12 membered heteroaryl, C_{3-12} cycloalkyl or 3-12 membered heterocalicyclic group;

m is 0, 1 or 2;

n is 0, 1, 2, 3 or 4; and

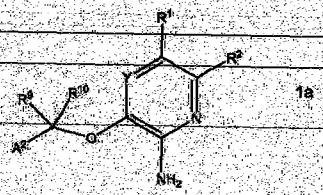
p is 1 or 2;

wherein said 3-12 membered heterocalicyclic group is selected from pyrroline, pyrrolidine, dioxolane, imidazoline, imidazolidine, pyrazoline, pyrazolidine, pyran, piperidine, dioxane, morpholine, dithiane, thiomorpholine, piperazine and trithiane and said 5-12 membered heteroaryl group is selected from furan, thiophene, pyrrole, oxazole, thiazole, imidazole, pyrazole, isoxazole, isothiazole, oxadiazole, triazole, thiadiazole, pyridine, pyridazine, pyrimidine, pyrazine and triazine;

or a pharmaceutically acceptable salt, solvate or hydrate thereof.

2-3. (Canceled)

4. The compound of claim 1, wherein the compound has formula Ia



1a

wherein A^2 is phenyl C_{6-12} aryl or 5-12 membered heteroaryl optionally substituted by one or more R^3 groups.

5. The compound of claim 4, wherein R^1 is selected from phenyl C_{6-12} aryl and 5-12 membered heteroaryl, and each hydrogen in R^1 is optionally substituted by one or more R^3 groups.

6. (Canceled)

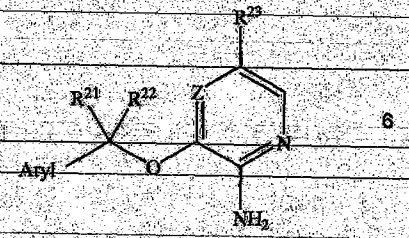
7. The compound of claim 4, wherein A^2 is substituted by at least one halogen atom.

8. (Canceled)

9. The compound of claim 1, wherein R^1 is a furan, thiopene, pyrrole, pyrroline, pyrrolidine, dioxolane, oxazole, thiazole, imidazole, imidazoline, imidazolidine, pyrazole, pyrazoline, pyrazolidine, isoxazole, isothiazole, oxadiazole, triazole, thiadiazole, pyran, pyridine, piperidine, dioxane, morpholine, dithiane, thiomorpholine, pyridazine, pyrimidine, pyrazine, piperazine, triazine, trithiane or phenyl group, and each hydrogen in R^1 is optionally substituted by one or more R^3 groups.

10-33. (Canceled)

34. A compound of formula 6



6

wherein,

Z is CH or N;

Aryl is an optionally fused aryl phenyl or an optionally fused heteroaryl group which is optionally substituted by one or more substituents selected from the group consisting of a halogen, $-OR^{24}$, $-COR^{24}$, $-COOR^{24}$, $-CONR^{24}R^{25}$, -CN, $-NO_2$, $-S(O)_mR^{24}$, $-SO_2NR^{24}R^{25}$, perfluoroalkyl, lower alkyl, cycloalkyl, heterocycle, alkenyl, alkynyl, phenyl aryl, $-NR^{24}R^{25}$, $-NR^{24}C(O)R^{25}$ and $-NR^{24}S(O)_pR^{25}$;

R^{21} and R^{22} are independently selected from the group consisting of hydrogen, halogen, $-COR^{24}$, $-COOR^{24}$, $-CONR^{24}R^{25}$, -CN, perfluoroalkyl, lower alkyl, cycloalkyl, heterocycle, alkenyl, alkynyl, and phenyl aryl;

R^{23} is selected from the group consisting of:

an optionally fused phenyl aryl, heteroaryl, alicyclic or heterocyclic group, optionally substituted by one or more substituents selected from the group consisting of a halogen, $-(CH_2)_n-OR^{24}$, $-COR^{24}$, $-COOR^{24}$, $-CONR^{24}R^{25}$, -CN, $-NO_2$, $-S(O)_mR^{24}$, $-SO_2NR^{24}R^{25}$, perfluoroalkyl, -O-perfluoroalkyl, lower alkyl, cycloalkyl, heterocycle, heteroaryl, alkenyl, alkynyl, phenyl aryl, $-(CH_2)_n-NR^{24}R^{25}$, $-NR^{24}C(O)R^{25}$ and $-NR^{24}S(O)_pR^{25}$, wherein said heterocycle, heteroaryl and phenyl aryl substituents may be optionally substituted by a group selected from the group consisting of lower alkyl, halogen, $-C(O)NR^{24}R^{25}$, $NR^{24}R^{25}$, $NR^{24}C(O)R^{25}$ and $NR^{24}S(O)_pR^{25}$, $-OR^{24}$, $-COR^{24}$, $-COOR^{24}$, -CN, $-NO_2$, $-S(O)_mR^{24}$, $-SO_2NR^{24}R^{25}$, perfluoroalkyl, cycloalkyl, heterocycle, alkenyl, and alkynyl;

R^{24} and R^{25} are independently selected from the group consisting of hydrogen, lower alkyl, cycloalkyl, alkenyl, alkynyl, phenyl aryl, aminoalkyl, alkylaminoalkyl, alkylaminocycloalkyl, dialkylaminoalkyl and $-(CH_2)_n$-heterocycle, wherein said $-(CH_2)_n$-heterocycle may be further substituted by one or more of lower alkyl, $-(CH_2)_n$-hydroxy, heterocycle and $-C(O)R^{26}$,

or R^{24} and R^{25} can combine to form a 5- to 6-membered heterocyclic ring having one or more heteroatoms selected from the group consisting of N, O, S, S(O) and SO_2, said 5- to 6-membered heterocyclic ring may be optionally substituted by lower alkyl, $-(CH_2)_n$-heterocycle, cycloalkyl, halo, $-(CH_2)_n-NR^{26}R^{27}$, amino, $-C(O)R^{26}$, $-NR^{26}-C(O)OR^{27}$ and $-NR^{26}-C(O)R^{27}$;

wherein R^{26} and R^{27} are independently selected from the group consisting of hydrogen, lower alkyl, $-(CH_2)_n$-cycloalkyl and $-C(O)-(CH_2)_n-OH$;

except that when Z is N and R^{21} and R^{22} are H and Aryl is m-chlorophenyl, R^{23} is not piperazine;

m is 0, 1 or 2;

n is 0, 1, 2 or 3;

p is 1 or 2;

wherein said heterocyclic group or heterocycle is selected from pyrroline, pyrrolidine, dioxolane, imidazoline, imidazolidine, pyrazoline, pyrazolidine, pyran, piperidine, dioxane, morpholine, dithiane, thiomorpholine, piperazine and tetrahiane and said heteroaryl group is selected from furan, thiophene, pyrrole, oxazole, thiazole, imidazole, pyrazole, isoxazole, isothiazole, oxadiazole, triazole, thiadiazole, pyridine, pyridazine, pyrimidine, pyrazine and triazine;

or a pharmaceutically acceptable salt thereof.

35. The compound of claim 34, wherein R^{23} is Aryl or heteroaryl.

36-37. (Canceled)

38. A compound selected from the group consisting of: (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-(4-methyl-piperazin-1-yl)-methanone; N-[2-(4-acetyl-piperazin-1-yl)-ethyl]-4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-benzamide; 4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-N-(3-pyrrolidin-1-yl-propyl)-benzamide; 4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-N-(2-morpholin-4-yl-ethyl)-benzamide; (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((S)-3-amino-pyrrolidin-1-yl)-methanone; (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((R)-3-amino-pyrrolidin-1-yl)-methanone; (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-(4-amino-piperidin-1-yl)-methanone; (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((S)-3-hydroxy-pyrrolidin-1-yl)-methanone; (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((R)-3-hydroxy-pyrrolidin-1-yl)-methanone; (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-

pyridin-3-yl}-phenyl)-((R)-2-hydroxymethyl-pyrrolidin-1-yl)-methanone; 4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-N-(2-diethylamino-ethyl)-benzamide; 4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-N-(2-pyrrolidin-1-yl-ethyl)-benzamide; 3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-benzoic acid; (3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-(4-methyl-piperazin-1-yl)-methanone; 3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-N-(1-methyl-piperidin-4-yl)-benzamide; (3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((S)-2-pyrrolidin-1-ylmethyl-pyrrolidin-1-yl)-methanone; N-[2-(4-acetyl-piperazin-1-yl)-ethyl]-3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-benzamide; (3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((S)-3-amino-pyrrolidin-1-yl)-methanone; 3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-N-(3-morpholin-4-yl-propyl)-benzamide; (3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((R)-2-pyrrolidin-1-ylmethyl-pyrrolidin-1-yl)-methanone; 3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-N-(2-pyrrolidin-1-yl-ethyl)-benzamide; 3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-N-(3-pyrrolidin-1-yl-propyl)-benzamide; 3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-N-(2-morpholin-4-yl-ethyl)-benzamide; (3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-(4-pyrrolidin-1-yl-piperidin-1-yl)-methanone; 2-diethylamino-ethanesulfonic acid (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-amide; 2-(4-Hydroxy-piperidin-1-yl)-ethanesulfonic acid (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-amide; 2-piperidin-1-yl-ethanesulfonic acid (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-amide; 2-(cyclopropylmethyl-amino)-ethanesulfonic acid (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-amide; 2-((R)-3-Hydroxy-pyrrolidin-1-yl)-ethanesulfonic acid (4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-amide; 2-cyclopropylamino-ethanesulfonic acid (4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-amide; 2-diethylamino-ethanesulfonic acid (4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-amide; 4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-benzoic acid; 4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-N-(2-morpholin-4-yl-ethyl)-benzamide; 4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-N-(1-methyl-piperidin-4-yl)-benzamide; (4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((R)-2-pyrrolidin-1-ylmethyl-pyrrolidin-1-yl)-methanone; (4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((R)-3-amino-pyrrolidin-1-yl)-methanone; (4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((3R,5S)-3,5-dimethyl-piperazin-1-yl)-methanone; 4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-N-(3-pyrrolidin-1-yl-propyl)-benzamide; (4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((S)-2-pyrrolidin-1-ylmethyl-pyrrolidin-1-yl)-methanone; (4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-(4-methyl-piperazin-1-yl)-methanone; (4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-(4-pyrrolidin-1-yl-piperidin-1-yl)-methanone; 4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-N-(2-pyrrolidin-1-yl-ethyl)-benzamide; (4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((S)-3-amino-pyrrolidin-1-yl)-methanone; 3-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-benzoic acid; (3-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((3R,5S)-3,5-dimethyl-piperazin-1-yl)-methanone; (3-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((R)-3-amino-pyrrolidin-1-yl)-methanone; 3-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-N-(1-methyl-piperidin-4-yl)-benzamide; (3-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-(4-methyl-piperazin-1-yl)-methanone; 3-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-N-(3-pyrrolidin-1-yl-propyl)-benzamide; 3-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-N-(2-pyrrolidin-1-yl-ethyl)-benzamide; (3-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((S)-3-amino-pyrrolidin-1-yl)-methanone; 3-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-N-(2-morpholin-4-yl-ethyl)-benzamide; (3-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((R)-2-pyrrolidin-1-ylmethyl-pyrrolidin-1-yl)-methanone; (3-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((S)-2-pyrrolidin-1-ylmethyl-

pyrrolidin-1-yl)-methanone; 3-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-5-[4-(2-morpholin-4-yl-ethoxy)-phenyl]-pyridin-2-ylamine; 3-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-5-[3-(2-morpholin-4-yl-ethoxy)-phenyl]-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-[4-(2-pyrrolidin-1-yl-ethoxy)-phenyl]-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-{4-[2-(1-methyl-pyrrolidin-2-yl)-ethoxy]-phenyl}-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-[4-(2-morpholin-4-yl-ethoxy)-phenyl]-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-[3-(2-morpholin-4-yl-ethoxy)-phenyl]-pyridin-2-ylamine; 1-(4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenoxy)-3-morpholin-4-yl-propan-2-ol; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-[4-(2-diethylamino-ethoxy)-phenyl]-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-[4-(1-methyl-piperidin-3-ylmethoxy)-phenyl]-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-[4-(2-diisopropylamino-ethoxy)-phenyl]-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-[4-(1-methyl-piperidin-4-yloxy)-phenyl]-pyridin-2-ylamine; N-(4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-methanesulfonamide; 3-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-5-[4-(1,1-dioxo-1lambda*6*-isothiazolidin-2-yl)-phenyl]-pyridin-2-ylamine; N-(4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-methanesulfonamide; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-phenyl-pyridin-2-ylamine; N-(4-{6-amino-5-[(R)-1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-methanesulfonamide; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-thiophen-3-yl-pyridin-2-ylamine; 5-benzo[b]thiophen-2-yl-3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-2-ylamine; 4-methyl-piperazine-1-carboxylic acid (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-amide; 1-(4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-3-(2-pyrrolidin-1-yl-ethyl)-urea; 1-(4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-3-(2-hydroxy-ethyl)-urea; 1-(4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-3-(2-morpholin-4-yl-ethyl)-urea; (R)-3-amino-pyrrolidine-1-carboxylic acid (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-amide; (S)-3-amino-pyrrolidine-1-carboxylic acid (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-amide; 1-(4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-3-(1-methyl-piperidin-4-yl)-urea; 1-(4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-3-(1-methyl-piperidin-4-yl)-urea; (R)-3-amino-pyrrolidine-1-carboxylic acid (4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-amide; (S)-3-amino-pyrrolidine-1-carboxylic acid (4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-amide; 1-(4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-3-(2-hydroxy-ethyl)-urea; 4-methyl-piperazine-1-carboxylic acid (4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-amide; 1-(4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-3-(2-pyrrolidin-1-yl-ethyl)-urea; 1-(4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-3-(2-morpholin-4-yl-ethyl)-urea; (R)-2-pyrrolidin-1-ylmethyl-pyrrolidine-1-carboxylic acid (4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-amide; 3-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-benzoic acid; (3-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((3R,5S)-3,5-dimethyl-piperazin-1-yl)-methanone; (3-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-(4-pyrrolidin-1-yl-piperidin-1-yl)-methanone; 3-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-N-(2-pyrrolidin-1-yl-ethyl)-benzamide; 3-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-N-(2-morpholin-4-yl-ethyl)-benzamide; (3-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((S)-2-pyrrolidin-1-ylmethyl-pyrrolidin-1-yl)-methanone; 3-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-N-(3-pyrrolidin-1-yl-propyl)-benzamide; N-[2-(4-acetyl-piperazin-1-yl)-ethyl]-3-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-benzamide; 3-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-N-(1-methyl-piperidin-4-yl)-benzamide; (3-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-(4-methyl-piperazin-1-yl)-methanone; (3-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((R)-2-pyrrolidin-1-ylmethyl-pyrrolidin-1-yl)-methanone; (3-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((S)-3-amino-pyrrolidin-1-yl)-methanone; (3-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((R)-3-amino-pyrrolidin-1-yl)-methanone; 4-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-benzoic acid; 4-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-

yl]-N-(2-pyrrolidin-1-yl-ethyl)-benzamide; 4-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-N-(2-morpholin-4-yl-ethyl)-benzamide; (4-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((S)-2-pyrrolidin-1-ylmethyl-pyrrolidin-1-yl)-methanone; 4-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-N-(1-methyl-piperidin-4-yl)-benzamide; (4-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((3R,5S)-3,5-dimethyl-piperazin-1-yl)-methanone; N-[2-(4-acetyl-piperazin-1-yl)-ethyl]-4-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-benzamide; 4-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-N-(3-pyrrolidin-1-yl-propyl)-benzamide; (4-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((S)-3-aminopyrrolidin-1-yl)-methanone; (4-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((R)-3-amino-pyrrolidin-1-yl)-methanone; (4-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((R)-2-pyrrolidin-1-ylmethyl-pyrrolidin-1-yl)-methanone; (4-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-(4-pyrrolidin-1-yl-piperidin-1-yl)-methanone; (4-{6-amino-5-[1-(2,6-dichloro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-(4-methyl-piperazin-1-yl)-methanone; (S)-2-pyrrolidin-1-ylmethyl-pyrrolidine-1-carboxylic acid (3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-prop-2-ynyl)-amide; 4-methyl-piperazine-1-carboxylic acid (3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-prop-2-ynyl)-amide; 4-pyrrolidin-1-yl-piperidine-1-carboxylic acid (3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-prop-2-ynyl)-amide; (3R,5S)-3,5-dimethyl-piperazine-1-carboxylic acid (3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-prop-2-ynyl)-amide; 1-(3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-prop-2-ynyl)-3-(1-methyl-piperidin-4-yl)-urea; 1-(3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-prop-2-ynyl)-3-(3-pyrrolidin-1-yl-propyl)-urea; 1-(3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-prop-2-ynyl)-3-(2-pyrrolidin-1-yl-ethyl)-urea; 1-(3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-prop-2-ynyl)-3-(2-morpholin-4-yl-ethyl)-urea; 1-(3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-prop-2-ynyl)-3-(3-morpholin-4-yl-propyl)-urea; (R)-2-pyrrolidin-1-ylmethyl-pyrrolidine-1-carboxylic acid (3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-prop-2-ynyl)-amide; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(3-dimethylamino-prop-1-ynyl)-pyridin-2-ylamine; (3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-prop-2-ynyl)-urea; N-(3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-prop-2-ynyl)-2-piperidin-1-yl-acetamide; N-(3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-prop-2-ynyl)-2-morpholin-4-yl-acetamide; N-(3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-prop-2-ynyl)-2-pyrrolidin-1-yl-acetamide; N-(3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-prop-2-ynyl)-2-((R)-3-hydroxy-pyrrolidin-1-yl)-acetamide; N-(3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-prop-2-ynyl)-2-(4-hydroxy-piperidin-1-yl)-acetamide; N-(3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-prop-2-ynyl)-2-dimethylamino-acetamide; N-(3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-prop-2-ynyl)-2-diethylamino-acetamide; 2-(4-acetyl-piperazin-1-yl)-N-(3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-prop-2-ynyl)-acetamide; 4-methyl-piperazine-1-carboxylic acid (3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-1,1-dimethyl-prop-2-ynyl)-amide; (3R,5S)-3,5-dimethyl-piperazine-1-carboxylic acid (3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-1,1-dimethyl-prop-2-ynyl)-amide; (R)-2-pyrrolidin-1-ylmethyl-pyrrolidine-1-carboxylic acid (3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-1,1-dimethyl-prop-2-ynyl)-amide; (S)-2-pyrrolidin-1-ylmethyl-pyrrolidine-1-carboxylic acid (3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-1,1-dimethyl-prop-2-ynyl)-amide; 1-(3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-1,1-dimethyl-prop-2-ynyl)-3-(2-morpholin-4-yl-ethyl)-urea; 1-(3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-1,1-dimethyl-prop-2-ynyl)-3-(2-pyrrolidin-1-yl-ethyl)-urea; 4-pyrrolidin-1-yl-piperidine-1-carboxylic acid (3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-1,1-dimethyl-prop-2-ynyl)-amide; 3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-propynoic acid cyclohexylamide; 3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-propynoic acid isopropylamide; 4-(3-amino-3-methyl-but-1-ynyl)-2-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-phenylamine; (4-{6-amino-5-[1-(3-fluoro-2-trifluoromethyl-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-(4-methyl-piperazin-1-yl)-methanone; (4-{6-amino-5-[1-(3-fluoro-2-trifluoromethyl-

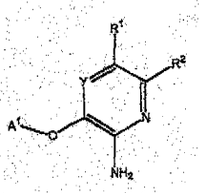
phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-(4-pyrrolidin-1-yl-piperidin-1yl)-methanone; (4-{6-amino-5-[1-(3-fluoro-2-trifluoromethyl-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((3R,5S)-3,5-dimethyl-piperazin-1-yl)-methanone; (4-{6-amino-5-[1-(3-fluoro-2-trifluoromethyl-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((S)-2-pyrrolidin-1-ylmethyl-pyrrolidin-1-yl)-methanone; (4-{6-amino-5-[1-(3-fluoro-2-trifluoromethyl-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((R)-2-pyrrolidin-1-ylmethyl-pyrrolidin-1-yl)-methanone; 4-{6-amino-5-[1-(3-fluoro-2-trifluoromethyl-phenyl)-ethoxy]-pyridin-3-yl}-N-(1-methyl-piperidin-4-yl)-benzamide; 4-{6-amino-5-[1-(3-fluoro-2-trifluoromethyl-phenyl)-ethoxy]-pyridin-3-yl}-N-(2-pyrrolidin-1-yl-ethyl)-benzamide; 4-{6-amino-5-[1-(3-fluoro-2-trifluoromethyl-phenyl)-ethoxy]-pyridin-3-yl}-N-(2-morpholin-4-yl-ethyl)-benzamide; 4-{6-amino-5-[1-(3-fluoro-2-trifluoromethyl-phenyl)-ethoxy]-pyridin-3-yl}-N-(3-pyrrolidin-1-yl-propyl)-benzamide; 4-{6-amino-5-[1-(3-fluoro-2-trifluoromethyl-phenyl)-ethoxy]-pyridin-3-yl}-N-(3-morpholin-4-yl-propyl)-benzamide; 6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-nicotinonitrile; 6-amino-5-[1-(2,6-dichloro-3-cyano-phenyl)-ethoxy]-nicotinonitrile; 5-aminomethyl-3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-2-ylamine; (R)-2-pyrrolidin-1-ylmethyl-pyrrolidine-1-carboxylic acid {6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-ylmethyl}-amide; N-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-ylmethyl}-methanesulfonamide; N-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-ylmethyl}-acetamide; N-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-ylmethyl}-4-methyl-benzenesulfonamide; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-vinyl-pyridin-2-ylamine; (S)-1-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-ethane-1,2-diol; (R)-1-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-ethane-1,2-diol; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(1H-pyrazol-4-yl)-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-[1-(2-pyrrolidin-1-yl-ethyl)-1H-pyrazol-4-yl]-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-[1-(2-diisopropylamino-ethyl)-1H-pyrazol-4-yl]-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-[1-(2-morpholin-4-yl-ethyl)-1H-pyrazol-4-yl]-pyridin-2-ylamine; 5-bromo-3-(3-fluoro-2-methoxy-benzyloxy)-pyridin-2-ylamine; 5-bromo-3-[1-(3-fluoro-2-methoxy-phenyl)-ethoxy]-pyridin-2-ylamine; {4-[6-amino-5-(3-fluoro-2-methoxy-benzyloxy)-pyridin-3-yl]-phenyl}-((3R,5S)-3,5-dimethyl-piperazin-1-yl)-methanone; (4-{6-amino-5-[1-(3-fluoro-2-methoxy-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((3R,5S)-3,5-dimethyl-piperazin-1-yl)-methanone; 5-bromo-3-(3-fluoro-2-isopropoxy-benzyloxy)-pyridin-2-ylamine; {4-[6-amino-5-(3-fluoro-2-isopropoxy-benzyloxy)-pyridin-3-yl]-phenyl}-((3R,5S)-3,5-dimethyl-piperazin-1-yl)-methanone; 5-(4-amino-phenyl)-3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-2-ylamine; {4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenoxy)-acetic acid methyl ester; (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenoxy)-acetic acid; 2-(4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenoxy)-1-((3R,5S)-3,5-dimethyl-piperazin-1-yl)-ethanone; 2-(4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenoxy)-1-((R)-3-hydroxy-pyrrolidin-1-yl)-ethanone; 4-[2-(4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenoxy)-acetyl]-piperazine-1-carboxylic acid tert-butyl ester; 2-(4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenoxy)-1-((R)-2-pyrrolidin-1-ylmethyl-pyrrolidin-1-yl)-ethanone; 5-bromo-3-(3-fluoro-6,7,8,9-tetrahydro-5H-benzocyclohepten-5-yloxy)-pyridin-2-ylamine; {4-[6-amino-5-(3-fluoro-6,7,8,9-tetrahydro-5H-benzocyclohepten-5-yloxy)-pyridin-3-yl]-phenyl}-((3R,5S)-3,5-dimethyl-piperazin-1-yl)-methanone; 3-(3-fluoro-6,7,8,9-tetrahydro-5H-benzocyclohepten-5-yloxy)-5-[4-(2-pyrrolidin-1-yl-ethoxy)-phenyl]-pyridin-2-ylamine; N-{4-[6-amino-5-(3-fluoro-6,7,8,9-tetrahydro-5H-benzocyclohepten-5-yloxy)-pyridin-3-yl]-phenyl}-methanesulfonamide; 3-(3-fluoro-6,7,8,9-tetrahydro-5H-benzocyclohepten-5-yloxy)-5-(1H-pyrazol-4-yl)-pyridin-2-ylamine; 5-bromo-3-[1-(2-chloro-3-fluoro-phenyl)-ethoxy]-pyridin-2-ylamine; 3-[1-(2-chloro-3-fluoro-phenyl)-ethoxy]-5-[4-(2-pyrrolidin-1-yl-ethoxy)-phenyl]-pyridin-2-ylamine; 5'-benzyloxy-[2,3']bipyridinyl-6'-ylamine; 5-benzyloxy-[3,3']bipyridinyl-6-ylamine; 3-benzyloxy-5-pyrimidin-5-yl-pyridin-2-ylamine; 5-benzyloxy-[3,3']bipyridinyl-6,6'-diamine; 5'-(2-chloro-benzyloxy)-[2,3']bipyridinyl-6'-ylamine; 5-(2-chloro-benzyloxy)-[3,3']bipyridinyl-6-ylamine; 3-(2-chloro-benzyloxy)-5-pyrimidin-5-yl-pyridin-2-ylamine; 5-(2-chloro-benzyloxy)-[3,3']bipyridinyl-6,6'-diamine; 5'-(4-chloro-benzyloxy)-[2,3']bipyridinyl-6'-ylamine; 5-(4-chloro-benzyloxy)-[3,3']bipyridinyl-6-ylamine; 3-(4-chloro-benzyloxy)-5-pyrimidin-5-yl-pyridin-2-ylamine; 5-(4-chloro-benzyloxy)-[3,3']bipyridinyl-6,6'-diamine; 5'-(2-chloro-3,6-difluoro-benzyloxy)-

[2,3']bipyridinyl-6'-ylamine; 5-(2-chloro-3,6-difluoro-benzyloxy)-[3,3']bipyridinyl-6-ylamine; 5-(2-chloro-3,6-difluoro-benzyloxy)-[3,4']bipyridinyl-6-ylamine; 3-(2-chloro3,6-difluoro-benzyloxy)-5-pyrimidin-5-yl-pyridin-2-ylamine; 5-(2-chloro-3,6-difluoro-benzyloxy)-[3,3']bipyridinyl-6,6'-diamine; 5'-(2,6-dichloro-benzyloxy)-[2,3']bipyridinyl-6'-ylamine; 5-(2,6-dichloro-benzyloxy)-[3,3']bipyridinyl-6-ylamine; 5-(2,6-dichloro-benzyloxy)-[3,4']bipyridinyl-6-ylamine; 3-(2,6-dichloro-benzyloxy)-5-pyrimidin-5-yl-pyridin-2-ylamine; 5-(2,6-dichloro-benzyloxy)-[3,3']bipyridinyl-6,6'-diamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-[3,3']bipyridinyl-6,6'-diamine; {6'-amino-5'-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-[2,3']bipyridinyl-4-yl}-(4-methyl-piperazin-1-yl)-methanone; {6'-amino-5'-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-[2,3']bipyridinyl-6-yl}-(4-methyl-piperazin-1-yl)-methanone; {6'-amino-5'-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-[3,3']bipyridinyl-5-yl}-(4-methyl-piperazin-1-yl)-methanone; {6'-amino-5'-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-[3,3']bipyridinyl-6-yl}-(4-methyl-piperazin-1-yl)-methanone; {6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-[3,4']bipyridinyl-2'-yl}-(4-methyl-piperazin-1-yl)-methanone; 5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-[3,3']bipyridinyl-6,6'-diamine; {6'-amino-5'-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-[2,3']bipyridinyl-5-yl}-(4-methyl-piperazin-1-yl)-methanone; {6'-amino-5'-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-[2,3']bipyridinyl-4-yl}-(4-methyl-piperazin-1-yl)-methanone; {6'-amino-5'-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-[2,3']bipyridinyl-6-yl}-(4-methyl-piperazin-1-yl)-methanone; {6'-amino-5'-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-[3,3']bipyridinyl-5-yl}-(4-methyl-piperazin-1-yl)-methanone; {6'-amino-5'-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-[3,3']bipyridinyl-6-yl}-(4-methyl-piperazin-1-yl)-methanone; {6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-[3,4']bipyridinyl-2'-yl}-(4-methyl-piperazin-1-yl)-methanone; 5'-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-[2,3']bipyridinyl-6'-ylamine; 5'-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-[2,3']bipyridinyl-6'-ylamine; 5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-[3,3']bipyridinyl-6-ylamine; 3-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-5-pyrimidin-5-yl-pyridin-2-ylamine; {6'-amino-5'-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-[2,3']bipyridinyl-5-yl}-(4-methyl-piperazin-1-yl)-methanone; 5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-[3,4']bipyridinyl-6-ylamine; 5-benzyloxy-3-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-2-ylamine; 3-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-5-(2-ethyl-butoxy)-pyridin-2-ylamine; 3-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-5-(3-methyl-butoxy)-pyridin-2-ylamine; 3-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-5-butoxy-pyridin-2-ylamine; 3-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-5-propoxy-pyridin-2-ylamine; 3-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-5-cyclohexylmethoxy-pyridin-2-ylamine; 6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-ol; 3-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-5-(2-cyclohexyl-ethoxy)-pyridin-2-ylamine; 3-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-5-isobutoxy-pyridin-2-ylamine; 3-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-5-phenethyloxy-pyridin-2-ylamine; 3-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-5-(pyridin-2-ylmethoxy)-pyridin-2-ylamine; 3-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-5-(pyridin-4-ylmethoxy)-pyridin-2-ylamine; (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((3R,5S)-3,5-dimethyl-piperazin-1-yl)-methanone; (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((3R,5S)-3,5-dimethyl-piperazin-1-yl)-methanone; 5-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-2-fluoro-benzonitrile; 4-(4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-piperidin-4-ol; (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-piperidin-1-yl-methanone; (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-pyrrolidin-1-yl-methanone; 4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-3-methyl-benzoic acid methyl ester; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-[4-(dimethyl-piperazin-1-ylmethyl)-phenyl]-pyridin-2-ylamine; (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-3,5-dimethoxy-phenyl)-(dimethyl-piperazin-1-yl)-methanone; (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-2-fluoro-phenyl)-(dimethyl-piperazin-1-yl)-methanone; (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-3-fluoro-phenyl)-(dimethyl-piperazin-1-yl)-methanone; (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-3-methyl-phenyl)-(dimethyl-piperazin-1-yl)-methanone; (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-(4-methyl-[1,4]diazepan-1-yl)-methanone; (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-[1,4]diazepan-1-yl-methanone; (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-piperazin-1-yl-methanone; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-

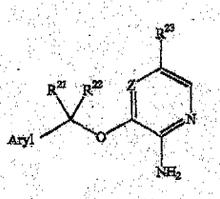
ethoxy]-5-vinyl-pyridin-2-ylamine; (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((3R,4S)-3,4-dihydroxy-pyrrolidin-1-yl)-methanone; 5-[(1-benzyl-pyrrolidin-3-ylamino)-methyl]-3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-2-ylamine; 4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-N-azetidin-3-yl-benzamide; 4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-N,N-dimethyl-benzenesulfonamide; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(6-methoxy-1H-benzoimidazol-2-yl)-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(6-methoxy-1-methyl-1H-benzoimidazol-2-yl)-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-[4-(4-methyl-[1,4]diazepane-1-sulfonyl)-phenyl]-pyridin-2-ylamine; 6-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-1-methyl-1H-indazole-3-carboxylic acid amide; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(1-methyl-1H-pyrazol-4-yl)-pyridin-2-ylamine; 5-(3-chloro-phenyl)-3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(4-fluoro-3-methyl-phenyl)-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(3-trifluoromethyl-phenyl)-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(3-fluoro-phenyl)-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(3-trifluoromethoxy-phenyl)-pyridin-2-ylamine; 5-benzo[1,3]dioxol-5-yl-3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-2-ylamine; 3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenol; (3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-methanol; 3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-benzonitrile; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(3-methoxy-phenyl)-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(3,5-dichloro-phenyl)-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(2,5-dimethyl-phenyl)-pyridin-2-ylamine; 5-(5-chloro-2-methoxy-phenyl)-3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-2-ylamine; 5-(3-chloro-4-fluoro-phenyl)-3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(5-fluoro-2-methoxy-phenyl)-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(3-isopropyl-phenyl)-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(3,4-dichloro-phenyl)-pyridin-2-ylamine; 4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-benzonitrile; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(3,4-difluoro-phenyl)-pyridin-2-ylamine; (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((2R,6S)-2,6-dimethyl-morpholin-4-yl)-methanone; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(2-ethoxy-phenyl)-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(2,5-dimethoxy-phenyl)-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(2,4-dimethoxy-phenyl)-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(2,6-dimethoxy-phenyl)-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(2-trifluoromethyl-phenyl)-pyridin-2-ylamine; 5-(2-chloro-phenyl)-3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(2-trifluoromethoxy-phenyl)-pyridin-2-ylamine; 1-(2-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-ethanone; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(2-fluoro-phenyl)-pyridin-2-ylamine; (2-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-methanol; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-o-tolyl-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(2-methoxy-phenyl)-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(2,6-dimethyl-phenyl)-pyridin-2-ylamine; (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-morpholin-4-yl-methanone; (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-2-chloro-phenyl)-((3R,5S)-dimethyl-piperazin-1-yl)-methanone; 4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-2-methyl-phenyl)-((3R,5S)-dimethyl-piperazin-1-yl)-methanone; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-[4-((2R,6S)-2,6-dimethyl-morpholin-4-ylmethyl)-phenyl]-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(4-morpholin-4-ylmethyl-phenyl)-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(3,5-dimethyl-phenyl)-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-m-tolyl-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(3,4-dimethoxy-phenyl)-pyridin-2-ylamine; 5-biphenyl-3-yl-3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-2-ylamine; 5-(3,5-bis-trifluoromethyl-phenyl)-3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(3,4-dichloro-phenyl)-pyridin-2-ylamine; 1-(3-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-ethanone; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(3,5-difluoro-phenyl)-pyridin-2-ylamine; 3-[1-(2,6-dichloro-3-

fluoro-phenyl)-ethoxy]-5-(2,5-dichloro-phenyl)-pyridin-2-ylamine; (4-{6-amino-5-[1-(2,6-dichloro-4-trifluoromethyl-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-((3R,5S)-3,5-dimethyl-piperazin-1-yl)-methanone; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(3-ethoxy-phenyl)-pyridin-2-ylamine; (4-{6-amino-5-[1-(2-trifluoromethyl-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-(3,5-dimethyl-piperazin-1-yl)-methanone; (4-{6-amino-5-[1-(3-trifluoromethyl-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-(3,5-dimethyl-piperazin-1-yl)-methanone; 7-[4-(3,5-dimethyl-piperazine-1-carbonyl)-phenyl]-2-phenyl-4H-pyrido[3,2-b][1,4]oxazin-3-one; {4-[6-amino-5-(3-fluoro-2-trifluoromethyl-benzyloxy)-pyridin-3-yl]-phenyl}-(3,5-dimethyl-piperazin-1-yl)-methanone; {4-[6-amino-5-(2,6-difluoro-benzyloxy)-pyridin-3-yl]-phenyl}-(3,5-dimethyl-piperazin-1-yl)-methanone; [4-(6-amino-5-benzyloxy-pyridin-3-yl)-phenyl]-(3,5-dimethyl-piperazin-1-yl)-methanone; (4-{6-amino-5-[1-(2-chloro-3,6-difluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-(4-ethyl-piperazin-1-yl)-methanone; [4-(6-amino-5-benzyloxy-pyridin-3-yl)-phenyl]-(4-ethyl-piperazin-1-yl)-methanone; {4-[6-amino-5-(2-methyl-benzyloxy)-pyridin-3-yl]-phenyl}-(3,5-dimethyl-piperazin-1-yl)-methanone; 3-{2-amino-5-[4-(4-pyrrolidin-1-yl-piperidine-1-carbonyl)-phenyl]-pyridin-3-yloxymethyl}-benzoic acid methyl ester; 3-{2-amino-5-[4-(3,5-dimethyl-piperazine-1-carbonyl)-phenyl]-pyridin-3-yloxymethyl}-benzoic acid methyl ester; {4-[6-amino-5-(2-methyl-benzyloxy)-pyridin-3-yl]-phenyl}-(4-pyrrolidin-1-yl-piperidin-1-yl)-methanone; [4-(6-amino-5-cyclohexylmethoxy-pyridin-3-yl)-phenyl]-(4-pyrrolidin-1-yl-piperidin-1-yl)-methanone; 4-(1-{2-amino-5-[4-(4-pyrrolidin-1-yl-piperidine-1-carbonyl)-phenyl]-pyridin-3-yloxy}-ethyl)-[2-(3-hydroxy-phenyl)-ethyl]-benzamide; 4-(1-{2-amino-5-[4-(4-pyrrolidin-1-yl-piperidine-1-carbonyl)-phenyl]-pyridin-3-yloxy}-ethyl)-[2-(2,6-dichloro-phenyl)-ethyl]-benzamide; 4-(1-{2-amino-5-[4-(4-pyrrolidin-1-yl-piperidine-1-carbonyl)-phenyl]-pyridin-3-yloxy}-ethyl)-(1-benzyl-piperidin-4-yl)-benzamide; 4-(1-{2-amino-5-[4-(4-pyrrolidin-1-yl-piperidine-1-carbonyl)-phenyl]-pyridin-3-yloxy}-ethyl)-[3-(2-oxo-pyrrolidin-1-yl)-propyl]-benzamide; (4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-(4-ethyl-piperazin-1-yl)-methanone; {4-[6-amino-5-(2,6-dichloro-benzyloxy)-pyridin-3-yl]-phenyl}-(3,5-dimethyl-piperazin-1-yl)-methanone; (6-amino-3-aza-bicyclo[3.1.0]hex-3-yl)-(4-{6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-methanone; 5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-6'-(2-morpholin-4-yl-ethoxy)-[3,3']bipyridinyl-6-ylamine; 6'-amino-5'-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-1-(2-pyrrolidin-1-yl-ethyl)-1H-[3,3']bipyridinyl-6-one; 5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-6'-(2-pyrrolidin-1-yl-ethoxy)-[3,3']bipyridinyl-6-ylamine; 6'-amino-5'-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-1-[2-(1-methyl-pyrrolidin-2-yl)-ethyl]-1H-[3,3']bipyridinyl-6-one; (4-{6-amino-5-[1-(2,4,6-trimethyl-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-(4-pyrrolidin-1-yl-piperidin-1-yl)-methanone; (4-{6-amino-5-[1-(2-chloro-6-fluoro-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-(4-pyrrolidin-1-yl-piperidin-1-yl)-methanone; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(4-fluoro-phenyl)-pyridin-2-ylamine; 6'-amino-5'-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-1H-[3,3']bipyridinyl-6-one; 5'-bromo-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-[3,3']bipyridinyl-6-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(4-dimethylamino-phenyl)-pyridin-2-ylamine; 5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-2'-methoxy-[3,3']bipyridinyl-6-ylamine; 3-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-5-(1H-indol-5-yl)-pyridin-2-ylamine; (4-{6-amino-5-[1-(2,6-dichloro-phenyl)-propoxy]-pyridin-3-yl}-phenyl)-(3,5-dimethyl-piperazin-1-yl)-methanone; [4-(6-amino-5-benzyloxy-pyridin-3-yl)-phenyl]-(4-pyrrolidin-1-yl-piperidin-1-yl)-methanone; 3-(2,6-dichloro-3-fluoro-benzyloxy)-5-thiazol-2-yl-pyridin-2-ylamine; (4-{6-amino-5-[1-(2-fluoro-6-trifluoromethyl-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-(4-pyrrolidin-1-yl-piperidin-1-yl)-methanone; 3-(2,6-dichloro-3-fluoro-benzyloxy)-5-(1-methyl-1H-imidazol-2-yl)-pyridin-2-ylamine; (4-{6-amino-5-(2,4,6-trimethyl-benzyloxy)-pyridin-3-yl]-phenyl}-(4-pyrrolidin-1-yl-piperidin-1-yl)-methanone; {4-[6-amino-5-(2,3,5,6-tetramethyl-benzyloxy)-pyridin-3-yl]-phenyl}-(4-pyrrolidin-1-yl-piperidin-1-yl)-methanone; {4-[6-amino-5-(2,4,6-trifluoro-benzyloxy)-pyridin-3-yl]-phenyl}-(4-pyrrolidin-1-yl-piperidin-1-yl)-methanone; (4-{6-amino-5-[1-(2-fluoro-6-trifluoromethyl-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-(4-pyrrolidin-1-yl-piperidin-1-yl)-methanone; 6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-N-methyl-nicotinamidine; 6-amino-5-[1-(2,6-dichloro-3-fluoro-phenyl)-ethoxy]-N-(2-morpholin-4-yl-ethyl)-nicotinamidine; (4-{6-amino-5-[1-(2,4,5-trifluoro-phenyl)-propoxy]-pyridin-3-yl}-phenyl)-(4-pyrrolidin-1-yl-piperidin-1-yl)-methanone; (4-{6-amino-5-[1-(6-chloro-2-fluoro-3-methyl-phenyl)-ethoxy]-pyridin-3-yl}-phenyl)-(4-pyrrolidin-1-yl-piperidin-1-yl)-methanone; 3-(1-{2-

Reivindicaciones 1- 5, 8 : Un compuesto de fórmula I.



Reivindicaciones 6-7 ,8 : Un compuesto de fórmula 6.



El problema planteado en esta solicitud es la necesidad proporcionar compuestos caracterizados ser inhibidores de las proteinquinasas

Para solucionar este problema técnico la solicitud en estudio proporciona derivados de 2-aminopiridina y 2-aminopirazina.

El objeto de la invención definido anteriormente se clasificó de acuerdo con la Clasificación Internacional de Patentes (IPC):, A61K31/4965, C07D401/00

De la solicitud de Patente

Reivindicaciones *(artículo 30 D 486)*

La reivindicación 1 carece de concisión cuando :

- En R1, R3, R4, R5, R6 y R7 Se habla de heteroalicíclico de 3-12 miembros: No se define los heteroátomos ni el número que lo pueden llegar a conformar.
- Cuando se dice que R3 es opcionalmente sustituido por R8 . No se definen los sustituyentes que cobijan a R8.
- Dentro del compuesto de fórmula 1 se encuentra el sustituyente A1. Sin embargo no se encuentra definido dentro de la reivindicación 1.
- No se encuentra la definición de R12

Se sugiere al solicitante introducir:

El significado de R8 , tal y como se encuentra en el folio 529, líneas 12-17 y el significado de R11 tal y como se encuentra en el folio 530 , líneas 1-8, teniendo en cuenta corregir la traducción de términos como: alquilo-O-C1-12 , cicloalquilo -O-(CH2)nC3-12, arilo-O-(CH2)nC6-12, por -Oalquilo C1-12, -O-(CH2)n cicloalquilo C3-12, -O-(CH2)n-ariloC6-12.

El significado de A1. tal y como se encuentra en el folio 529, quitando las excepciones ya que Y no es N; el significado de R9, R10 y A2 tal y como se encuentra en el folio 529 líneas 23-33.

Introducir la definición para R12, teniendo en cuenta que según los ejemplos R12 este siempre es hidrógeno.

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Introducir la definición de heteroaliciclico de 3 a 12 miembros y de heteroarilo de 5-12 miembros de la siguiente manera:

"En donde heteroaliciclico de 3 a 12 miembros es un grupo seleccionado de pirrolina, pirrolidina, dioxalano, imidazolina, pirazolina, pirazolidina, pirano, piperidina, dioxano, morfolina, ditiano, tiomorfolina, piperazina y tritiano"

"En donde el grupo heteroarilo de 5 a 12 miembros es un grupo seleccionado de furano, tiofeno, pirrol, oxazol, tiazol, imidazol, pirazol, isoxazol, isotiazol, oxadiazol, triazol, tiadiazol, piridina, piridazina, pirimidina, pirazina y triazina.

La reivindicación 6 carece de concisión cuando :

- Se encuentra el término " fenilo opcionalmente fusionado" No se define las características del anillo que puede estar fusionado a dicho grupo fenilo ; si es saturado , insaturado, aromático, si lleva heteroátomos o no, número de miembros o de àtomos de carbono que lo conforman . Por lo que se obtienen muchos núcleos estructurales que no encuentran sustento en la descripción . Se le requiere al solicitante definir las características de los anillos que se pueden fusionar al núcleo fenilo.

- Cuando se encuentran los términos perfluoroalquilo, alquilo inferior, cicloalquilo, alquenilo, alquinilo, grupo alicíclico, -O perfluoroalquilo, aminoalquilo, alquilaminoalquilo, alquilaminocicloalquilo, dialquilaminoalquilo, , ya que no se definen los átomos de carbono que pueden llegar a tener tanto la parte alquilica , como la parte cicloalquilica, como la parte aliciclica. Se le sugiere al solicitante especificar dichos términos de la siguiente manera

PerfluoroalquiloC1-12, alquiloC1-12, cicloalquilo C3-12, alquenilo C2-12, alquinilo C2-12, grupoaliciclico C3-12, -OperfluoroalquiloC1-12, aminoalquiloC1-12, alquilC1-12aminoalquilC1-12, alquilC1-12aminocicloalquiloC3-12, dialquilC1-12aminoalquiloC1-12,

Claridad

- En la reivindicación 1 cuando dice para cuando" cualquiera de dos entre R4, R5, R6 y R7 unidos al mismo átomo de nitrógeno pueden junto con el nitrógeno al que están unidos ser combinados para formar un heteroalicíclico de **13?** a 12 miembros.

Se debe corregir por heteroalicíclico de **3** a 12 miembros.

- Para la reivindicación 6 cuando se encuentra el término " Aryl" . Se deber corregir por arilo.

- Para la reivindicación 8 ;

En el folio 701A, el séptimo compuesto no se encuentra dentro del alcance del objeto reclamado en 1 o 6.

- En el folio 703A, el noveno compuesto no se encuentra dentro del alcance del objeto reclamado en 1 o 6.

- En el folio 704 el octavo compuesto no se encuentra dentro del alcance del objeto reclamado en 1 o 6.

Por lo tanto se le requiere al solicitante revisar los compuestos reclamados en la reivindicación 8 y dejar aquellos que se encuentren dentro del alcance de la materia reivindicada en 1 o en 6

Respuesta a los argumentos del solicitante.

- El solicitante presenta un nuevo capítulo reivindicatorio para dar mayor claridad a la materia reivindicada, en donde se eliminan las reivindicaciones 2-3,6-8,10-33,36-37 y 39-48. y la reivindicación 1 se limita a las modalidades ilustradas por los ejemplos , se delimitan los anillos heterocíclicos y arilo preferidos y R1 y R2 ahora solo pueden ser hidrógeno. Los términos hidratos y solvatos son eliminados del capítulo reivindicatorio.

Se aceptan las modificaciones presentadas por el solicitante, ya que no amplían el objeto de la solicitud inicial . Sin embargo dichas modificaciones presentan aún deficiencias en claridad y concisión como se expuso anteriormente las cuales deben ser corregidas.

- En cuanto a la falta de unidad de invención el solicitante argumenta que el capítulo reivindicatorio modificado ha sido limitado únicamente a cuando los compuestos de fórmula I en los que Y es CR12 (Y no puede ser N y por lo tanto no puede ser pirazina) y R1 y R2 son Hidrógeno. De tal manera los compuestos reivindicados se limitan únicamente a compuestos que presentan un núcleo 2-amino piridina sustituido por –O-A1 , los cuales presentan un efecto técnico común como se demuestra en las tablas 5 y 6 del capítulo descriptivo.

Se aceptan las modificaciones presentadas, sin embargo la solicitud no ha quedado limitada solo a los compuestos derivados de 2-aminopiridina , ya que en la reivindicación 6 el compuesto de fórmula 6 puede ser piridina y pirimidina. Pero teniendo en cuenta que con las restricciones realizadas por el solicitante, los compuestos cumplen con el requisito de novedad y de nivel inventivo , por lo tanto también cumplen con el requisito de unidad de invención.

- En cuanto a la evaluación de novedad el solicitante argumenta que con las restricciones realizadas D1 no puede afectar la novedad ya que R1 en el capítulo reivindicatorio modificado no es alquilo y D2 tampoco la afecta ya que R1 en el capítulo reivindicatorio modificado no es amida.

Se aceptan los argumentos del solicitante ya que con las modificaciones presentadas al capítulo reivindicatorio , el compuesto del ejemplo 2.21 de D1 y el compuesto 2.27 de D2 , quedan excluidos dentro del alcance del actual solicitud reestableciéndole la novedad.

Conclusión:

En cumplimiento del artículo 45 de la Decisión 486 de la Comisión de la Comunidad Andina, se le indica que debe dar respuesta dentro del término de sesenta días contados a partir de la fecha de notificación de la presente comunicación. En caso de no dar respuesta al presente requerimiento, o si a pesar de la respuesta subsistieran los impedimentos para la concesión, se denegará la patente.