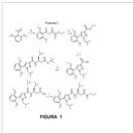


INFORME DE BÚSQUEDA DE PATENTES				
N° de solicitud: NC2016/0004908				
CRITERIOS PARA LA BÚSQUEDA (Anexar pantallazo o reporte en PDF, junto con los boléanos utilizados*. Para el caso de secuencias, anexar alineamientos)				
Palabras clave utilizadas	Triangle and pirazol triangle and pirazole and apelin and receptor and PD < 2014-06-06			
CLASIFICACIONES UTILIZADAS PARA LA BÚSQUEDA	CIP: A61K31/4155; A61P7/02; A61P9/10; A61P9/12; A61P9/14; C07D231/14; C07D403/06; C07D403/12; C07D407/12; C07D413/12			
CPC (Opcional):				
DOCUMENTOS CONSIDERADOS RELEVANTES (documentos patentes, literatura no patente, etc...)				
Informes/Base de datos	N° de solicitud/Autor**	Fecha de Publicación/Presentación (DD/MM/AAAA)	Reiv. afectadas (Con indicación, si procede, de las partes relevantes o números de secuencias)	Categorías especiales de los documentos citados***
SIPI (Obligatoria)	----	----	----	----
Google Patents	WO 2014/044738 US 20040082496	27/03/2014 29/04/2004	----	A A
Epoquenet	EP 0477049	25/03/1992	1 y 13	A
Espacenet	WO 2013/014204 WO 2012/166387	31/01/2013 06/12/2012	1 y 13 1 y 13	A A
*** Categorías especiales de documentos citados:				
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**** Indicar entre paréntesis la Autoridad que realizó la búsqueda o el informe preliminar Ejs: EPO, JP, INAPI.				

Literatura no patente **Se incluye entre otros, toda la referencia de la literatura no patente.	
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Fecha del reporte de búsqueda:	09/04/2018
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3 Casos asociados					
Expediente No.	Título	Figura Característica	Fecha de presentación	Estado(s)	Titular
☐ 05083226	COMPOSICION ESPERMICIDA Y/O ANTIFUNGICA Y METODOS DE USARLA		22 ago 2005	Negada	RESEARCH TRIANGLE INSTITUTE
☐ NC2016/0004908	COMPUESTOS DERIVADOS DE 1-FENIL-5-(2,6-DIALCOXIFENIL)PIRAZOL-3-CARBOXAMIDA		01 dic 2016	Bajo Examen de Fondo	RESEARCH TRIANGLE INSTITUTE



SEARCH TERMS



pirazole X + Synonym

apelin X + Synonym

receptor X + Synonym

+ Search term or CPC

SEARCH FIELDS



Before publication 2014-06-06 X



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C07D411/02?

Heterocyclic compounds containing two or more hetero rings, at least one ring having oxygen and sulfur atoms as the only ring hetero atoms containing two hetero rings

[Benzoimidazole-carboxylic acid amide derivatives as apj receptor modulators](#)[Application WO2014044738A1](#) • [Stephanie Hachtel](#) • [Sanofi](#)

Priority 2012-09-21 • Filing 2013-09-19 • Publication 2014-03-27

... which R', R'', R¹, R 2, R 3, R 4, R 5, R 6 and Z are defined as indicated below. The compounds of the formula I are APJ **receptor** modulators, and are useful for the treatment of diseases associated with increased blood pressure for example.

→ [Search within classification C07D411/02 \(2 results\)](#)

B01L2300/0822?

Slides

[Near-field illumination method and apparatus](#)[Application JP2009529676A](#) • [アダムソン, クリスティ・プレジデント](#) [アンド フェローズ オブ ハーバード カレッジ](#)

Priority 2006-03-10 • Filing 2007-03-09 • Publication 2009-08-20

... , or nucleic acid, Use according to claim 95. Protein is an antibody Use according to claim 98. Protein is a cell surface **receptor**, Use according to claim 98. Biomolecule is coupled to a detectable dye or label, use according to



SEARCH TERMS



pirazole X + Synonym

apelin X + Synonym

receptor X + Synonym

+ Search term or CPC

SEARCH FIELDS



Before publication 2014-06-06 X



+ Assignee

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C07D411/02?

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→ [Search within classification C07D411/02 \(2 results\)](#)

B01L2300/0822?

Slides

[Near-field illumination method and apparatus](#)[Application JP2009529676A](#) • [アダムソン, クリスティ・プレジデント](#) [アンド フェローズ オブ ハーバード カレッジ](#)

Priority 2006-03-10 • Filing 2007-03-09 • Publication 2009-08-20

... , or nucleic acid, Use according to claim 95. Protein is an antibody Use according to claim 98. Protein is a cell surface **receptor**, Use according to claim 98. Biomolecule is coupled to a detectable dye or label, use according to

SEARCH TERMS

apelin x or + Synonym

agonists x or + Synonym

pyrazole x or + Synonym

+ Synonym F17C2250/0443

SEARCH FIELDS

Date · Publication · YYYY-MM-DD · 2014-06-06

+ Inventor

+ Assignee

Patent Office · Language · Status · Type

About 13 results

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Diabetes-associated markers and methods of use thereof

Application US20070259377A1 · Mickey Urdea · Mickey Urdea

Priority 2005-10-11 · Filing 2007-04-18 · Publication 2007-11-08

Disclosed are methods of identifying subjects with Diabetes, pre-Diabetes, or a pre-diabetic condition, methods of identifying subjects at risk for developing Diabetes, pre-Diabetes, or a pre-diabetic condition, methods of differentially diagnosing diseases associated with Diabetes, pre-Diabetes, ...

ACE-2 modulating compounds and methods of use thereof

Application US20040082496A1 · Susan Acton · Acton Susan L.

Priority 1999-04-30 · Filing 2001-10-31 · Publication 2004-04-29

1 - 4 further comprising administering a pharmaceutical acceptable carrier. 28. A method of promoting weight gain in a subject, comprising administering to said subject an effective amount of an ACE-2 agonist. 29. The method of claim 28, wherein said ACE-2 agonist is a compound of the formula: Z-A

Diabetes-related biomarkers and methods of use thereof

Application US20090012716A1 · Michael S. Urdea · Tethys Bioscience, Inc.

Priority 2005-10-11 · Filing 2008-04-18 · Publication 2009-01-08

The invention describes biomarkers which can be used to predict the likelihood that an individual will develop Diabetes. The biomarkers can also be used to screen large groups in order to identify individuals at risk of developing Diabetes.

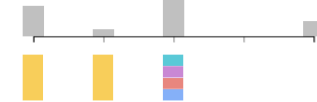
Chemical libraries useful for drug discovery processes

Application WO2003003008A1 · Thomas Högberg · 7Tm Pharma A/S

Priority 2001-06-29 · Filing 2002-06-28 · Publication 2003-01-09

Use of chemical compounds or selections of chemical compounds (libraries) of the general formula (I): for in vivo methods for testing or validating the physiological importance and/or the therapeutic or pharmacological potential of biological target molecules, notably proteins such as, e.g., ...

Top 1000 results by filing date



Relative count of top 5 values

Assignees	Inventors	CPCs
Tethys Bioscience, Inc.		15.3%
G01N2800/042 G01N2800/04 G01N2800/00 G01N2800/52		
Mickey Urdea		15.3%
G01N2800/00 G01N2800/52 G01N33/48 G01N33/00		
Hubert Koster		15.3%
G01N33/6842 G01N33/6848 G01N33/6803 G01N33/68		
Mckenna Michael		15.3%
G01N2800/52 G01N2800/00 G01N33/48 G01N33/00		
Patrick Arensdorf		15.3%
G01N2800/00 G01N2800/52 G01N33/48 G01N33/00		

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Search type: Identity Similarity Substructure

Similarity search

Tanimoto threshold %: 85

Return structures: Found in claims All

Country: All

Number of structures to return: 50

Search Clear

About Similarity Search

Chemical structure diagram showing a pyrazole ring substituted with a phenyl group and a methoxyphenyl group, and a carbonyl group attached to a nitrogen atom.

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chemical explorer

Search type:

Identity search

Identity type:	Description
☒ Narrow	Returns chemical structures with same distribution of electrons, atom isotopes, stereochemistry and connected fragments (if specified).
☐ Broad	Returns chemical structures independent of distribution of electrons, atom isotopes, stereochemistry and connected fragments (if specified).
☐ Tautomer	Returns chemical structures that are tautomers of the provided chemical structure.

Return structures:
☒ Found in claims ☐ All

Country:

Number of structures to return:

fiveIPOffices - CCD Search ? Help

Number: Search examples: EP1612402, US2006000447A1, JP20090214944

WO2015US34427

CCD Viewer Export Inspector: classifications and fields searched

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#	CC	Cat.	Citation details	Claims
1	JP		Application N° JP20160567569 (JP2016567569) - 5 June 2015	
2	MX		Application N° MX20160014890 (MX2016014890) - 5 June 2015	
3	PE		Application N° PE20160002511 (PE2016002511) - 5 June 2015	
4	KR		Application N° KR20167034464 (KR1020167034464) - 5 June 2015	
5	CN		Application N° CN2015830455 (CN201580030455.0) - 5 June 2015	
6	CA		Application N° CA20152949559 (CA2949559) - 5 June 2015	
7	AU		Application N° AU20150269247 (AU2015269247) - 5 June 2015	
8	US		Application N° US201515023510 (US15023510) - 5 June 2015	
9	EP		Application N° EP20150734748 (EP15734748.5) - 5 June 2015	
10	WO		Application N° WO2015US34427 (WOUS2015/034427) - 5 June 2015	

Simple families: 1 Total family members: 10

Classifications

JP

IPC: C07D231/14, A61K31/415, A61K31/4155, A61K31/422, A61K31/427, A61K31/454, A61K31/496, A61K31/506, A61K38/00, A61K45/00, A61P1/16, A61P3/00, A61P3/04, A61P3/06, A61P3/10, A61P7/02, A61P9/00, A61P9/12, A61P11/06, A61P13/12, A61P25/00, A61P25/18, A61P25/32, A61P25/36, A61P29/00, A61P31/12, A61P31/18, A61P35/00, A61P43/00, C07D277/36, C07D403/06, C07D403/12, C07D405/12, C07D413/12, C07K5/02

CPC: C07D403/12, C07D231/14, C07D403/06, C07D405/12, C07D407/12, C07D413/12, A61K45/06, A61K31/415, A61K31/4155, A61K31/422, A61K31/454, A61K31/496

MX

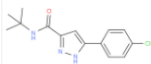
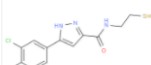
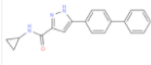
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CPC: C07D403/12, C07D231/14, C07D403/06, C07D405/12, C07D407/12, C07D413/12, A61K45/06, A61K31/415, A61K31/4155, A61K31/422, A61K31/454, A61K31/496

PE

IPC: A61K31/4155, A61P7/02, A61P9/10, A61P9/12, A61P9/14, C07D231/14, C07D403/06, C07D403/12,

Number of structures found: 17

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#	Structure	Details			Tanimoto similarity	Publications
1) ☒		N-tert-butyl-5-(4-chlorophenyl)-1H-pyrazole-3-carboxamide IUPAC Name: N-tert-butyl-3-(4-chlorophenyl)-1H-pyrazole-5-carboxamide Molecular Weight: 277.749 g/mol InChIKey: MEKCLWQAHRTXKR-UHFFFAOYSA-N SMILES: C(C)(C)C(=O)NC(=O)C1=NNC(=C1)C=CC=C(C=C1)Cl Formula: C ₁₄ H ₁₆ ClN ₃ O 1 patent publications found View in PatBase Stats Links: PubChem ChemSpider Wikipedia Save MOL			98.59%	1
2) ☒		5-(3,4-dichlorophenyl)-N-(2-sulfanylethyl)-1H-pyrazol-3-amine IUPAC Name: 3-(3,4-dichlorophenyl)-N-(2-sulfanylethyl)-1H-pyrazole-5-carboxamide Molecular Weight: 316.206 g/mol InChIKey: KHHCIDIXWOBWKI-UHFFFAOYSA-N SMILES: ClC1=CC(=C(C=CC1C1)C1=CC(=NN1)C(=O)NCCS Formula: C ₁₂ H ₁₁ Cl ₂ N ₃ OS 2 patent publications found View in PatBase Stats Links: PubChem ChemSpider Wikipedia Save MOL			90.67%	2
3) ☒		N-cyclopropyl-3-(4-phenylphenyl)-1H-pyrazole-5-carboxamide IUPAC Name: N-cyclopropyl-3-(4-phenylphenyl)-1H-pyrazole-5-carboxamide Molecular Weight: 303.358 g/mol InChIKey: DESVJUUJRLKOK-UHFFFAOYSA-N SMILES: C1=CC(=CC(=C1)C=2NN=C(C2)C(=O)NC3CC3)C4=CC=CC=C4 Formula: C ₁₉ H ₁₇ N ₃ O 5 patent publications found View in PatBase Stats Links: PubChem ChemSpider Wikipedia Save MOL			88.89%	5