

INFORME DE BÚSQUEDA DE PATENTES				
N° de solicitud: NC2017/0012622				
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		"muscarinic", "receptor"		
CLASIFICACIONES UTILIZADAS PARA LA BÚSQUEDA		CIP: C07D 471/04, A61K 31/4375, A61P 9/06, A61P 13/12.		
		CPC:		
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	10160882	22/12/2010	-	A
	10137232	04/10/2010	-	A
	13287756	09/12/2013	-	A
	14093156	30/04/2014	-	A
	NC2016/0003057	18/10/2016	-	A
	NC2016/0004930	2/12/2016	-	A
ISR	EP1650192	26/04/2006	1, 4 y 5	Y
	WO2005028451	31/03/2005	-	A
Patbase				
STN				
Google académico**				
*** Categorías especiales de documentos citados:				
"A" documento que define el estado general de la técnica no considerado como particularmente relevante. "E" solicitud de patente o patente anterior pero publicada en la fecha de presentación internacional o en fecha posterior. "P" documento publicado antes de la fecha de presentación internacional pero con posterioridad a la fecha de prioridad reivindicada.		"X" documento particularmente relevante; la invención reivindicada no puede considerarse nueva o que implique una actividad inventiva por referencia al documento aisladamente considerado. "Y" documento particularmente relevante; la invención reivindicada no puede considerarse que implique una actividad inventiva cuando el documento se asocia a otro u otros documentos de la misma naturaleza, cuya combinación resulta evidente para un experto en la materia.		
**** Indicar entre paréntesis la Autoridad que realizó la búsqueda o el informe preliminar Ejs: EPO, JP, INAPI.				

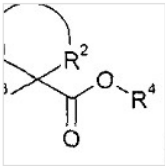
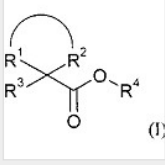
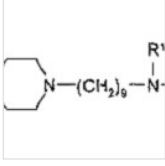
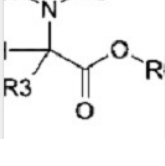
Literatura no patente **Se incluye entre otros, toda la referencia de la literatura no patente.	Patrick, G. (2013). <i>An introduction to medicinal chemistry</i> (5th ed., pp. 219 y 221). United Kingdom. Croy, C., Schober, D., Xiao, H., Quets, A., Christopoulos, A., & Felder, C. (2014). Characterization of the Novel Positive Allosteric Modulator, LY2119620, at the Muscarinic M2 and M4 Receptors. <i>Molecular Pharmacology</i> , 86(1), 106-115. doi: 10.1124/mol.114.091751
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Fecha del reporte de búsqueda:	24/12/2018
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BÚSQUEDA DE SOLICITUDES DE PATENTE/MODELO DE UTILIDAD/PCT/ESQUEMAS DE TRAZADO

⊖ Criterio de búsqueda

Número de expediente	
Número de Concesión / Certificado	
Título	
Título inicial	
Búsqueda de Texto completo	muscarínico

☐	 10134211	COMPUESTOS DE 2-AMIDO-3-METIL PIRROLO PIRIMIDINONA FENILO -SUSTITUIDOS COMO INHIBIDORES BACE-1 COMPOSICIONES Y SU USO		Abandonada	AMIRA VILLA ROJAS
☐	 10137232	DERIVADOS DE QUINUCLIDINA COMO ANTAGONISTAS DEL RECEPTOR MUSCARÍNICO M3, PROCESO PARA SU PREPARACIÓN Y COMPOSICIONES FARMACÉUTICAS QUE LOS CONTIENEN		Caducado	HASBLEYDI LIZBETH CALVO ROJAS
☐	 10160882	COMPUESTOS NOVEDOSOS ACTIVOS COMO ANTAGONISTAS DE RECEPTOR MUSCARINICO		Abandonada	AMIRA VILLA ROJAS
☐	 11078448	DERIVADOS AMINOÉSTER DE ALCALOIDES Y COMPOSICIÓN MEDICINAL DE LOS MISMOS		Negada	Nuevas creaciones

ChemSpider

Search and share chemistry

Simple Structure Advanced History

Matches any text strings used to describe a molecule.

AECFHDHGFRDMIF-UHFFFAOYSA-N

Systematic Name, Synonym, Trade Name, Registry Number, SMILES, InChI or CSID 

FILTER 

Search Hits Limit:

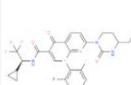
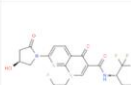
Found 0 results

Search term: **AECFHDHGFRDMIF-UHFFFAOYSA-N** [Search for partial matches](#)

Search History

#	Search query	Results
14	[Chemical Explorer]: Selected structures (40)	2
13	[Chemical Explorer]: 1 -(2, 4-Difluorophenyl)-7- [3 -hydroxy-3 -methyl-2-oxopyrrolidin- 1 -yl] -4-oxo-N- [(2R)- 1, 1, 1 -trifluorobutan-2- yl]-l, 4-dihydro-l, 8-naphthyridin-3-carboxylic acid amide	1
12	[Chemical Explorer]: 7-[(3R, 4R)-3, 4-Dihydroxypyrrolidin- 1 -yl]-4-oxo-N-[(2S)- 1, 1, 1 -trifluorobutan-2-yl] - 1 -(2, 4, 6- trifluorophenyl)- 1, 4-dihydro- 1, 8-naphthyridin-3- carboxamide	1
11	[Chemical Explorer]: N- [1 -(2-Chlorophenyl)-2, 2, 2-trifluorethyl] - 1 -(2, 4-difluorophenyl)-7- [(4S)-4-hydroxy-2-oxopyrrolidin- 1 -yl] - 4-oxo-l, 4-dihydro-l, 8-naphthyridin-3-carboxylic acid amide	1
10	[Chemical Explorer]: N- [1 -(2-Chlorophenyl)-2, 2, 2-trifluorethyl] - 1 -(2, 4-difluorophenyl)-7- [(4S)-4-hydroxy-2-oxopyrrolidin- 1 -yl] - 4-oxo-l, 4-dihydro-l, 8-naphthyridin-3-carboxylic acid amide	1
9	[Chemical Explorer]: 1 -(2, 6-Difluorophenyl)-7- [(4S)-4-hydroxy-2-oxopyrrolidin- 1 -yl] -4-oxo-N- [(2R)- 1, 1, 1 -trifluorobutan-2-yl] - l, 4-dihydro-l, 8-naphthyridin-3-carboxylic acid amide	1
8	[Chemical Explorer]: N-(1, 1 -Difluor-2-methylpropan-2-yl)-7- [(4S)-4-hydroxy-2-oxopyrrolidin-l -yl] -4-oxo-l -(2, 4, 6- trifluorophenyl)- 1, 4-dihydro- 1, 8-naphthyridin-3-carboxylic acid amide	1
7	[Chemical Explorer]: N- [(1 S)- 1 -Cyclopropyl-2, 2, 2-trifluorethyl] -7- [4-ethyl-2-oxotetrahydropyrimidin- 1 (2H)-yl] -4-oxo- 1 -(2, 4, 6- trifluorophenyl)-l, 4-dihydro-l, 8-naphthyridin-3- carboxylic acid amide	1
6	[Chemical Explorer]: Methyl- { 1-{5-oxo-6- { [(2S)- 1, 1, 1 -trifluorobutan-2-yl]carbamoyl} -8-(2, 4, 6-trifluorophenyl)-5, 8-dihydro- 1, 8- naphthyridin-2-yl}imidazolidin-2-yliden)carbamate	1
5	[Chemical Explorer]: 1 -(2, 6-Difluorophenyl)-4-oxo-7-(2-oxoimidazo lidin- 1 -yl)-N-[(2R)- 1, 1, 1 -trifluorobutan-2-yl]- 1, 4-dihydro- 1, 8-naphthyridin-3-carboxamide	1
4	[Chemical Explorer]: 1-(2, 4-Difluorophenyl)-N-(2, 6-difluorophenyl)-7-(dimethylamino)-4-oxo-1, 4-dihydro-1, 8-naphthyridine-3-carboxamide	1
3	[SP]: 1: a compound of formula (I) [time=126431890]in which r1 is nr4r5, in which r4 is hydrogen, methyl, (c2-c4)-alkyl or (c3-c6)-cycloalkyl, where (c2-c4)-alkyl may be substituted by hydroxyl or up to trisubstituted by fluorineand r5 is (c1-c6)-alkyl, (c3-c6)-cycloalkyl, 3- to 6-membered saturated heterocyclyl or (c1-c4)-alkylsulphonyl, where (c1-c6)-alkyl, (c3-c6)-cycloalkyl and 3- to 6-membered saturated heterocyclyl may be up to trisubstituted, identically or differently, by methyl... show full search	0
2	[Chemical Explorer]: N-tert-Butyl-1-(2, 4-difluorophenyl)-7-(dimethylamino)-4-oxo-1, 4-dihydro-1, 8-naphthyridine-3-carboxamide	1

#	Search query	Results	Options
7	3 and 6	10	View Browse Hits Optimise more...
6	SFT=(receptor)	395623	View Browse Hits Optimise more...
5	3 and 4	3	View Browse Hits Optimise more...
4	SFT=(muscarine)	1559	View Browse Hits Optimise more...
3	[Chemical Explorer]: Selected structures (24)	60	View Browse Hits Optimise more...
2	[Chemical Explorer]: 1 -(2-fluorophenyl)-4-oxo- 1, 4-dihydro- 1, 8-naphthyridin-3-carboxylic acid	1	View Browse Hits Optimise more...
1	[Chemical Explorer]: 7-(Dimethylamino)- 1 -(2-fluorophenyl)-4-oxo- 1, 4-dihydro- 1, 8-naphthyridin-3-carboxylic acid	1	View Browse Hits Optimise more...

#	Structure	Details	Pub
1)		1-(2,6-Difluorophenyl)-4-oxo-7-(2-oxoimidazo lidin- 1 -yl)-N-[(2R)- 1,1,1 -trifluorobutan-2-yl]- 1,4-dihydro- 1,8-naphthyridin-3-carboxamide IUPAC Name: 1-(2,6-difluorophenyl)-4-oxo-7-(2-oxoimidazolidin-1-yl)-N-[(2R)-1,1,1-trifluorobutan-2-yl]-1,8-naphthyridine-3-carboxamide Molecular Weight: 495.402 g/mol InChIKey: OSVWVYXZHLUGR-OAHLLOKOSA-N SMILES: FC1=C(C(=CC=C1)F)N1C=O(C(C2=CC=C(C(N=C12)N(C)C(=O)O)C(=O)N(C)C(F)(F)F)CC Formula: C ₂₂ H ₁₈ F ₉ N ₅ O ₃ 6 patent publications found View in PatBase Stats Analytics il Links: PubChem ChemSpider Wikipedia Save MOL	6
2)		Methyl- { 1-{5-oxo-6- { [(2S)- 1,1,1 -trifluorobutan-2-yl]carbamoyl} -8-(2,4,6-trifluorophenyl)-5,8-dihydro- 1,8- naphthyridin-2-yl}imidazolidin-2-yliden)carbamate IUPAC Name: methyl N-1-[5-oxo-6-[(2S)-1,1,1-trifluorobutan-2-yl]carbamoyl]-8-(2,4,6-trifluorophenyl)-1,8-naphthyridin-2-yl]-4,5-dihydroimidazol-2-yl]carbamate Molecular Weight: 570.444 g/mol InChIKey: GULRODNJWRGQGT-INIZCTEOSA-N SMILES: COC(=O)N1C(=O)NC1=NC=C(C(C2=CC=C(C(N=C2)N(C)C(=O)O)C(=O)N(C)C(F)(F)F)CC)=O)C1=C(C(=C(C1F)F)F)F=O Formula: C ₂₄ H ₂₀ F ₉ N ₅ O ₄ 6 patent publications found View in PatBase Stats Analytics il Links: PubChem ChemSpider Wikipedia Save MOL	6
3)		N- [(1 S)- 1 -Cyclopropyl-2,2,2-trifluorethyl] -7- [4-ethyl-2-oxotetrahydropyrimidin- 1 (2H)-yl] -4-oxo- 1 -(2,4,6- trifluorophenyl)-l,4-dihydro-l,8-naphthyridin-3-carboxylic aci d amide IUPAC Name: N-[(1S)-1-cyclopropyl-2,2,2-trifluorethyl]-7-[4-ethyl-2-oxo-1,3-diazinan-1-yl]-4-oxo-1-(2,4,6-trifluorophenyl)-1,8-naphthyridine-3-carboxamide Molecular Weight: 567.483 g/mol InChIKey: HNXZWHIFNNVDL-JDMGRSRBSA-N SMILES: C1(CC1)[C@@H](C(F)(F)F)NC(=O)C1=CN(C2=NC(=CC=C2C1=O)N1C(NC(CC1)CC)=O)C1=C(C(=C(C1F)F)F)F Formula: C ₂₆ H ₂₃ F ₉ N ₅ O ₃ 6 patent publications found View in PatBase Stats Analytics il Links: PubChem ChemSpider Wikipedia Save MOL	6
4)		7- [(4S)-4-Hydroxy-2-oxopyrrolidin- 1 -yl] -4-oxo-N- [(2S)- 1,1,1 -trifluor-3,3-dimethylbutan-2-yl] - 1 -(2,4,6- trifluorophenyl)- 1,4-dihydro- 1,8-naphthyridin-3-carboxylic acid amide IUPAC Name: 7-[(4S)-4-hydroxy-2-oxopyrrolidin-1-yl]-4-oxo-N-[(2S)-1,1,1-trifluoro-3,3-dimethylbutan-2-yl]-1-(2,4,6-trifluorophenyl)-1,8-naphthyridine-3-carboxamide Molecular Weight: 556.457 g/mol InChIKey: SUCOQGRCYHBRKL-MYODQAERSA-N SMILES: O[C@@H]1CC(N(C1)C1=CC=C2C(C(=CN(C2=N1)C1=C(C(=C(C1F)F)F)C(=O)N(C)C(F)(F)F)C(C)C(C)C(=O)O Formula: C ₂₈ H ₂₂ F ₉ N ₅ O ₄ 6 patent publications found View in PatBase Stats Analytics il	6

Search: C1C(N(C)[H])=NC2N(C=C(C(=O)N(CCF)[H])C(=O)C=2C=1)C1C=CC=CC=1F

[Run](#) | [Delete](#)

Search type: Similarity (95%)

Country: All

Date: 24-12-2018 13:47:09

Search: C([H])1=C([H])C2=C(N(C3=C(F)C([H])=C([H])C([H])=C3[H])C([H])=C(C2=O)C(N([H])C([H])([H])C([H])([H])F)=O)N=C1N([H])C([H])([H])[H]

[Run](#) | [Delete](#)

Search type: Identity (Narrow - Returns chemical structures with same distribution of electrons, atom isotopes, stereochemistry and connected fragments (if specified).)

Country: All

Date: 24-12-2018 13:46:59

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[Run](#) | [Delete](#)

Search type: Similarity (95%)

Country: All

Date: 24-12-2018 13:42:37

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[Run](#) | [Delete](#)

Search type: Identity (Narrow - Returns chemical structures with same distribution of electrons, atom isotopes, stereochemistry and connected fragments (if specified).)

Country: All

Date: 24-12-2018 13:42:27

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[Run](#) | [Delete](#)

Search type: Substructure

Country: All

Date: 24-12-2018 13:41:49

Search: C([H])1C(N([H])C([H])([H])

[Run](#) | [Delete](#)

[H])=NC2N(C3=C([H])C([H])=C([H])C([H])=C3F)C([H])=C(C(=O)O[H])C(=O)C=2C=1[H]

Search type: Identity (Narrow - Returns chemical structures with same distribution of electrons, atom isotopes, stereochemistry and connected fragments (if specified).)

Country: All

Date: 25-12-2018 01:15:45

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[Run](#) | [Delete](#)

Search type: Similarity (95%)

Country: All

Date: 25-12-2018 01:14:34

Search: C1C(F)=NC2N(C3=CC=CC=C3)C=C(C(=O)NCCF)C(=O)C=2C=1

[Run](#) | [Delete](#)

Search type: Similarity (95%)

Country: All

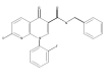
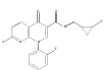
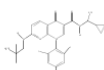
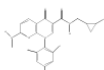
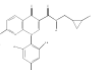
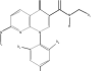
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L1	STRUCTURE UPLOADED	Edit	...
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L4	0 S L3 SSS FULL		
L5	STRUCTURE UPLOADED	Edit	...
L6	2 S L5 SSS FULL		...

L6	2	S	L5 SSS FULL	 ...
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L7	7966	S	L6}	 ...
L8	1	S	L6	 ...
L9	22	S	NAPHTHYRIDINECARBOXAMIDES	 ...
L10	2857	S	"MUSCARINIC M2 RECEPTORS" OR "RECEPTORS, M2 MUSCARINIC" OR "M	 ...
L11	1	S	L9 AND L10	 ...

☐ 2018_0025_Structure 		 Edit	 Upload ...
☐ 2018_0024_Structure 		 Edit	 Upload ...
☐ 2018_0029_Structure 		 Edit	 Upload ...
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☐ 2018_0027_Structure 		 Edit	 Upload ...
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