

INFORME DE BÚSQUEDA DE PATENTES

N° de solicitud: NC2018/0002348

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 Phosphoramidate and hepatitis C and nucleoside and fluoroguanine

CLASIFICACIONES UTILIZADAS PARA LA BÚSQUEDA CIP: C07H 19/06, A61P 31/14, C07H 19/16

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	13242985	23/10/2013	-----	A
	11100194	05/03/2012	-----	A
	13098918	16/05/2013	-----	A
	13004205	20/05/2013	-----	A
EPO	WO2007020193	22/02/2007	-----	A
	WO2011039221	07/04/2011	-----	A
	WO2010081082	15/07/2010	-----	A
	WO2008121634	09/10/2008	-----	A
	WO2010075554	01/07/2010	-----	A
Patbase*	US2016237106	18/08/2016	-----	P
	US2012074415	22/03/2012	-----	P

*** 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.
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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.

Fecha del reporte de búsqueda:

11/JULIO/2018

Search page Lookup compounds Tools Help History

minesoft chemical explorer

Search type: Identity Similarity Substructure

Similarity search

Tanimoto threshold %: 95

Return structures:

Filter by molecular weight:

Filter by molecular formula: contains

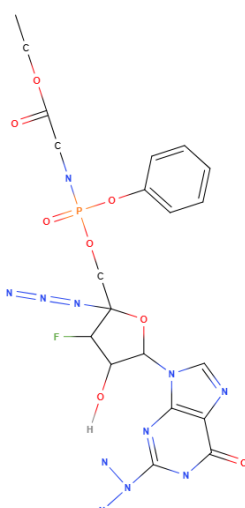
Found in claims All

Country: All

Number of structures to return: 50

Search Clear

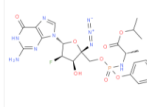
About Similarity Search



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Number of structures found: 1

Select all Clear all View selected in PatBase Export to Excel Search/Filter this page

#	Structure	Details	Tanimoto similarity	Publications
1)	 propan-2-yl (2S)-2-[[[(2R,3R,4R,5R)-5-(2-amino-6-oxo-3H-purin-9-yl)-2-azido-4-fluoro-3-hydroxyoxolan-2-yl]methoxyphenoxyphosphorylamino]propanoate IUPAC Name: propan-2-yl (2S)-2-[[[(2R,3R,4R,5R)-5-(2-amino-6-oxo-3H-purin-9-yl)-2-azido-4-fluoro-3-hydroxyoxolan-2-yl]methoxyphenoxyphosphorylamino]propanoate Molecular Weight: 595.477 g/mol InChIKey: XMBXIXGMUJWZLU-XEPWCESXSA-N SMILES: [C@@H]1[C@@H]([C@@H]([C@@H]1)COP(N[C@H](C(OC(C)C)=O)C)(=O)OC2=CC=CC=C2N=[N+]=[N-])N3C=NC4=C3N=C(NC4=O)N)F)O Formula: C₂₂H₂₇FN₉O₉P 1 patent publications found View in PatBase Stats Analytics Links: PubChem ChemSpider Wikipedia Save MOL	95.05%	1	

PatBase

Username: SIC9@patbase.com Subaccount: ALEXANDER RAMIREZ

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Search 1: "(Chemical Explorer): Selected structures (1)" 1 of 1

Display format: Classic Sorted by: Publication date asc Print Save/export Snapshot Visual explorer Analytics

1) Family number: 62974278 (US2016237106A) Similar Translate Full-text Status Citations

Title: [EN] 4'-AZIDO SUBSTITUTED NUCLEOSIDE DERIVATIVES AS INHIBITORS OF EBOLA VIRUS RNA REPLICATION

Abstract: Source: US2016237106A [EN] The application discloses compounds of Formula I wherein the variable substituents are as defined herein. The compounds of Formula I and pharmaceutical compositions comprising compounds of Formula I are useful for the treatment of diseases mediated by Filoviruses such as Ebolavirus.

Classifications: Classification Explorer

International (IPC s-9): A61K31/7076 C07H19/06 C07H19/23 (AdvancedInvention)

CPC: C07H19/06 C07H19/23 A61K31/7072 A61K45/06 A61K31/7076 C07F9/65586 C07F9/65616 C07F9/65742 C07H19/067 C07H19/10 C07H19/11 C07H19/16 C07H19/167 C07H19/20 C07H19/213

US: 514/47

Family: Family Explorer

Publication number	Publication date	Application number	Application date	Links
US2016237106 AA	20160818	US20160994520	20160113	
WO16115222 A1	20160721	WO2016US13205	20160113	

Search page Lookup compounds Tools Help History

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Search type: Identity Similarity Substructure

Similarity search

Tanimoto threshold %:

Return structures:

Filter by molecular weight: -

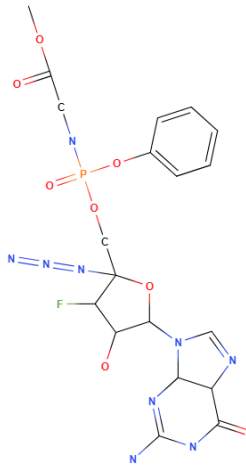
Filter by molecular formula: contains

☐ Found in claims ☒ All

Country: All

Number of structures to return:

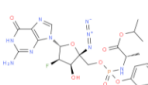
Search Clear



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Number of structures found: 1

Select all Clear all View selected in PatBase Export to Excel Search/Filter this page

#	Structure	Details	Tanimoto similarity	Publications
1) ☒		propan-2-yl (2S)-2-[[[(2R,3R,4R,5R)-5-(2-amino-6-oxo-3H-purin-9-yl)-2-azido-4-fluoro-3-hydroxyoxolan-2-yl]methoxyphenoxy]amino]propanoate IUPAC Name: propan-2-yl (2S)-2-[[[(2R,3R,4R,5R)-5-(2-amino-6-oxo-3H-purin-9-yl)-2-azido-4-fluoro-3-hydroxyoxolan-2-yl]methoxyphenoxy]amino]propanoate Molecular Weight: 595.477 g/mol InChIKey: XMBXDXGMMUJWZLU.XEPWCESXSA-N SMILES: <chem>[C@@H]1([C@H]([C@@H](O[C@@]1(COP(N[C@H](C(OC(C)C)=O)C)=O)OC2=CC=CC=C2)N=[N+]=[N-])N3C=NC4=C3N=C(NC4=O)N)F)O</chem> Formula: C₂₂H₂₇FN₉O₈P 1 patent publications found View in PatBase Stats Analytics Links: PubChem ChemSpider Wikipedia Save MOL	95.05%	1

PatBase Username: SIC9@patbase.com
Subaccount: ALEXANDER RAMIREZ

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Search 1: "[Chemical Explorer]: Selected structures (1)" 1 of 1 Display results

Display format: Classic Sorted by: Publication date asc Print Save/export Snapshot Visual explorer Analytics

1) Family number: 62974278 (US2016237106A) Similar Translate Full-text Status Citations 📧 📄 🔍

Title: [EN] 4'-AZIDO SUBSTITUTED NUCLEOSIDE DERIVATIVES AS INHIBITORS OF EBOLA VIRUS RNA REPLICATION

Abstract: Source: US2016237106A [EN] The application discloses compounds of Formula I wherein the variable substituents are as defined herein. The compounds of Formula I and pharmaceutical compositions comprising compounds of Formula I are useful for the treatment of diseases mediated by Filoviruses such as Ebolavirus.

Classifications: [Classification Explorer](#)

International (IPC 8-9): A61K31/7076 C07H19/06 C07H19/23 (Advanced/Invention)

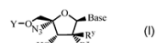
CPC: C07H19/06 C07H19/23 A61K31/7072 A61K45/06 A61K31/7076 C07F9/65586 C07F9/65516 C07F9/65742 C07H19/067 C07H19/10 C07H19/11 C07H19/16 C07H19/167 C07H19/20 C07H19/213

US: 514/47

Family: [Family Explorer](#)

Publication number	Publication date	Application number	Application date	Links
US2016237106 AA	20160818	US20160994520	20160113	📄 🔍 📧
WO16115222 A1	20160721	WO2016US13205	20160113	📄 🔍 📧

PatBase - WO2016237106A

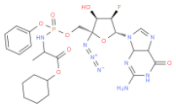
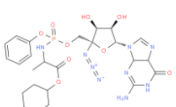


(I)

Number of structures found: 2

Select all Clear all View selected in PatBase Export to Excel

Search/Filter this page

#	Structure	Details	Tanimoto similarity	Publications
1) ✓		cyclohexyl 2-[[[(2R,3R,4R,5R)-5-(2-amino-6-oxo-4,5-dihydro-1H-purin-9-yl)-2-azido-4-fluoro-3-hydroxyoxolan-2-yl]methoxy-phenoxyphosphoryl]amino]propanoate IUPAC Name: cyclohexyl 2-[[[(2R,3R,4R,5R)-5-(2-amino-6-oxo-4,5-dihydro-1H-purin-9-yl)-2-azido-4-fluoro-3-hydroxyoxolan-2-yl]methoxy-phenoxyphosphoryl]amino]propanoate Molecular Weight: 637.557 g/mol InChIKey: GOWKKFQWURGRTH-JKYSPJNNSA-N SMILES: C1C(CCCC1)OC(=O)C(C)NP(OC2=CC=CC=C2)(OC[C@]3(O)[C@H]([C@@H]([C@@H]3O)F)N4C=NC5C4N=C(NC5=O)N)N=[N+]=[N-]=O Formula: C₂₅H₃₃FN₉O₈P 5 patent publications found View in PatBase Stats Analytics Links: PubChem ChemSpider Wikipedia Save MOL	95.88%	5
2) ✓		cyclohexyl 2-[[[(2R,3S,4R,5R)-5-(2-amino-6-oxo-4,5-dihydro-1H-purin-9-yl)-2-azido-3,4-dihydroxyoxolan-2-yl]methoxy-phenoxyphosphoryl]amino]propanoate IUPAC Name: cyclohexyl 2-[[[(2R,3S,4R,5R)-5-(2-amino-6-oxo-4,5-dihydro-1H-purin-9-yl)-2-azido-3,4-dihydroxyoxolan-2-yl]methoxy-phenoxyphosphoryl]amino]propanoate Molecular Weight: 635.566 g/mol InChIKey: IRBJUVQNNRWJAQ-WGQBMPSDSA-N SMILES: C1C(CCCC1)OC(=O)C(C)NP(OC2=CC=CC=C2)(OC[C@]3(O)[C@H]([C@@H]([C@@H]3O)O)N4C=NC5C4N=C(NC5=O)N)N=[N+]=[N-]=O Formula: C₂₅H₃₄N₉O₉P	90.53%	5

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Search 2: "[Chemical Explorer]: Selected structures (2)" * 1 of 1

Display results

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1) Family number: 50799047 (US2012070415A)

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Title: [EN] AZIDO NUCLEOSIDES AND NUCLEOTIDE ANALOGS

Abstract: Source: US2012070415A [EN] Disclosed herein are nucleosides, nucleotides and analogs thereof, pharmaceutical compositions that include one or more of nucleosides, nucleotides and analogs thereof, and methods of synthesizing the same. Also disclosed herein are methods of ameliorating and/or treating a disease and/or a condition, including an infection from a paramyxovirus and/or an orthomyxovirus, with a nucleoside, a nucleotide and an analog thereof. Examples of viral infections include a respiratory syncytial viral (RSV) and influenza infection.

Classifications: [Classification Explorer](#)

International (IPC 8-9): A01N43/04 A61K31/70 A61K31/7052 A61K31/7056 A61K31/7064 A61K31/7068 A61K31/7072 A61K31/7076 A61K31/708 A61K31/7105 A61K38/21 A61K38/47 A61K39/42 A61K45/06 A61P31/12 A61P31/14 A61P31/16 C07H19/00 C07H19/04 C07H19/044 C07H19/048 C07H19/056 C07H19/06 C07H19/067 C07H19/073 C07H19/09 C07H19/10 C07H19/11 C07H19/16 C07H19/167 C07H19/173 C07H19/19 C07H19/20 C12N5/071 (Advanced/Invention); A61P31/12 (Advanced/Non-invention)

CPC: A61K31/7056 A61K31/7068 A61K31/7072 A61K31/7076 A61K31/708 A61K31/7105 A61K45/06 C07H19/067 C07H19/073 C07H19/09 C07H19/10 C07H19/11 C07H19/167 C07H19/19 C07H19/16 C07H19/056 A61K2300/00 C07H19/06 C07H19/20

European: C07H19/056 C07H19/067 C07H19/073 C07H19/09 C07H19/10 C07H19/11 C07H19/167 C07H19/19 C07H19/20

US: 1/1 424/133.1 424/133.100S 424/159.1 424/159.100S 424/85.6 424/85.600P 424/94.61 424/94.610S 435/375 435/375S 514/43 514/43S 514/44.00AS 514/44A 514/45 514/45S 514/46 514/46S 514/47 514/47S 514/48 514/48S 514/49 514/49S 514/50 514/50S 514/51 514/51S 536/26.12 536/26.13 536/26.14 536/26 536/26.23 536/26.26 536/26.26S 536/26.7 536/26.700S 536/26.8 536/26.800S 536/27.22 536/27.220S 536/27.6 536/27.7 536/27.8 536/28.5 536/28.536/28.500S 536/28.53 536/28.530S 536/28.7 536/28.700S

