



Software for
Business Intelligence

BizInt Smart Charts

Patents & IP Sequences | Clinical Trials | Drug Pipelines

Creating an Index of Hit Structures with BizInt Smart Charts for Patents and STNext

John Willmore, VP Product Development

8 October 2018

www.bizint.com



Puppies!

Agenda

- Hit structure reports
- Saving and importing transcripts
- Step by step
- Integrating data from separate records
- Future directions

bizint.com/slides



Summary Record export with Hit Structures

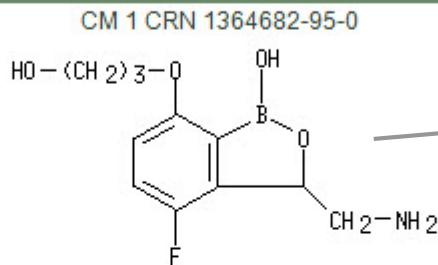
3. Basic Patent Number: **WO2012033858A2**
Title: Boron-containing small molecules
Inventor(s): Hernandez, Vincent S.; Ding, Charles; Plattner, Jacob J.; Alley, Michael Richard Kevin; Rock, Fernando; Zhang, Suoming; Easom, Eric; Li, Xianfeng; Zhou, Ding
Patent Assignee: Anacor Pharmaceuticals, Inc., USA
Hyperlinks: [Source](#) | WO2012033858A2

Text from
CAplus record

Hit Structures:

1364682-96-1 ([Cmpd. 2](#))

1-Propanol, 3-[[3-(aminomethyl)-4-fluoro-1,3-dihydro-1-hydroxy-2,1-benzoxaborol-7-yl]oxy]-, 2,2,2-trifluoroacetate (1:2) (CA INDEX NAME)



RL: PAC
(Pharmacological activity); SPN (Synthetic preparation); TH (Therapeutic use); BIOL (Biological study); PREP (Preparation); U (Uses)

Structures with annotations including multi page images

CM 2 CRN 76-05-1

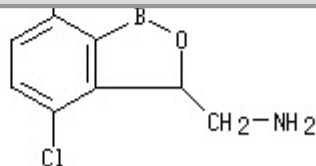


prepn. of benzoxaborole useful for treating bacterial infections

Each hit substance identified

1364683-03-3 ([Cmpd. 3](#))

1-Propanol, 3-[[3-(aminomethyl)-4-chloro-1,3-dihydro-1-hydroxy-2,1-benzoxaborol-7-yl]oxy]-, hydrochloride (1:1) (CA INDEX NAME)



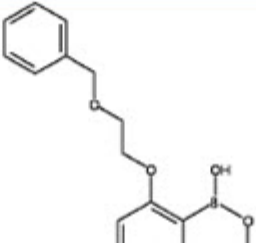
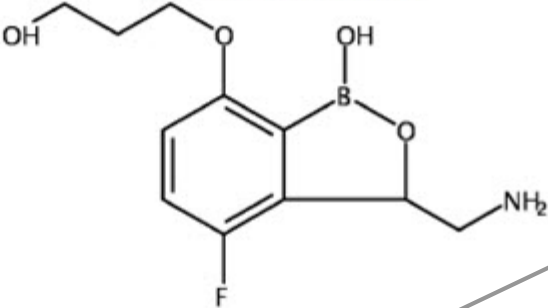
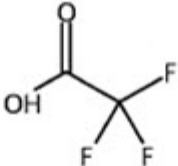
RL: PAC
(Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); U (Uses)

Index Terms

• HCl

A structure oriented “Index of Hit Structures”

Index of Hit Structures

Substance	Structure
<p>1 1655492-02-6</p> <p>2,1-Benzoxaborole, 4-fluoro-1,3-dihydro-1-hydroxy-3-(nitromethyl)-7-[2-(phenylmethoxy)ethoxy]-</p>	
<p>2 1364682-96-1</p> <p>1-Propanol, 3-[[3-(aminomethyl)-4-fluoro-1,3-dihydro-1-hydroxy-2,1-benzoxaborol-7-yl]oxy]-, 2,2,2-trifluoroacetate (1:2)</p>	 <p>CM2 CRN 76-05-1</p> 

Structures with annotations

Each hit substance identified

Links to references for each structure

Multiple images (continuation) or mixtures

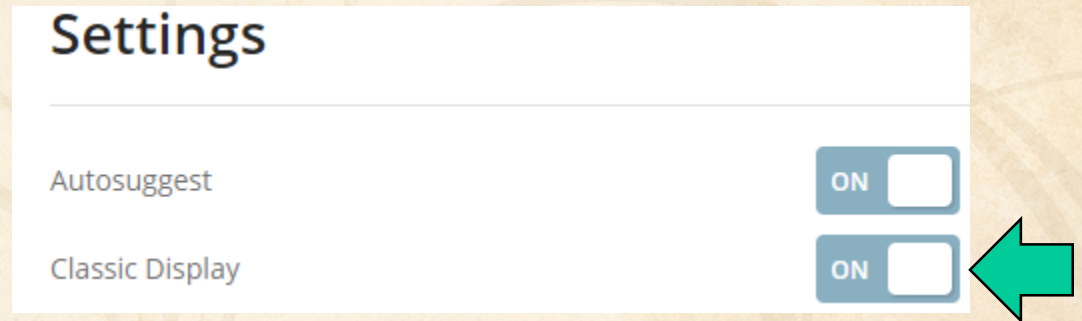
prepn. and biol. applications of tricyclic benzoxaborole compds. [Reference 1](#)

prepn. of benzoxaborole derivs. useful for treating bacterial infections [Reference 2](#)

[Reference 3](#)

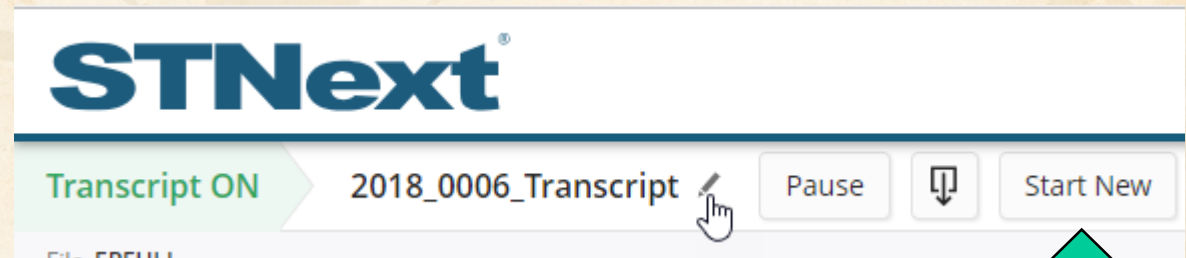
Importing transcripts with hit structures (STNext)

- Make sure that Classic Display is on



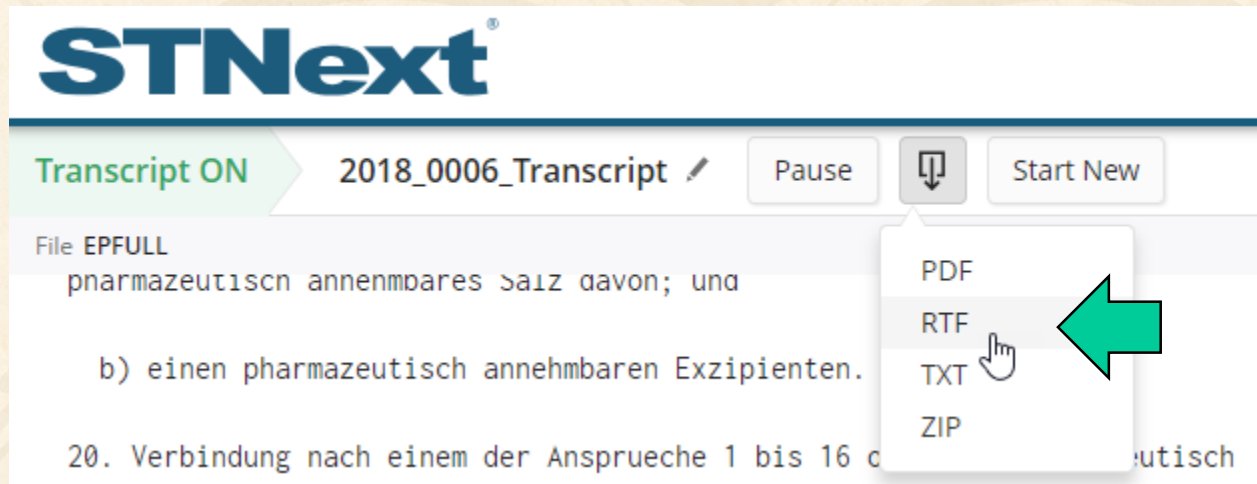
Importing transcripts with hit structures (STNext)

- Make sure that Classic Display is on
- Start new transcript before displaying.



Importing transcripts with hit structures (STNext)

- Make sure that Classic Display is on
- Start new transcript before displaying.
- Display your results including HITSTR.
- Save as RTF.



The screenshot shows the STNext web interface. At the top left is the STNext logo. Below it, there's a header bar with a green 'Transcript ON' indicator, the transcript name '2018_0006_Transcript', and buttons for 'Pause', a download icon, and 'Start New'. The main content area displays a transcript snippet with German text: 'pharmazeutisch annehmbares Salz davon; und', 'b) einen pharmazeutisch annehmbaren Exzipienten.', and '20. Verbindung nach einem der Ansprueche 1 bis 16 c... utisch'. A context menu is open over the text, listing options: PDF, RTF, TXT, and ZIP. A green arrow points to the RTF option, and a mouse cursor is visible over the TXT option.

Importing transcripts with hit structures (other platforms)

New STN: BizInt export - must include both
REGISTRY and CPlus records in export

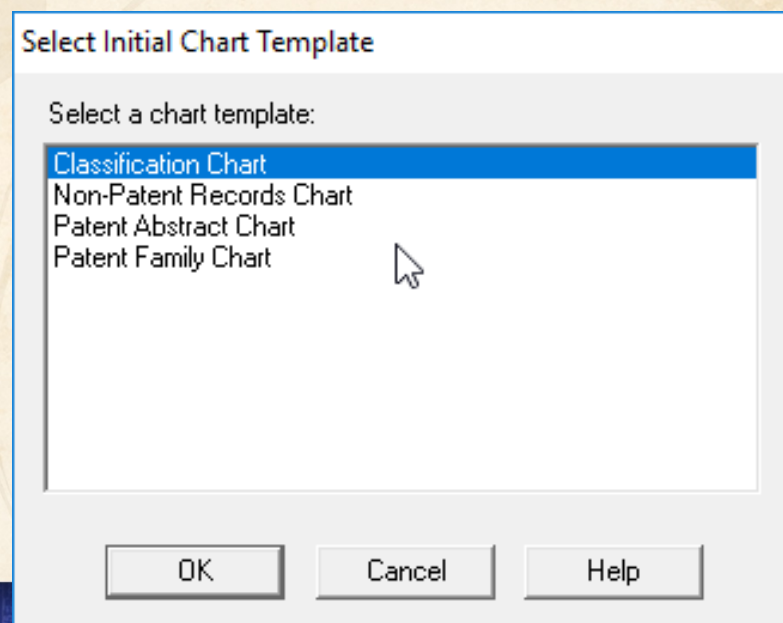
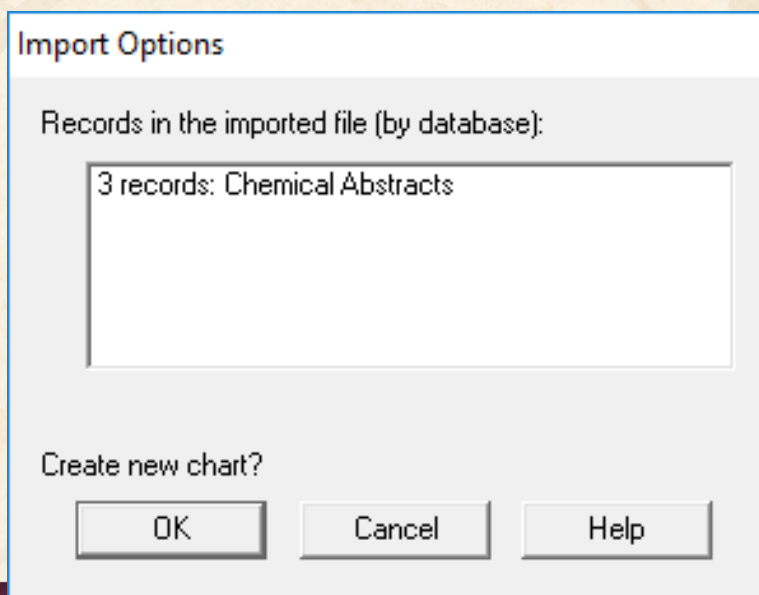
http://www.bizint.com/support/create/newstn_hitstr.php

Classic STN: Using STN Express, display HITSTR,
save transcript as RTF.

*If transcript opens in Word **DO NOT SAVE!***

Import your transcript

- Either **File | Import** or drag your transcript file into BizInt Smart Charts for Patents.
- Chart template is a default set of columns
Create your own!



Select columns to display

- Use **View | Columns** to select and re-order visible columns in the chart

Unsaved1

Chemical Abstracts: stnweb_hitstr

	Title	Basic Patent Number	Inventor(s)	Patent Assignee	International Patent Class	CA Classification
1	Benzoxaborole compounds and uses thereof	WO 2016128949 A1	Alley, M. R. K. Barros-Aguirre,	GlaxoSmithKline Intellectual Property		
2	Tricyclic benzoxab compounds and us					
3	Boron-containing s molecules					

Display Columns

Available Columns

- Accession Number
- Application Details
- Basic Patent Number
- Basic Publication Date
- CA Doc Type
- Designated States
- Document Number
- Full Text Link
- Graphic Information
- Hit Index Terms
- Index Terms
- Language
- Other Source
- Priority
- Priority Date
- Record Num.
- Source
- Subject Area

Selected Columns

- Title
- Patent Family
- Inventor(s)
- Patent Assignee
- Abstract

Up

Down

11

Set column properties

- Use **View | Column Properties** to change column names or set up hyperlinks
- Configure with **Options | Full text patent links**

Patent Family			Inventor(s)	Patent Assignee	Abstract
Patent	Kind	Date			
WO 2016128949	A1	20160818	Alley, M. R. K.	GlaxoSmithKline	Title compds., I and I
CA 2976308	A1	20160818	Barros-Aguirre,	Intellectual Property	fluoro, bromo and ioc
AU 2016217508	A1	20170928			
IL 253865	A	20170928			
CR 20170372	A	20171019			
KR 2017117156	A	20171020			
EP 3256480	A1	20171220			
CN 107548398	A	20180105			
JP 2018506540	T	20180308			
AR 103707	A1	20170531			
AR 103708	A1	20170531			
US 20180037595	A1	20180208			
IN 201717032083	A	20171208			
WO 2015021396	A2	20150212			
WO 2015021396	A3	20151029			
WO 2015021396	A9	20160211			
CA 2919888	A1	20150212			
AU 2014305792	A1	20160310			

Column Properties

Title: Patent Family

Width: 244

Sort type: <Not sortable>

Link patent numbers to full text in HTML export

Convert DOI to links in HTML export

Link NCT numbers to clinicaltrials.gov in HTML exp

OK Cancel Help

Patent Full-text Link Options

Choose how patent numbers from the following authorities will be converted to full-text links in HTML exports.

Authority Link to:

US USPTO

EP esp@cenet

WO esp@cenet

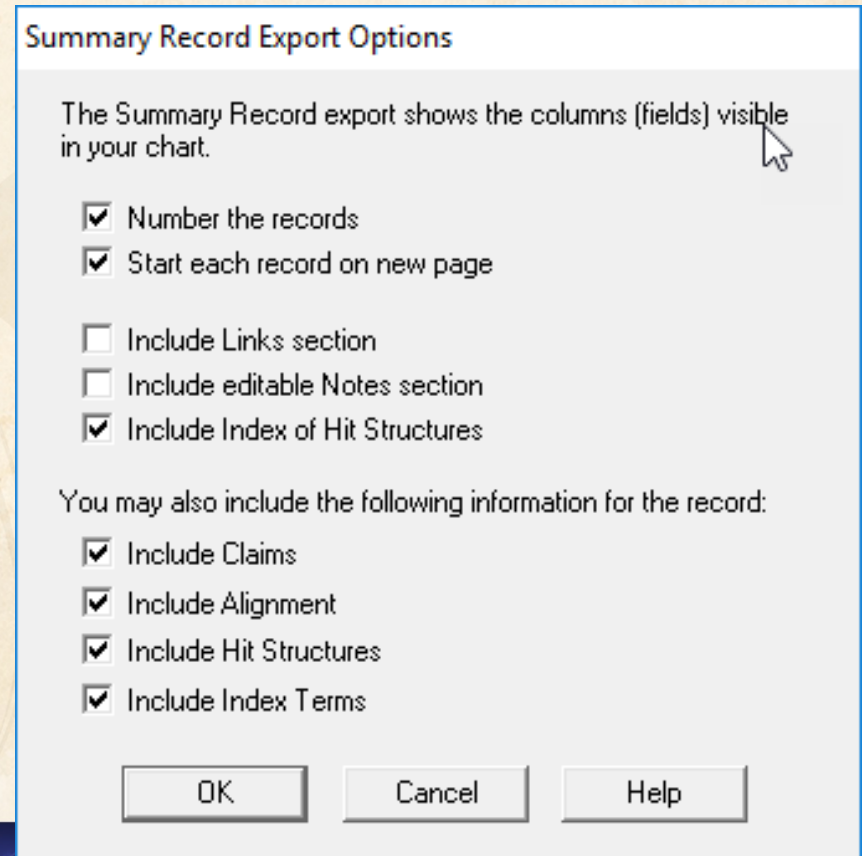
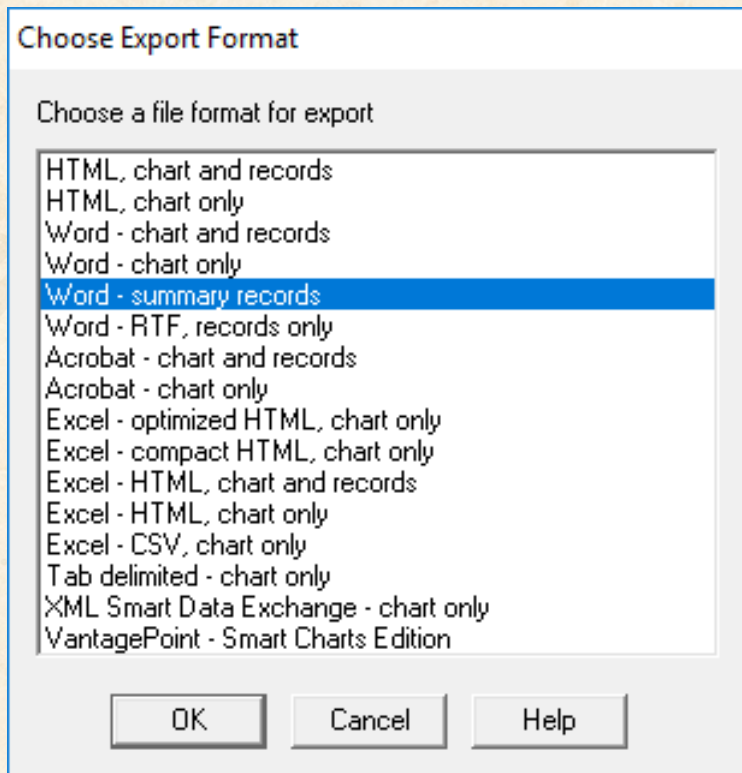
FR,GB

CN

Derwent Innovation
esp@cenet
Micropatent
Orbit.com
PatBase Express
PatentOrder
PatentOrder Direct
Patentscope
Questel PDS
Questel PDS w/ IP validator
TotalPatent

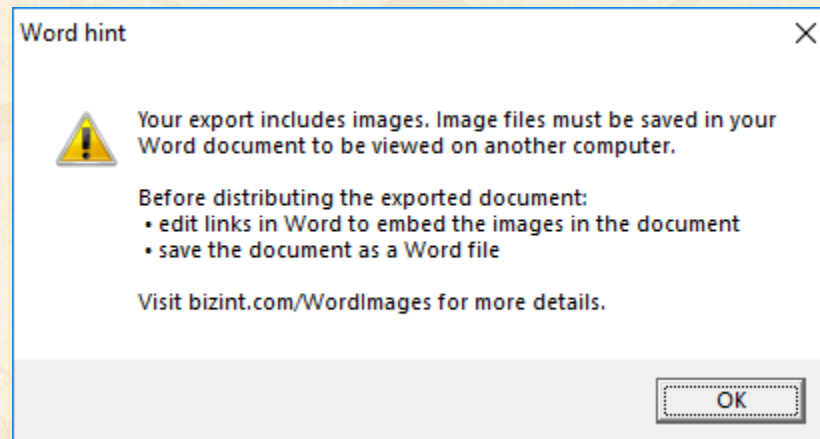
Export to see hit structures

File | Export and choose Word - Summary Records



Export to see hit structures

Tip: Structure images are linked in the exported file - you need to embed images and Save As before sending the exported Word document



Option: Index of Hit Structures

Summary Record Export Options

The Summary Record export shows the columns (fields) visible in your chart.

- Number the records
- Start each record on new page
- Include Links section
- Include editable Notes section
- Include Index of Hit Structures

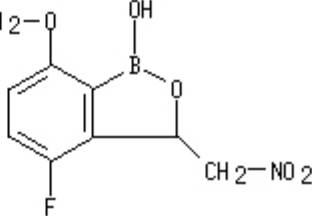
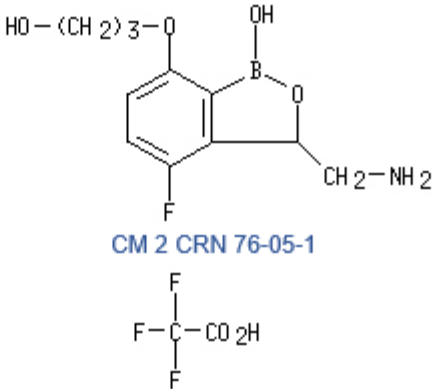
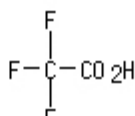
You may also include the following information for the record:

- Include Claims
- Include Alignment
- Include Hit Structures
- Include Index Terms

OK Cancel Help

- Include Editable Notes Section
- Include Index of Hit Structures

Index of Hit Structures

	Substance	Structure	Reference
1	<p>1655492-02-6</p> <p>2,1-Benzoxaborole, 4-fluoro-1,3-dihydro-1-hydroxy-3-(nitromethyl)-7-[2-(phenylmethoxy)ethoxy]- (CA INDEX NAME)</p>	<p>Ph-CH₂-O-CH₂-CH₂-O</p> 	<p>prepn. and antimycobacterial activity of benzoxaborole compds. Reference 1</p> <p>prepn. and biol. applications of tricyclic benzoxaborole compds. Reference 2</p>
2	<p>1364682-96-1</p> <p>1-Propanol, 3-[[[3-(aminomethyl)-4-fluoro-1,3-dihydro-1-hydroxy-2,1-benzoxaborol-7-yl]oxy]-, 2,2,2-trifluoroacetate (1:2) (CA INDEX NAME)</p>	<p>CM 1 CRN 1364682-95-0</p>  <p>CM 2 CRN 76-05-1</p> 	<p>prepn. of benzoxaborole derivs. useful for treating bacterial infections Reference 3</p>

Option: Hit Structures

Summary Record Export Options

The Summary Record export shows the columns (fields) visible in your chart.

Number the records
 Start each record on new page
 Include Links section
 Include editable Notes section
 Include Index of Hit Structures

You may also include the following information for the record:

Include Claims
 Include Alignment
 Include Hit Structures
 Include Index Terms

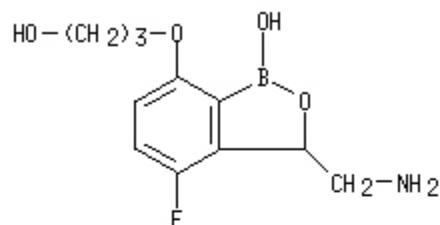
- Include Alignment
 Include Hit Structures
 Include Index Terms

Hit Structures:

1364682-96-1 [\(Cmpd. 2\)](#)

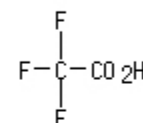
1-Propanol, 3-[[3-(aminomethyl)-4-fluoro-1,3-dihydro-1-hydroxy-2,1-benzoxaborol-7-yl]oxy]-, 2,2,2-trifluoroacetate (1:2) (CA INDEX NAME)

CM 1 CRN 1364682-95-0



RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

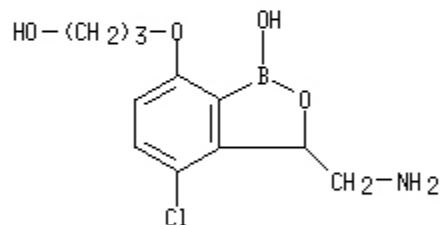
CM 2 CRN 76-05-1



prepn. of benzoxaborole derivs. useful for treating bacterial infections

1364683-03-3 [\(Cmpd. 3\)](#)

1-Propanol, 3-[[3-(aminomethyl)-4-chloro-1,3-dihydro-1-hydroxy-2,1-benzoxaborol-7-yl]oxy]-, hydrochloride (1:1) (CA INDEX NAME)



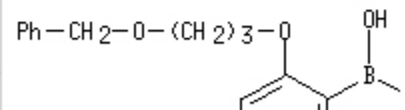
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

prepn. of benzoxaborole derivs. useful for treating bacterial infections

• HCl

1364684-69-4 [\(Cmpd. 4\)](#)

2,1-Benzoxaborole, 4-fluoro-1,3-dihydro-1-hydroxy-3-



RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT

Option: Index Terms


Summary Record Export Options

The Summary Record export shows the columns (fields) visible in your chart.

- Number the records
- Start each record on new page
- Include Links section
- Include editable Notes section
- Include Index of Hit Structures

You may also include the following information for the record:

- Include Claims
- Include Alignment
- Include Hit Structures
- Include Index Terms



Include Hit Structures

Include Index Terms

Index Terms:

1364682-96-1P ([Cmpd. 2](#)) 1364683-03-3P ([Cmpd. 3](#)) PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (prepn. of benzoxaborole derivs. useful for treating bacterial infections)

1364684-69-4P ([Cmpd. 4](#)) 1364684-75-2P ([Cmpd. 5](#)) RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (prepn. of benzoxaborole derivs. useful for treating bacterial infections)

Integrating data from separate records

Reference Rows is a utility to combine multiple records from the same family into one “row”
Records grouped by “Common Family”
Matching publication numbers in the family

Create reports integrating key IP data...

CAS-9 - GenomeQuest, PatBase, DWPI (new STN), FAMPAT

Title	Database	Patent Family			Family Status				Probable Assignee	Sequence Locations					
		Patent	Kind	Date	Pub No.	State	Status	Expiry		Seq. ID Number	% Identity	Length	Location		
1. Modulating expression of a target nucleic acid comprises providing to the cell a guide RNA including a transcriptional activator or repressor domain as a fusion protein, and providing to the cell a nuclease null Cas9 protein	1.1 DWPI	US 2014356959	A	2014-12-04	US	ALIVE	PENDING	2034-06-04	PRESIDENT AND FELLOWS OF HARVARD COLLEGE	US20140356959-0001	100.00	1368	probable disclosure (not found by automated parsing)	1.3	
	1.2 DWPI	US 2014356956	A	2014-12-04	20140356956 A1										
	1.3 GPATPRT link	AU 2014274939	AA	2014-12-11	US 9267135 B2	ALIVE	GRANTED	2034-06-04			US20140356956-0001	100.00	1368	probable disclosure (not found by automated parsing)	1.4
	1.4 GPATPRT link	WO 14197568	A2	2014-12-11											
	1.5 Patbase link	WO 14197568	A3	2015-03-12											
	1.6 FAMPAT link	CA 2914638	AA	2015-12-04											
	1.1 DWPI								1.5 Patbase						
2. New bacteriophage comprises polynucleotide expressing RNA-directed DNA-binding polypeptide comprising nuclease module, and targeting module comprising guide RNA, for restricting growth of host cell, and for preparing antiseptic composition	2.1 DWPI	WO 15070193	A1	2015-05-14	WO 201570193 A1	ALIVE	PENDING	2034-11-11	RADIANT GENOMICS INC	US20150132263-0002	100.00	1368	claim: 19; 20	2.3	
	2.2 DWPI	US 2015132263	A	2015-05-14	US	ALIVE	PENDING	2034-11-11			US20150353901-0002	100.00	1368	claim: 19; 20	2.4
	2.3 GPATPRT link	US 2015353901	A	2015-12-10	20150132263 A1										
	2.4 GPATPRT link				US	ALIVE	PENDING	2034-11-11							
	2.5 Patbase link				20150353901 A1										
	2.6 FAMPAT link														
	2.1 DWPI								2.5 Patbase						

choosing content by rules...

	Title	Database	Patent Family		
			Patent	Kind	Date
1.	Modulating expression of a target nucleic acid comprises providing to the cell a guide RNA including a transcriptional activator or repressor domain as a fusion protein, and providing to the cell a nuclease null Cas9 protein	1.1 DWPI	US 2014356959	A	2014-12-04
		1.2 DWPI	US 2014356956	A	2014-12-04
		1.3 GPATPRT link	AU 2014274939	AA	2014-12-11
		1.4 GPATPRT link	WO 14197568	A2	2014-12-11
		1.5 Patbase link	WO 14197568	A3	2015-03-12
		1.6 FAMPAT link	CA 2914638	AA	2015-12-04
			KR 20160014036	A	2016-02-05
		1.1 DWPI			1.5 Patbase
2.	New bacteriophage comprising a polynucleotide expressing RNA-directed DNA-binding polypeptide comprising nuclease module, and targeting module comprising guide RNA, for restricting growth of host cell, and for preparing antiseptic composition	2.1 DWPI	WO 15070193	A1	2015-05-14
		2.2 DWPI	US 2015132263	A	2015-05-14
		2.3 GPATPRT link	US 2015353901	A	2015-12-10
		2.4 GPATPRT link			
		2.5 Patbase link			
		2.6 FAMPAT link			
		2.1 DWPI			2.5 Patbase

linking unique content...

Family Status				Probable Assignee
Pub No.	State	Status	Expiry	
US 20140356956 A1	ALIVE	PENDING	2034-06-04	PRESIDENT AND FELLOWS OF HARVARD COLLEGE
US 9267135 B2	ALIVE	GRANTED	2034-06-04	
1.6 FAMPAT				1.5 Patbase
WO 201570193 A1	ALIVE	PENDING	2034-11-11	RADIANT ECONOMICS INC
US 20150132263 A1	ALIVE	PENDING	2034-11-11	
US 20150353901 A1	ALIVE	PENDING	2034-11-11	
2.6 FAMPAT				2.5 Patbase

...and summarizing data elements.

Sequence Locations				
Seq. ID Number	% Identity	Length	Location	
US20140356959-0001	100.00	1368	probable disclosure (not found by automated parsing)	1.3
US20140356956-0001	100.00	1368	probable disclosure (not found by automated parsing)	1.4
US20150132263-0002	100.00	1368	claim: 19; 20	2.3
US20150353901-0002	100.00	1368	claim: 19; 20	2.4





BizInt Smart Charts

VERSION

5

for Patents

Patent Databases

Provide data on patents filed worldwide

- STN - Classic, STNext, & New STN
- Questel Orbit.com
- Minesoft PatBase
- Innovation, Cortellis IP, Integrity Patents
- LexisNexis TotalPatent
- GQ LifeSciences LifeQuest



BizInt Smart Charts

VERSION

5

for Patents

STN Content

- DWPI, IFI, Caplus, MARPAT, REGISTRY
- Fulltext: US PCT EP JP KR AU CA CN FR GB DE
- Literature: EMBASE, MEDLINE, BIOSIS, AGRICOLA, ANABSTR, AQUASCI, BIOENG, BIOTECHNO, CABA, CANCERLIT, COMPENDEX, COMPUAB, COMPUSCIENCE, DISSABS, ENCOMPLIT, FEDRIP, FSTA, FROSTI, INSPEC, IPA, KOSMET, LIFESCI, METADEX, PASCAL, RAPRA, SciSearch, TOXCENTER, TULSA, GEOREF, PQSciTech, DDF
- Sequence: DGENE, PCTGENE, USGENE

Hit structures in Reference Rows

Reference Rows is a utility to combine multiple records from the same family into one “row”
Records grouped by “Common Family”
Matching publication numbers in the family

Uses:

- Add claims from other sources

Add claims from other sources

Combine results from two or more databases

Unsaved1

Chemical Abstracts: stnext_hitstr

Unsaved2

PatBase: patba

Tric con

TRICYCLIC BENZO COMPOUNDS AN

Bor mol

3

<

Create Combined Chart Wizard

Step 1 - Select the Key Chart

- patbase_hitstr_matches
- stnext_hitstr

This wizard helps you create a chart combining data from different charts. Use File | Update if you wish to update a chart with new information.

In Step 1, you select the "Key Chart". The Key Chart is used to define the initial presentation of the combined chart.

In Step 2, you select the remaining charts that you wish to combine with the Key Chart.

In Step 3, you enter the title of the new combined chart and select options for the combine chart behavior.

Chart file information:

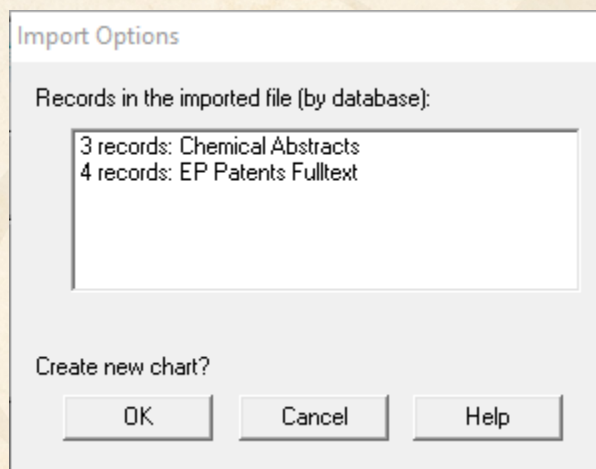
Next >

Cancel

Help

Add claims from other sources

Or import a multi-file transcript
file **epfull**
transfer **pn l2 1-...**



Add claims from other sources

Send to Reference Rows

Create Reference Rows (1 of 3)

Welcome to the Create Reference Rows Wizard

BizInt Smart Charts Reference Rows offers the ability to create a "Reference Row" which combines information from a set of related records into a single row. The Create Reference Rows Wizard will help you create and set up rules for Reference Rows.

NOTE: Reference Rows are based on the Common Patent Family column in your report. You can generate this column now.

Click Next to continue.



Option: Claims + Hit Structures

Summary Record Export Options

The Summary Record export shows the columns (fields) visible in your chart.

Number the records
 Start each record on new page
 Include Links section
 Include editable Notes section
 Include Index of Hit Structures

You may also include the following information for the record:

Include Claims
 Include Alignment
 Include Hit Structures
 Include Index Terms

You may also include the following information for the record:

Include Claims

Include Alignment

10. An in vitro method of:

(A) inhibiting an enzyme, comprising: contacting the enzyme with the compound of any of claims 1 to 5, thereby inhibiting the enzyme;

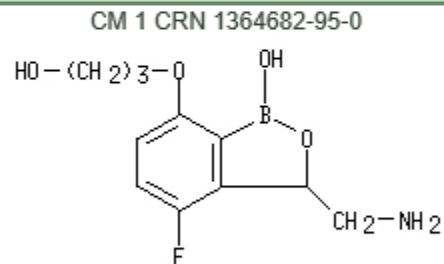
(B) killing and/or preventing the growth of a microorganism, comprising: contacting the microorganism with an effective amount of the compound of any of claims 1 to 5, thereby killing and/or preventing the growth of the microorganism; or

(C) inhibiting the editing domain of a t-RNA synthetase, comprising: contacting the synthetase with an effective amount of a compound of any of claims 1 to 5, or a pharmaceutically-acceptable salt thereof, thereby inhibiting the synthetase.

Hit Structures:

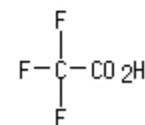
1364682-96-1 ([Cmpd. 2](#))

1-Propanol, 3-[[3-(aminomethyl)-4-fluoro-1,3-dihydro-1-hydroxy-2,1-benzoxaborol-7-yl]oxy]-, 2,2,2-trifluoroacetate (1:2) (CA INDEX NAME)



RL: PAC
(Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

CM 2 CRN 76-05-1



prepn. of [benzoxaborole derivs.](#) useful for treating bacterial infections

1364683-03-3 ([Cmpd. 3](#))



RL: PAC

Hit structures in Reference Rows

Reference Rows is a utility to combine multiple records from the same family into one “row”
Records grouped by “Common Family”
Matching publication numbers in the family

Uses:

- Add claims from other sources
- Link sequence results with hit structures



BizInt Smart Charts

VERSION

4

for Patents

IP Sequence Databases

Provide data on sequences filed in patents

- GenomeQuest (Geneseq, GQ-PAT)
- STN (USGENE, DGENE, PCTGEN)

Link sequence results with hit structures

Follow Cookbook recipe to create a summary of sequence hits for each

1.	Title: Selective high-affinity polydentate ligands and methods of making such																																
	Database: GQPAT Gold+ Proteins GQPAT Gold+ Proteins GQPAT Gold+ Proteins GQPAT Gold+ Proteins GQPAT Gold+ Proteins GQPAT Gold+ Proteins GQPAT Gold+ Proteins GQPAT Gold+ Proteins Chemical Abstracts Chemical Abstracts																																
	Organism Species: Homo sapiens (human)																																
Sequence Summary:	<table border="1"><thead><tr><th>Seq. ID Number</th><th>Length</th><th>% Identity</th><th>Location</th></tr></thead><tbody><tr><td>US20180008621-0003</td><td>237</td><td>100.00</td><td>probable disclosure (not found by automated parsing)</td></tr><tr><td>US9884070-0003</td><td>237</td><td>100.00</td><td>probable disclosure (not found by automated parsing)</td></tr><tr><td>US20180008622-0003</td><td>237</td><td>100.00</td><td>probable disclosure (not found by automated parsing)</td></tr><tr><td>JP5623384-0003</td><td>237</td><td>100.00</td><td>probable disclosure (not found by automated parsing)</td></tr><tr><td>JP2014122234-0003</td><td>237</td><td>100.00</td><td>probable disclosure (not found by automated parsing)</td></tr><tr><td>US20110144065-0003</td><td>237</td><td>100.00</td><td>probable disclosure (not found by automated parsing)</td></tr><tr><td>CA2721980-0003</td><td>237</td><td>100.00</td><td>probable disclosure (not found by automated parsing)</td></tr></tbody></table>	Seq. ID Number	Length	% Identity	Location	US20180008621-0003	237	100.00	probable disclosure (not found by automated parsing)	US9884070-0003	237	100.00	probable disclosure (not found by automated parsing)	US20180008622-0003	237	100.00	probable disclosure (not found by automated parsing)	JP5623384-0003	237	100.00	probable disclosure (not found by automated parsing)	JP2014122234-0003	237	100.00	probable disclosure (not found by automated parsing)	US20110144065-0003	237	100.00	probable disclosure (not found by automated parsing)	CA2721980-0003	237	100.00	probable disclosure (not found by automated parsing)
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Option: Alignments + Hit Structures

Summary Record Export Options

The Summary Record export shows the columns (fields) visible in your chart.

- Number the records
- Start each record on new page
- Include Links section
- Include editable Notes section
- Include Index of Hit Structures

You may also include the following information for the record:

- Include Claims
- Include Alignment
- Include Hit Structures
- Include Index Terms

- Include Claims
- Include Alignment
- Include Hit Structures

Alignment:

```
Q:      1  GDTRPRFLEEVKFECHFNGTIERVRLLERRVHNQEEYARYDSVGEYRAVTELGRPDAEY  60
      |
S:      1  GDTRPRFLEEVKFECHFNGTIERVRLLERRVHNQEEYARYDSVGEYRAVTELGRPDAEY  60
      |
Q:     61  WNSQKDLLERRRAAVDTYCRHNYGVGESFTVQRRVQPKVTIVYPSKTQPLQHHNLLVCSVN  120
      |
S:     61  WNSQKDLLERRRAAVDTYCRHNYGVGESFTVQRRVQPKVTIVYPSKTQPLQHHNLLVCSVN  120
      |
Q:    121  GFYPGSIIEVRWFRNGQEEKTGCVSTGLIQNGDWTFTLLVMLETVPOSGEVYTCQVEHPSV  180
      |
S:    121  GFYPGSIIEVRWFRNGQEEKTGCVSTGLIQNGDWTFTLLVMLETVPOSGEVYTCQVEHPSV  180
      |
Q:    181  MSPLTVEWRARSESAQSKMLSGVGGFVLGLLVLGAGLFIYFRNQKGHSGLPPTGFLS  237
      |
S:    181  MSPLTVEWRARSESAQSKMLSGVGGFVLGLLVLGAGLFIYFRNQKGHSGLPPTGFLS  237
```

Option: Alignments + Hit Structures

Summary Record Export Options

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OK Cancel Help

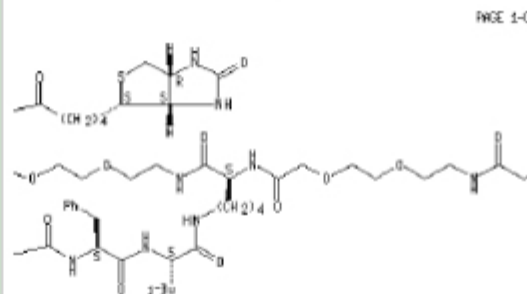
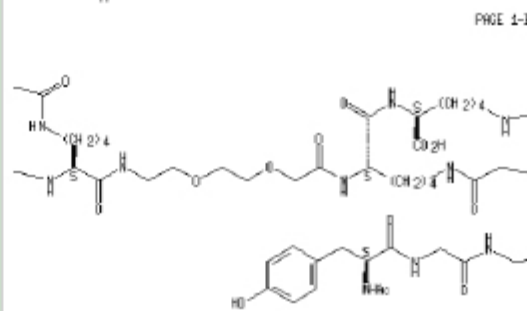
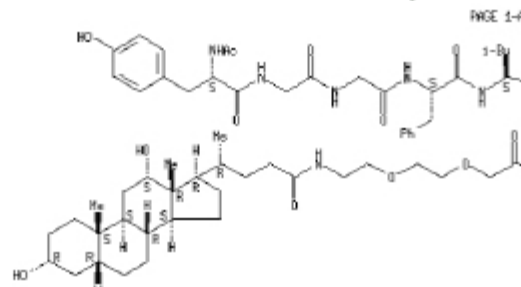
- Include Claims
- Include Alignment
- Include Hit Structures

Hit Structures:

1045703-23-8 ([Cmpd. 1](#))

L-Lysine, N2,N6-bis[N6-(N-acetyl-L-tyrosylglycylglycyl-L-phenylalanyl-L-leucyl)-N2-[2-[2-[[[(3-oxocholan-24-yl)amino]ethoxy]ethoxy]acetyl]-L-lysyl-2-[2-(2-aminoethoxy)ethoxy]acetyl]-L-lysyl-N6-[5-[(3aS,4S,6aR)-hexahydro-2-oxo-1H-thieno[3,4-d]imidazol-4-yl]-1-oxopentyl]- (CA INDEX NAME)

Absolute stereochemistry.



RL: BSU (Biological study, unclassified); DGN (Diagnostic use); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

HLA-DR10 selective high-affinity polydentate ligand; selective high-affinity polydentate ligands of target mols. and methods of making such and uses for diagnosis and therapeutics in relation to delivery of effectors

Hit structures in Reference Rows

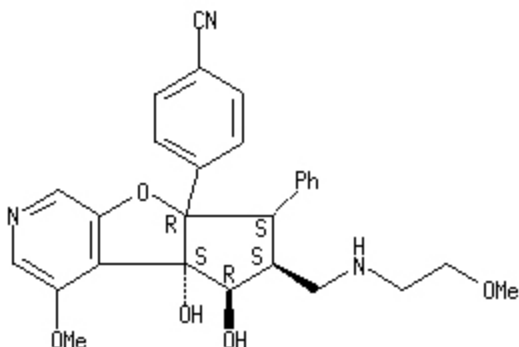
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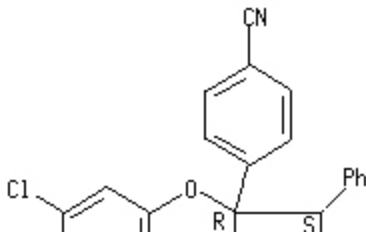
Uses:

- Add claims from other sources
- Link sequence results with hit structures
- Merge hit structures spread across multiple CPlus records (“mega-TAN” records)

Group Mega-TAN records

Multiple CA records for a single family...

1.		
Title: Heterocyclic derivatives as eIF4A inhibitors and their preparation		
Accession Number: 2017:1085458		
Hit Structures:		
2098192-11-9 (Cmpd. 1)	Absolute stereochemistry. Rotation (-).	RL: PAC (Pharmacological activity); PRPH (Prophetic); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
INDEX NAME NOT YET ASSIGNED		prepn. of heterocyclic derivs. as eIF4A inhibitors

2.		
Title: Heterocyclic derivatives as eIF4A inhibitors and their preparation		
Accession Number: 2017:1085457		
Hit Structures:		
2099275-30-4 (Cmpd. 2)	Absolute stereochemistry.	RL: PAC (Pharmacological activity); PRPH (Prophetic); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
INDEX NAME NOT YET ASSIGNED		prepn. of heterocyclic derivs. as eIF4A inhibitors

Group Mega-TAN records

Simply send to Reference Rows and export!

1. Title: Heterocyclic derivatives as eIF4A inhibitors and their preparation		
Accession Number: 2017:1085458; 2017:1085457		
Hit Structures:		
2098192-11-9 (Cmpd. 1) INDEX NAME NOT YET ASSIGNED	Absolute stereochemistry. Rotation (-). <chem>CN(CCC)C[C@@H]1S[C@H](C2=CC=CC=C2)[C@@H](C3=CC=C(C=C3)C#N)O[C@H]1c4cc(OC)cnc4</chem>	RL: PAC (Pharmacological activity); PRPH (Prophetic); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) prepn. of heterocyclic derivs. as eIF4A inhibitors
2099275-30-4 (Cmpd. 2) INDEX NAME NOT YET ASSIGNED	Absolute stereochemistry. <chem>CN(CCC1=CC=CC=C1)C[C@@H]2S[C@H](C3=CC=CC=C3)[C@@H](C4=CC=C(C=C4)C#N)O[C@H]2c5cc(Cl)c(OC)cn5</chem>	RL: PAC (Pharmacological activity); PRPH (Prophetic); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) prepn. of heterocyclic derivs. as eIF4A inhibitors

Future Directions

- Options to control display
- Mark new structures in updated reports
- More sources (e.g. MARPAT)
- More export formats
- Hit structures in the table

2018 is the Year of the Dog!



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Thank you...
Questions???