



Software for  
Business Intelligence

# BizInt Smart Charts

Patents & IP Sequences | Clinical Trials | Drug Pipelines

## Creating Hit Structure Reports with BizInt Smart Charts for Patents

*John Willmore, VP Product Development*

May 2018

[www.bizint.com](http://www.bizint.com)

# Agenda

- What we're doing with hit structures
- Importing transcripts
- Hit structures in Reference Rows
- Summary Records tips and tricks
- Future directions
- Questions



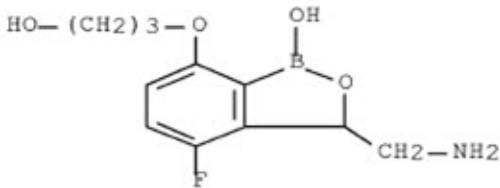
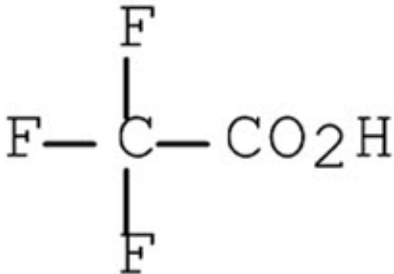
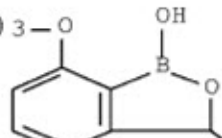
# Summary Record export with Hit Structures

## New STN

<b>3. Basic Patent Number:</b> CA2810021A1		
<b>Title:</b> Boron-containing small molecules		
<b>Inventor(s):</b> Hernandez, Vincent S.; Ding, Charles; Plattner, Jacob J.; Alley, Michael Richard Kevin; Rock, Fernando; Zhang, Suoming; Easom, Eric; Li, Xianfeng; Zhou, Ding		
<b>Patent Assignee:</b> Anacor Pharmaceuticals, Inc., United States (US)		
<b>Hyperlinks:</b> CA2810021A1		
<b>Hit Structures:</b>		
<p>1364682-96-1 (<a href="#">Cmpd. 2</a>)</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>CM1 CRN 1364682-95-0</p> <p>CM2 CRN 76-05-1</p>	<p>Biological Study (BIOL); Pharmacological Activity (PAC); Preparation (PREP); Synthetic Preparation (SPN); Therapeutic Use (THU); Uses (USES)</p> <p>prepn. of benzoxaborole derivs. useful for treating bacterial infections</p>
<p>1364683-03-3 (<a href="#">Cmpd. 3</a>)</p> <p>1-Propanol, 3-[[3-(aminomethyl)-4-chloro-1,3-dihydro-1-hydroxy-2,1-benzoxaborol-7-yl]oxy]-, hydrochloride (1:1)</p>		<p>Biological Study (BIOL); Pharmacological Activity (PAC); Preparation (PREP); Synthetic Preparation (SPN); Therapeutic Use (THU); Uses (USES)</p>

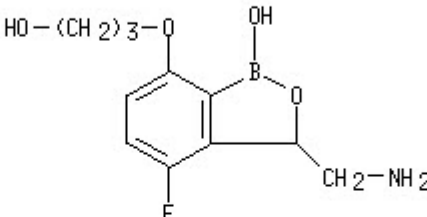
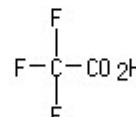
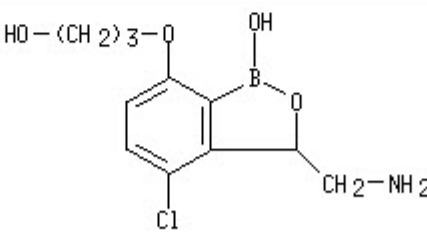
# Summary Record export with Hit Structures

## Classic STN (STN Express)

3. Basic Patent Number: <b>WO2012033858A2</b>		
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: <a href="#">Source</a>   WO2012033858A2		
<b>Hit Structures:</b>		
1364682-96-1 ( <a href="#">Cmpd. 2</a> )	<p>CM 1 CRN 1364682-95-0</p>  <p>CM 2 CRN 76-05-1</p> 	<p>RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)</p> <p>preparation of benzoxaborole derivs. useful for treating bacterial infections</p>
1364683-03-3 ( <a href="#">Cmpd. 3</a> )	<p>HO- (CH<sub>2</sub>)<sub>3</sub>-O</p> 	<p>RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study);</p>

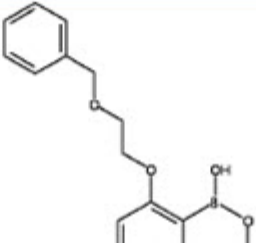
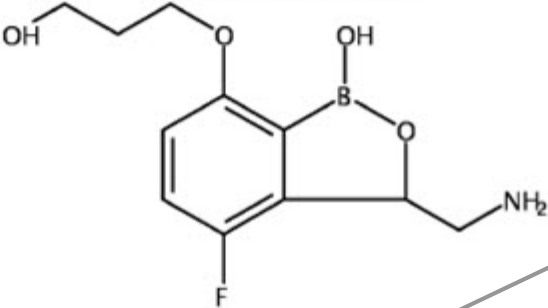
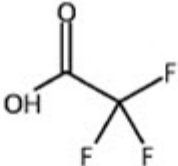
# Summary Record export with Hit Structures

STNext

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: <a href="#">Source</a>   WO2012033858A2		
<b>Hit Structures:</b>		
1364682-96-1 ( <a href="#">Cmpd. 2</a> )	<p>CM 1 CRN 1364682-95-0</p>  <p>CM 2 CRN 76-05-1</p> 	<p>RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)</p> <p>prepn. of benzoxaborole derivs. useful for treating bacterial infections</p>
1364683-03-3 ( <a href="#">Cmpd. 3</a> )	 <p>● HCl</p>	<p>RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)</p> <p>prepn. of benzoxaborole derivs. useful for treating bacterial infections</p>

# Or, 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 benzoxaborole compds.  
[Reference 1](#)

prepn. and biol. applications of tricyclic benzoxaborole compds.  
[Reference 2](#)

prepn. of benzoxaborole derivs. useful for treating bacterial infections  
[Reference 3](#)

# What we are doing with hit structures

Imports hit structures from CAplus

Available in the Summary Record export only

Hit structure display with each CAplus record

Index of hit structures with links to references

Index Terms can link back to the index

- Not available in the chart
- Not available in other export formats
- Yet

# Importing transcripts with hit structures

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

[http://www.bizint.com/support/create/newstn\\_hitstr.php](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!***

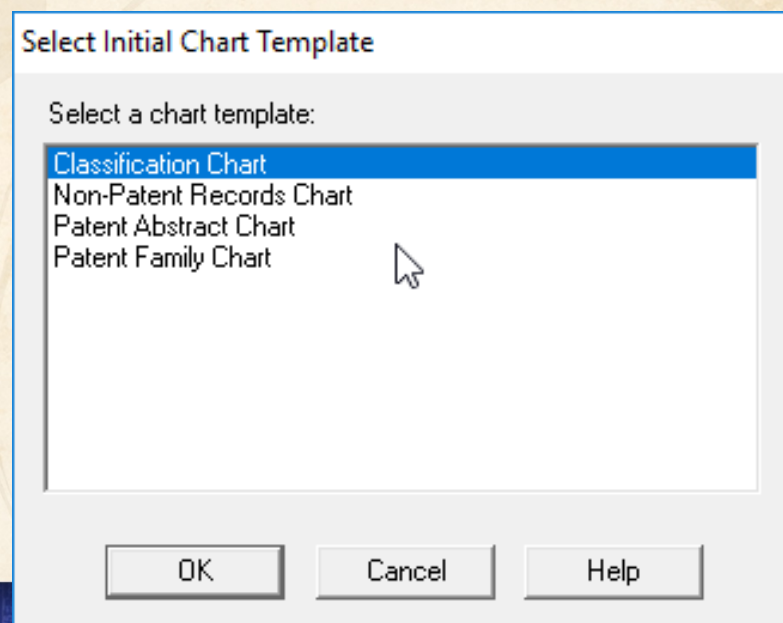
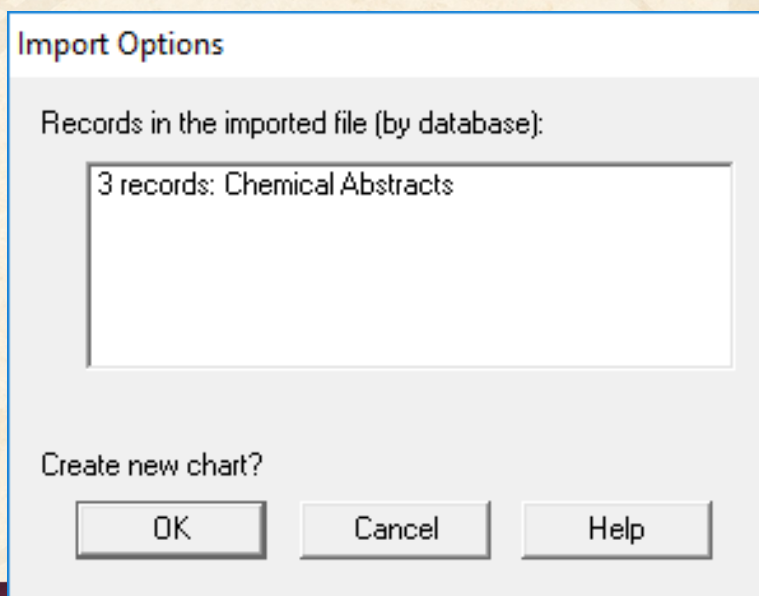
STNnext: Display HITSTR.

Turn off enhanced display. Save as RTF.



# 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

# 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
CA2976308	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			
CA2919888	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

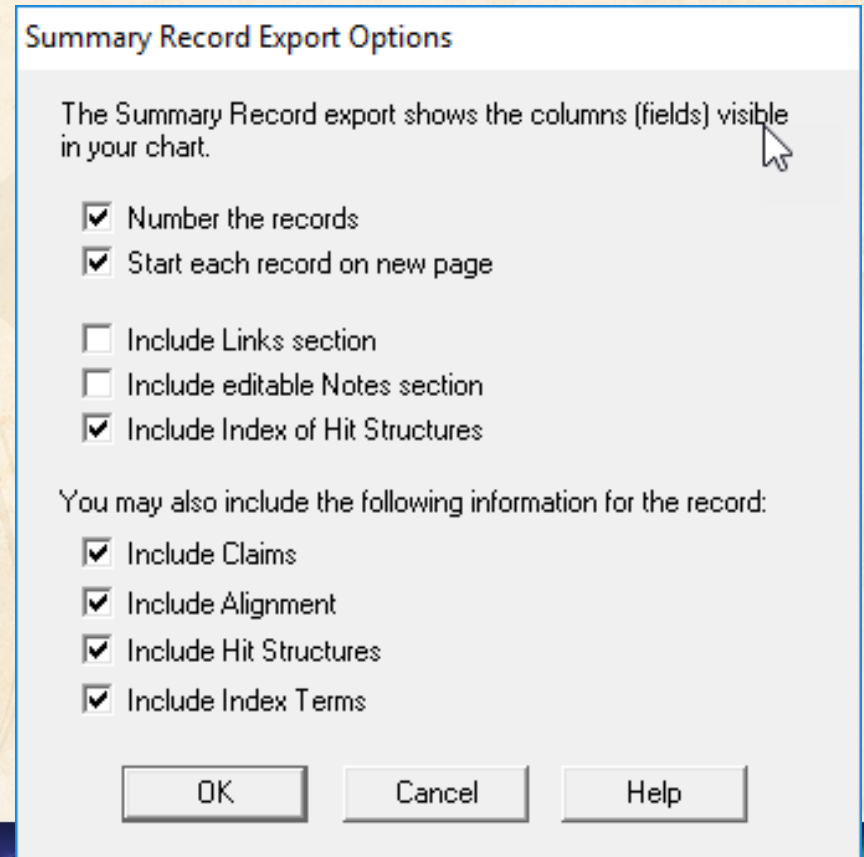
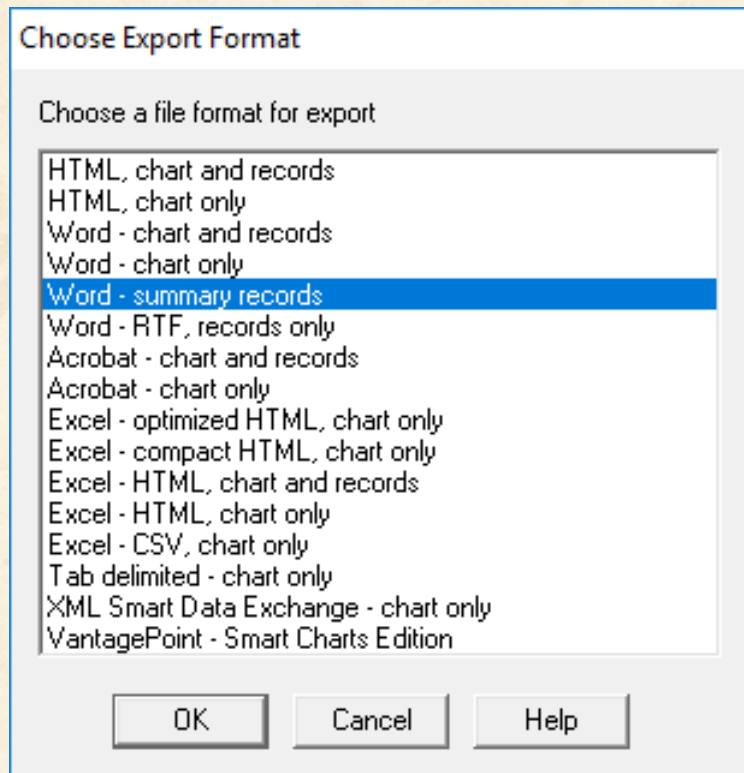
FR,GB

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



# 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

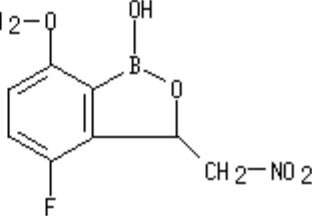
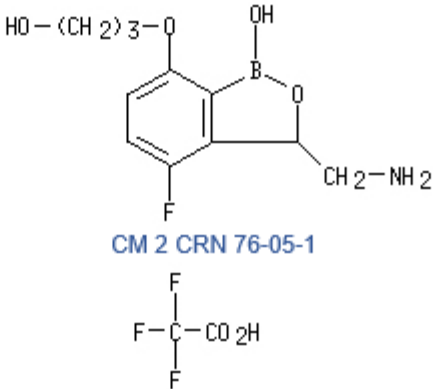
You may also include the following information for the record:

- 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><b>1655492-02-6</b></p> <p>2,1-Benzoxaborole, 4-fluoro-1,3-dihydro-1-hydroxy-3-(nitromethyl)-7-[2-(phenylmethoxy)ethoxy]- (CA INDEX NAME)</p>	<p>Ph-CH<sub>2</sub>-O-CH<sub>2</sub>-CH<sub>2</sub>-O</p> 	<p>prepn. and antimycobacterial activity of benzoxaborole compds. <a href="#">Reference 1</a></p> <p>prepn. and biol. applications of tricyclic benzoxaborole compds. <a href="#">Reference 2</a></p>
2	<p><b>1364682-96-1</b></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>HO-(CH<sub>2</sub>)<sub>3</sub>-O</p>  <p>CM 2 CRN 76-05-1</p>	<p>prepn. of benzoxaborole derivs. useful for treating bacterial infections <a href="#">Reference 3</a></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

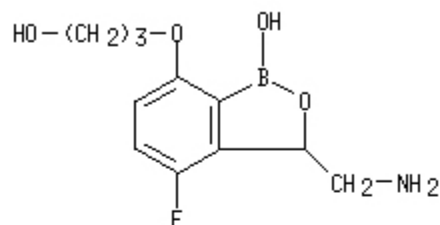
- Include Alignment  
 Include Hit Structures  
 Include Index Terms

## Hit Structures:

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

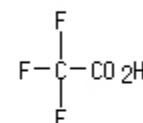
1-Propanol, 3-[[3-(aminomethyl)-4-fluoro-1,3-dihydro-1-hydroxy-2,1-benzoxaborol-7-yl]oxy]-, 2,2,2-trifluoroacetate (1:2) (CA INDEX NAME)

CM 1 CRN 1364682-95-0



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

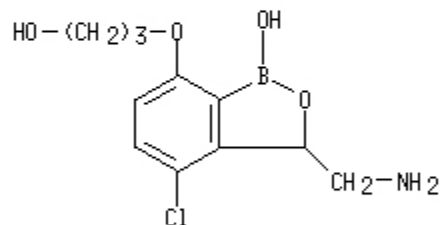
CM 2 CRN 76-05-1



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)



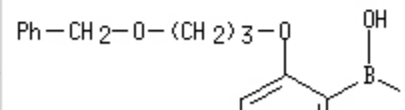
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

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)

# 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



# 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		
<b>1.</b> 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											
	1.6 FAMPAT   link	KR 20160014036	A	2016-02-05											
	1.1 DWPI				1.5 Patbase				1.6 FAMPAT					1.5 Patbase	
<b>2.</b> 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				2.6 FAMPAT					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   <a href="#">link</a>	AU 2014274939	AA	2014-12-11
		1.4 GPATPRT   <a href="#">link</a>	WO 14197568	A2	2014-12-11
		1.5 Patbase   <a href="#">link</a>	WO 14197568	A3	2015-03-12
		1.6 FAMPAT   <a href="#">link</a>	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   <a href="#">link</a>	US 2015353901	A	2015-12-10
		2.4 GPATPRT   <a href="#">link</a>			
		2.5 Patbase   <a href="#">link</a>			
		2.6 FAMPAT   <a href="#">link</a>			
		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
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	
				1.5 Patbase
				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

4

*for Patents*

## Patent Databases

*Provide data on patents filed worldwide*

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

# 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

TRICYCLIC BENZO COMPOUNDS AN

Tric con

Bor mol

### 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

## 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

## Claims:

**US2016251380A**

1. A compound having a structure as shown in Formula II:

[FTIMG=86863146]

wherein X is selected from fluoro, chloro, bromo or iodo and R1 and R2 are each independently selected from H, -CH<sub>3</sub>, -CH<sub>2</sub>CH<sub>3</sub>, -CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, and -CH(CH<sub>3</sub>)<sub>2</sub>; or a salt thereof.

2. A compound according to claim 1 or a salt thereof, wherein X is chloro or bromo.

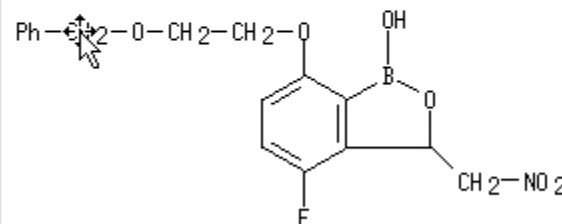
58. A method according to claim 57, wherein the mycobacterial infection is a Mycobacterium tuberculosis infection.

59. A method according to claim 57, wherein the animal is a human.

## Hit Structures:

1655492-02-6 ([Cmpd. 1](#))

2,1-Benzoxaborole, 4-fluoro-1,3-dihydro-1-hydroxy-3-(nitromethyl)-7-[2-(phenylmethoxy)ethoxy]- (CA INDEX NAME)



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

prepn. and biol. applications of tricyclic benzoxaborole comps.

# 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

<b>1.</b>	<b>Title:</b> Selective high-affinity polydentate ligands and methods of making such																																
	<b>Database:</b> 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																																
	<b>Organism Species:</b> Homo sapiens (human)																																
<b>Sequence Summary:</b>	<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)
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)																														

# 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

OK Cancel Help

- Include Claims
- Include Alignment
- Include Hit Structures

**Alignment:**

```
Q:      1  GDTRPRFLEEVKFECHFFNGTIERVRLLERRVHNOEEYARYDSVGEYRAVTELGRPDAEY  60
      |
S:      1  GDTRPRFLEEVKFECHFFNGTIERVRLLERRVHNOEEYARYDSVGEYRAVTELGRPDAEY  60
      |
Q:     61  WNSQKDLLERRRAAVDTYCRHNYGVGESFTVQRRVQPKVTIVYPSKTQPLQHHNLLVCSVN  120
      |
S:     61  WNSQKDLLERRRAAVDTYCRHNYGVGESFTVQRRVQPKVTIVYPSKTQPLQHHNLLVCSVN  120
      |
Q:    121  GFYPGSIEVRWFRNGQEEKTG VVSTGLIQNGDWTFO TLV MLETVPOSGEVYTCQVEHPSV  180
      |
S:    121  GFYPGSIEVRWFRNGQEEKTG VVSTGLIQNGDWTFO TLV MLETVPOSGEVYTCQVEHPSV  180
      |
Q:    181  MSPLTVEWRARSESAQSKMLSGVGGFVLG LLVLGAGLFYIFRNQKGHSGLPPTGFLS  237
      |
S:    181  MSPLTVEWRARSESAQSKMLSGVGGFVLG LLVLGAGLFYIFRNQKGHSGLPPTGFLS  237
```

# 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

OK Cancel Help

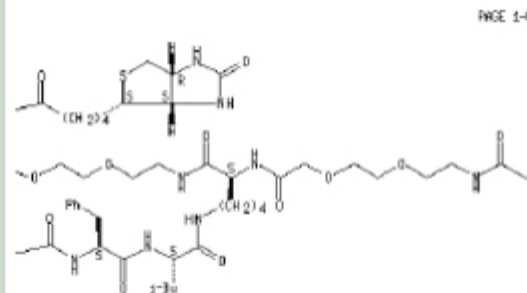
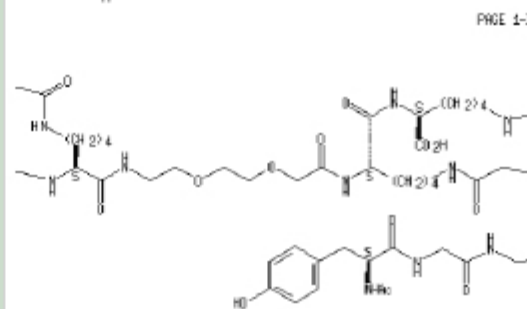
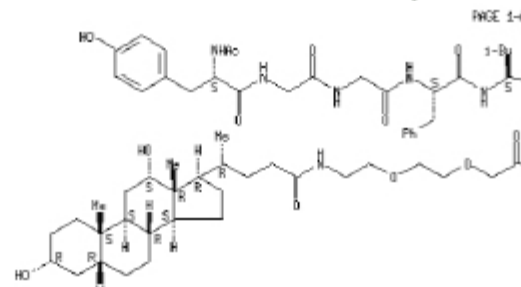
- Include Alignment
- Include Hit Structures

## 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

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
- Merge hit structures spread across multiple CPlus records (“mega-TAN” records)

# Group Mega-TAN records

Multiple CA records for a single family...

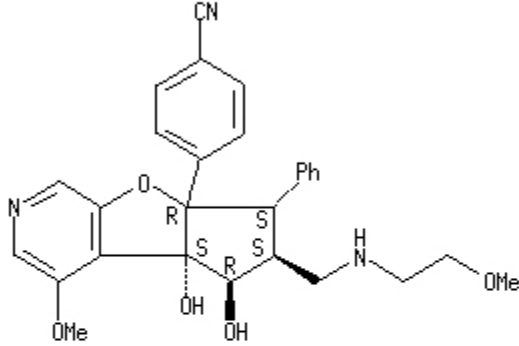
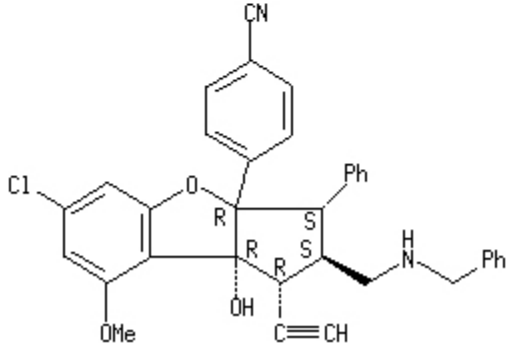
1.	<b>Title:</b> Heterocyclic derivatives as eIF4A inhibitors and their preparation
	<b>Accession Number:</b> 2017:1085458
<b>Hit Structures:</b>	
2098192-11-9 <a href="#">(Cmpd. 1)</a>  INDEX NAME NOT YET ASSIGNED	Absolute stereochemistry. Rotation (-).  RL: PAC (Pharmacological activity); PRPH (Prophetic);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

2.	<b>Title:</b> Heterocyclic derivatives as eIF4A inhibitors and their preparation
	<b>Accession Number:</b> 2017:1085457
<b>Hit Structures:</b>	
2099275-30-4 <a href="#">(Cmpd. 2)</a>  INDEX NAME NOT YET ASSIGNED	Absolute stereochemistry.  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



# 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 <a href="#">(Cmpd. 1)</a>  INDEX NAME NOT YET ASSIGNED	Absolute stereochemistry. Rotation (-). 	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 <a href="#">(Cmpd. 2)</a>  INDEX NAME NOT YET ASSIGNED	Absolute stereochemistry. 	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!



狗

Thank you...  
Questions???

# Summary Record tips and tricks

- Columns in your chart are the fields in the yellow section
- Create links to full-text, literature, etc.
- Insert a Table of Contents
- Include the abstract image
- Embed images in Word before mailing!



# BizInt Smart Charts

VERSION

4

*for Patents*

## Literature Databases

*Provide data on technical and scientific publications*

- **Biomedical** (Embase, Biosis, Medline)
- **Scientific** (SciSearch, Chemical Abstracts, PQSciTech, etc)
- **Technical** (INSPEC, RAPRA, GEOREF, etc.)
- **Hosts:** STN (Classic & New), ProQuest Dialog, Ovid, PubMed

# NEW! NCT number and DOI links

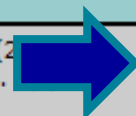
## Alzheimers Clinical Trials

	<i>Title</i>	<i>Source</i>	<i>Clinical Trials</i>	<i>DOI</i>	<i>Publication Date</i>
1 Link	<b>Centre- versus home-based exercise among people with mci and mild dementia: study protocol for a randomized parallel-group trial.</b>	BMC geriatrics (2018-01-25), vol. 18, no. 1, p. 27.	NCT02774720	10.1186/s12877-017-0684-0	2018-01-25
2 Link	<b>Trial of Solanezumab for Mild Dementia Due to Alzheimer's Disease.</b>	The New England journal of medicine (2018-01-25), vol. 378, no. 4, p. 321-330.	NCT01900665	10.1056/NEJMoa1705971	2018-01-25
3 Link	<b>Effect of Idalopirdine as Adjunct to Cholinesterase Inhibitors on Change in Cognition in Patients With Alzheimer Disease: Three Randomized Clinical Trials.</b>	JAMA (2018-01-09), vol. 319, no. 2, p. 130-142.	NCT01955161 NCT02006641 NCT02006654	10.1001/jama.2017.20373	2018-01-09
4 Link	<b>Placebo Effects in the Treatment of Noncognitive Symptoms of Alzheimer's Disease: Analysis of the CATIE-AD Data.</b>	The Journal of clinical psychiatry (2017 Nov/Dec), vol. 78, no. 9, p. e1204-e1210.	NCT00015548	10.4088/JCP.17m11461	2017 Nov/Dec
5 Link	<b>Retinal Microperimetry: A New Tool for Identifying Patients With Type 2 Diabetes at Risk for Developing Alzheimer Disease.</b>	Diabetes (2017-12), vol. 66, no. 12, p. 3098-3104.	NCT02360527	10.2337/db17-0382	2017-12

# Link from NCT numbers to CT.gov

## Alzheimers Clinical Trials

	Title	Source	Clinical Trials	DOI	Publication Date
1 Link	Centre- versus home-based exercise among people with mci and mild dementia: study protocol for a randomized parallel-group trial.	BMC geriatrics (2018), vol. 18, no. 25	<a href="#">NCT02774720</a>	10.1186/s12877-017-0684-0	2018-01-25
2 Link	Trial of Solanezumab for Mild Dementia Due to Alzheimer's Disease.	The New England Journal of medicine (2018), vol. 378, no. 1, p. 32-41			
3 Link	Effect of Idalopirdine as Adjunct to Cholinesterase Inhibitors on Change in Cognition in Patients With Alzheimer Disease: Three Randomized Clinical Trials.	JAMA (2018), vol. 319, no. 2, p. 165-175			
4 Link	Placebo Effects in the Treatment of Noncognitive Symptoms of Alzheimer's Disease: Analysis of the CATIE-AD Data.	The Journal of clinical psychiatry (2018), vol. 79, no. 11, p. e1204-1211			
5 Link	Retinal Microperimetry: A New Tool for Identifying Patients With Type 2 Diabetes at Risk for Developing Alzheimer Disease.	Diabetes care (2018), vol. 41, no. 12, p. 2283-2290			



NIH U.S. National Library of Medicine  
**ClinicalTrials.gov**  
 Find Studies ▼

Home > Study Record Detail

**Centre- Versus Home-based Exercise for MCI and Early Dementia (CHIME)**

**⚠** The safety and scientific validity of this study is the responsibility of the study sponsor and investigators. Listing a study does not mean it has been evaluated by the U.S. Federal Government. [Know the risks and potential benefits](#) of clinical studies and talk to your health care provider before participating. Read our [disclaimer](#) for details.

**Sponsor:**  
University of Waterloo

**Collaborator:**  
Alzheimer's Association

**Information provided by (Responsible Party):**  
University of Waterloo

Study Details Tabular View No Results Posted Disclaimer ? How to Read a Study Record

# Link from DOI's to articles

## Alzheimers Clinical Trials

	Title	Source	Clinical Trials	DOI	Publication Date
1 Link	Centre- versus home-based exercise among people with mci and mild dementia: study protocol for a randomized parallel-group trial.	BMC geriatrics (2018-01-25), vol. 18, no. 1, p. 27.	NCT02774 	<a href="https://doi.org/10.1186/s12877-017-0684-0">10.1186/s12877-017-0684-0</a>	2018-01-25
2 Link	Trial of Solanezumab for Mild Dementia Due to Alzheimer's Disease.				
3 Link	Effect of Idalopirdine as Adjunct to Cholinesterase Inhibitors on Change in Cognition in Patients With Alzheimer Disease: The Randomized Clinical Trials.				
4 Link	Placebo Effects in the Treatment of Noncognitive Symptoms of Alzheimer's Disease: Analysis of the CATAD Data.				
5 Link	Retinal Microperimetry: A New Tool for Identifying Patients With Type 2 Diabetes at Risk of Developing Alzheimer Disease.				

**BMC** Explore journals Get published About BMC

**BMC Geriatrics**

Home About Articles Submission Guidelines

Abstract | Study protocol | [Open Access](#) | Open Peer Review

Background

Methods & design

Discussion

Declarations

References

## Centre- versus home-based exercise among people with mci and mild dementia: study protocol for a randomized parallel-group trial

Laura E. Middleton ✉, Sandra E. Black, Nathan Herrmann, Paul I. Oh, Kayla Regan and Krista L. Lancot

*BMC Geriatrics* BMC series – open, inclusive and trusted 2018 18:27  
<https://doi.org/10.1186/s12877-017-0684-0> | © The Author(s). 2018  
 Received: 6 June 2017 | Accepted: 12 December 2017 | Published: 25 January 2018

[Open Peer Review reports](#)