

| INFORME DE BÚSQUEDA DE PATENTES                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                |                                                    |
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| <b>N° de solicitud: 16072744 Prioridad: (28/Agosto/2013)</b>                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                |                                                    |
| <b>CRITERIOS PARA LA BÚSQUEDA (Anexar pantallazo o reporte en PDF, junto con los boléanos utilizados*. Para el caso de secuencias, anexar alineamientos)</b>                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                |                                                    |
| <b>PALABRAS CLAVE UTILIZADAS</b>                                                                                                                                                                                                                                                                                                                                                                   | 1. "perhaloalkylsulfonamide" "SREBP inhibitors"<br>2. "perhaloalkylsulfonamide" "SREBP blockers"<br>3. "phenylmethanesulfonamide" "SREBP inhibitors"<br>4. "phenylmethanesulfonamide" "SREBP blockers"<br>5. "diarylthiazole inhibit" "Activation of sterol regulatory element-binding proteins"<br>6. "2-Pyridylthiazoles" "SREBP"<br>7. "trifluoromethanesulfonamide" "SREBP"<br>8. "thiazol" and "SREBP"<br>9. "Imidazol" and "SREBP"<br>10. "oxazol" and "SREBP"<br>11. "pyridylthiazoles" "SREBP" |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                |                                                    |
| <b>CLASIFICACIONES UTILIZADAS PARA LA BÚSQUEDA</b>                                                                                                                                                                                                                                                                                                                                                 | <b>CIP:</b> A61K 31/4745, C07D 471/04.<br><b>CPC (Opcional):</b>                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                |                                                    |
| <b>DOCUMENTOS CONSIDERADOS RELEVANTES (documentos patentes, literatura no patente, etc...)</b>                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                |                                                    |
| 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*** |
| WO                                                                                                                                                                                                                                                                                                                                                                                                 | WO2011085269                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 14/Julio/2011                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                | A                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                    | US2001031781                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 18/Octubre/2001                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                | A                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                    | US6444687                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 03/Septiembre/2002                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                | A                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                    | WO9940088                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 12/Agosto/1999                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                | A                                                  |
| EP                                                                                                                                                                                                                                                                                                                                                                                                 | US8207196                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 26/Junio/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                | X                                                  |
| CN                                                                                                                                                                                                                                                                                                                                                                                                 | US2001031781                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 18/Octubre/2001                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                | A                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                    | WO2011085269                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 14/Julio/2011                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                | A                                                  |
|                                                                                                                                                                                                                                                                                                                                                                                                    | CN102361859                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 22/Febrero/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                | A                                                  |
| <b>"A"</b> documento que define el estado general de la técnica no considerado como particularmente relevante.<br><b>"E"</b> solicitud de patente o patente anterior pero publicada en la fecha de presentación internacional o en fecha posterior.<br><b>"P"</b> documento publicado antes de la fecha de presentación internacional pero con posterioridad a la fecha de prioridad reivindicada. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>"X"</b> documento particularmente relevante; la invención reivindicada no puede considerarse nueva o que implique una actividad inventiva por referencia al documento aisladamente considerado.<br><b>"Y"</b> 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.                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                |                                                    |

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|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Literatura no patente</b><br><b>**Se incluye entre otros, toda la referencia de la literatura no patente.</b> | -Synthesis and evaluation of diarylthiazole derivatives that inhibit activation of sterol regulatory element-binding proteins; <a href="https://www.ncbi.nlm.nih.gov/pubmed/21561152">https://www.ncbi.nlm.nih.gov/pubmed/21561152</a><br>- Inhibition of SREBP by a small molecule, betulin, improves hyperlipidemia and insulin resistance and reduces atherosclerotic plaques; <a href="https://www.ncbi.nlm.nih.gov/pubmed/21195348">https://www.ncbi.nlm.nih.gov/pubmed/21195348</a><br>- Inhibition of SREBP increases gefitinib sensitivity in non-small cell lung cancer cells; <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5239560/pdf/oncotarget-07-52392.pdf">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5239560/pdf/oncotarget-07-52392.pdf</a><br>Sterol regulatory element binding proteins (SREBP)-1a and SREBP-2 are linked to the MAP-kinase cascade; <a href="http://www.jlr.org/content/41/1/99.full">http://www.jlr.org/content/41/1/99.full</a> |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

- Cleavage of Sterol Regulatory Element-binding Proteins (SREBPs) at Site-1 Requires Interaction with SREBP Cleavage-activating Protein EVIDENCE FROM IN VIVO COMPETITION STUDIES; <http://www.jbc.org/content/273/10/5785.full>
- Sterol Regulatory Element-binding Proteins (SREBPs): Key Regulators of Nutritional Homeostasis and Insulin Action; <http://www.jbc.org/content/275/42/32379.full>
- Regulation of sterol regulatory element-binding proteins by cholesterol flux in CaCo-2 cells; <https://www.ncbi.nlm.nih.gov/pubmed/11590226>
- Sterol regulatory element-binding proteins (SREBPs) as regulators of lipid metabolism: polyunsaturated fatty acids oppose cholesterol-mediated induction of SREBP-1 maturation; <https://www.ncbi.nlm.nih.gov/pubmed/12079833>

Fecha del reporte de búsqueda:

05/Mayo/2018

# 16072744 Srebp blockers

stnsw20

Project Created: 05-May-2018 11:26 AM EDT

Last Updated: 05-May-2018 11:45 AM EDT

Report Created: 05-May-2018 11:45 AM EDT

## STN Search Queries

- L1 Initial Search:** 05-May-2018 11:27 AM EDT **Last Search:** 05-May-2018 11:27 AM EDT  
perhaloalkylsulfonamide  
**User Settings:** Abbreviations=off; Plurals=off; Spelling=off; Apostrophe=off; Chemical Names=off; Diacritics=off; Hyphen=off; Cross File=off  
CAplus: 1 REGISTRY: - INPADOC: 1  
PCTFULL: 2 USFULL: 2
- L2 Initial Search:** 05-May-2018 11:28 AM EDT **Last Search:** 05-May-2018 11:28 AM EDT  
SREBP inhibitors  
**User Settings:** Abbreviations=off; Plurals=off; Spelling=off; Apostrophe=off; Chemical Names=off; Diacritics=off; Hyphen=off; Cross File=off  
CAplus: 3 REGISTRY: - INPADOC: 1  
PCTFULL: 5 USFULL: 5
- L3 Initial Search:** 05-May-2018 11:29 AM EDT **Last Search:** 05-May-2018 11:29 AM EDT  
Srebp blockers  
**User Settings:** Abbreviations=off; Plurals=off; Spelling=off; Apostrophe=off; Chemical Names=off; Diacritics=off; Hyphen=off; Cross File=off  
CAplus: 1 REGISTRY: - INPADOC: 1  
PCTFULL: 1 USFULL: 0

- L4 Initial Search:** 05-May-2018 11:30 AM EDT **Last Search:** 05-May-2018 11:30 AM EDT  
phenylmethanesulfonamide  
**User Settings:** Abbreviations=off; Plurals=off; Spelling=off; Apostrophe=off; Chemical Names=off;  
Diacritics=off; Hyphen=off; Cross File=off  
CAplus: 220 REGISTRY: - INPADOC: 2  
PCTFULL: 183 USFULL: 372
- L5 Initial Search:** 05-May-2018 11:31 AM EDT **Last Search:** 05-May-2018 11:31 AM EDT  
**L4 AND L2**  
**User Settings:** Abbreviations=off; Plurals=off; Spelling=off; Apostrophe=off; Chemical Names=off;  
Diacritics=off; Hyphen=off; Cross File=off  
CAplus: 0 REGISTRY: - INPADOC: 0  
PCTFULL: 0 USFULL: 0
- L6 Initial Search:** 05-May-2018 11:31 AM EDT **Last Search:** 05-May-2018 11:31 AM EDT  
trifluoromethanesulfonamide  
**User Settings:** Abbreviations=off; Plurals=off; Spelling=off; Apostrophe=off; Chemical Names=off;  
Diacritics=off; Hyphen=off; Cross File=off  
CAplus: 659 REGISTRY: - INPADOC: 26  
PCTFULL: 430 USFULL: 915
- L7 Initial Search:** 05-May-2018 11:32 AM EDT **Last Search:** 05-May-2018 11:32 AM EDT  
**L6 AND L2**  
**User Settings:** Abbreviations=off; Plurals=off; Spelling=off; Apostrophe=off; Chemical Names=off;  
Diacritics=off; Hyphen=off; Cross File=off  
CAplus: 0 REGISTRY: - INPADOC: 0  
PCTFULL: 3 USFULL: 3
- L8 Initial Search:** 05-May-2018 11:37 AM EDT **Last Search:** 05-May-2018 11:37 AM EDT  
thiazol  
**User Settings:** Abbreviations=off; Plurals=off; Spelling=off; Apostrophe=off; Chemical Names=off;  
Diacritics=off; Hyphen=off; Cross File=off  
CAplus: 9435 REGISTRY: - INPADOC: 1610  
PCTFULL: 17380 USFULL: 23970
- L9 Initial Search:** 05-May-2018 11:38 AM EDT **Last Search:** 05-May-2018 11:38 AM EDT  
**L8 AND L2**  
**User Settings:** Abbreviations=off; Plurals=off; Spelling=off; Apostrophe=off; Chemical Names=off;  
Diacritics=off; Hyphen=off; Cross File=off  
CAplus: 0 REGISTRY: - INPADOC: 0  
PCTFULL: 4 USFULL: 4
- L10 Initial Search:** 05-May-2018 11:39 AM EDT **Last Search:** 05-May-2018 11:39 AM EDT  
imidazol AND **L2**  
**User Settings:** Abbreviations=off; Plurals=off; Spelling=off; Apostrophe=off; Chemical Names=off;  
Diacritics=off; Hyphen=off; Cross File=off  
CAplus: 0 REGISTRY: - INPADOC: 0  
PCTFULL: 3 USFULL: 3
- L11 Initial Search:** 05-May-2018 11:40 AM EDT **Last Search:** 05-May-2018 11:40 AM EDT  
oxazol AND **L2**  
**User Settings:** Abbreviations=off; Plurals=off; Spelling=off; Apostrophe=off; Chemical Names=off;  
Diacritics=off; Hyphen=off; Cross File=off  
CAplus: 0 REGISTRY: - INPADOC: 0  
PCTFULL: 3 USFULL: 3
- L12 Initial Search:** 05-May-2018 11:43 AM EDT **Last Search:** 05-May-2018 11:43 AM EDT

sterol regulatory element-binding proteins

**User Settings:** Abbreviations=off; Plurals=off; Spelling=off; Apostrophe=off; Chemical Names=off; Diacritics=off; Hyphen=off; Cross File=off

CAplus: 8089 REGISTRY: - INPADOC: 10

PCTFULL: 215 USFULL: 443

**L1** **Initial Search:** 05-May-2018 11:44 AM EDT **Last Search:** 05-May-2018 11:44 AM EDT  
**3**

**L12** AND Pyridylthiazoles

**User Settings:** Abbreviations=off; Plurals=off; Spelling=off; Apostrophe=off; Chemical Names=off; Diacritics=off; Hyphen=off; Cross File=off

CAplus: 0 REGISTRY: - INPADOC: 0

PCTFULL: 0 USFULL: 0

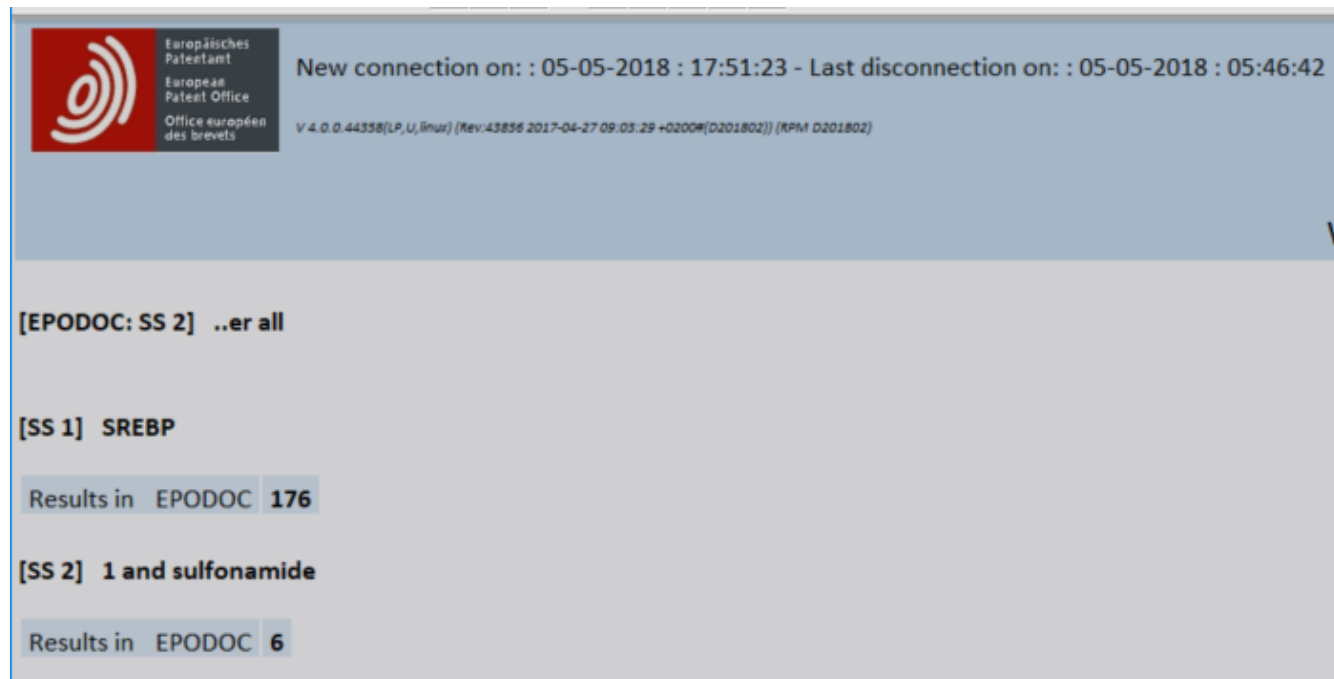
**L1** **Initial Search:** 05-May-2018 11:45 AM EDT **Last Search:** 05-May-2018 11:45 AM EDT  
**4**

hyperproliferative disorders AND **L2**

**User Settings:** Abbreviations=off; Plurals=off; Spelling=off; Apostrophe=off; Chemical Names=off; Diacritics=off; Hyphen=off; Cross File=off

CAplus: 1 REGISTRY: - INPADOC: 1

PCTFULL: 2 USFULL: 2



The screenshot displays the STN database interface. At the top, there is a header bar with the European Patent Office logo and text: "Europäisches Patentamt", "European Patent Office", "Office européen des brevets". To the right of the logo, it says "New connection on: : 05-05-2018 : 17:51:23 - Last disconnection on: : 05-05-2018 : 05:46:42" and "V 4.0.0.44358(LP, U, Linux) (Rev:43856 2017-04-27 09:05:29 +0200#(D201802)) (RPM D201802)". Below the header, the main content area shows search results. The first section is labeled "[EPODOC: SS 2] ..er all". The second section is labeled "[SS 1] SREBP" and shows "Results in EPODOC 176". The third section is labeled "[SS 2] 1 and sulfonamide" and shows "Results in EPODOC 6".



Username: sic8@patbase.com  
Subaccount: GermAjn Clavijo

Menu ▾ Search ▾ History ▾ Session ▾ Folder ▾ Order Help ▾ Logoff

| # | Search query            | Results | Options                                                                                                                   |
|---|-------------------------|---------|---------------------------------------------------------------------------------------------------------------------------|
| 2 | Srebp blockers          | 1       | <a href="#">View</a>   <a href="#">Browse</a>   <a href="#">Hits</a>   <a href="#">Optimise</a>   <a href="#">more...</a> |
| 1 | STAC=(SREBP inhibitors) | 1       | <a href="#">View</a>   <a href="#">Browse</a>   <a href="#">Hits</a>   <a href="#">Optimise</a>   <a href="#">more...</a> |

InformationShortcuts

Command Reference

Bibliographic data

Technical data