

ADVANCED GUIDELINE FOR SPECIFIC PATENT SEARCHES

Specific Tutorial 1 – Chemical Compounds

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DIESP/Directorate of Patents, Software, and Topography of
Integrated Circuits – DIRPA/Brazilian National Institute of
Industrial Property – INPI*

Rio de Janeiro, July 30, 2018.

WARNING:

As a continuation of the Basic Guideline, this guideline requires previous knowledge.

If you have not yet read the Basic Guideline, please access it [here](#) before proceeding.

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Initial considerations

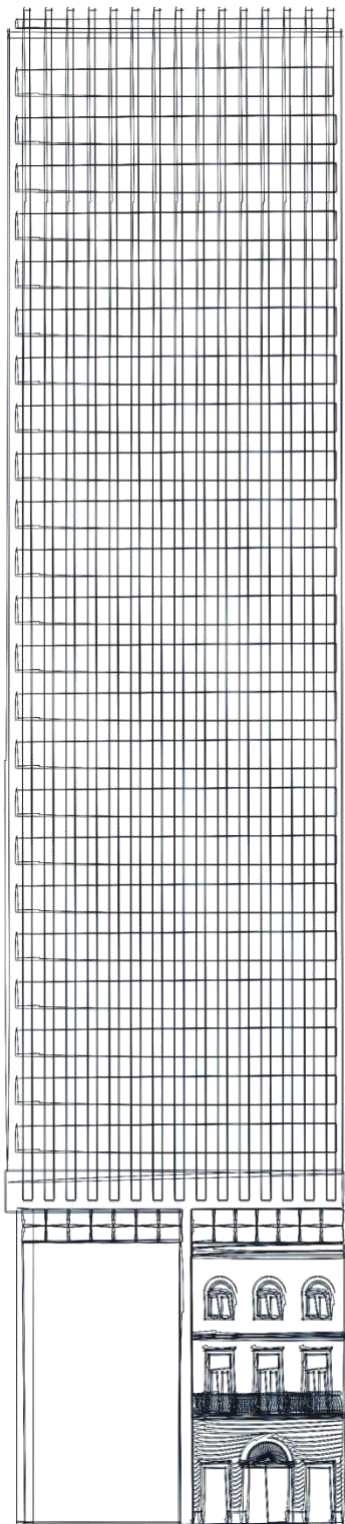
First step: search for synonyms

- in the PubChem database
- in the ChemSpider database

Second step: search for patent documents

- in the Espacenet database
- in the Google Patents database

Conclusion



Initial considerations

Specific search in patent documents related to chemical compounds:

- Should not be focused only on trade names.
 - It is important to use the names of chemical substances and its synonyms.
- Therefore, before starting the search, the several synonyms of the compound should be surveyed.

First step: search for synonyms

Search for synonyms

There are several commercial and free databases that can be consulted to find synonyms.

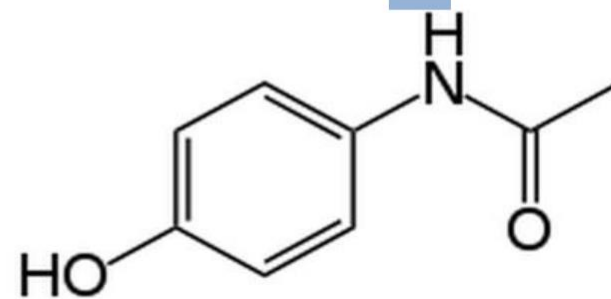
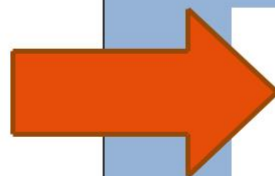
Examples of free databases are:



For example, synonyms for paracetamol will be searched in two free databases.



Source: <http://www.salud.es/paracetamol>



Search for synonyms in the PubChem database



Access <https://pubchem.ncbi.nlm.nih.gov/>

PubChem

[BioAssay](#) [Compound](#) [Substance](#)

[Go](#) [Limits](#) [Advanced](#)

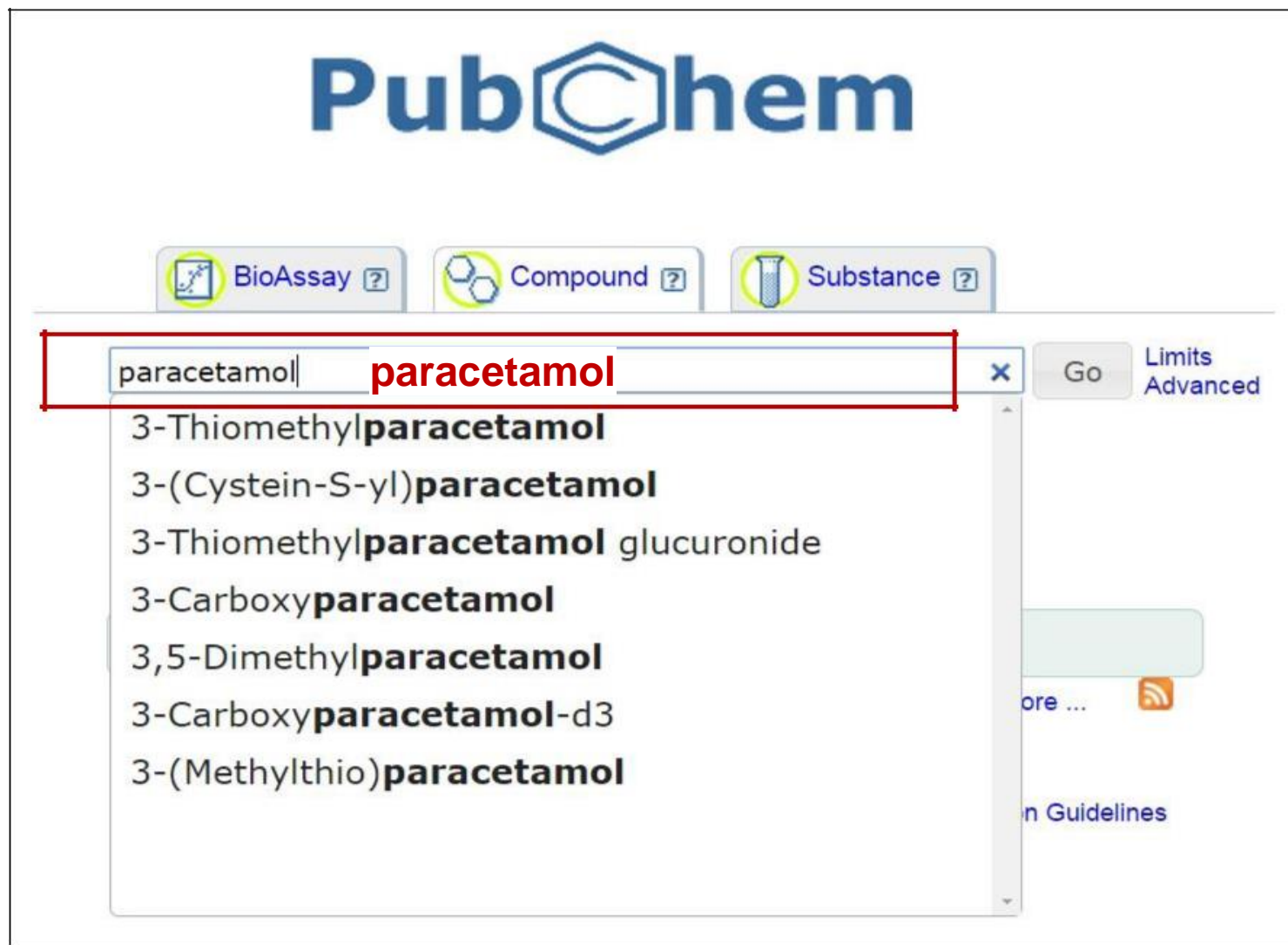
Try the new [PubChem Search](#)

New The PubChem Substance Record page is now released. [Read more...](#)

[more ...](#)

[Write to Helpdesk](#) | [Disclaimer](#) | [Privacy Statement](#) | [Accessibility](#) | [Data Citation Guidelines](#)
National Center for Biotechnology Information
NLM | NIH | HHS

Use the “Compound” tab to conduct the search using the name of the substance (as the example below) or the trade name.



The image shows the PubChem website interface. At the top, the PubChem logo is displayed. Below the logo, there are three tabs: "BioAssay", "Compound", and "Substance". The "Compound" tab is selected. A search bar contains the text "paracetamol" and "paracetamol" (the second instance is highlighted in red). To the right of the search bar are buttons for "Go", "Limits", and "Advanced". A dropdown menu is open below the search bar, listing several related compounds:

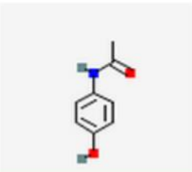
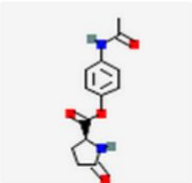
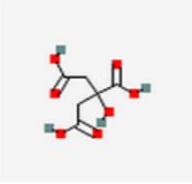
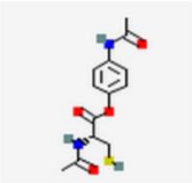
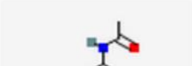
- 3-Thiomethylparacetamol
- 3-(Cystein-S-yl)paracetamol
- 3-Thiomethylparacetamol glucuronide
- 3-Carboxyparacetamol
- 3,5-Dimethylparacetamol
- 3-Carboxyparacetamol-d3
- 3-(Methylthio)paracetamol

The results are ordered by relevance. Please note that the paracetamol compound appears first, followed by its by-products.

To access the compound file, click on the name of interest:

Results: 1 to 20 of 53

<< First < Prev Page 1 of 3 Next > Last >>

1.  [acetaminophen; 4-Acetamidophenol; Paracetamol ...](#)
MW: 151.162560 g/mol MF: C₈H₉NO₂
IUPAC name: N-(4-hydroxyphenyl)acetamide
CID: 1983
[Summary](#) [Similar Compounds](#) [Same Parent, Connectivity](#) [Mixture/Component Compounds](#) [PubMed \(MeSH Keyword\)](#) [Active in 59 of 2893 BioAssays](#)
2.  [Pidolacetamol; Paracetamol-PGA; Paracetamol pyroglutamic acid ester ...](#)
MW: 262.261260 g/mol MF: C₁₃H₁₄N₂O₄
IUPAC name: (4-acetamidophenyl) (2S)-5-oxopyrrolidine-2-carboxylate
CID: 65920
[Summary](#) [Similar Compounds](#) [Same Parent, Connectivity](#)
3.  [citric acid; Citro: 77-92-9 ...](#)
MW: 192.123520 g/mol MF: C₆H₈O₇
IUPAC name: 2-hydroxypropane-1,2,3-tricarboxylic acid
CID: 311
[Summary](#) [Similar Compounds](#) [Same Parent, Connectivity](#) [Mixture/Component Compounds](#) [PubMed \(MeSH Keyword\)](#) [Active in 20 of 957 BioAssays](#)
4.  [Paracetamol mercapturate; paracetamol-mercapturate; acetaminophen-mercapturate ...](#)
MW: 296.342140 g/mol MF: C₁₃H₁₆N₂O₄S
IUPAC name: (4-acetamidophenyl) (2R)-2-acetamido-3-sulfanylpropanoate
CID: 171471
[Summary](#) [Similar Compounds](#) [Same Parent, Connectivity](#) [PubMed \(MeSH Keyword\)](#)
5.  [Paracetamol cysteine; L-Cysteine, 4-\(acetylamino\)phenyl ester; paracetamol-cysteine ...](#)
MW: 254.305460 g/mol MF: C₁₁H₁₄N₂O₃S

The acetaminophen (synonym with paracetamol) compound file has several information such as: structure, 3D conformer, synonyms, chemical and physical properties, and even patent documents.

PubChem | OPEN CHEMISTRY DATABASE

Search Compounds

Compound Summary for CID 1983

Download Print

Acetaminophen

Vendors Drug Information Pharmacology Literature Patents Bioactivities

Also known as: 4-Acetamidophenol, Paracetamol, Tylenol, APAP, 4'-Hydroxyacetanilide, Acetaminofen

Molecular Formula: C₈H₉NO₂ **Molecular Weight:** 151.16256 g/mol **InChI Key:** RZVAJINKPMORJF-UHFFFAOYSA-N

Analgesic antipyretic derivative of acetanilide. It has weak anti-inflammatory properties and is used as a common analgesic, but kidney damage.

Contents

- 1 2D Structure
- 2 3D Conformer
- 3 Identification
- 4 Chemical and Physical Properties

1 2D Structure

Search Download Get

In “Identification”, in sub-item 3.3, the synonyms and other descriptors are listed for the compound of interest.

3.3 Synonyms ?

3.3.1 MeSH Synonyms ?

| | |
|--------------------|------------------------------------|
| 1. Acamol | 11. APAP |
| 2. Acephen | 12. Datriil |
| 3. Acetaco | 13. Hydroxyacetanilide |
| 4. Acetamidophenol | 14. N-(4-Hydroxyphenyl)acetanilide |
| 5. Acetaminophen | 15. N-Acetyl-p-aminophenol |
| 6. Acetominophen | 16. p-Acetamidophenol |
| 7. Algotropyl | 17. p-Hydroxyacetanilide |
| 8. Anacin 3 | 18. Panadol |
| 9. Anacin-3 | 19. Paracetamol |
| 10. Anacin3 | 20. Tylenol |

from MeSH [41]

3.3.2 Depositor-Supplied Synonyms ?

| | | | |
|--------------------------|----------------------------|----------------|----------------------------------|
| 1. acetaminophen | 11. Algotropyl | 21. Febrilix | 31. Multin |
| 2. 4-Acetamidophenol | 12. p-Hydroxyacetanilide | 22. Gelocatil | 32. Parmol |
| 3. Paracetamol | 13. p-Acetamidophenol | 23. Injectapap | 33. Tempra |
| 4. Tylenol | 14. Lonarid | 24. Acephen | 34. N-(4-Hydroxyphenyl)acetamide |
| 5. APAP | 15. Naprinol | 25. Alvedon | 35. Abensanil |
| 6. 4'-Hydroxyacetanilide | 16. Acamol | 26. Anelix | 36. Acetagesic |
| 7. Acetaminofen | 17. p-Acetaminophenol | 27. Anhiba | 37. Clixodyne |
| 8. Panadol | 18. N-Acetyl-p-aminophenol | 28. Calpol | 38. Dolprone |
| 9. Datriil | 19. Acetalgin | 29. Dymadon | 39. Febrolin |
| 10. 103-90-2 | 20. Febridol | 30. Finimal | 40. Homoolan |

from PubChem [40]

◀ ▶

Search for synonyms in the ChemSpider database



Access <http://www.chemspider.com/>



About | More Searches | Web APIs | Help |

Simple search | Structure search | Advanced search

| | | | | | |
|----------------------|----------|-------------|------------------|-----------|------------------|
| Systematic names | Synonyms | Trade names | Registry numbers | SMILES | InChI |
| 1,2-dihydroxybenzene | AIBN | Aspirin | 7732-18-5 | O=C(OCC)C | InChI=1/CH4/h1H4 |

g+1 | 94 | | | |

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What is ChemSpider?

ChemSpider is a free chemical structure database providing fast text and structure search access to over 32 million structures from hundreds of data sources.

Watch [our introduction video](#).

Search by chemical names

- Systematic names
- Synonyms
- Trade names
- Database identifiers

Search by chemical structure

- Create structure-based queries
- Draw structures in the web page
- Use structure files from your computer

Find important data

- Literature references
- Physical properties
- Interactive spectra
- Chemical suppliers

Search using the “Simple search” tab by adding the name of the substance, as shown below, or the trade name.



About | More Searches | Web APIs | Help |

Simple search | Structure search | Advanced search

paracetamol

- Paracetamol
- Paracetamol cysteine
- paracetamol monohydrate
- paracetamololum

8+1 94

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What is ChemSpider?

ChemSpider is a free chemical structure database providing fast text and structure search access to over 32 million structures from hundreds of data sources.

Watch [our introduction video](#).

Search by chemical names

- Systematic names
- Synonyms
- Trade names
- Database identifiers

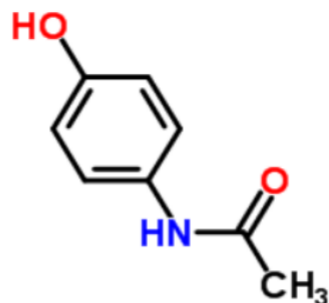
Search by chemical structure

- Create structure-based queries
- Draw structures in the web page
- Use structure files from your computer

Find important data

- Literature references
- Physical properties
- Interactive spectra
- Chemical suppliers

The compound file has several information, such as: structure, synonyms, chemical and physical properties, and even articles and patent documents.



? Cell 2D 3D Save Zoom

Paracetamol

ChemSpider ID: **1906**

Molecular Formula: $C_8H_9NO_2$

Average mass: 151.163 Da

Monoisotopic mass: 151.063324 Da

▼ Systematic name

N-(4-Hydroxyphenyl)acetamide

▶ SMILES and InChIs

▶ Cite this record

analgesic

anti-inflammatory drug

antipyretic

▼ Names and Identifiers

Names and Synonyms

Database ID(s)

Validated by Experts, Validated by Users, Non-Validated, Removed by Users, Redirected by Users, **Redirect Approved by Experts**

103-90-2 [RN]

203-157-5 [EINECS]

4-(Acetylamino)phenol

4-Acetaminophenol

4'-Hydroxyacetanilide

4-Hydroxyanilid kyseliny octove [Czech]

Acetamide, N-(4-hydroxyphenyl)- [ACD/Index Name]

Acetamide, N-(p-hydroxyphenyl)-

Acetaminophen [JP15] [USP] [Wiki]

Acetanilide, 4'-hydroxy-

[More...](#)

Examples of synonyms extracted from the PubChem and Chemspider databases:

- Paracetamol
- Tylenol
- Febrolin
- Dolgesic
- IUPAC Nomenclature: N-(4-hydroxyphenyl)acetamide
- Acetamidophenol
- Acetaminophen
- Hydroxyacetanilide
- 4-(Acetylamino)phenol

Second step: search for patent documents

Search for patent documents

There are several commercial and free databases for searching patent documents.

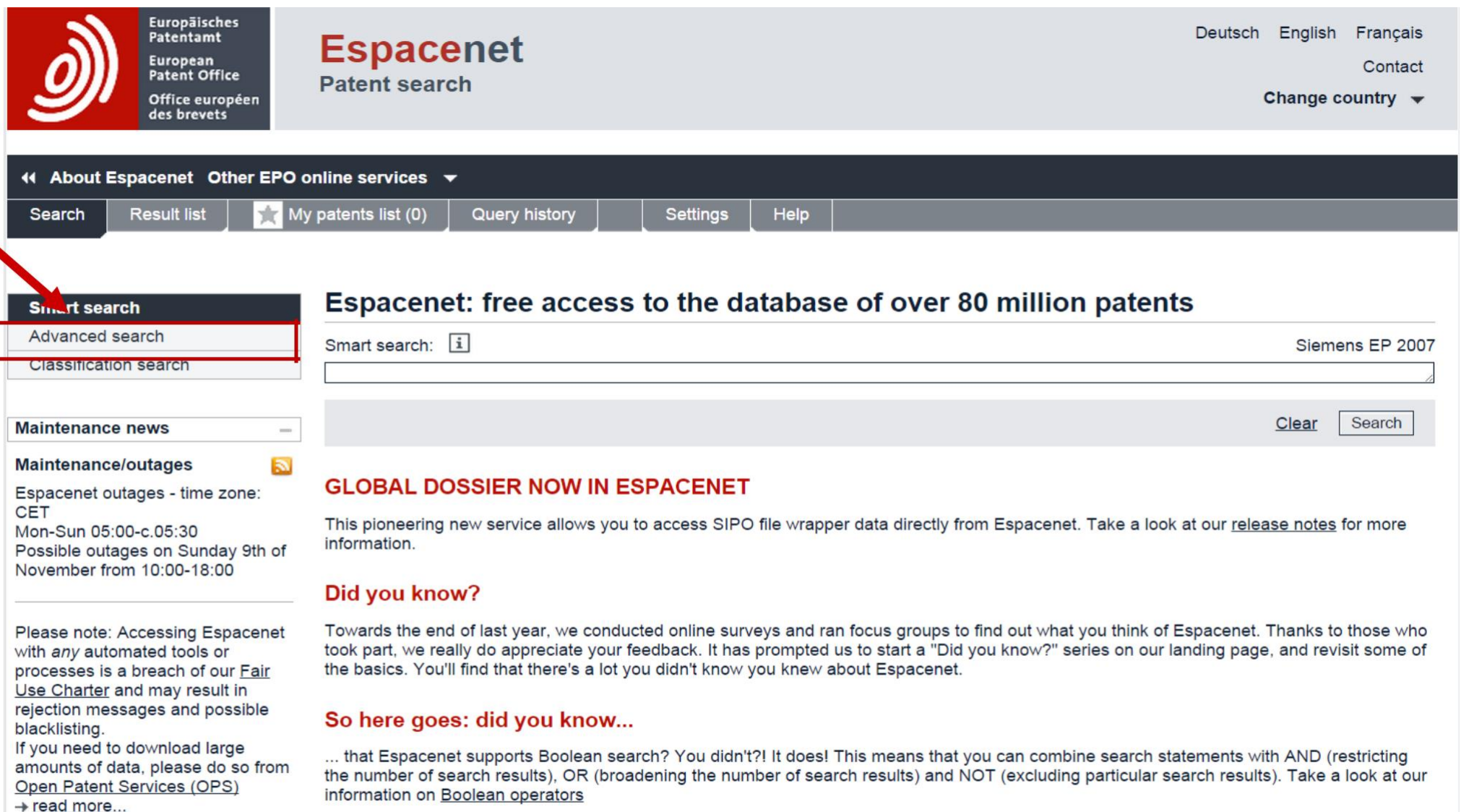
Examples of free databases:



Search for patent documents in the database **Espace**net



Access <http://worldwide.espacenet.com/> and select “Advanced search”.



The screenshot shows the Espacenet website interface. At the top left is the logo of the European Patent Office (EPO) with the text: "Europäisches Patentamt", "European Patent Office", and "Office européen des brevets". To the right of the logo is the "Espacenet Patent search" logo. Further right are language options: "Deutsch", "English", "Français", and a "Contact" link. Below these is a "Change country" dropdown menu.

Below the header is a navigation bar with the following items: "About Espacenet", "Other EPO online services", "Search", "Result list", "My patents list (0)", "Query history", "Settings", and "Help".

The main content area is divided into two columns. The left column contains a "Smart search" menu with three options: "Smart search", "Advanced search", and "Classification search". A red arrow points to the "Advanced search" option, which is highlighted with a red box. Below this menu is a "Maintenance news" section with a minus sign, followed by "Maintenance/outages" with a RSS icon. The "Maintenance/outages" section contains the text: "Espacenet outages - time zone: CET", "Mon-Sun 05:00-c.05:30", and "Possible outages on Sunday 9th of November from 10:00-18:00". Below this is a "Please note" section with the text: "Please note: Accessing Espacenet with any automated tools or processes is a breach of our Fair Use Charter and may result in rejection messages and possible blacklisting. If you need to download large amounts of data, please do so from Open Patent Services (OPS) → read more...".

The right column features a main heading: "Espacenet: free access to the database of over 80 million patents". Below this is a search bar with the text "Smart search: [i]" and "Siemens EP 2007". The search bar is empty. Below the search bar are "Clear" and "Search" buttons. Below the search bar is a section titled "GLOBAL DOSSIER NOW IN ESPACENET" with the text: "This pioneering new service allows you to access SIPO file wrapper data directly from Espacenet. Take a look at our release notes for more information." Below this is a section titled "Did you know?" with the text: "Towards the end of last year, we conducted online surveys and ran focus groups to find out what you think of Espacenet. Thanks to those who took part, we really do appreciate your feedback. It has prompted us to start a 'Did you know?' series on our landing page, and revisit some of the basics. You'll find that there's a lot you didn't know you knew about Espacenet." Below this is a section titled "So here goes: did you know..." with the text: "... that Espacenet supports Boolean search? You didn't?! It does! This means that you can combine search statements with AND (restricting the number of search results), OR (broadening the number of search results) and NOT (excluding particular search results). Take a look at our information on Boolean operators".

Make the search by filling the fields of interest with the keywords previously selected in the synonyms databases.

Example: trade name tylenol in “title or abstract”

Advanced search

Select the collection you want to search in

Worldwide - collection of published applications from 90+ countries

Enter your search terms - CTRL-ENTER expands the field you are in

Enter keywords in English

Title:

plastic and bicycle

Title or abstract:

hair

tylenol

tylenol



Please note that only 6 results were found using the term “tylenol”.

Result list

Select all (0/6)  Compact  Export (CSV | XLS)  Download covers

 Print

6 results found in the Worldwide database for:
tylenol in the title or abstract

Sort by  Sort order 

1. **IN THE SOLVENTLESS REACTION CONDITIONS USING MICROWAVE TYLENOL'S NEW HIGH-SPEED MANUFACTURING**

| | | | | | | |
|---|--------------------------------------|---------------------------------------|-------------|--|---|-------------------------------------|
| ★ | Inventor: LEE JIN SOO [KR] | Applicant: LEE JIN SOO [KR] | CPC: | IPC: A61K31/166 B01J19/12 C07C231/00 (+1) | Publication info: KR20140019712 (A) 2014-02-17 | Priority date: 2012-08-07 |
|---|--------------------------------------|---------------------------------------|-------------|--|---|-------------------------------------|

2. **SYSTEM AND METHOD FOR SCHEDULE BASED GROUP BYING**


| | | | | | | |
|---|--|--|-------------|--------------------------|---|-------------------------------------|
| ★ | Inventor: SEOK YOON CHAN [KR] KANG SUNG KYU [KR] | Applicant: SEOK YOON CHAN [KR] KANG SUNG KYU [KR] | CPC: | IPC: G06Q30/06 | Publication info: KR20120138920 (A) 2012-12-27 | Priority date: 2011-06-16 |
|---|--|--|-------------|--------------------------|---|-------------------------------------|

3. **Feminine care kit**

| | | | | | | |
|---|---|-------------------|---------------------------------|--------------------------|---|-------------------------------------|
| ★ | Inventor: GONZALES SHERRI [US] | Applicant: | CPC: <u>B65D69/00</u> | IPC: B65D69/00 | Publication info: US2011215025 (A1) 2011-09-08 | Priority date: 2010-03-04 |
|---|---|-------------------|---------------------------------|--------------------------|---|-------------------------------------|

Therefore, new searches shall be made using chemical names of the substance; for example, acetaminophen:

Advanced search


Select the collection you want to search in 

Worldwide - collection of published applications from 90+ countries 

Enter your search terms - CTRL-ENTER expands the field you are in

Enter keywords in English

Title:  plastic and bicycle




Title or abstract:  hair

acetaminophen

acetaminophen

Please note that, this time, 1,342 results were found by using one of the chemical names of the substance.

Result list

Select all (0/25)  Compact  Export (CSV | XLS)  Download covers

 Print

Approximately 1,342 results found in the Worldwide database for:
acetaminophen in the title or abstract
Only the first 500 results are displayed.

1 

Results are sorted by date of upload in database

1. Solvent free synthesis of **acetaminophen**

| | | | | | |
|--|--|----------------------------------|---------------------------|--|-------------------------------------|
| ★ Inventor: AMIN MUHAMMAD [PK] IQBAL MUHAMMAD S [PK] | Applicant: AMIN MUHAMMAD [PK] IQBAL MUHAMMAD S [PK] | CPC: <u>C07C231/02</u> | IPC: C07C231/02 | Publication info: US9006488 (B1) 2015-04-14 | Priority date: 2014-03-20 |
|--|--|----------------------------------|---------------------------|--|-------------------------------------|

2. Compositions And Methods For Amelioration And Prevention Of Drug-Induced Toxicity

| | | | | | |
|--|---|--|--|---|-------------------------------------|
| ★ Inventor: MOGRABI JOSEF [IL] ILAN YARON [IL] | Applicant: MOGRABI JOSEF [IL] HADASIT MED RES SERVICE [IL] | CPC: <u>A61K2300/00</u> (+21) | IPC: A61K31/10 A61K31/197 A61K31/198 (+3) | Publication info: US2015080348 (A1) 2015-03-19 | Priority date: 2012-05-24 |
|--|---|--|--|---|-------------------------------------|

3. Injectable supersaturated **acetaminophen** solution for spinal administration

| | | | | | |
|--------------------|---|--|-------------|--|-------------------------------------|
| ★ Inventor: | Applicant: SINT SA AUGUSTO MITIDIERI (+2) | CPC: <u>A61K2300/00</u> (+13) | IPC: | Publication info: IL236423 (A) 2015-02-26 | Priority date: 2012-06-29 |
|--------------------|---|--|-------------|--|-------------------------------------|

The search in the Espacenet database using the IUPAC nomenclature N-(4-hydroxyphenyl) acetamide is considered invalid, as the system does not recognize parenthesis.

Enter keywords in English

Title:

Title or abstract:

N-(4-hydroxyphenyl)acetamide



An error has occurred

Invalid query

[Refine search](#)

The page you tried to display caused an error.

Error message: Invalid syntax in this part of the query: (

[Do you not know why your search terms are not valid? Espacenet assistant](#)

In the attempt to search for the IUPAC nomenclature in Espacenet, a possible alternative is to use the terms of the chemical name combined with the Boolean operator “AND”.

IUPAC: N-(4-hydroxyphenyl)acetamide

Example: hydroxyphenyl AND acetamide in the “title or abstract”.


Advanced search


Select the collection you want to search in 

Worldwide - collection of published applications from 90+ countries 

Enter your search terms - CTRL-ENTER expands the field you are in

Enter keywords in English

Title:  plastic and bicycle

Title or abstract:  hair

hydroxyphenyl AND acetamide **hydroxyphenyl AND acetamide**

Please note that 98 results were found using the “hydroxyphenyl AND acetamide” combination.

Result list

Select all (0/25)  Compact  Export (CSV | XLS)  Download covers  Print

Approximately 98 results found in the Worldwide database for:
hydroxyphenyl and acetamide in the title or abstract

1 

Sort by  Sort order 

1. **METHOD OF TREATING LYMPHOMA USING THIENOTRIAZOLODIAZEPINE COMPOUNDS**

| | | | | | | |
|---|---|--|---|---|--|-------------------------------------|
| ★ | Inventor: BERTONI FRANCESCO [CH] BONETTI PAOLA [CH] | Applicant: ONCOETHIX SA [CH] | CPC: A61K31/551 | IPC: A61K31/5517 A61P35/00 | Publication info: CA2877434 (A1) 2014-01-03 | Priority date: 2012-06-25 |
|---|---|--|---|---|--|-------------------------------------|

2. **A novel O-alkylation production method of beta-blocker intermediates**

| | | | | | | |
|---|---|---|-------------|---|--|-------------------------------------|
| ★ | Inventor: JANG SHYUE- MING [TW] SHIEH TIAN- SHY [TW] | Applicant: IND TECH RES INST [TW] | CPC: | IPC: C07C231/12 C07D301/02 | Publication info: TW206963 (B) 1993-06-01 | Priority date: 1992-11-05 |
|---|---|---|-------------|---|--|-------------------------------------|


3. **A novel production method of the atenolol - an anti-high-blood-pressure drug**

| | | | | | | |
|---|---|---|-------------|---------------------------|--|-------------------------------------|
| ★ | Inventor: HWANG CHORNG- SHYONG [TW] LIOU MIAW- CHUEN [TW] (+1) | Applicant: IND TECH RES INST [TW] | CPC: | IPC: C07C215/08 | Publication info: TW206962 (B) 1993-06-01 | Priority date: 1992-05-15 |
|---|---|---|-------------|---------------------------|--|-------------------------------------|

It is important to note that the results found may be non-specific.

In the examples below, even with the words in the abstract, the substance of interest was not found.

Abstract of US2014018353 (A1)


Translate this text into 

Albanian

 patenttranslate powered by EPO and Google

A method of treating B-cell malignant cancers or T-cell malignant cancers in a mammal by administering to a patient a pharmaceutically acceptable amount of a composition comprising (S)-2-[4-(4-chlorophenyl)-2,3,9-trimethyl-6H-thieno[3,2-f][1,2,4]triazolo-[4,3-a][1,4]diazepin-6-yl]-N-(4-hydroxyphenyl)acetamide. The B-cell malignant cancers include diffuse large B-cell lymphoma and splenic marginal zone lymphoma. The T-cell malignant cancers include anaplastic large T-cell lymphoma.

Abstract of RU2448694 (C2)

Translate this text into 

Albanian

 patenttranslate powered by EPO and Google

FIELD: medicine, pharmaceuticals. ^ SUBSTANCE: group of inventions refers to medical chemistry and concerns using non-peptide compounds for inhibiting the oligomerisation of monomer peptides A1-42. There are offered methods for counteracting formation of neurotoxic proteins ADDL from monomer peptides A1-42, as well as methods for suppressing, regulating and/or modulating neuronal dysfunction or neurotoxicity caused by the proteins ADDL in nerve cells or nerve tissue due to suppressing formation of the proteins ADDL, involving the contact of monomer A1-42 and a compound specified in a group consisting of: (Z)-N-(2-Methoxy-phenyl)-2-oxo-2-{N'-[3-oxo-3-thiophen-2-yl-1-trifluoromethyl-propylidene]-hydrazino}-acetamide, ethyl ether of (E)-2-[[1-(2-hydroxy-3-methoxy-phenyl)-methylidene-hydrazinooxalyl]-amino]-6-methyl-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid, ethyl ether of (E)-2-[[1-(2-hydroxynaphthalen-1-yl)-methylidene-hydrazinooxalyl]-amino]-6-methyl-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid, ethyl ether of (E)-2-[[1-(2-hydroxyphenyl)-methylidene-hydrazinooxalyl]-amino]-6-methyl-4,5,6,7-tetrahydro-benzo[b]thiophene-3-carboxylic acid, 2-(5-Hydroxy-3-isobutyl-5-(trifluoromethyl)-4,5-dihydro-1H-pyrazol-1-yl)-N-(2-methoxyphenyl)-2-oxoacetamide and (E)-2-Hydroxy-N'-((1-hydroxynaphthalen-2-yl)methylene)benzohydrazide.; There are also presented compositions containing an effective amount of the compounds stated above. ^ EFFECT: group of invention provides the candidate compounds for developing drug preparations for neurodegenerative disorders associated with the proteins ADDL, particularly Alzheimer's disease. ^ 25 cl, 2 dwg, 1 tbl, 3 ex

To make the previous search more specific, in addition to the keywords, the International Patent Classification (IPC) related to preparations for medical purposes can be used:

A61K Preparations for medical, dental, or toilet purposes.

Enter keywords in English

Title:

Title or abstract: **hydroxyphenyl AND acetamide**

Enter one or more classification symbols

CPC

IPC **a61k**

As a result, approximately 47 documents related to the substance of interest were found:

Approximately 47 results found in the Worldwide database for:
hydroxyphenyl AND acetamide in the title or abstract AND **a61k** as the IPC classification

1 ▶

Sort by Sort order

1. **METHOD OF TREATING LYMPHOMA USING THIENOTRIAZOLODIAZEPINE COMPOUNDS**

| | | | | | | |
|---|--|--|----------------------------------|---|--|-------------------------------------|
| ★ | Inventor: BERTONI FRANCESCO [CH] BONETTI PAOLA [CH] | Applicant: ONCOETHIX SA [CH] | CPC: <u>A61K31/551</u> | IPC: A61K 31/5517 A61P35/00 | Publication info: CA2877434 (A1) 2014-01-03 | Priority date: 2012-06-25 |
|---|--|--|----------------------------------|---|--|-------------------------------------|

2. **ANTITUMOR AGENT**

| | | | | | | |
|---|--|--|---|-----------------------------------|---|-------------------------------------|
| ★ | Inventor: MIYOSHI SHINJI [JP] OOIKE SHINSUKE [JP] (+3) | Applicant: MITSUBISHI TANABE PHARMA CORP [JP] | CPC: <u>A61K31/551</u> <u>C07D495/14</u> | IPC: A61K 31/551 | Publication info: US2013261109 (A1) 2013-10-03 | Priority date: 2007-12-28 |
|---|--|--|---|-----------------------------------|---|-------------------------------------|

3. **TRIAZOLOPYRIDAZINES AS PAR1 INHIBITORS, PRODUCTION THEREOF, AND USE AS MEDICAMENTS**


| | | | | | | |
|---|---|-------------------------------------|--|--|--|-------------------------------------|
| ★ | Inventor: HEINELT UWE WEHNER VOLKMAR (+4) | Applicant: SANOFI AVENTIS | CPC: <u>A61K31/5025</u> <u>C07D487/04</u> | IPC: A61K 31/5025 A61P7/02 C07D487/04 | Publication info: NZ587141 (A) 2012-04-27 | Priority date: 2008-02-05 |
|---|---|-------------------------------------|--|--|--|-------------------------------------|

4. **ACETAMIDE STEREOISOMER**




| | | | | | | |
|---|---|-----------------------------------|--|--|--|-------------------------------------|
| ★ | Inventor: ABOLIN CRAIG R WILKINSON H | Applicant: SEPRACOR INC | CPC: <u>A61K31/167</u> <u>A61K31/4015</u> | IPC: A61K 31/167 A61P11/08 | Publication info: NZ583462 (A) 2012-03-30 | Priority date: 2007-08-28 |
|---|---|-----------------------------------|--|--|--|-------------------------------------|

The name of the chemical compound is not frequently found in the title or abstract, but only in the description. In Espacenet, the search in full text can be made in EP (filed at the European Patent Office) and WO (PCT fillings) documents. The selection can be made in the Advanced Search:

Advanced search

Select the collection you want to search in 

- Worldwide - collection of published applications from 90+ countries
- Worldwide - collection of published applications from 90+ countries
- EP - complete collection including full text of European published applications
- WIPO - complete collection including full text of PCT published applications**

Enter your search terms   



The keywords, now in the field regarding the full text, will be combined again with the A61K classification:

Enter keywords in English

Title:

Title or abstract: **hydroxyphenyl AND acetamide**

Keyword(s) in full text:

Enter one or more classification symbols

CPC

IPC **a61k**



3 documents were found, which shall be read and analyzed.

Result list

Select all (0/3)  Compact  Export (CSV | XLS)  Download covers

 Print

3 results found in the WIPO database for:
hydroxyphenyl and acetamide in the title or abstract AND **a61k** as the IPC classification

Sort by  Sort order 

1. **METHOD OF TREATING LYMPHOMA USING THIENOTRIAZOLODIAZEPINE COMPOUNDS**

| | | | | | | |
|---|--|--|-------------|--|---|-------------------------------------|
| ★ | Inventor: BERTONI FRANCESCO [CH] BONETTI PAOLA [CH] | Applicant: ONCOETHIX SA [CH] | CPC: | IPC: A61K 31/5517 A61P35/00 | Publication info: WO2014001356 (A1) 2014-01-03 | Priority date: 2012-07-12 |
|---|--|--|-------------|--|---|-------------------------------------|

2. **A 2-F LUOROBENZOATE SALT AND A 2, 6-DIF LUOROBENZOATE SALT OF N-{5-CHLORO-2- [((2S) -3-{ [1- (4-CHLOROBENZYL)PIPERIDIN-4- YL] AMINO } - 2 - HYDROXY- 2 -ME T HYLPR OPYL) OXY] - 4 - HYDROXYPHENYL } ACETAMIDE**

| | | | | | | |
|---|--|--|-------------|---|---|-------------------------------------|
| ★ | Inventor: GIOVANNINI JULIEN [GB] JOSEFSSON BO-GOERAN [SE] (+2) | Applicant: ASTRAZENECA AB [SE] GIOVANNINI JULIEN [GB] (+3) | CPC: | IPC: A61K 31/4468 A61K 9/72 A61P11/00 (+2) | Publication info: WO2008100202 (A1) 2008-08-21 | Priority date: 2007-02-14 |
|---|--|--|-------------|---|---|-------------------------------------|

3. **VASCULAR WALL-SELECTIVE ACAT INHIBITOR**

| | | | | | | |
|---|---|--|-------------|---|---|-------------------------------------|
| ★ | Inventor: EDANO TOSHIYUKI [JP] KAWAMINE KATSUMI [JP] (+6) | Applicant: EDANO TOSHIYUKI [JP] KAWAMINE KATSUMI [JP] (+7) | CPC: | IPC: A61K 31/496 A61P3/06 A61P43/00 (+8) | Publication info: WO03018564 (A1) 2003-03-06 | Priority date: 2001-08-22 |
|---|---|--|-------------|---|---|-------------------------------------|

Attention

➤ The specific classification of a compound can be used in place of the name of the compound in case of searches focused on finding different dosages or combinations of substances, such as:

A61K 31/167 (specific to paracetamol) and ibuprofen

➤ The possibility of adding new combinations of keywords and classifications to the strategy should also be considered, such as:

- A61P (therapeutic activity) and paracetamol
- C07 (synthesis methods) and A61P (therapeutic activity)
 - Dolgesic or Hydroxyacetanilide

Search for patent documents in the database

Google Patents



Access <https://www.google.com.br/?tbm=pts>

In Google Patents, there is an automatic search in the title, abstract, and full text.

The search also includes an automatic truncation of the terms used.



The search below uses the IUPAC nomenclature of paracetamol in quotation marks: “N-(4-hydroxyphenyl)acetamide”

Approximately 89,500 results were found with the exact expression in the title, abstract, and/or full text.



Web Imagens Vídeos Shopping Mais ▾ Ferramentas de pesquisa

Aproximadamente 89.500 resultados (0,27 segundos)

Esters of n-(4'-hydroxyphenyl)acetamide with ...

image
not
available

www.google.com.br/.../EP0051981B1?cl... - Traduzir esta página
Concedida - Arquivado em 4 nov. 1981 - Emitido 26 fev. 1986 - Badia Jose
Ma Calzada - Calzada Y Cia, S.R.C.
The present invention relates to esters of **N-(4'-hydroxyphenyl)acetamide**
with 5-benzoyl-1-methyl-' pyrrole-2-acetic acids, which have the ...
[Visão geral](#) - [Relacionados](#) - [Discussão](#)

Antitumor agent

image
not
available

www.google.com.br/.../US20130261109 - Traduzir esta página
Pedida - Arquivado em 28 maio 2013 - Publicado em 3 out. 2013 - Shinji
Miyoshi - Mitsubishi Tanabe Pharma Corporation
... -6H-thieno[3,2-f][1,2,4]triazolo[4,3-a][1,4]diazepin-6-yl]-**N-(4-**
hydroxyphenyl)acetamide or a dihydrate thereof to the mammal.
[Visão geral](#) - [Relacionados](#) - [Discussão](#)

Below, the term is used without quotation marks: **N-(4-hydroxyphenyl)acetamide**.

In this case, approximately 289,000 results were found, as the terms of the expression were found in the title, abstract, and/or full text.

However, this large number of documents does not necessarily indicate that all results are relevant.



The screenshot shows a Google search interface. The search bar contains the text "N-(4-hydroxyphenyl)acetamide" in red. Below the search bar, there are navigation options: "Web", "Imagens", "Vídeos", "Shopping", "Mais", and "Ferramentas de pesquisa". A red box highlights the search results summary: "Aproximadamente 289.000 resultados (0,37 segundos)". Below this, two search results are visible. The first result is titled "Esters of n-(4'-hydroxyphenyl)acetamide with ..." and includes a link to a patent document. The second result is titled "etherification of 2-(4-hydroxyphenyl)acetamide with ..." and also includes a link to a patent document. Both results include a brief description of the invention and links for "Visão geral", "Relacionados", and "Discussão".

Google

Web Imagens Vídeos Shopping Mais Ferramentas de pesquisa

Aproximadamente 289.000 resultados (0,37 segundos)

Esters of n-(4'-hydroxyphenyl)acetamide with ...
www.google.com.br/.../EP0051981B1?cl... - Traduzir esta página
Concedida - Arquivado em 4 nov. 1981 - Emitido 26 fev. 1986 - Badia Jose Ma Calzada - Calzada Y Cia, S.R.C.
The present invention relates to esters of **N-(4'-hydroxyphenyl)acetamide** with 5-benzoyl-1-methyl-' pyrrole-2-acetic acids, which have the ...
[Visão geral](#) - [Relacionados](#) - [Discussão](#)

etherification of 2-(4-hydroxyphenyl)acetamide with ...
www.google.com.br/patents/US6982349 - Traduzir esta página
Concedida - Arquivado em 5 nov. 2003 - Emitido 3 jan. 2006 - Satish Ramanlal Mehta - Emcure Pharmaceuticals Limited
The present invention relates to an improved process for producing ... etherification of 2-(**4-hydroxyphenyl)acetamide** with (R)-epichlorohydrin in presence ... the formula $R^1R^2R^3R^4N^+X^-$ wherein each of R^1 , R^2 , R^3 and R^4 is ...
[Visão geral](#) - [Relacionados](#) - [Discussão](#)

Please note that, although the search has been performed combining the terms, the automatic truncation of the database also yields results with the terms separately.

Preparation of benzofurans and use thereof as synthetic ...



www.google.com.br/.../US20130046103 - Traduzir esta página

Pedida - Arquivado em 10 fev. 2011 - Publicado em 21 fev. 2013 - Ehud Marom - Mapi Pharma Limited

N-(3-formyl-4-hydroxyphenyl)-**N**-(methylsulfonyl) (b) reaction of the **N**-(4-methoxyphenyl)acetamide with 2-bromohexanoyl chloride or ...

Visão geral - Relacionados - Discussão

Quinoline derivatives



www.google.com.br/.../WO2008014602... - Traduzir esta página

Pedida - Arquivado em 25 jul. 2007 - Publicado em 7 fev. 2008 - Daniel Dumas - Chronogen Inc

N-((5-chloro-8-hydroxyquinolin-7-yl)(4-hydroxyphenyl)methyl)acetamide 26, **N**-((5-chloro-8-hydroxyquinolin-7-yl)(3-hydroxyphenyl) ...

Visão geral - Relacionados - Discussão

Conclusion

- As shown, the search for chemical substances should be made using different strategies and databases.
- Several attempts may be necessary to find the expected result using chemical names, their variations, and classifications iteratively.

NOTE: The searches shown in the examples were made in July 2015.



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Questions shall be sent to “*Faleconosco*” (Contact us)

<http://faleconosco.inpi.gov.br/faleconosco/>