

Welcome to SciFinderⁿ

This Quick Reference Guide will show you how to start using SciFinderⁿ, the industry's most-trusted and comprehensive chemistry relevance engine.

First, open the SciFinderⁿ Log In page: <https://scifinder-n.cas.org>.

Log in using your existing SciFinder **Username** and **Password**.

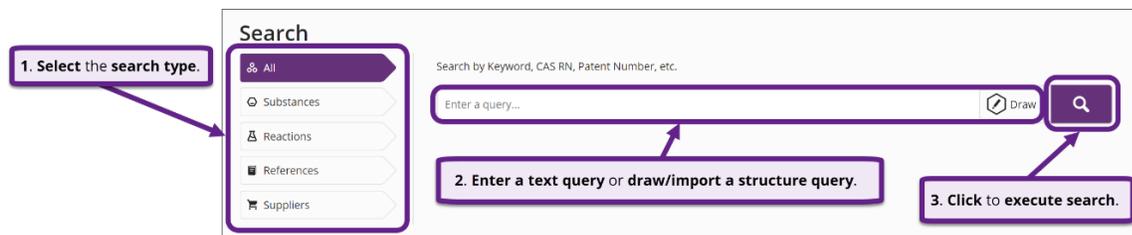
Note: First-time commercial users may self-register by clicking **Register for enterprise or government use**.



Search

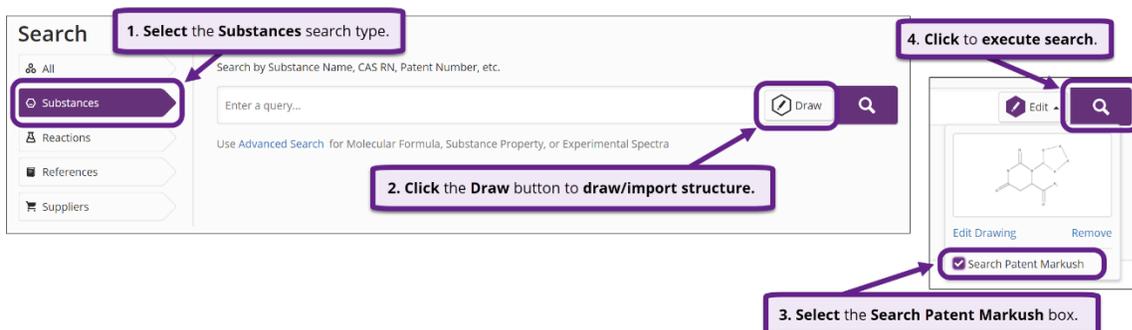
Search for the result type you need using a keyword, substance name, CAS Registry Number, patent number, or structure.

Note: You may enter a document object identifier (DOI) in the **All** and **References** searches.



Using **Advanced Search** for **References** and **Substances**, you may search by specific information type (e.g., author name or substance property).

Patent Markush Search: To conduct a patent markush search, select **Substances**, draw/import the query using the Structure Editor, and then check the box for **Search Patent Markush**.



Substances

Select type of structure match.

Retrieve data related to all results.

Sort results by relevance or amount of related data.

Change result display.

View a breakdown of the structure's precision.

Select filters to focus results.

Download results.

Email results.

Save results and/or search.

Retrieve data related to specific result.

View Key Physical Properties on Substance Detail page.

Click to view substance information window.

Click to open Substance Detail page.

Structure Match: As Drawn (13), Substructure (35), Similarity (20K), Analyze Structure Precision

Filter by: Commercial Availability, Reaction Role, Reference Role, Stereochemistry, Number of Components, Substance Class, Isotopes, Metals, Molecular Weight, Experimental Property, Experimental Spectrum, Regulatory Information, Bioactivity Indicator, Target Indicator, Search Within Results

Substances (13)

References (1,028) Reactions (28) Suppliers (36)

Sort: Relevance View: Full

Download results. Email results. Save results and/or search.

51234-28-7

Key Physical Properties

Molecular Weight	301.72	
Melting Point (Experimental)	189-190 °C	
Boiling Point (Predicted)	446.2±30.0 °C	Press: 760 Torr
Density (Predicted)	1.362±0.06 g/cm ³	Temp: 20 °C; Press: 760 Torr
pKa (Predicted)	4.36±0.30	Most Acidic Temp: 25 °C

1,028 References 28 Reactions 36 Suppliers

70280-67-0

Key Physical Properties

Key Physical Properties	Value	Condition
Molecular Weight	301.72	
Boiling Point (Predicted)	446.2±30.0 °C	Press: 760 Torr
Density (Predicted)	1.362±0.06 g/cm ³	Temp: 20 °C; Press: 760 Torr
pKa (Predicted)	4.36±0.30	Most Acidic Temp: 25 °C

36 References 0 Reactions 1 Supplier

66934-19-8

Substance Detail

Retrieve data related to substance.

Download detail.

Email detail.

Save detail.

Click the structure image to display its substance information window, which displays options to view details, generate retrosynthesis plan, and edit/download structure file.

Click to view expanded data in category below.

Click a category to expand and view additional substance information.

Expand or collapse all categories.

Substance Detail (1 of 13)

References (1,028) Reactions (28) Suppliers (36)

CAS Registry Number
51234-28-7

Download detail. Email detail. Save detail.

51234-28-7

CC(O)C(=O)c1ccc2nc(c1)C(=O)c3ccc(Cl)cc32

C₁₆H₁₂ClNO₃
5-Benzoxazoleacetic acid, 2-(4-chlorophenyl)- α -methyl-

Key Physical Properties

Key Physical Properties	Value	
Molecular Weight	301.72	
Melting Point (Experimental)	189-190 °C	
Boiling Point (Predicted)	446.2±30.0 °C	Press: 760 Torr
Density (Predicted)	1.362±0.06 g/cm ³	Temp: 20 °C; Press: 760 Torr
pKa (Predicted)	4.36±0.30	Most Acidic Temp: 25 °C

Experimental Properties | Spectra

Other Names

- Experimental Properties
- Experimental Spectra
- Predicted Properties
- Predicted Spectra

Expand All | Collapse All

References

Select filters to focus results. (Points to the Filter by sidebar)

Retrieve data related to all results. (Points to the Substances, Reactions, and Cited By filters)

Sort results by relevance or amount of related data. (Points to the Sort: Relevance dropdown)

Change result display. (Points to the View: Partial Abstract dropdown)

Download results. (Points to the Download icon)

Save results and/or search. (Points to the Save icon)

Email results. (Points to the Email icon)

Method for simulating experimental acute pancreatitis (Points to a search result title)

Click to open Reference Detail page. (Points to the result title)

Access options for viewing the full text of the reference. (Points to the PATENTPAK and Full Text dropdowns)

Access options for viewing patent information. (Points to the PATENTPAK dropdown)

Retrieve data related to specific result. (Points to the Substances, Reaction, Cited By, and Citation Map filters for a specific result)

Reference Detail

Retrieve data related to substance. (Points to the Substances (6) filter)

View map of references this document cites and references that cite this document. (Points to the Citation Map icon)

Download detail. (Points to the Download icon)

Email detail. (Points to the Email icon)

Save detail. (Points to the Save icon)

Set citing alert for the reference. (Points to the Cited By icon)

Access options for viewing the full text of the reference. (Points to the PATENTPAK Viewer and Full Text dropdowns)

Click a PatentPak option to view the patent source document. (Points to the PDF | PDF+ | Viewer options)

Expand to view concepts that characterize the general subject matter of the reference. (Points to the Concepts dropdown)

Expand to view substances indexed in the reference. (Points to the Substances dropdown)

Expand to view citations from this reference. (Points to the Citations dropdown)

Expand to view formulation information in the reference. (Points to the Formulations dropdown)

View interactive version of the patent that highlights specific locations of indexed substances. (Points to the Patent Family table)

Patent	Language	Kind Code	PatentPak Options	Publication Date	Application Number	Application Date
WO2015095199	English	A1	PDF PDF+ Viewer	2015-06-25		
P						
US20150164847	English	A1	PDF PDF+ Viewer	2015-06-18	US2014-14572159	2014-12-16

Reactions

Reference Detail (1 of 24)

Substances (6) | Reactions (0) | Cited By (0) | Citation Map

Retrieve data related to substance.

View map of references this document cites and references that cite this document.

Download detail. | **Email detail.** | **Save detail.**

Set citing alert for the reference.

Access options for viewing the full text of the reference.

View interactive version of the patent that highlights specific locations of indexed substances.

Click a PatentPak option to view the patent source document.

Expand to view concepts that characterize the general subject matter of the reference.

Expand to view substances indexed in the reference.

Expand to view citations from this reference.

Expand to view formulation information in the reference.

Expand to view citations from this reference.

Patent Information
Patent Number: WO2015095199
Publication Date: 2015-06-25
Application Number: WO2014-US70615

Method and composition comprising ethyl (α-guanido-methyl) ethanoate for treating osteoarthritis

By: Faulkn...

Abstract: A method and composition for treating osteoarthritis including administering an anti-inflammatory agent to a patient, wherein the anti-inflammatory agent is Et (α-guanido-methyl) ethanoate. Et (α-guanido-methyl) ethanoate provides a safe, non-toxic anti-inflammatory treatment for osteoarthritis.

PATENTPAK Viewer | Full Text

Patent	Language	Kind Code	PatentPak Options	Publication Date	Application Number	Application Date
WO2015095199	English	A1	PDF PDF+ Viewer	2015-06-25		
US20150164847	English	A1	PDF PDF+ Viewer	2015-06-18	US2014-14572159	2014-12-16

Concepts | Substances | Formulations | Citations

Assignee: Vireo Systems, Inc., United States
Source: World Intellectual Property Organization
Language: English

Reaction Detail

Reaction Detail (Scheme 1, Reaction 1 of 3)

Retrieve suppliers for the substance.

Download detail. | **Email detail.** | **Save detail.**

Click to open reaction reference's detail page.

View alternative reactions for the same product.

View all reference authors.

Click the tabs to view the steps in a multi-step reaction.

Click the tabs to view available experimental protocols.

View interactive version of the patent that highlights specific locations of indexed substances.

Access options for viewing the full text of the reference.

Suppliers (99) | Suppliers (86) | Suppliers (45) | Suppliers (14)

Step 1 | Step 2

Stage	Reagents	Catalyst	Solvents	Conditions
1	-	-	Tetrahydrofuran	2 h, 20 - 40 °C
2	Hydrogen	Platinum dioxide	-	8 - 15 h, 4 - 5 kg/cm ² , 20 °C

CAS Reaction Number: 31-313-CAS-12647628

Notes: autoclave used

Experimental Protocols: MethodsNow™ | Experimental Procedure

Products: 4-Methoxy-α-methyl-N-(phenylmethyl)benzeneethanamine

Reactants: Benzylamine

Reference: process for preparation of arformoterol via asymmetric reduction of nitroacetophenones.
By: Dixit, Girish; et al
View All | World Intellectual Property Organization

Patent Information
Patent Number: WO2010128355
Publication Date: 2010-11-11
Application Number: WO2009-1B8097
Application Date: 2009-12-28

Suppliers

Filter by

- Preferred Suppliers
 - Preferred (3)
 - No Preference (33)
- Supplier
 - DSK Biopharma Product List (4)
 - Atomax Chemicals Product List (2)
 - BOC Sciences Product List (2)
 - Chemieliva Pharmaceutical Product List (2)
 - LGC Product List (2)
 - [View All](#)
- Purity
- Quantity
- Ships Within
- Stock Status
- Order From Supplier
- Country

Suppliers (36) Sort: Relevance

Supplier	Substance	Purity	Purchasing Details	Availability
1 Arspichem Product List United States	51234-28-7 2-(2-(4-chlorophenyl)benzo[d]oxazol-5-yl)propanoic acid	95-98%	Product Information	Typically in stock Ships within 2 weeks
2 Alchem Pharmtech, Inc. Alchem Pharmtech Product List United States	51234-28-7 2-(4-chlorophenyl)methyl-5-benzoxazolecarboxylic acid	95-98%	1G	Maintained in stock
3 ASTATECH United States	51234-28-7 BENOXAPROFEN	95-98%	Order From Supplier 0.1G, USD 3500 0.25G, USD 6900	Synthesis on demand Ships within 8 weeks

Callouts:

- Select filters to focus results.
- Click thumbs up to set supplier as Preferred or thumbs down for Non-Preferred.
- Download results.
- Email results.
- Open product information page on supplier's website.
- Click to open the substance's information window, which displays options to view details, generate retrosynthesis plan, and edit/download structure file.
- Click to open Supplier Detail page.
- Open product ordering page on supplier's website.

Supplier Detail

Supplier Detail (4 of 36)

AstaTech Product List

Web: <https://www.AstaTechinc.com>

Email: sales@astatechinc.com

Phone: 215-785-3197

Substance Information

CAS Registry Number: 51234-28-7

CAS Name: Benoxaprofen

Item Details

Chemical Name: BENOXAPROFEN

Order Number: C90147

Purity: 95%

Quantity, Price: 0.1G, USD 3500
0.25G, USD 6900

Stock Status: Synthesis on demand

Ships Within: 8 weeks

Pricing Information: 30 Aug 2019

[Order From Supplier](#)

Additional Contact Information

AstaTech, Inc.
Keystone Business Park
2525 Pearl Buck Road
Bristol, PA, 19007
United States

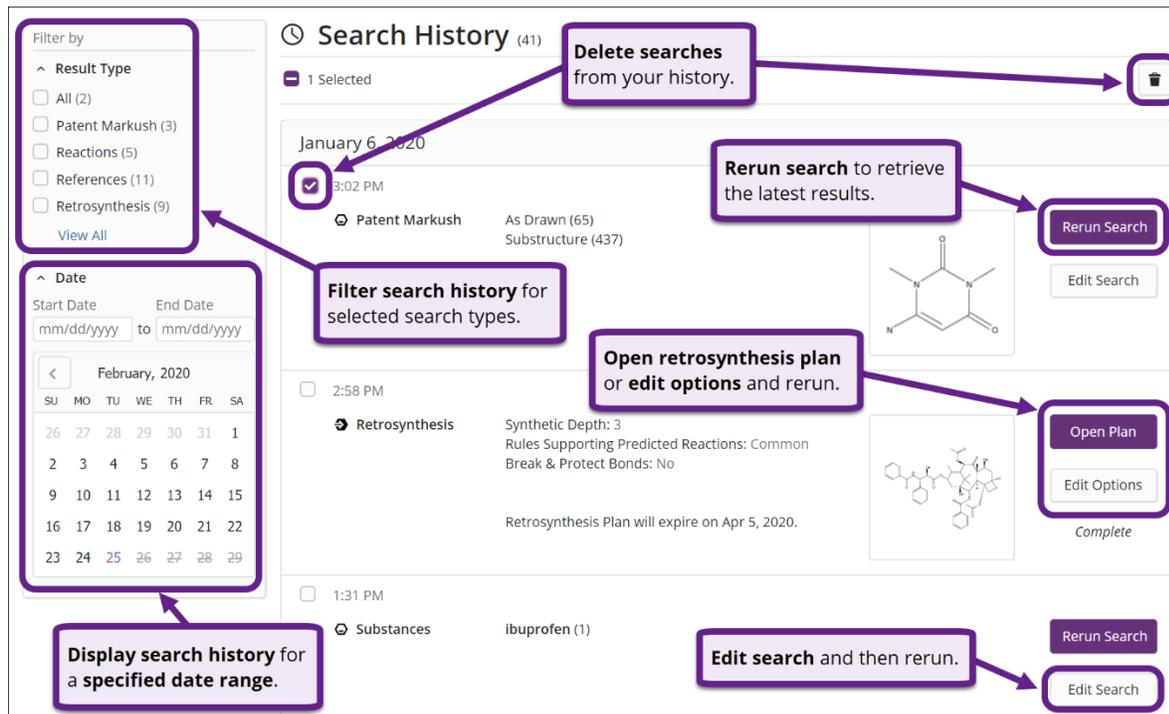
Fax: 215-785-2656

Chemical Structure: CC(O)C1=CC=C2C(=C1)OC(=O)N2C3=CC=C(C=C3)Cl

Callouts:

- Click thumbs up to set supplier as Preferred or thumbs down for Non-Preferred.
- Download detail.
- Email detail.
- Click to open Substance Detail page.
- Click the structure image to open the substance's information window, which displays options to view details, generate retrosynthesis plan, and edit/download structure file.
- Open product ordering page on supplier's website.

Search History



The screenshot shows the Search History page with several callouts:

- Delete searches from your history.** Points to a trash can icon in the top right.
- Filter search history for selected search types.** Points to the 'Filter by' section on the left, which includes 'Result Type' (All, Patent Markush, Reactions, References, Retrosynthesis) and 'Date' (calendar).
- Display search history for a specified date range.** Points to the date selection interface.
- Rerun search to retrieve the latest results.** Points to the 'Rerun Search' button for a specific search entry.
- Open retrosynthesis plan or edit options and rerun.** Points to the 'Open Plan' and 'Edit Options' buttons for a retrosynthesis entry.
- Edit search and then rerun.** Points to the 'Edit Search' button for a substance entry.

SciFinderⁿ Support

To access SciFinderⁿ in-application support, click the **Help** link at the bottom of any page or select **Help** from the **Account** menu.



The screenshot shows the footer and navigation bar with callouts:

- Help** link in the footer.
- Account** menu in the navigation bar.
- Help** link in the Account menu.

For additional assistance using SciFinderⁿ, please contact the **CAS Customer Center**:

- **Hours:** 8:00 a.m. to 6:00 p.m. EST Monday – Friday.
- **Phone:**
 - 1-800-753-4227 (North America)
 - +1-614-447-3700 (outside North America)
 - **Option 2:** General information or account-related questions
 - **Option 3:** Assistance with search strategies, database content, or using a product
 - **Option 4:** Technical assistance with software set up, installation, and configuration
- **Email:** help@cas.org
- **Web:** <https://www.cas.org/contact>

If desired, ask for a SciFinderⁿ Familiarization Training Session visit or online session.