

Chemistry reports

Thomson Pharma gives you access to comprehensive chemistry reports that contain premium information pulled from a wide range of sources. You can generate a chemistry report by using one of the many search options available on *Thomson Pharma*. You also can link to a chemistry report via the content delivered directly to your personalized home page or via a report focusing on a different area of content, such as a drug report or an intellectual property report.

The reports accumulate dynamically over time, as more chemistry information becomes available. The tabbed report makes it easier to find associated information.

Chemistry portlets

You can personalize your *Thomson Pharma* home page so that it is constantly updated with new chemistry content. This means you can be alerted whenever new or updated chemistry information becomes available within *Thomson Pharma*, helping you stay informed about the latest developments in your field.

Through the portlets on your personalized home page, you can:

- Receive updates about new drugs and compounds, filtered by specific therapeutic area and chemical structure, or limited by action, therapy area, company, chemical structure, substructure, or homology
- View the latest chemistry-related news headlines with links to the full stories
- Hear about the latest meetings and conferences in your field with links to specially-written reports
- Be alerted when your selected chemistry journals list is updated
- View new synthetic methods from leading organic chemistry journals

Find out more at:
thomsonpharma.com

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DRUGS

INTELLECTUAL
PROPERTY

LITERATURE
& NEWS

COMPANIES

TARGETS

► CHEMISTRY

SEQUENCES

THOMSON Pharma®



Thomson Pharma® is a dynamic information solution for the pharmaceutical and biotechnology industries. It features the best scientific, patent, and financial content offered by Thomson businesses. This premium content has been enhanced with powerful search tools and integrated into a single solution that professionals working at all stages of drug development can personalize to suit their needs.

Cutting-edge chemistry information

Through *Thomson Pharma*, you can access multiple types of content, including cutting-edge chemistry information. Whether you want to identify new chemical structures and compounds, examine new and emerging methodologies, or stay current with the latest chemistry research, using *Thomson Pharma* you can quickly and easily retrieve all the chemical data you need.

Thomson Pharma enables you to:

- Search more than **2 million unique chemical structures**
- View critical information on the latest new drugs and compounds and filter them by therapy area
- Study **critical ADMET data** (Absorption, Distribution, Metabolism, Excretion, and Toxicity)
- Read concise, time-saving descriptions of the latest **synthetic methods** reported in the world's leading organic chemistry journals
- Be alerted to new compounds within your research area by setting up an alert using a therapy area filter
- Review **structure-activity relationship (SAR)** summary information
- Link directly from chemistry data to relevant drug, patent, company, and literature information
- Explore comprehensive reaction data
- Export structures to SD file format, and reports to Microsoft® Word and Excel

Thomson Pharma has been designed to be continually developed; it's part of what makes the solution so unique. We will be adding new features and functionality all the time.

Chemistry Report

SUMMARY

CITATIONS

COMPOUND SUMMARY

COMPOUND SUMMARY

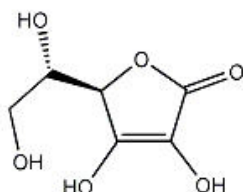
Name ascorbic-acid

Molecular formula $C_6H_8O_6$

Cas registry no 50-81-7

Other names [View all 648 names](#)

Structure



[View Mol File](#)

Multiple substances are associated with this structure

Structure descriptions Structure unknown. An analog of ascorbic acid (L-threo isomer s
Structure unknown. A derivative of ascorbic acid (L-threo-isomer
L-threo-isomer

Molecular weight 176.1232

Entry date January 01, 1993

Update date June 21, 2007

Thomson Pharma registry no TS00027053

View a compound summary table containing details of the assigned name, molecular formula, and CAS registry number.

Other names associated with this compound are collected from global patent and scientific literature and provided via a link to a pop up list.

Obtain additional information on molecular weight, date compound was added to database and date the report was last updated.

Link directly to parent/salts, isomers, tautomers, combinations and other related compounds.

Related Information

[Parent/Salts](#)

[Isomers](#)

[Tautomers](#)

Combinations

Other related compounds

CITED III

This compound is cited in the following reports

Drugs	Patents	Literature and News
Ascorbic Acid	6115	3598

Link to drug reports, intellectual property reports, and literature and news reports that refer to the compound.

SYNTHESIS

This compound is a component within the following synthetic methods and reaction schema

Synthesis details	Literature
Synthetic methods	19
Reaction schemes	40
Reactant	29
Product	2
Catalyst	9
Solvent	-

Read concise, time-saving descriptions of the latest synthetic methods, as reported in leading organic chemistry journals.

Access comprehensive reaction scheme information, including detailed experimental conditions, full reaction flows, product yields, and key step indicators.

SAR

All references linked to this compound, the following activities are cited

Activity	Literature
Trial-prep.	78
Vitamins-c	3079
Antioxidants	3555
Antiinflammatories	236

Review structure-activity relationship (SAR) summary information and link to literature and news reports.

ADMET

ADMET properties are described in the following documents linked to this compound

Full ADMET reports

[ASCORBIC ACID](#)

ADMET property	Literature
Metabolism	302
Toxicity	494

Study critical ADMET data (Absorption, Distribution, Metabolism, Excretion and Toxicity).

Link to literature and news reports and DrugDex® information for registered drugs.