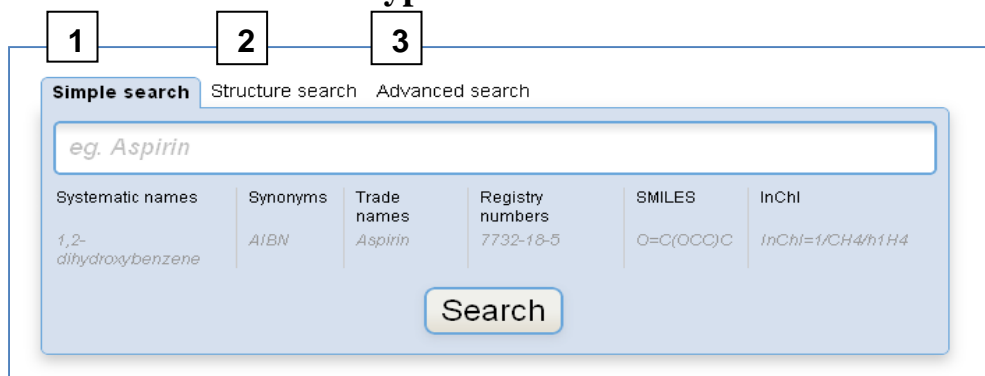


ChemSpider is a freely available chemistry database at <http://www.chemspider.com>. ChemSpider is owned by the Royal Society of Chemistry and includes chemical information for over 25 million compounds. It allows you to search multiple chemical databases and websites so you can quickly locate information from a variety of sources. It is a collaborative effort where scientists are encouraged to add content or make suggestions.

Chemical information within ChemSpider includes:

- Structures
- Wikipedia Article
- Patents
- Journal Articles (PubMed, Google Books, Google Scholar, RSC journals, etc. Will not give you full text of articles—will still need to find articles through library resources if not freely available.)
- Identifiers (CAS Registry Number, InChI, etc.)
- Properties (experimental and predicted)
- Images
- Spectra

Types of Searches



1 2 3

Simple search Structure search Advanced search

eg. Aspirin

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

Search

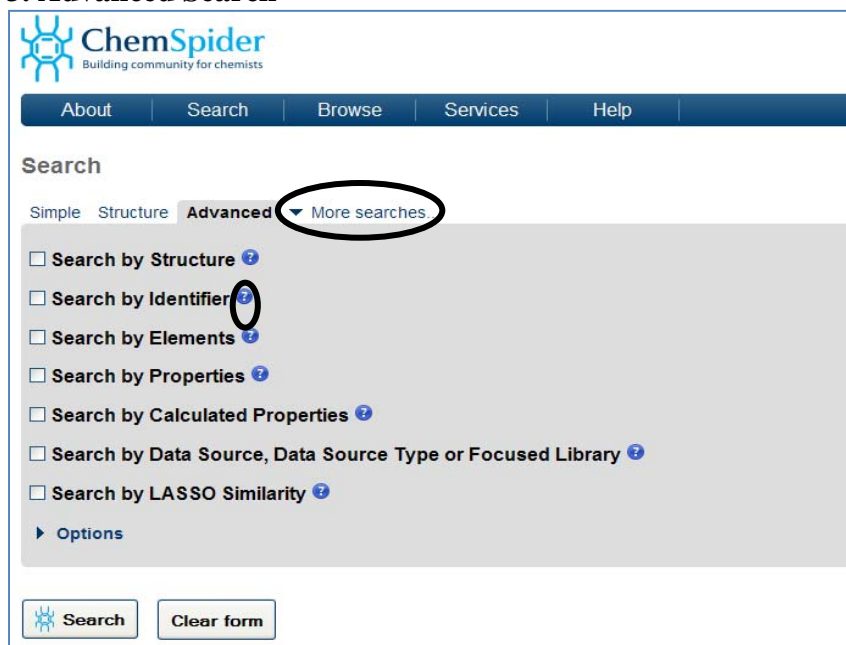
1. Simple Search

Basic keyword search. Useful when you know a chemical name, synonym, or other compound identifier such as CAS registry number.

2. Structure Searching

Allows you to draw your own structure, upload a saved structure drawing (chemical or image file), or convert a text string (such as a chemical name or identifier) into the structure.

3. Advanced Search



ChemSpider
Building community for chemists

About | Search | Browse | Services | Help

Search

Simple | Structure | **Advanced** | **More searches.**

☐ Search by Structure ?

☐ **Search by Identifier** ?

☐ Search by Elements ?

☐ Search by Properties ?

☐ Search by Calculated Properties ?

☐ Search by Data Source, Data Source Type or Focused Library ?

☐ Search by LASSO Similarity ?

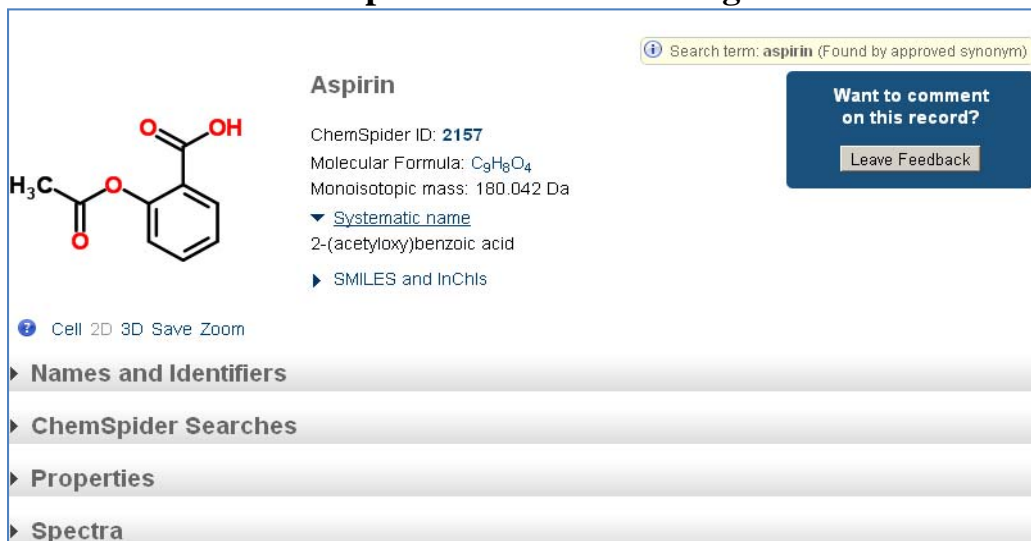
► Options

Search Clear form

Gives you the most options for searching. Allows you to search specifically within one of the many chemical information fields available in each ChemSpider entry (see example below), such as identifier, elements, properties, etc. Useful for when you don't know a chemical name or other identifier, or if you're looking to find a compound based on molecular weight, structure, elements contained, etc. Put a check mark next to box of search you're interested in, and complete list of searching options will open up. Can also check more than one box to combine multiple search parameters.

If looking for more search options, click "More searches". This will give you a list of even more fields to search within. If you need more information about the search type, click on the blue question mark which will take you to the ChemSpider manual or FAQs.

Compound Information Page



Search term: **aspirin** (Found by approved synonym)

Aspirin

ChemSpider ID: **2157**

Molecular Formula: C₉H₈O₄

Monoisotopic mass: 180.042 Da

▼ Systematic name
2-(acetyloxy)benzoic acid

► SMILES and InChIs

Cell 2D 3D Save Zoom

► **Names and Identifiers**

► **ChemSpider Searches**

► **Properties**

► **Spectra**

Want to comment on this record?
Leave Feedback

Basic information is shown at the top of the page. Click on any of the headings underneath this area to open up that specific section of information. Anything that is hyperlinked will take you to the original source of that information.

Under the **Articles** section, only citations to articles and books will be given. Some links to full text are provided, but you may not have access to articles unless it is freely available. Always check the WSU Library Catalog (libcat.wichita.edu) to see if the journal title is available through the libraries' electronic or physical collection. Anything not available through the WSU Libraries may be requested through Interlibrary Loan.

The **Curation** section will show you any additions or feedback made by collaborators. ChemSpider invites those in the chemist community to make contributions and participate in the curation of the data. Use the "Leave Feedback" link the top right corner to comment on any record.

Other Sites of Interest

ChemSpider SyntheticPages is a interactive database of synthetic chemistry. It contains procedures of synthetic chemistry useful in the laboratory. You can access it at <http://cssp.chemspider.com> (there is also a link from the ChemSpider main page). Like the ChemSpider database, Synthetic Pages is a collaborative effort of the chemistry community and welcomes submissions by graduate students, post-docs, researchers, and academics.

Mobile version of ChemSpider is also available at <http://cs.m.chemspider.com/>

More Help?

For further information on using ChemSpider or finding journals in the library, feel free to contact Lyndsay Smanz, Reference Librarian, at lyndsay.smanz@wichita.edu or 978-5210. In addition, visit the Help tab within ChemSpider for general help manuals and frequently asked questions.