



## Enabling a web browser to search ChemSpider

ChemSpider is a free chemistry search engine. It has been built to aggregate and index chemical structures and their associated information into a single searchable repository and to make it available to everybody, at no charge. In order to curate data, upload structures or add associated information, and to download search results and use our embedding tools, you need to be a registered user.

### Text-Based Searching

The ChemSpider search page offers two modes of searching, the default search shown below as well as an advanced search (allow searching by structure/substructure and molecular properties).

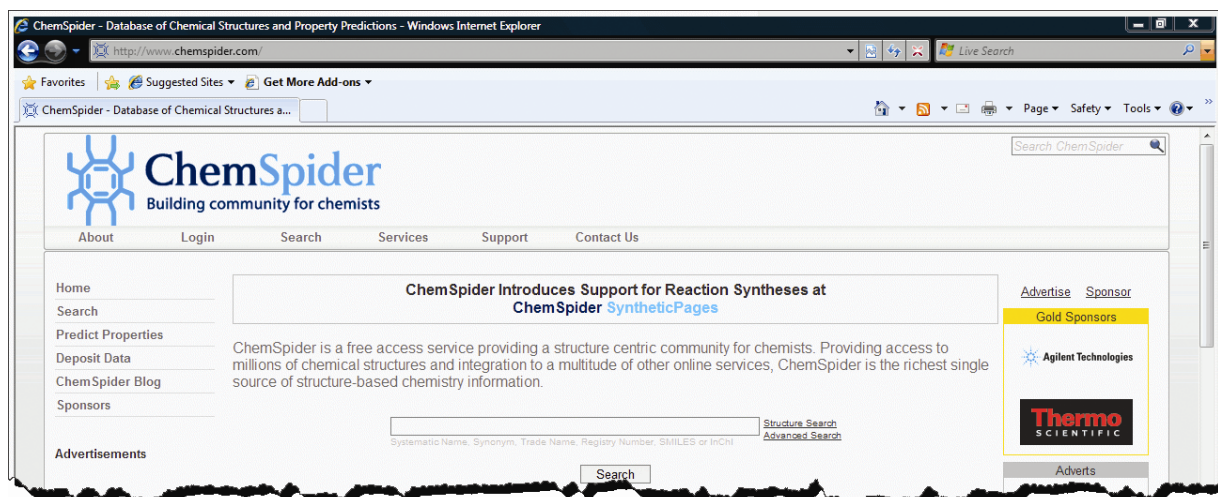
The simple search screen allows searching based on Systematic Name, Synonym, Trade Name, SMILES string or InChI string. The search works by first looking up the synonym. If nothing is found then it converts the query to an InChI string if possible (using ACD/Labs Name to Structure conversion software, this also converts SMILES to InChI). If nothing is found using the InChI string as the basis of the search ChemSpider looks to see if the search text occurs as part of a longer synonym.

This text-based search has been enabled from within a browser window by providing add-ins to incorporate into the browser window following the OpenSearch standard.

## Adding ChemSpider into the search bar in Internet Explorer Versions 7.0 and 8.0

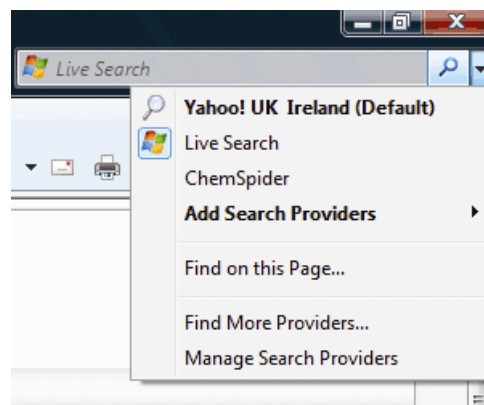
In order to add ChemSpider as one of the search engines into Internet Explorer follow these simple steps.

- Navigate to [www.chemspider.com](http://www.chemspider.com)

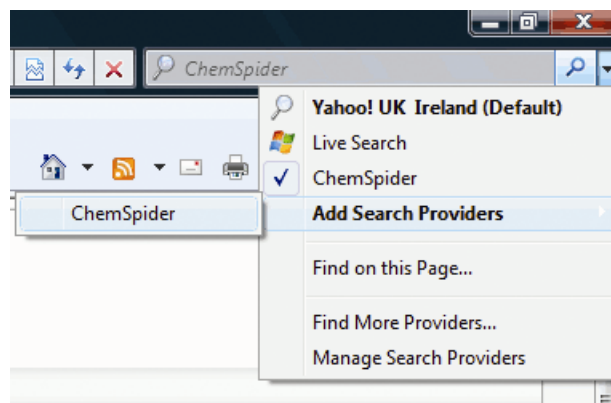


- At the top right hand side of the Internet Explorer window, next to the search box - click on the down arrow, this displays a list of installed search engines.

**Note:** Although you can see an entry for ChemSpider this is not yet installed. Clicking on ChemSpider, will enable you to perform a search of the site from the browser search bar, however once you leave the ChemSpider site this option will no longer appear in the search bar.

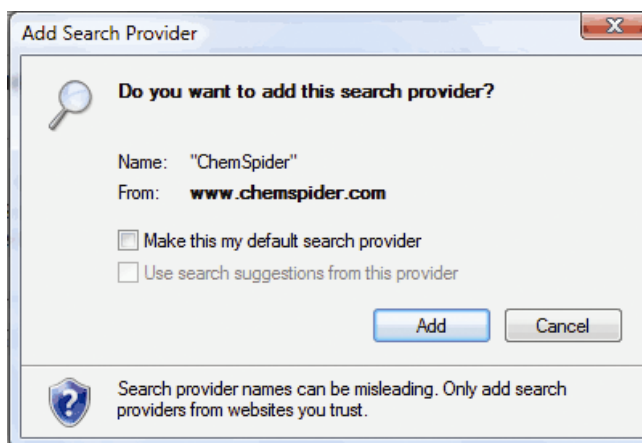


- Choose **Add Search Provider** and click on **ChemSpider**.

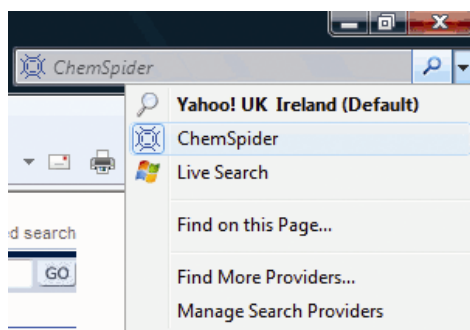


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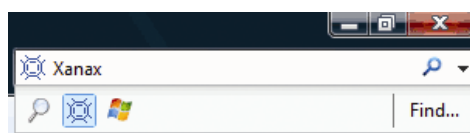
- When the Add Provider dialog box is shown then **Add** ChemSpider as a provider (and as the default search provider if you wish).



ChemSpider is now added as a search provider and can be chosen from the drop-down menu at the top right hand side and used for searching.



Simply by typing in the query string into the ChemSpider search box the ChemSpider search is executed and the results are displayed. For example, typing **xanax** into the search box provides the result displayed.



1 hit(s) found in 0.14 seconds  
Search term: Xanax  
Found by synonym

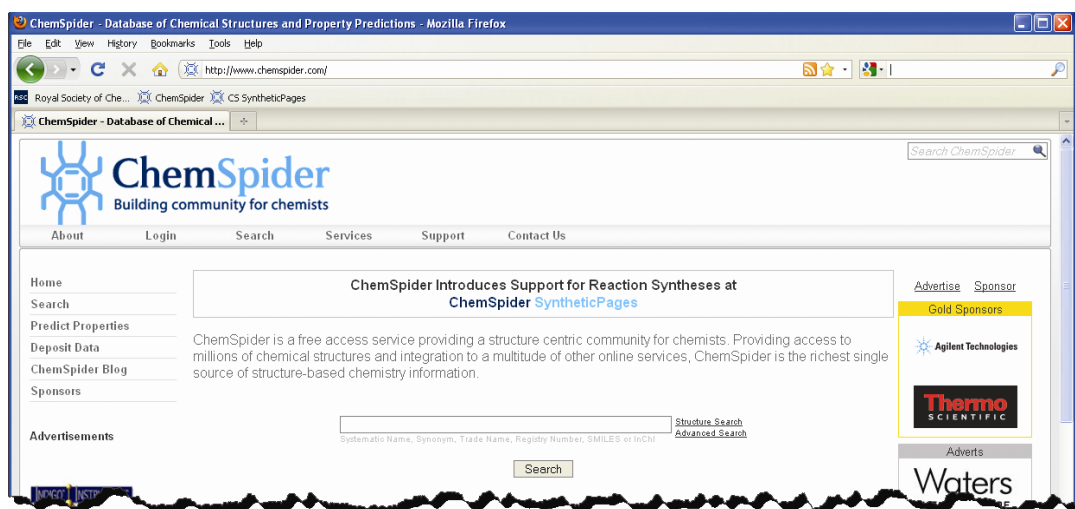
Please [login](#) to be able to add spectra, identifiers, links and publications.

| Add:   | Description  | Identifier   | CIF | Spectrum | Image | Comments |
|--|--|--|-----|----------|-------|----------|
| <b>INHERENT PROPERTIES, IDENTIFIERS AND REFERENCES</b> |  |  |     |          |       |          |
| ChemSpider ID:   | 2034   | Quick Links: <a href="#">Permalink</a> <a href="#">Similar</a> <a href="#">Isomers</a> <a href="#">Wikibox</a> |     |          |       |          |
| Empirical Formula:                                     | C <sub>17</sub> H <sub>13</sub> ClN <sub>4</sub>   |  |     |          |       |          |
| Molecular Weight:                                      | 308.7649   |  |     |          |       |          |
| Nominal Mass:  | 308 Da   |  |     |          |       |          |
| Average Mass:  | 308.7649 Da  |  |     |          |       |          |
| Monoisotopic Mass:                                     | 308.082874 Da  |  |     |          |       |          |
| Systematic Name:                                       | 8-chloro-1-methyl-6-phenyl-4H-[1,2,4]triazolo[4,3-a][1,4]benzodiazepine  |  |     |          |       |          |
| SMILES:  | <chem>C1c3cc2C(=N/Cc1nnc(n1c2cc3C)c4ccccc4</chem> <a href="#">Copy</a>   |  |     |          |       |          |
| InChI:   | <chem>1/C17H13ClN4/c1-11-20-21-16-10-19-17(12-5-3-2-4-6-12)14-9-13(18)7-8-15(14)22(11)16/h2-9H,10H2,1H3</chem> <a href="#">Copy</a>  |  |     |          |       |          |
| InChIKey:  | VREFGVBLTWBCJP-UHFFFAOYAT  |  |     |          |       |          |
| Std. InChI:  | <chem>1S/C17H13ClN4/c1-11-20-21-16-10-19-17(12-5-3-2-4-6-12)14-9-13(18)7-8-15(14)22(11)16/h2-9H,10H2,1H3</chem> <a href="#">Copy</a> |  |     |          |       |          |
| Std. InChIKey:   | VREFGVBLTWBCJP-UHFFFAOYSA-N  |  |     |          |       |          |

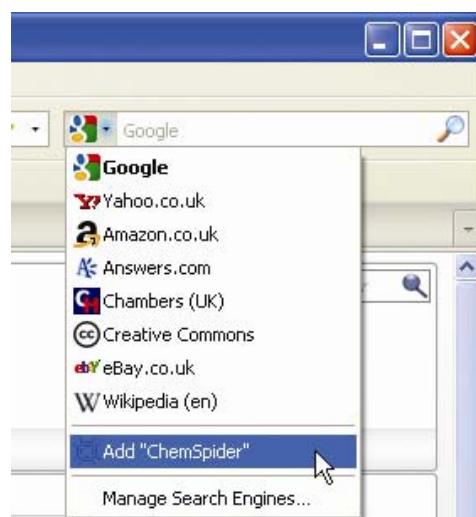
## Adding ChemSpider into the search bar in Firefox

In order to add [ChemSpider](http://www.chemspider.com) as one of the search engines into Firefox follow these simple steps.

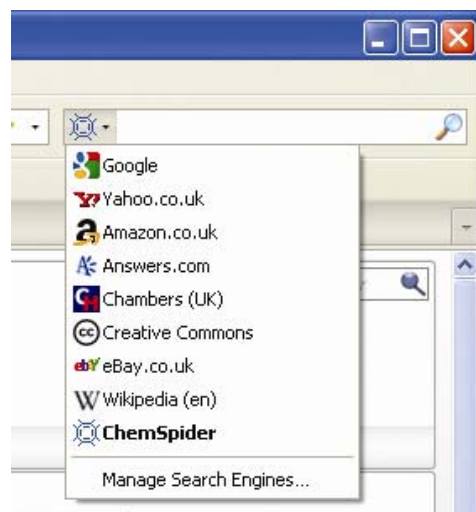
- Navigate to [www.chemspider.com](http://www.chemspider.com)



- At the top right hand side of the Firefox window next to the search box click on the down arrow and choose "Add "ChemSpider"".



- Once "Add ChemSpider" is selected the ChemSpider search engine is available for use.



Simply by typing in the query string into the ChemSpider search box the ChemSpider search is executed and the results are displayed. For example, typing **aspirin** into the search box provides the result displayed.

1 hit(s) found in 0.02 seconds  
Search term: aspirin  
Found by approved synonym

Please [login](#) to be able to add spectra, identifiers, links and publications.

| Add: | Description | Identifier | CIF | Spectrum | Image | Comments |
|------|-------------|------------|-----|----------|-------|----------|
|------|-------------|------------|-----|----------|-------|----------|

**INHERENT PROPERTIES, IDENTIFIERS AND REFERENCES**

2D 3D Cell

**ChemSpider ID:** 2157 **Quick Links:** [Permalink](#) [Similar](#) [Isomers](#) [Wikibox](#)

**Empirical Formula:** C<sub>9</sub>H<sub>8</sub>O<sub>4</sub>

**Molecular Weight:** 180.1574

**Nominal Mass:** 180 Da

**Average Mass:** 180.1574 Da

**Monoisotopic Mass:** 180.042259 Da

load save zoom

**Systematic Name:** 2-(acetyloxy)benzoic acid

**SMILES:** O=C(Oc1ccccc1C(=O)O)C [Copy](#)

**InChI:** [InChI=1/C9H8O4/c1-6\(10\)13-8-5-3-2-4-7\(8\)9\(11\)12/h2-5H,1H3,\(H,11,12\)](#) [Copy](#)

**InChIKey:** [BSYNRYMUTXBXSQ-UHFFFAOYAW](#)

**Std. InChI:** [InChI=1S/C9H8O4/c1-6\(10\)13-8-5-3-2-4-7\(8\)9\(11\)12/h2-5H,1H3,\(H,11,12\)](#) [Copy](#)

**Std. InChIKey:** [BSYNRYMUTXBXSQ-UHFFFAOYSA-N](#)

## ChemSpider extension for Safari

If you use Safari on a PC or Mac you may find the Safari ChemSpider extension provided by the Macs In Chemistry website of interest. For more details see:

[http://homepage.mac.com/swain/Macinchem/Extensions/chemspider\\_extension.html](http://homepage.mac.com/swain/Macinchem/Extensions/chemspider_extension.html)

**Please note:** This extension is not designed or maintained by the ChemSpider team and as such if you have any problems or queries we are unable to provide assistance.