Reaxys database

Reaxys is good for finding property data, but is not suitable for comprehensive literature searching as it only includes data from approx. 400 journal titles currently. In 2013 the 'Literature' search option was extended to cover 16000 titles, but the extra titles are only searchable in the Literature search and not included in the 'Substances' and ‘Reactions’ searches. The fully searchable data sources it includes are:

*Beilstein* - an online database of **organic compounds** containing information taken from the literature from 1771 to date (with 175 key journals being scanned up to 2010):
- over 9 million organic compounds together with their associated chemical and physical properties, preparative methods, chemical behaviour and literature references.
- a searchable database of some 10 million reactions.

*Gmelin* - an online database containing information taken from the literature from 1772 to date (with 62 key journals being scanned up to 2010) giving structural information, properties, preparations, reactions and related literature references for approx. 2.5 million **inorganic and organometallic compounds** including coordination compounds, glasses and ceramics, alloys and minerals.

*Patents chemistry database* - includes details of organic chemistry and life science patents from US (since 1976), World, and European (since 1978) patent publications.

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**Accessing Reaxys**

On-campus, you should be able to access Reaxys without a username / password, as an anonymous user. However, see below for the advantages of registering and logging on personally on the database.

**Web address:** [www.reaxys.com](http://www.reaxys.com)

**Off-campus access**

- Use the Remote Desktop or Off-site Proxy if you wish to use Reaxys off-site (see [www.bris.ac.uk/library/resources/eresources/access/](http://www.bris.ac.uk/library/resources/eresources/access/)). If you are not using one of these you will see a different page to the one shown over, with a 'Login Reaxys' link. To login this way: **Login Reaxys > Institution Login > UK Access … > choose U. of Bristol to get the Single Sign On page**

**Register and Login**

If you register your details on Reaxys you can login and customise the interface, create Alerts for or Save useful searches, etc. This will also give you a longer timeout (6 hours compared to 30 mins).

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**System requirements, Plugins and Help**

See [www.reaxys.com/documentation/about_query.shtml](http://www.reaxys.com/documentation/about_query.shtml) for system requirements

**Plugins**

Plugins are available to use alternative structure editors or to allow searching of Reaxys from within ChemDraw (unfortunately a bug has prevented this being used on School of Chemistry managed PCs). These plugins can be downloaded from: [www.elsevier.com/online-tools/reaxys/training-and-support?q=support_downloads#tech-specs--downloads](http://www.elsevier.com/online-tools/reaxys/training-and-support?q=support_downloads#tech-specs--downloads)

**Help and support**

Help is available in the top navigation of Reaxys, including FAQs and videos. Further Support and Product options are found in the footer, including Contact Us and About Reaxys respectively.
Searching for chemical substances on Reaxys

1. To search by Molecular Formula, Chemical Structure / Substructure, Chemical Name, or other chemical compound identifier, select ‘Substances, Names, Formulas’ on the Reaxys homepage.
2. The Structure / Substructure, Chemical Name, and compound identifier search options should display.
3. To search by Molecular Formula, select the ‘Molecular Formula’ Add to Query option and either use the Formula Builder that displays, or dismiss this and use the search box.
4. Use the Search Substances button to start the search.
5. The resulting compounds matching your search should display, together with links to details of preparations and reactions. In the Available Data column you will see links to data about the compound (with the literature reference this was found in) and in the N° of ref. column you will see how many literature references are included in Reaxys about the compound.

As well as the ‘Structures’ option shown above, there are options for ‘Reactions’, ‘Literature’, etc.

Help and contacts

Reaxys includes a range of help and support materials, but please contact the Subject Librarian for Chemistry www.bris.ac.uk/library/support/subjects/chemistry/ if you have any questions about using Reaxys.