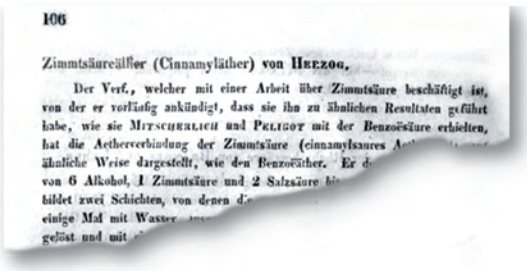
InfoChem

CHEMISCHES ZENTRALBLATT
Structure Database

Offering direct access to the information contained in the most important abstracts journal for the time period 1830 – 1969, InfoChem's Chemisches Zentralblatt Structure Database is a powerful and indispensable retrieval instrument for chemists, researchers and IP professionals. With the Chemisches Zentralblatt structure-searchable database non German-speaking scientists have the great opportunity to perform queries in this invaluable source, using the language of chemistry!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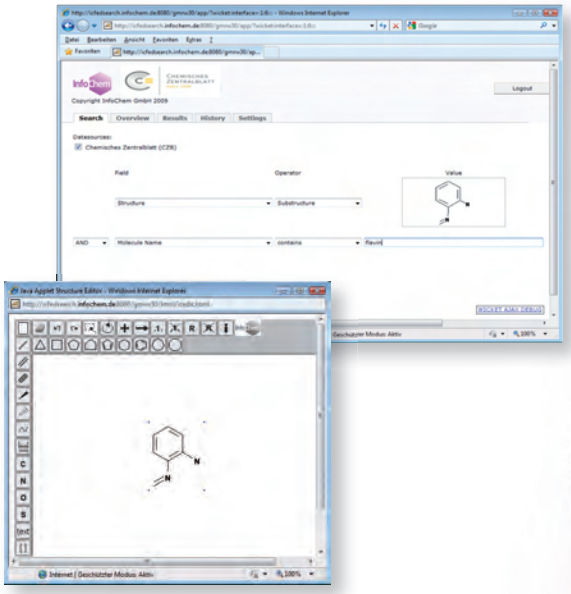
Zimmtsäureäther (Cinnamyläther) von Herzog.

Der Verf., welcher mit einer Arbeit über Zimmtsäure beschäftigt ist, von der er vorläufig ankündigt, dass sie ihn zu ähnlichen Resultaten geführt habe, wie sie Mitscherlich und Peligot mit der Benzoësäure erhielten, hat die Aetherverbindung der Zimmtsäure (cinnamylsaures Aet
ähnliche Weise dargestellt, wie den Benzoëäther. Er d
von 6 Alkohol, 1 Zimmtsäure und 2 Salzsäure hi
bildet zwei Schichten, von denen d
einige Mal mit Wasser
gelöst und mit

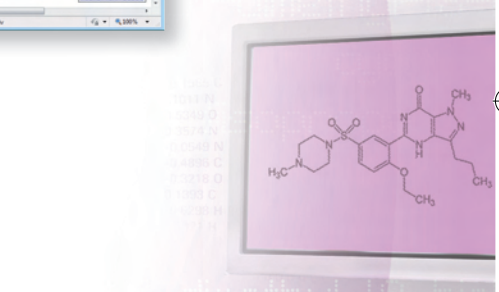
What is Chemisches Zentralblatt?

Chemisches Zentralblatt is the first and oldest abstracts journal published in the field of chemistry. It covers the chemical literature from 1830 to 1969 describing the "birth" of chemistry as a science, compared to Alchemy and has therefore a very high historical importance in the field of organic chemistry literature.

In 140 years Chemisches Zentralblatt published more than 900,000 pages: 700,000 contain ca. 2 million abstracts, 200,000 are indexes.



For decades, scientific editors specialized in all relevant areas of chemistry have prepared detailed and high quality abstracts of international professional publications describing the research progress in pharmaceutical science and chemistry. Compared to most resources on the market which in the best case date back to the beginning of the 20th century, Chemisches Zentralblatt Structure Database is the only source providing indispensable and invaluable information from the early nineteenth century.



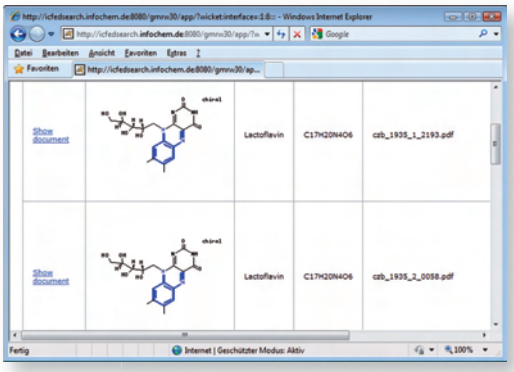
www.infochem.de

Why a Structure Database?

The historical information contained in Chemisches Zentralblatt is an essential resource for scientific and prior art research. InfoChem has applied advanced, in-house developed mining techniques to automatically extract the chemical names contained in the documents and convert them into computer-readable structures. Non German-speaking scientists are now able to carry out in-depth research in old German literature performing chemical structure searches.

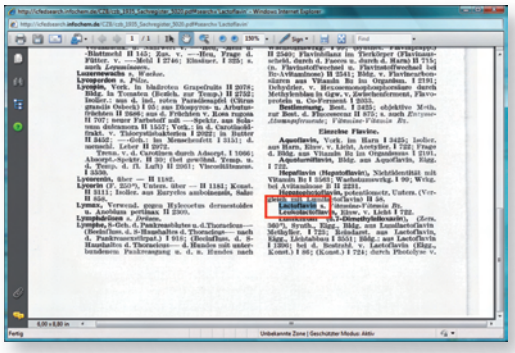
Advantages

- Combined structure / substructure and full-text searches
- Detailed results presentation with highlighted substructures
- Link to pdf file of the original document
- Chemical name highlighted in pdf document
- Ability to scroll between pages and / or jump to particular page number



Database Production

Using modern scanning technology FIZ CHEMIE has digitized the entire content of Chemisches Zentralblatt which resulted in two terabytes of data. Applying specialized software tools for chemical named entity extraction and name to structure conversion (IC*ANNOTATOR*) together with leading edge chemoinformatics technologies InfoChem produced a structure-searchable database. In order to achieve optimal results, profound knowledge of early German chemical naming conventions is essential. InfoChem as a German company contributed its exceptional skills and long-standing experience in this area to solve this complex task.



What we Offer

The Chemisches Zentralblatt Structure Database is offered as:

- a web application
- an in-house system

In the first case the database is hosted on an InfoChem server and users access the information on a license basis. As in-house solution companies receive the database together with the original pdf files to be integrated in existing systems. Of course, customized solutions offering InfoChem's powerful retrieval systems such as the fast search engine IC*FSE* or the IC*CARTRIDGE* / IC*CHEMDESK* package can also be purchased.

System Requirements (Web Application)

Supported browsers:

- Internet Explorer 5.5 or higher
- Firefox (Windows, Mac OS X, Linux)
- Opera
- Safari (Mac OS X)

Software:

- Java 5 (JavaScript enabled)

Produced in cooperation with

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