





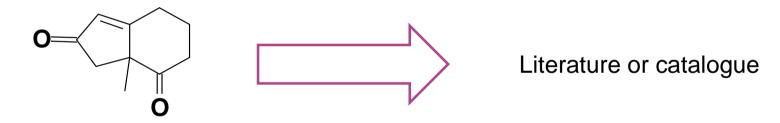




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ICSYNTH: retrosynthesis planning tool concept

- Developed to facilitate chemists design synthetic pathways
 - How can I synthesize this target compound and what is the best strategy?
 - Are there any alternative approaches or reactions?



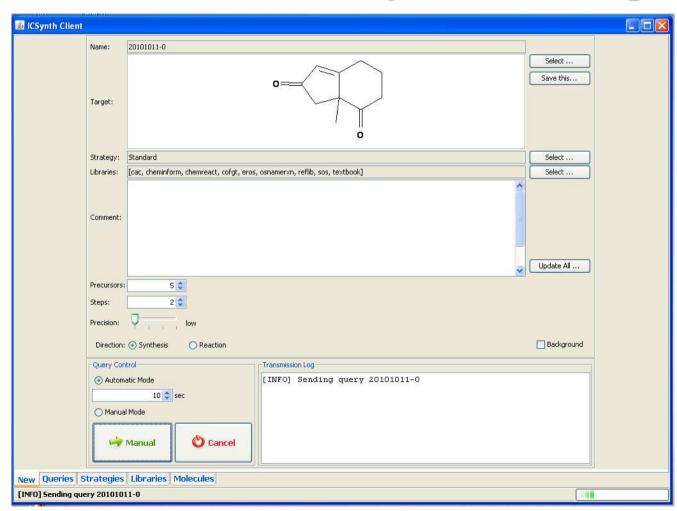
- ICSYNTH offers many advantages
- Based on published reactions from large data sources e.g. SPRESI, ChemInform
- Uses literature reaction databases to automatically generate transform libraries i.e. the knowledge base at the heart of ICSYNTH
- Can link to literature to verify the suggested reactions
- Check availability of precursors in commercial catalogues





ICSYNTH: intuitive, interactive synthesis design

Step 1: input target molecule

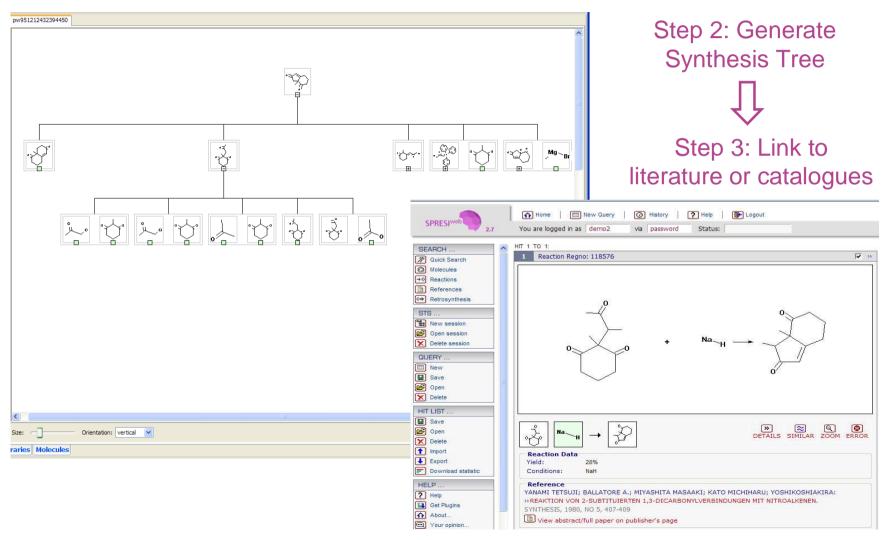








ICSYNTH: intuitive, interactive synthesis design







Chemisches Zentralblatt: new approach to historic source

- First and oldest abstracts journal in chemistry
- High quality abstracts covering literature from 1830 to 1969
 - Only abstracts journal before CA started in 1907
 - Complements Beilstein and Gmelin
- 900K pages, 1M unique names, 500K unique structures
- Relevant for prior art and freedom to operate, growing demand
- FIZ Chemie Berlin digitized CZB offering full text database
 - Abstracts in German with many old German chemical names
- InfoChem name to structure technology used to create a new CZB structure database
- Structures linked directly to text source resulting in a completely new way of searching CZB





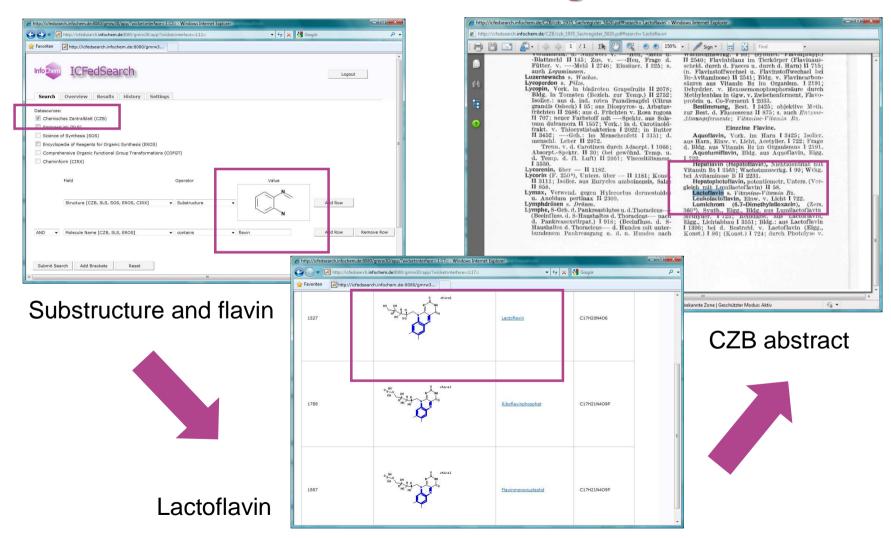
First release on 1st November 2010







CZB structure searchable using ICFedSearch









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