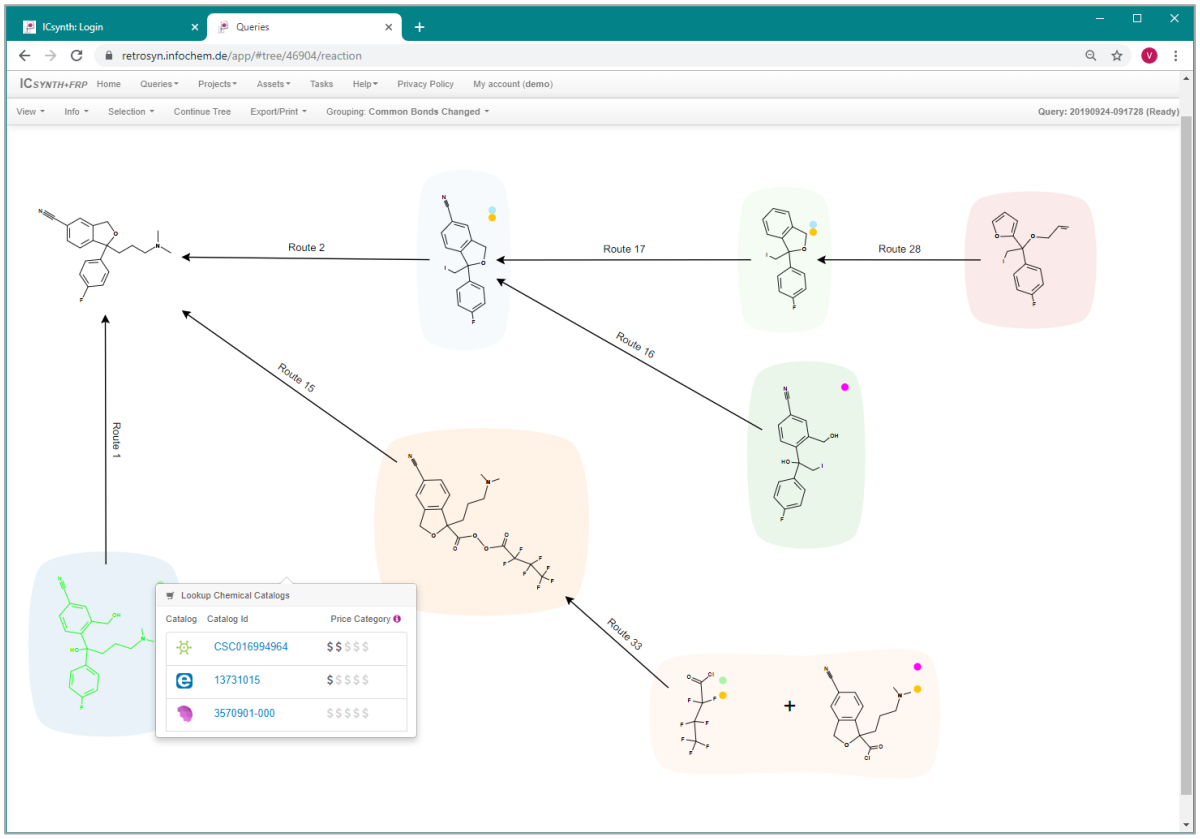
Release Version 3.2



InfoChem GmbH, a Deepmatter Group company, has announced major improvements to its computer-aided synthesis design tool IC*SYNTH*, which will increase the user experience in identifying reliable chemistry to help synthesize molecules **faster and more cost-effectively**

Following extensive customer feedback, the new release includes:

- **An improved algorithm**
- **New literature content, including up-to-date chemical research results provided by award-winning scientific publisher Thieme**
- **Access to catalogues of starting material availability including millions of compounds from a global network of suppliers**

- **More reliable literature helps create better synthesis routes as there are less false positives**
  In order to establish reliable chemistry, we have created a new set of ranking parameters that increases the functional group selectivity and prioritizes well-described procedures

- **Better algorithms with better and more up-to-date content**
  With SynFacts we have enriched the knowledge of our algorithm with rules obtained from the most recent literature citations (with 2017 and 2018 being uploaded by the end of the year). And, for SPRESIcore, we have derived a new subset (ca 3 mio reactions) from the SPRESI collection applying the new version of our mapping tool and generating optimized rules from them

- **Quicker and cheaper – once you have found a molecule you can be confident that you can order the starting materials**
  eMolecules and ChemSpace catalogs have been added to the previous InfoChem collection, enabling users to have a direct link to the preferred chemical suppliers. Indications about the cost of substance per gram have also been implemented as additional information for the user

IC*SYNTH* works with an underlying rule-based algorithm and uses machine learning capabilities to include new reaction information automatically without painstaking hand-coding.

These new updates will significantly improve the speed, quality and efficiency of chemists in their day-to-day synthesis route-design work.

Version 3.2 is available from 30th September 2019

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