



CMC-assist

● Assisted NMR Data Interpretation and Workflow Streamlining

Designed for NMR end-users, CMC-assist is a comprehensive software tool for interactive, assisted data analysis. It processes all 1D and 2D NMR datasets, automatically analyses the different types of NMR experiments and conducts consistency and concentration assessments. It also generates professional reports for transfer to publications, patents and lab journals.

CMC-assist features integrated, intelligent, automated NMR data analysis that processes routine analyses seamlessly and automatically at Bruker spectrometers.

Benefits

- Allows automatic or manual processing of all 1D and 2D NMR datasets
- Automatic NMR data analysis of different NMR experiment types
- Full flexibility for manual editing of any spectral interpretation
- Comprehensive reporting
- Seamless integration with Bruker spectrometers for on-the-fly data analysis and automatic decision-making for further experiments

Data processing

CMC-assist enables all 1D and 2D NMR processing steps such as Fourier transformation, phase correction or baseline correction. These steps may be performed automatically or may be refined manually.

Manual analysis refinement

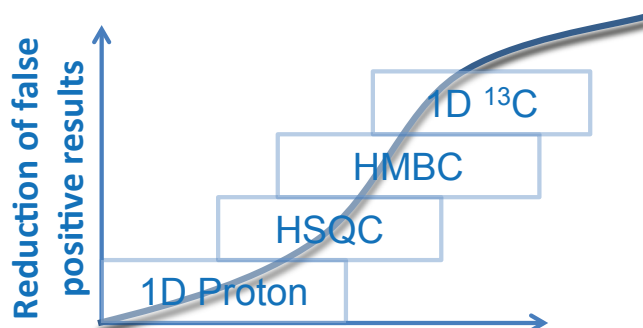
The intuitive graphical user interface allows quick manual refinement of automatically generated analysis results as well as facilitating convenient full manual interpretation and assignment via drag-and-drop.

Reporting

A variety of reports with different focus can be generated by the click of a button. These include:

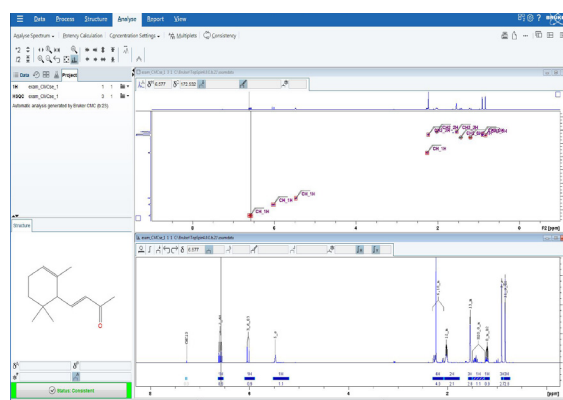
- Detailed report with consistency information, concentration, assignment table, overview spectrum and detailed assignments expansions
- Overview report which highlights the overall result on the structure consistency, the sample purity and the concentration
- Text fragments for patent applications and publications, which may be copied to word processing applications

NMR Structure Verification



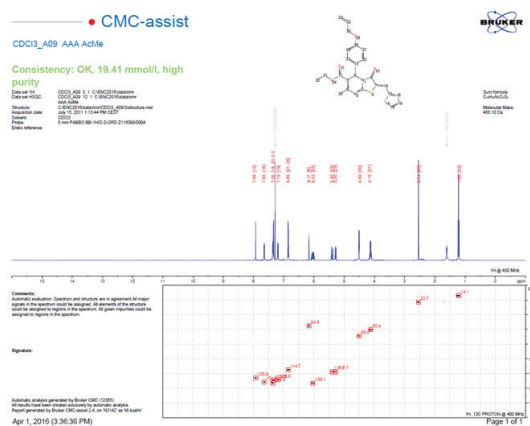
NMR Data used for the analysis

CMC-assist interface



Interactive visualization of assignments on structure and spectra

Overview report



Report first page: dataset description, signature, consistency, concentration and assignments on both structure and spectra