

Easy to use  
desktop  
chemistry editor

Maximize the  
power of Accord  
chemistry

## Accord Draw

Draw molecules and reactions effortlessly using Accord Draw – a desktop chemistry editor that enables you to take advantage of Accord depiction styles and features to draw chemistry for querying, registration and other applications by harnessing the power of the Accord Chemistry Engine.

Accord Draw is a desktop chemistry editor for drawing chemical structures and reactions for use with a wide variety of applications. Built in collaboration with enso Software GmbH, Accord Draw utilizes the power of the Accord Chemistry SDK to provide you with access to chemistry capabilities that enable you to leverage the best that the Accord Chemistry Engine has to offer.

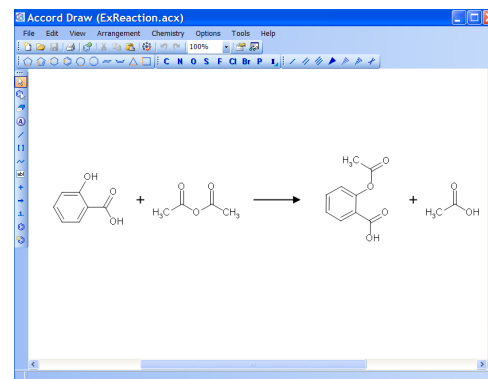
### Easy to Use

Built in .NET, Accord Draw's familiar look and feel will help any chemist who has used other chemistry editors to get up to speed in no time. Accord Draw offers convenient, customizable toolbars and shortcuts to drawing tools, atom and bond types, query features and associated properties so that you can easily draw a wide range of chemical objects from the simplest molecules to complex reaction schemes.

Unique to Accord Draw are customizable chemistry templates that come pre-loaded with commonly used chemical structures and features such as aromatic and non-aromatic rings, amino acids, and functional groups. The templates contain a collection of common structural building blocks that you can select from to incorporate directly into your drawing, saving you both time and effort. Templates can be customized with your favorite chemistry and can even be shared with other members of your team or research group working in the same chemistry space!

### Comprehensive Drawing Capabilities

Accord Draw provides you with common selection, sketching, alignment, and other tools to make it easy for you to draw structures and reactions. In addition, a wide range of chemical features and properties are available in Accord Draw to provide you with maximum flexibility in rendering chemical structures. Accord Draw supports a variety of atom and bond types and



*Drawing a reaction scheme in Accord Draw. Commonly used structures can be selected from templates and inserted into drawings, saving you the trouble of having to draw them explicitly every time.*

gives you the ability to set a number of different bond and atom properties. Editable atom properties include type, color, charge, isotope, radical type, valence, query properties, unsaturated, substitutions count and ring bond count. Bond properties, such as topology, color and query features can also be edited.

Additional sketching tools include a chain tool to enable you to automatically draw carbon chains and a clean tool for generating 2D coordinates for selected objects to improve their layout and appearance. For reaction sketching, tools for creating, checking and clearing atom – atom mappings are provided to enable you to draw complete reaction schemes with minimum difficulty.

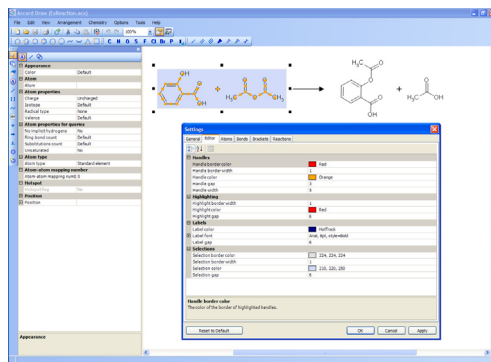
### Maximize your Investment in Accord Technology

Accord Draw is the first drawing editor available to display chemical features that subscribe to the Accord Chemistry Engine's depiction rules. Accord Draw displays features such as charges on atoms, isotopes, element lists and many others in accordance with these rules, offering you for the first time the ability to display chemistry consistently across Accord-based applications and systems.

Comprehensive drawing capabilities

Runs on Microsoft Windows XP and Windows Vista

A growing number of the Accord product range support Accord Draw including Accord for Excel (both Desktop and Enterprise Editions) and the Accord Enterprise Workbench. Accord components used for building chemistry-enabled client application including the Accord Chemistry Control, Accord Grid Control and Accord Chemistry Java Object, also support Accord Draw. For users of web-based applications built using the Accord Enterprise Webkit, an Accord Draw-enabled version of the Accord Web Viewer applet is provided as part of the Accord Draw release.



*Editing properties in Accord Draw. Comprehensive control of atom, bond, object and editor properties is provided in Accord Draw to enable you to draw a wide variety of chemical entities and representations in a style that best suits your needs.*

## Key Features

- Support for drawing molecules and reactions
- Tools for reaction mapping, checking and cleaning
- Chemistry displayed using Accord depiction styles
- Configurable templates enable you to store and reuse your favorite chemistry
- Support for a wide variety of bond types including single, double, triple, stereo up/ down/ either and query
- Query atoms supported include L, Q, A, X, M, wild card (any atoms) and R Groups
- Support for element lists
- Bracket support enables the designation of a variety of structural features, including single repeat units, monomers, polymers and mixtures
- Support for the notation of lone pair atoms
- Configurable atom properties include color, charge, isotope, radical type, valence, query properties, unsaturated, substitutions count, ring bond count and type, explicit & implicit hydrogens
- Control over a wide range of bond properties including bond type, topology, color and query features
- Ability to customize default color, font styles, distances and length for atoms, bond, reactions, brackets and atom-atom mapping
- Read/ write support for a wide range of chemistry formats, including Accord, Accord Hex and Accord XML, ChemDraw, ISIS/Sketch, MDL Molfile & Rxnfile (V2000 & V3000), SMILES, SMARTS and SMD
- Write support for multiple image formats including BMP, Enhanced Metafile, GIF, JPEG, PNG and Windows Metafile.

## Platform Requirements

Accord Draw runs on Microsoft Windows XP and Windows Vista.