

Chemistry-enable  
your Java applications

Load chemistry  
from files, URLs, the  
clipboard or from  
another application  
via drag and drop

Rich set of depiction  
options to control the  
display of chemistry

Runs on Windows  
2000/ XP, Red Hat  
AS/ ES 3 & 4 and Sun  
Solaris 9 & 10

## Accord Chemistry Java Object

Provide chemical and reaction depiction to Java-based applications simply and effortlessly with the Accord Chemistry Java Object.

The Accord Chemistry Java Object is a development tool enabling programmers to quickly create Java-based applications to display molecular and reaction data. Developers can quickly and easily build chemistry-enabled Swing applications, create applets and access the Accord Chemistry Engine – renowned for its flexibility & high quality depiction of chemistry. The Java Object gives developers the power to rapidly write chemically intelligent web pages, database GUIs, property calculation software – all within one of the world's most popular programming language – Java.

### Flexible Options to Load and Display Chemistry

A variety of options are provided by the Accord Chemistry Java Object to load chemistry for display. Load data programmatically, from user-selected files, a URL or the clipboard or from another application via drag and drop. Data may also be loaded from a chemistry editor when the user double-clicks or directly from the Accord SDK. Such flexibility ensures that the Accord Chemistry Java Object can be used to solve chemistry depiction problems for a wide variety of applications from Java Swing clients to web portals and beyond.

### Support for Copy, Paste and Double-Click Editing

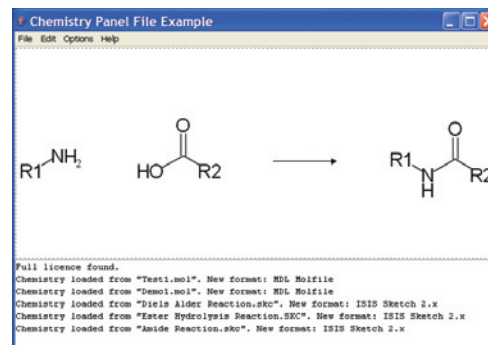
The Accord Chemical Java Object supports a variety of formats for copy, paste and edit operations including SMILES, MDL, ChemDraw and CASDraw formats, enabling users to transfer chemical information via the clipboard and directly to industry standard chemical editors such as ISIS/Draw, ChemDraw or CASDraw.

### Wide Range of Depiction Options

Through the Accord SDK, the Accord Chemistry Java Object provides a rich set of depiction options to meet the requirements of the most rigorous chemist. Options include control over the standard bond length used to draw chemistry, properties such as valency, CIP or reaction sites and support for a variety of query features. Additional options to control the display of implicit hydrogens & terminal carbons are also provided, along with control over the size of chemistry displayed.

### Fully Documented Java Classes, Tutorial and Examples

Harness the power of the Accord Chemistry Java Object through a fully documented API that provides detailed on-line information on how to use the component to display and interact with chemistry. Full descriptions of the Accord Chemistry Java Object package and Java Classes are augmented with an on-line tutorial and example applications to enable you to begin to develop chemistry aware applications with the minimum of effort.

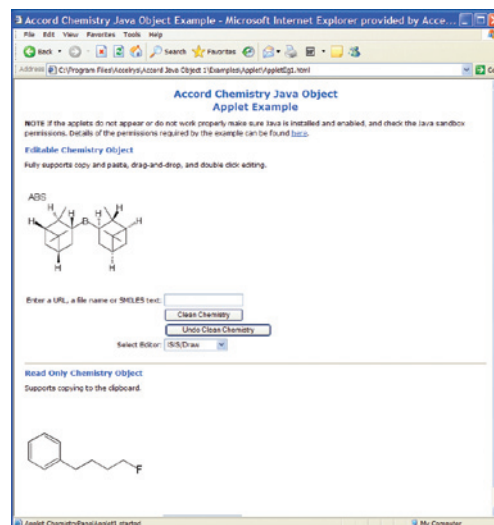


Loading a reaction into the Chemistry Panel example application supplied with the Accord Chemistry Java Object.

## Key Features

- Ability to load and display chemical structures and reactions
- Read and write chemistry data in all formats supported by the Accord SDK including SMILES, MDL, CASDraw and ChemDraw
- Double-click access to external editors such as ISIS Sketch, ChemDraw, CASDraw, ViewerPro and the Accord Viewer
- Flexible and configurable display of chemistry through depiction properties that allow control over the display of many chemical features
- Load chemistry from files and URLs
- Interacts with other applications via the clipboard or through drag and drop
- Integrates with the Accord SDK
- Supplied with example applications

The Accord Chemistry Java Object brings well-proven and trusted Accord chemistry depiction to applications built and written in Java, enabling you to build effective chemistry-enabled solutions and applications in this popular programming language rapidly and efficiently.



Using the Accord Chemistry Java Object as an applet to display chemistry in an example web page.