

Server-side  
chemistry  
handling

Chemical  
Depiction &  
Printing from the  
Web browser

Support for mole-  
cules, reactions,  
peptides &  
polymers

Accord Datasheet

# Accord Web Viewer

The Accord™ Web Viewer is a java applet with a rich set of chemical capabilities. Through a documented set of properties, it displays 'live' molecules and reactions in a webpage, allowing users to providing the ability to search compound databases, register structures and interact with common chemical drawing packages through a web browser.

## Drag-and-Drop Chemistry

Fundamentally change the way you create chemistry applications for the Web. The Accord Web Viewer handles multiple file formats, allowing users to visualise molecules & reactions, query chemical databases, and submit chemical structures for calculation - all without needing anything but Java plug-in installed on client machines.

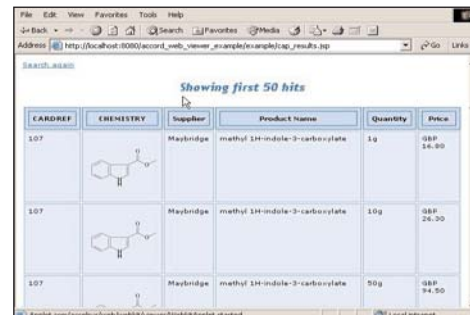
The Accord Web Viewer provides depiction of structures, reactions and other chemical entities. Data can be imported and exported in a wide variety of formats, including SMILES, and most popular chemical editors are cut & paste compatible with the control. The control's rich set of chemical properties and methods gives you close programmatic control over its use in web browsers such as Internet Explorer or Mozilla.

## The Accord Depictor




The Accord Engine is already renowned for its high-quality depiction of chemical structures, and now this functionality is available for use in web browsers on various client machines.

## Cut & Paste Compatibility

Accord supports a variety of formats for transferring chemical structures via the clipboard, including SMILES, MDL Molfiles, Rxnfiles & Sketch files, and CAS CXF files. Double-click an Accord Web Viewer applet and you can edit the contents with an OLE-enabled chemical editor, such as ISIS/Draw, ChemDraw or CASDraw.



The screenshot shows a web browser window displaying a table of search results. The table has columns for CARDREF, CHEMISTRY, Supplier, Product Name, Quantity, and Price. The results show three entries for 'methyl 1H-indole-3-carboxylate' from the supplier 'Maybridge'.

CARDREF	CHEMISTRY	Supplier	Product Name	Quantity	Price
107		Maybridge	methyl 1H-indole-3-carboxylate	1g	GBP 16.50
107		Maybridge	methyl 1H-indole-3-carboxylate	10g	GBP 24.50
107		Maybridge	methyl 1H-indole-3-carboxylate	50g	GBP 94.50

▲ Search our Chemicals Available for Purchase database via a web-browser, with our fully-documented CAP example application.

## Client and Server Components

An applet that runs in the client's Web browser is very lightweight and requires only the Java plug-in 1.4.2 to be installed. The server-side component of the view

er is backed up by the Accord Chemistry Engine and is deployed at the Web server (compatible with Sun Servlets 2.3).

## Server Databases & Calculations

Linking an Accord Web Viewer to a server-hosted database provides a powerful, flexible user interface for remote data-browsing, so chemical objects stored in an Accord Enterprise or DS Accord Chemistry Cartridge database can be displayed, manipulated and searched with ease. Similarly, linking the Web Viewer to server-hosted calculation engine gives the ability for remote users to calculate properties of their molecules and reactions.

## Key Features

- Cross-platform and cross-browser
- Server-side chemistry handling
- Lightweight client
- Chemical Depiction & Printing from the Web browser
- Compatible with CASDraw™, ChemDraw™, ISIS™ /Draw & Accelrys 3D Viewer
- Automation Interface
- Support for molecules, reactions, peptides & polymers

In short, Accord's open, component-based approach allows you to build effective chemistry-enabled solutions in record time - and at a price that you can afford.

For more information on how our software has been used to solve real scientific problems in industry, government, and academia, see our case studies, especially 'Tackling combinatorial enumeration'.

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