

# BIOVIA AVAILABLE CHEMICALS DIRECTORY (ACD) STRUCTURE-SEARCHABLE CHEMICALS DATABASE

Datasheet

The BIOVIA Available Chemicals Directory (BIOVIA ACD) database is one of the largest structure-searchable collections of commercially available chemicals in the world, with pricing and supplier information for over 15 million unique chemicals, including 2D Structures and 3D models, from nearly 780 suppliers worldwide.

## THE INDUSTRY-STANDARD REFERENCE

BIOVIA Available Chemicals Directory (ACD) has been the standard chemicals directory in the biopharmaceutical and chemicals industries for over 35 years.

With BIOVIA ACD, scientists can:

- Identify and locate commercial sources
- Make side-by-side comparisons of purity, quantity and price
- Save valuable time by accessing information from a single source
- Readily compile lists of chemicals of interest
- Save, refine and export results lists for use with other BIOVIA applications
- See commercial availability in context of reactions

## COMPREHENSIVE AND UP-TO-DATE

Updated monthly, BIOVIA ACD contains over 15 million structures representing over 45 million products and 116 million packages available for purchase, in bulk and research quantities from over 780 catalogs. New suppliers are continually added and BIOVIA works closely with supplier partners to maintain the most current database possible, ensuring streamlined ordering and accurate catalog information.

## FLEXIBLE WORKFLOW ACCESS

To help organizations integrate chemical sourcing into multiple scientific workflows, BIOVIA ACD is available via the BIOVIA Database Web Service, BIOVIA Insight, BIOVIA Workbook (via the Database Web Service), BIOVIA CISPro, the BIOVIA Isentris® informatics system, and the DiscoveryGate content platform at [www.discoverygate.com/dg3](http://www.discoverygate.com/dg3).

## ADDITIONAL DATA FORMATS

The database can be delivered in various formats to suit specific needs:

- SDF file, containing only the 3D models (no other catalog data)
- RDF file, for use with customer and third-party applications
- BIOVIA ACD Direct, a relational Oracle® data cartridge

The screenshot shows the BIOVIA Insight web interface. At the top, there's a search bar with 'Search: ACD\_EG'. Below it, a chemical structure of a complex organic molecule is displayed. To the right of the structure, there's a sidebar with 'Chemical Name Summary' and 'CAS Number' (1700-444). The main area shows a table of products with columns for 'Product Name', 'Product Number', 'Price', 'Quantity', 'Purity', 'Form', and 'Status'. The table lists various products, including 'ZINC(II) ACETATE' and 'ZINC(II) SULFATE'. On the right side, there's a 'Product Details' panel showing 'ZINC(II) ACETATE' with its chemical structure and properties.

Figure 1. Accessing BIOVIA ACD through BIOVIA Insight.

The screenshot shows the BIOVIA CISPro web interface. It features a search bar with 'Search: Material Search'. Below the search bar, there's a table of products with columns for 'Product Name', 'Product Number', 'Price', 'Quantity', 'Purity', 'Form', and 'Status'. The table lists various products, including 'ZINC(II) ACETATE' and 'ZINC(II) SULFATE'. On the right side, there's a 'Product Details' panel showing 'ZINC(II) ACETATE' with its chemical structure and properties.

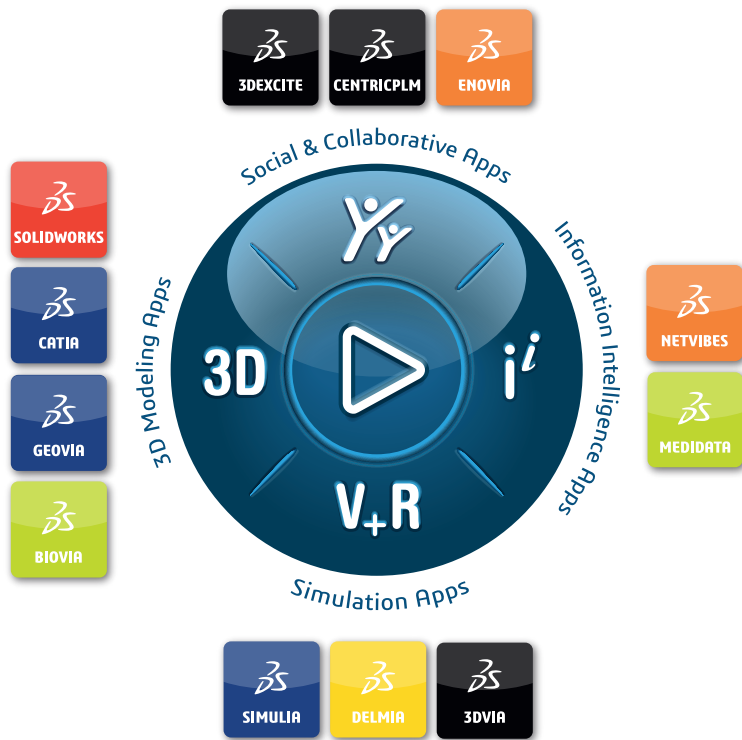
Figure 2. Accessing BIOVIA ACD through BIOVIA CISPro using Material Search Browse from BIOVIA Insight.

The screenshot shows the BIOVIA CISPro web interface. It features a search bar with 'Search: Caffeine'. Below the search bar, there's a table of search results with columns for 'Structure', 'Trade Name', 'Supplier', 'Size', 'Catalog #', 'Cost', and 'Actions'. The table lists various products, including 'CAFFEINE IMPURITY F', 'CAFFEINE', and 'CAFFEINE IMPURITY C'. On the right side, there's a 'Product Details' panel showing 'CAFFEINE' with its chemical structure and properties.

Figure 3. Accessing BIOVIA ACD through BIOVIA CISPro

The screenshot shows the DiscoveryGate web interface. It features a search bar with 'Search: Caffeine'. Below the search bar, there's a table of search results with columns for 'Structure', 'Trade Name', 'Supplier', 'Size', 'Catalog #', 'Cost', and 'Actions'. The table lists various products, including 'CAFFEINE IMPURITY F', 'CAFFEINE', and 'CAFFEINE IMPURITY C'. On the right side, there's a 'Product Details' panel showing 'CAFFEINE' with its chemical structure and properties.

Figure 4. Accessing BIOVIA ACD through DiscoveryGate.



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**Europe/Middle East/Africa**  
Dassault Systèmes  
10, rue Marcel Dassault  
CS 40501  
78946 Vélizy-Villacoublay Cedex  
France

**Asia-Pacific**  
Dassault Systèmes K.K.  
ThinkPark Tower  
2-1-1 Osaki, Shinagawa-ku,  
Tokyo 141-6020  
Japan

**Americas**  
Dassault Systèmes  
175 Wyman Street  
Waltham, Massachusetts  
02451-1223  
USA

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