ChemBioDraw Ultra 14.0 Suite

ChemBioDraw Ultra 14.0 Download Individual Perpetual English
by Perkin Elmer (formerly by CambridgeSoft)

System Requirements: Windows 7, 8 & 8.1 (Pro and Ultimate (32/64 bit); MS Office 2010, MS Office 2013 (32bit).

Mac OS 10.9 & word 2011 (mac)

The ChemBioDraw® Ultra 14.0 suite provides scientists with an up to date collection of scientifically intelligent applications for chemical structure drawing and analysis combined with biological pathway drawing.

ChemBioDraw® Ultra 14.0 is the industry standard structure drawing suite for the serious professional to draw accurate, chemically-aware structures for use in database queries (**including direct searching in SciFinder**), preparation of publication-quality graphics, and entry for modeling and other programs that require an electronic description of molecules and reactions as well as advanced prediction tools and full Web integration using the ChemDraw ActiveX/Plugin.

Highlights in Version 14.0

- **Search SciFinder direct from ChemBioDraw Ultra with no time-consuming cutting and pasting**
- Biopolymer toolbar with disulfide and lactam bridges, beta and D-amino acids, DNA, RNA, protecting groups and linkers

> *"The new Biopolymer Toolbar is a huge help to draw peptides or DNA sequences. It is easy to handle and saves a lot of time."*

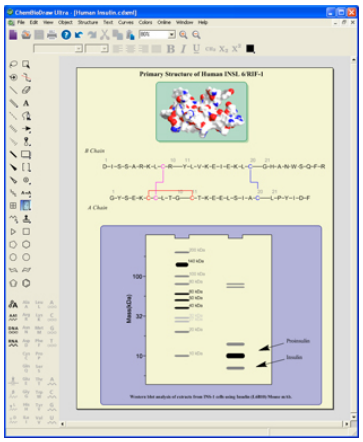


Figure 1: Image showing the electrophoresis plate, biopolymer sequence and 3D structure.
[Click picture to enlarge]

- Paste peptide, DNA and RNA sequences and have them interpreted chemically with sequence wrapping and shaping

- New Gel Electrophoresis Plate Tool provides arbitrary rotation for lane labels, drag and position band labels, paste data from Excel or other sources, and copy and paste between lanes
- Calculators for pKa, LogD and LogS enable scientists to explore important bioavailability properties such acid dissociation, distribution and aqueous solubility for putative compounds
- Collaboration is easier than ever as scientists can now use Dropbox™ to save , share and import ChemBioDraw structures, reactions and drawings using a secure, sharable Cloud location

For more information on all of the applications that are include in the ChemBioDraw Ultra suite, please see the Applications tab below.

Applications Included

ChemBioDraw Ultra 14.0
This ultimate chemistry and biology drawing application delivers all of the industry leading drawing, publishing and analytical features in ChemDraw combined with the biology features in BioDraw, providing a complete solution for chemical structure drawing and analysis combined with biological pathway drawing.

ChemBioDraw Ultra chemical structure analysis tools include 13C and 1H NMR prediction with peak splitting and highlighting and choice of solvent, Struct=Name, ChemDraw/Excel, stoichiometric analysis, property predictions including pKa, LogD and LogS live-linked to the structure, a live-linked Database Gateway, fragmentation tools, TLC and Gel Electrophoresis plate drawing tools, and 3D structures live-linked to the 2D structure. ChemBioDraw also offers customization options for Nicknames, Templates, and HotKeys, and adds a new Save to Dropbox feature. A new biopolymer toolbar enables creation of peptide, DNA and RNA sequences, including beta and D-amino acids, disulfide and lactam bridges and linkers and protecting groups. Biological pathway drawing elements include membranes, DNA, enzymes, receptors, and reaction arrows. tRNA, Ribosomes, Helix Proteins, Golgi Bodies, G-Proteins, Immunoglobins, Mitochondrion, new Freehand Pen Tool, Annotation, and a Plasmid mapping tool are also included.

ChemDraw ActiveX/Plugin Pro 13.0

This premier ActiveX Control/Plugin allows querying online chemical databases and viewing and publishing online structures. This installer automatically installs the necessary Plugin or ActiveX controls based on the web browser(s).

Chem3D Pro 14.0

This premier application for desktop molecular modeling and protein visualization provides support for state-of-the-art open GL graphics and stereo hardware. Build small molecules using the ChemDraw interface and see the 3D structure appear simultaneously, perform basic Molecular modeling computations such as Dihedral driver MM2 experiments, Molecular Mechanics and Dynamics. Perform ab initio calculations with an interface to GAMESS

ChemBioFinder Ultra 14.0
ChemBioFinder Ultra is the ultimate database management system for chemical structure and information databases. Browse, create, search, and update local databases with structural, numeric, and text data via user-customizable forms, including structural, sub-structural, and similarity queries, as well as linking to related data in sub-forms. Calculate values for physical properties, view and edit structures in a variety of modes, automatically create databases and forms for imported data, export and print. Easily manage saved queries, access favorite databases, and view database structure via the dockable Explorer Window. Features include the ability to perform RGroup Analysis, read graphic files from the database, Python programming and improved tautomeric searching.

ChemBioViz Pro 14.0
ChemBioViz Pro is a rich toolkit for visualizing numeric data in ChemBioFinder. Calculate and display structure activity relationships, clustering relationships, and statistical data, including histograms, scatter, logarithmic plots, and dendrograms. Descriptive statistics include minimum, maximum, mean, median, standard deviation and more. Create Compound Profiles and visually compare and rank structures based on values of selected properties and the cost profile associated with each property. Create plots within ChemBioFinder sub-forms.

ChemBioViz is a visualization application which works with ChemBioFinder Ultra and allows users to correlate biological activity with chemical structures. ChemBioViz transforms ChemBioFinder data into easy to understand graphics, allowing scientists to easily discern structure-activity relationships. ChemBioViz generates an interactive window containing a variety of plot types and allows researchers to analyze data using a variety of statistical

analytical tools. Users can then filter their data on any field in the database in order to examine subsets of data in order to locate trends and correlations.

ChemDraw/Excel Pro 14.0

ChemDraw/Excel allows scientists to create chemically intelligent spreadsheets within the familiar Microsoft Excel environment. Build and manipulate chemical structures within Excel, compute chemical properties and use structure and substructure searches to locate and group compounds.

ChemBioFinder for Office 14.0

ChemBioFinder for Office locates and searches structure files contained in documents on your computer or network drives. Multiple structure file types are recognized, including cdx, mol, sdf, rxn and skc, and search results can be displayed or exported as SDfiles.

BioDraw Ultra 14.0

BioDraw Ultra makes drawing and annotating biological pathways quick and straightforward, adding an unmatched level of uniformity and detail. Drawing elements include membranes, DNA, enzymes, receptors, and reaction arrows, tRNA, Ribosomes, Helix Proteins, Golgi Bodies, G-Proteins, Immunoglobins, Mitochondrion and a Plasmid Map Tool. BioDraw Ultra now includes a biopolymer toolbar for drawing and editing peptide and nucleotide sequences using single and three letter codes, including beta and D-amino acids. The sequences can be expanded and contracted and sulfide and lactam bridges can be easily added.

hemNMR Pro 14.0

ChemNMR can be used to accurately estimate ^{13}C and ^{1}H (proton) NMR chemical shifts. The molecule and the spectrum appear in a new window. The chemical shifts are displayed on the molecule and the spectrum is linked to the structure so that clicking on a peak in the spectrum highlights the related fragment on the molecule. With ChemNMR 13.0, the solvent can be specified as DMSO or $CDCl_3$

Struct=Name Pro 14.0

Struct=Name contains the leading comprehensive methods for converting chemical structures into IUPAC chemical names and names to structures. It can be used for many types of compounds, including charged compounds and salts, bridged and fused ring systems, highly symmetric structures, isotopically labeled compounds and many other types of inorganic and organometallics.

MestRe Nova Std/Lite

MestRe Nova (MNova) Std is a 1D only application for data processing, visualization and analysis of NMR data. The program provides a variety of conversion facilities for most NMR spectrometer formats and includes the conventional processing, displaying and plotting capabilities of an NMR program, and more advanced processing techniques. MNova Std/Lite is a 1D only version of MNova which offers the user basic processing and analysis capabilities. The full version of MNova is available through the SciStore online store or directly through Mestrelab Research.

ChemDraw for iPad (to be purchased separately from AppStore)

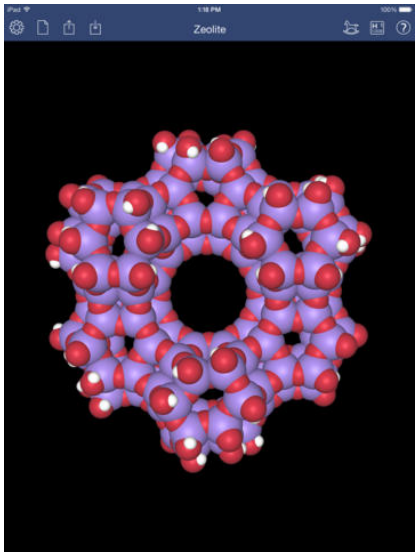
ChemDraw® for iPad® provides all the tools scientists need to capture and share chemical inspiration and innovation whenever they want and wherever they are. A new scaffold, a new synthetic pathway, an interesting tweak to a promising lead compound – researchers can quickly sketch them with ChemDraw® for iPad® as ideas take shape and share them with colleagues and save them for later elaboration and processing. Educators and students can also use ChemDraw® for iPad® to quickly pose and answer chemical questions and assignments.

With simple touch gestures scientists can use ChemDraw® for iPad® to quickly create, edit and share publication-quality chemical structures and reactions, while leveraging 25 years of proven chemical intelligence and attention to detail in ChemDraw desktop software

ChemDraw® for iPad® Features revolutionary Flick-to-Share™ technology so that researchers, students and teachers can immediately "flick" chemical drawings to other app users within their network and receive modified structures back; no multi-step emailing or cloud storage services required.

Chem3D® for iPad® (free from App Store)

Chem3D® for iPad® is a free, structurally accurate molecular viewer for exploring and interacting with 3D models, built on the same 20 years of proven chemical intelligence and attention to detail in Chem3D desktop software.



Academac – Software Solutions -
POB 2753, Kadima 60920
Tel:09-7661823 www.academac.co.il Fax:09-7661872

www.academac.co.il info@academac.co.il