

## Top Ten Reasons to Buy ChemBioDraw 12

1. **The fastest way to draw chemical structures:** We know your time is valuable, so ChemDraw is designed to make it quick to draw chemical structures and biological pathways. Easily build structures using predefined rings and templates; add atom labels and captions in any fonts and styles. A complete range of other objects include orbitals, free-form curves, various lines, boxes, and other geometric shapes, tables, TLC plates, automatic and manual atom numbering, and more.
2. **Sophisticated biological pathway drawing tools:** A new set of first class drawing tools on the BioDraw toolbar for producing biological pathway drawings, with many more colorful images of cell organelles, lab animals, anatomy and more
3. **The most accurate way to draw chemical structures:** ChemDraw honors standard chemical conventions as you draw, for example changing a CH<sub>3</sub> atom label to CH<sub>2</sub> when you add an additional bond. If you make a mistake, ChemDraw will warn you about the potential problem by highlighting it with a red box. It's much easier to fix mistakes before you have shared them with others!
4. **The most advanced chemical structure drawing conventions:** Beyond the world of simple organics, ChemDraw provides many tools for drawing complicated structures. Multi-center attachments represent the  $\pi$ -bonding of metallocenes. Intelligent brackets can be used to display polymers. Quadruple bonds are important in transition-metal chemistry. All of these conventions are stored in a chemically-aware manner, and don't just look like "pretty pictures".
5. **The most customizable user environment for chemical drawing:** ChemDraw gives users unparalleled flexibility to fit into any workflow. Create your own templates to streamline repetitive drawing tasks, define custom nicknames to reduce document clutter and customize hotkey definitions to make ChemDraw work on your terms, not on ours. Even share your customizations with your colleagues! Users may also use ChemDraw in ISIS mode, enjoying the benefits of ChemDraw's powerful functionality while operating in an environment that may be more familiar.
6. **The highest quality chemical structure display anywhere:** ChemDraw continues to be the structure drawing program most requested by the most highly regarded chemical journals. Control all aspects of your drawing, including line widths, fonts and font styles, colors, and more. Output formats include Encapsulated PostScript and TIFF for stellar printed output, as well as GIF for publication to the WWW. ChemDraw also now supports for full RGB color, so there is no longer a 24 color limit, allowing documents which can contain over 16 million colors.
7. **Predict chemical properties:** Chemical structures represent real-life substances. ChemDraw can predict many properties for those substances, including carbon-13 and proton NMR spectra, Log P (using several algorithms, including the well-regarded ClogP), and more. Many properties -- including chemical formula, weight, and elemental analysis -- are calculated and updated in real time as you draw, providing yet another way to make sure you are drawing what you expect
8. **Employ world-class nomenclature tools:** Using Struct=Name, generate accurate names according to the systematic rules proposed by the International Union of Pure and Applied Chemistry (IUPAC), including comprehensive support for the Cahn-Ingold-Prelog (CIP) rules for absolute stereochemistry (R, S, E, Z, etc). Have the name but want the structure? ChemDraw can generate structures from most chemical names, whether or not they conform to any set of systematic rules. Even typos are automatically recognized and interpreted, and structures generated from ambiguous names are highlighted for more thorough review.
9. **Use ChemDraw as an interface to other applications:** ChemDraw supports all commonly-used 2D structure drawing formats, including MDL MolFiles, ISIS SKC files, SMILES strings and SLN strings, as well as its own publicly-documented and fully extensible CDX and XML-native CDXML formats. The ChemDraw plugin for Netscape/Mozilla and ActiveX control can be embedded within HTML pages to add a structure-drawing interface to existing web browsers. The ActiveX control can also be incorporated directly into your own custom applications produced in Visual Basic or other development environments.
10. **Stoichiometry Grid Tool:** Automatically generate a table of reaction stoichiometry data using this powerful tool. You can customize the display, change units and even toggle visibility of specific information. Tabular data is automatically updated as you draw.
11. "...and much, much more"