

ELEMENTAL



Elemental is a chemistry sketch tool embedded across the full range of Dotmatics products including Vortex, Browser, Register, Gateway and StudiesELN. It is also available in standalone forms of Elemental Draw for Windows, ElementalApp for iOS/Android and ElementalDB for iOS. It can also be available as a plugin for developers to bring chemistry depiction and drawing to their own applications.

MULTIPLATFORM STRUCTURE EDITING

Elemental Suite includes:

- Elemental Draw is a chemical drawing software for scientists
- Elemental App is designed for your mobile devices, including iPhones and iPads
- Elemental DB enables scientists to search chemical structures within the 1.2 million ChEMBL dataset
- Elemental plugin enables developers to add structure drawings to their applications

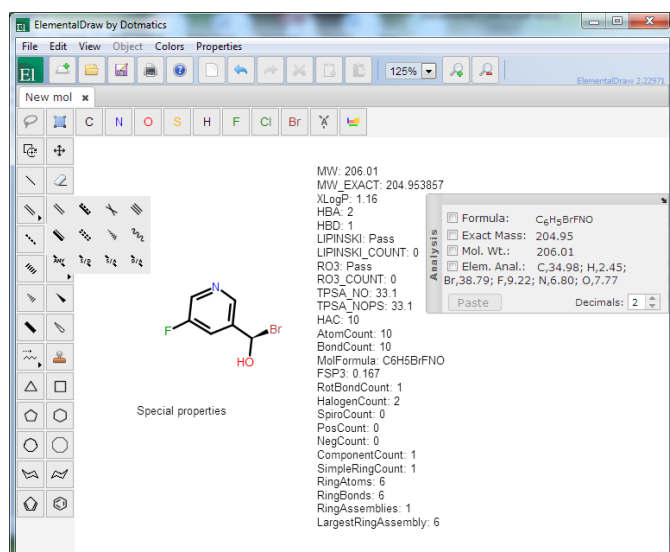


Figure 1: Example of data analysis workflow

ELEMENTAL DRAW: FOR SCIENTISTS ON WORKSTATIONS

- Elemental Draw can be used as a standalone application or in conjunction with the Dotmatics Platform. Use Elemental Draw to edit and draw in a quality worthy of publication.
- Draw chemical structures and reactions
- Calculate chemical properties from a comprehensive list
- Change the look and feel of your interface to emulate ISIS/Draw or Chem/Draw
- Multiple tabs enable you to work with multiple structures/reactions simultaneously
- Right-click to clean up structures
- Retrace your steps with multiple Redo/Undo
- Annotate reactions or structures with free text
- Use a comprehensive set of atom and bond types
- Easily create structures with R groups
- Speed up your drawing with predesigned or user-defined templates
- Save and retrieve SD and Mol files
- Incorporate your sketches in Microsoft Office™ document
- Print to PDF

ELEMENTAL APP: FOR SCIENTISTS ON THE GO

- The Elemental App enables scientists to draw, save and even email chemical structures and reaction on mobile devices:
- Install the Elemental App on iPhone, iPad and Android devices
- Draw chemicals and reactions
- Calculate chemical properties
- Easily manipulate atoms and bonds
- Change charges, isotopes and atom properties
- Manipulate bond types and stereochemistry
- Save or email the structures and reactions drawn
- Download for free from iTunes or Google Play

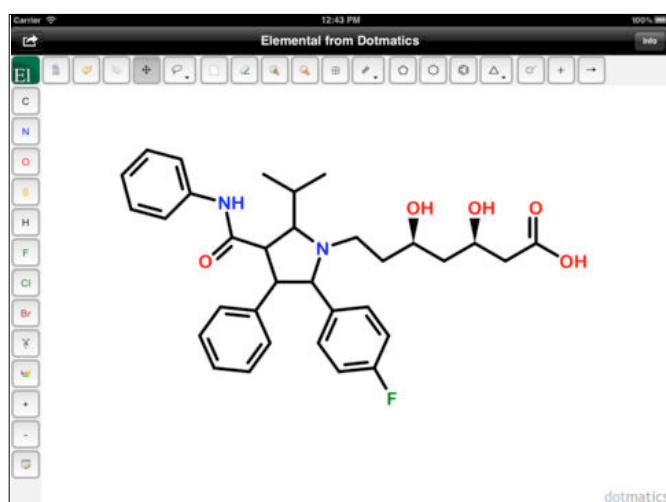


Figure 3: Example of an interactive 3D Scatterplot

ELEMENTALDB: 1.2 MILLION MOLECULES AT HAND

- ElementalDB has all the benefits of the Elemental App with connectivity to the ChEMBL dataset. ChEMBL is a database of bioactive drug-like, small molecules and it contains 2-D structures, calculated properties and bioactivities.
- Ultra-fast searching algorithm
- Searches are performed on your device
- View and save results

ELEMENTAL PLUGIN: ADD CHEMICAL INTELLIGENCE TO YOUR APPLICATIONS

- Elemental Plugin is designed for developers who wish to integrate chemical intelligence within their own software or websites:
- JavaScript plugin designed to sketch chemical structures
- Enable chemical queries and browsing on your applications
- Examples include ChemSpider, Reaxys and all Dotmatics applications

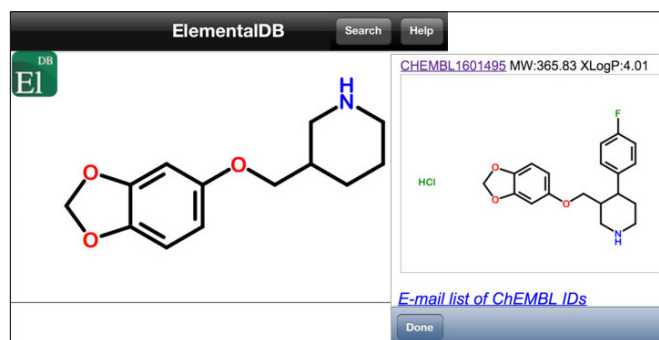


Figure 4: R-group analysis in Vortex

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