



EVERY CHEMIST
CAN DRAW
WITH CHEMDRAW

The Drawing Tool for Chemists Who Can't





BETTER DRAWING CREATES BETTER CHEMISTRY

You may think you know ChemDraw®
but you don't know the half of it.

From a simple drawing tool to a chemically intelligent application, ChemDraw has evolved into a software chemists and research scientists rely on for everyday tasks.

Today, ChemDraw is more advanced than ever.

Whether you're an experienced chemist or an aspiring one, our software allows you to find your way around organic chemistry without having to master drawing.

NO DRAWING SKILLS? NO PROBLEM.

Let's face it, you're a chemist, not an artist. Stick to what you know and let ChemDraw handle the heavy lifting.

ChemDraw specialties include:

- The ability to generate a chemical structure from a name and vice versa
- Direct access to analytical and chemical property data of structures and their fragments
- Organizational tools and shortcuts like alignment and distribution, scaling, and coloring expedites reporting
- Cloud compatibility
- A variety of complex, predrawn graphical templates covering chemistry, chemical biology, and biology

CTRL + CLICK & DRAG



Enter a common or IUPAC name of a given molecule to immediately retrieve the structure.

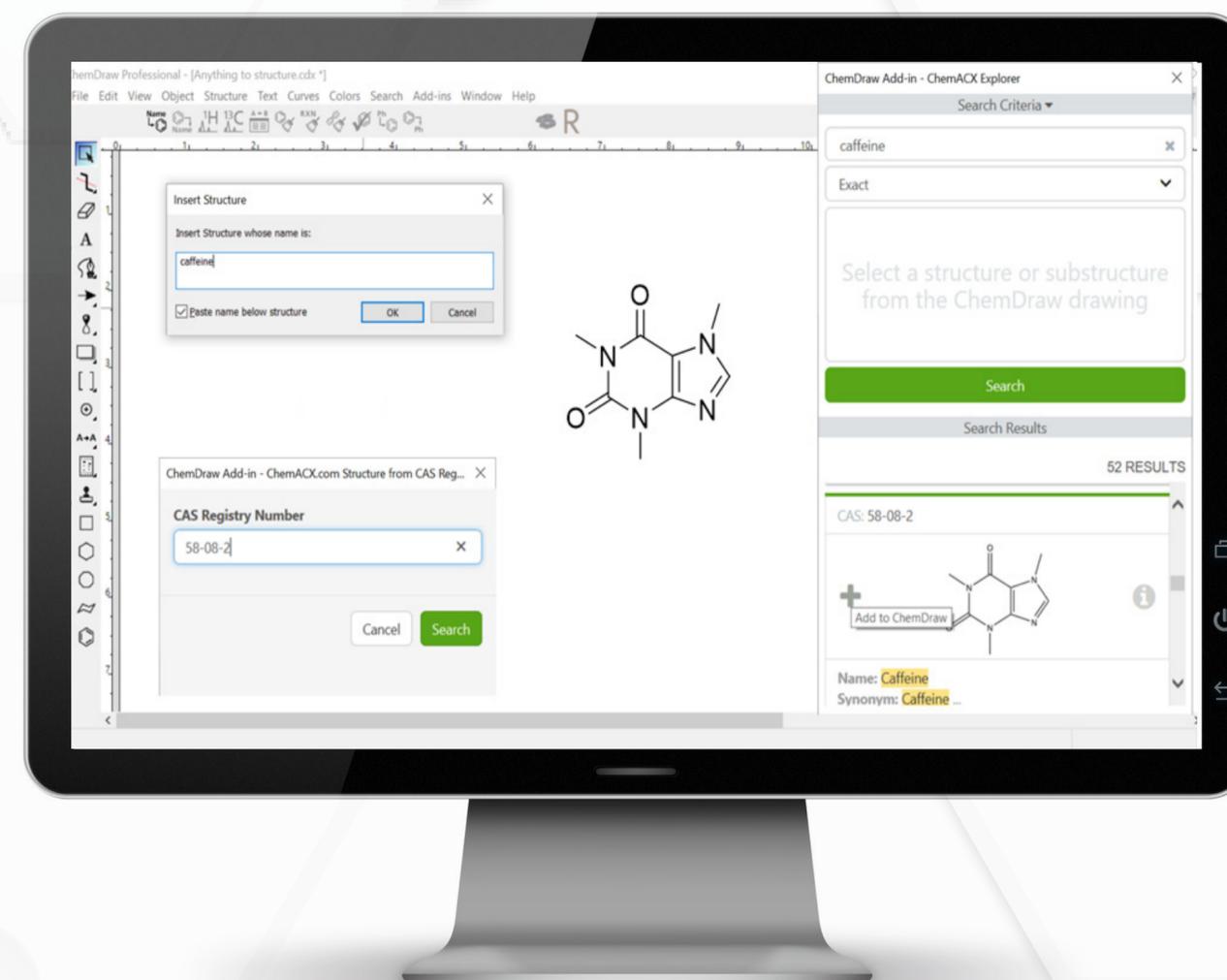
Generate a structure from a name, CAS RN, InChI, or SMILES string.

FROM **Name** TO **Structure**

Generating a chemical structure from its name is one of ChemDraw's smartest features, and there are several tricks that help you do it quickly.

For example:

- Generate an entire molecule without having to draw it – just by pressing an icon or using a keyboard shortcut
- Type a full chemical name – or even common synonyms for that name – to automatically produce a full structure (think caffeine, not 1,3,7-trimethyl-3,7-dihydro-1H-purine-2,6-dione)
- Easily look up definitions in **ChemACX**, the PerkinElmer library of over 10 million commercially available substances
- Identify molecules through their CAS registry number (CAS RN) using ChemDraw add-ins – simply type in the number and the structure immediately appears
- Find common chemical identifiers online and easily copy and paste the chemical text strings directly into ChemDraw, either on your desktop or through the ChemDraw mobile app



TOOLS FOR **DEEPER ANALYSIS**

Save time every day with direct access to selected data about a created structure and its fragments.

For example:

- Generate basic information through the analysis window
- Calculate exact masses of fragments through the fragmentation tool
- Determine if you synthesized the desired compound with predicted NMR spectra
- Process and annotate NMR, MS, LC/MS, or GC/MS data files with MestRenova ChemDraw Edition

Analysis

Formula: C₁₀H₁₈O

Exact Mass: 154.13577 Decimals: 5

Mol. Wt.: 154.25300

m/z: 154.13577 (100.0%), 155.13912

Elem. Anal.: C, 77.87; H, 11.76; O, 10.37

Paste

The analysis window helps you characterize analytical samples.

ChemDraw Professional - [Analytical tools.cdx *]

File Edit View Object Structure Text Curves Colors Search Add-ins Window Help

Analysis

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Paste

Chemical Properties

Boiling Point: 528,66 [K]

Melting Point: 224,7 [K]

Critical Temp: 684,9 [K]

Critical Pres: 25,71 [Bar]

Critical Vol: 576,5

Gibbs Energy: 39,84 [kJ/mol]

Log P: 2,49

MR: 51,64

Henry's Law: 2123,63

Heat of Form: -187,1 [kJ/mol]

tPSA: 20,23

CLogP: 2,969

CMR: 4,9177

LogS: -1,888

pKa: 14,590

Paste Report

Chemical Formula: C₁₀H₁₈O

Exact Mass: 71,049

geraniol

ALIGN. DISTRIBUTE. REPEAT.

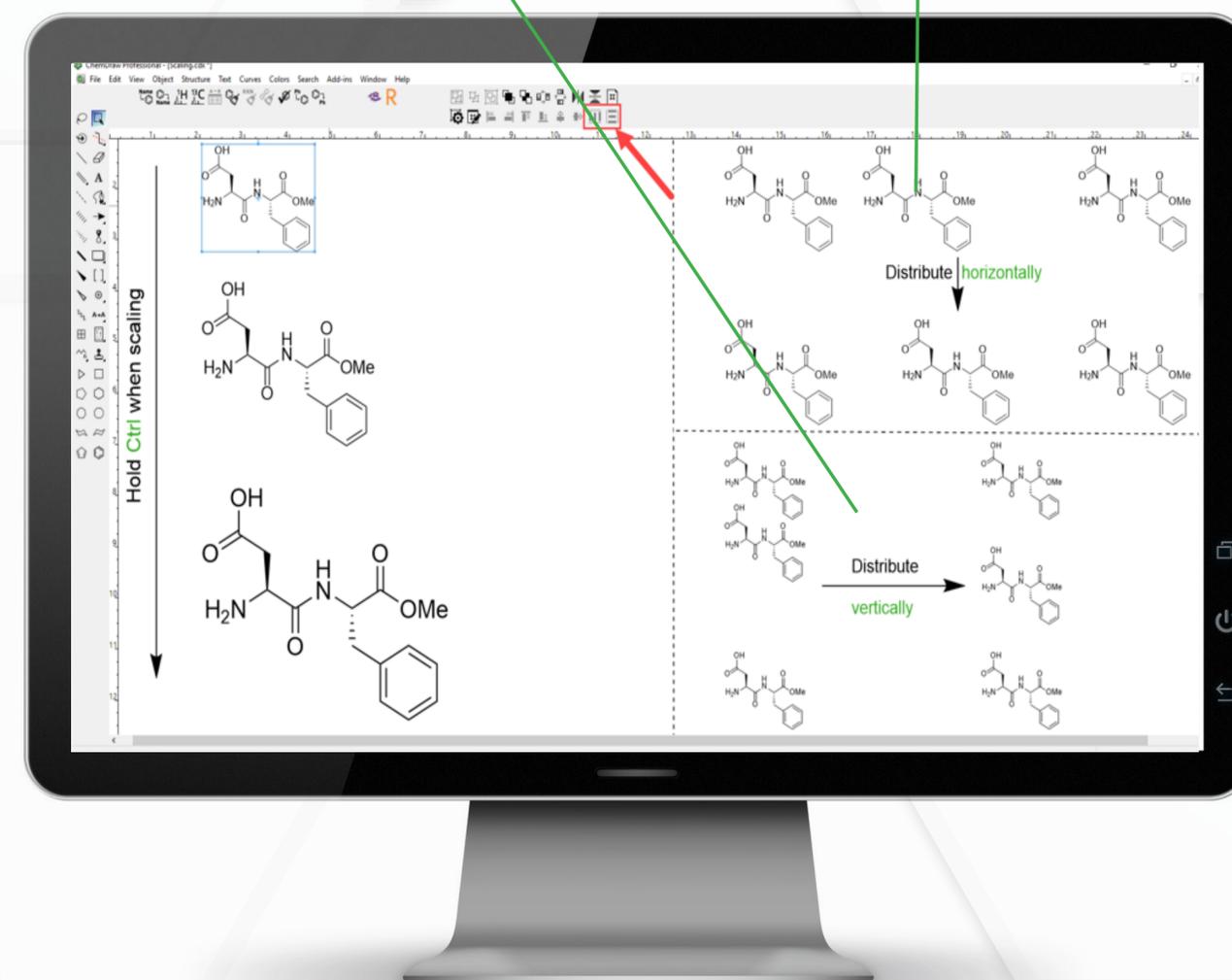
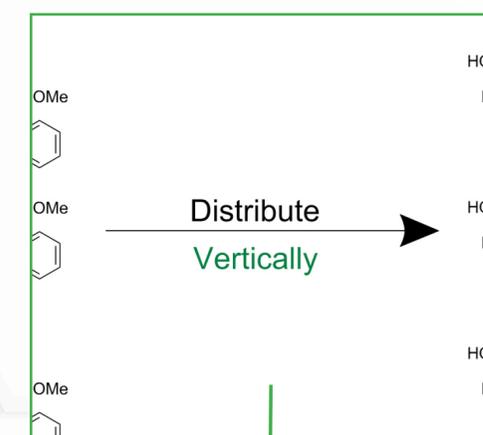
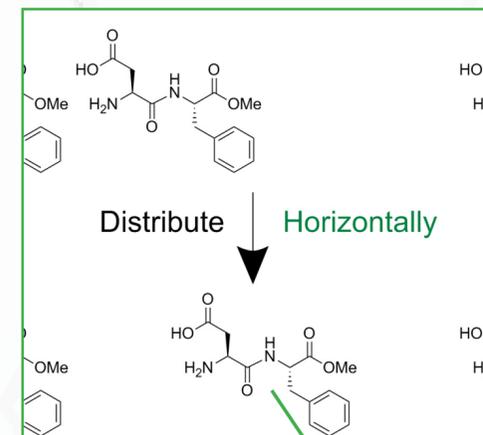
Annoyed by molecules that aren't arranged neatly? Yeah, we are too. That's why ChemDraw has several alignment features built right in!

4.

For example:

- Align structures by top, bottom, and middle planes as well as left, right, and center
- Easily align specific atoms or bonds
- Distribute selected molecules horizontally or vertically with just one click

Find functions in the Object toolbar or by following the shortcuts shown in the screenshot.



REPORTING **IN REAL TIME**

You've done your analysis, and now you're ready to report your results. ChemDraw structures can be copied and pasted directly into Microsoft® Word and Powerpoint while still maintaining their high quality.

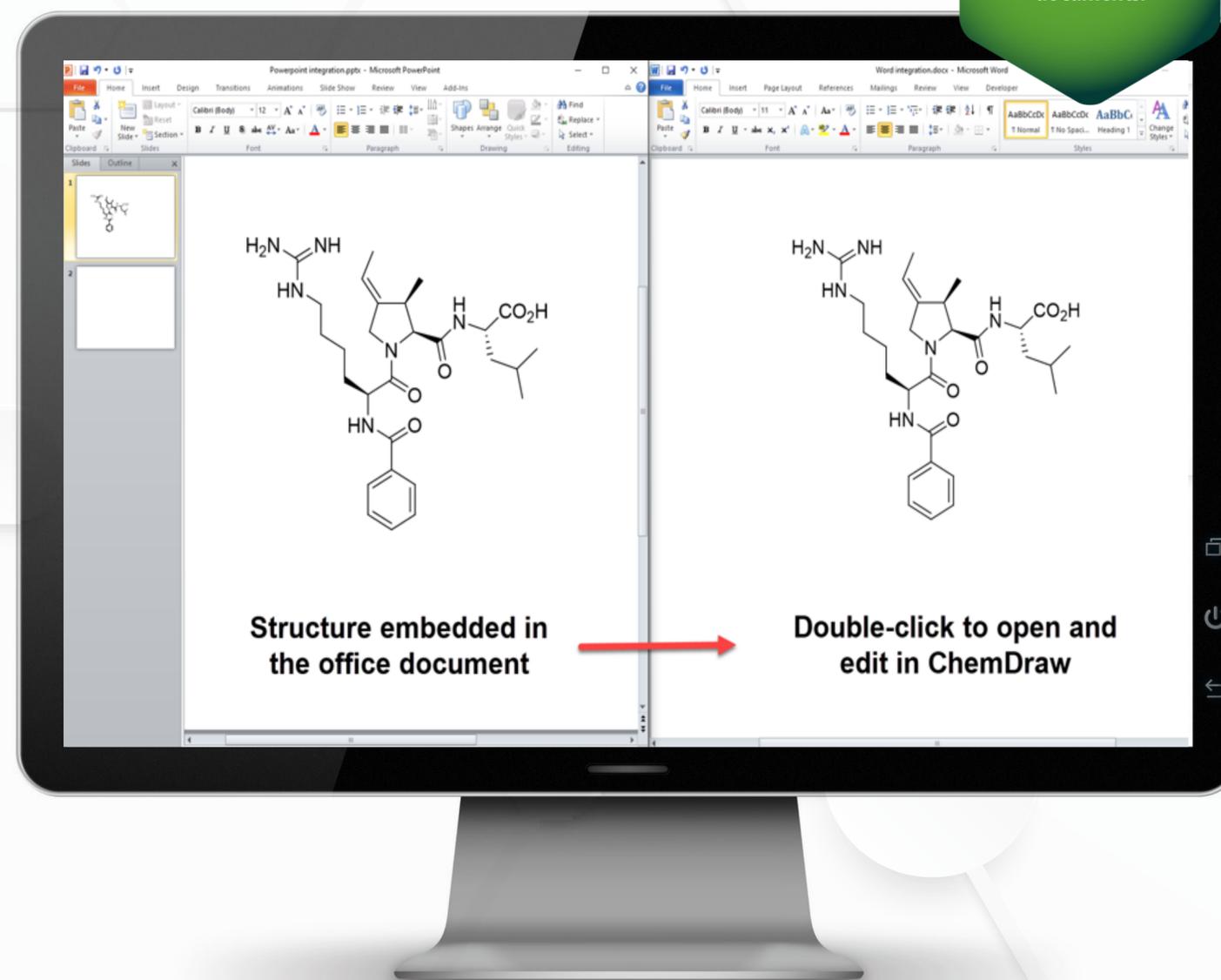
Easily put together slides or reports.

ChemDraw will automatically open when you **double click** on the structure. Your edits will be saved and displayed in real time within the Microsoft® application.

DOUBLE CLICK

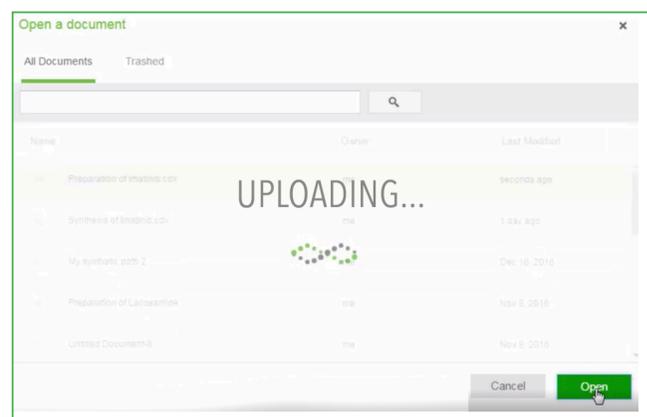


Copy, paste, and edit your molecules within MS Office documents.

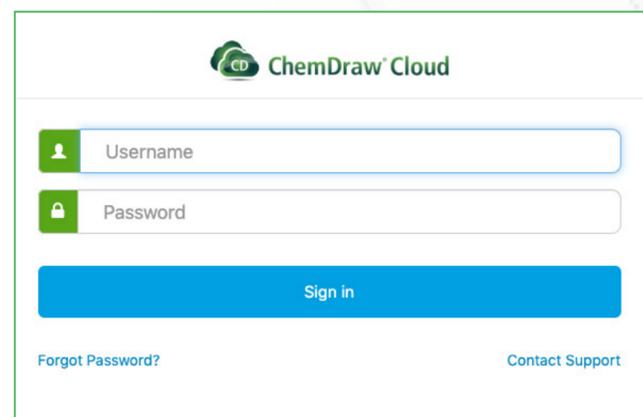


WORK ANYWHERE, ANY TIME

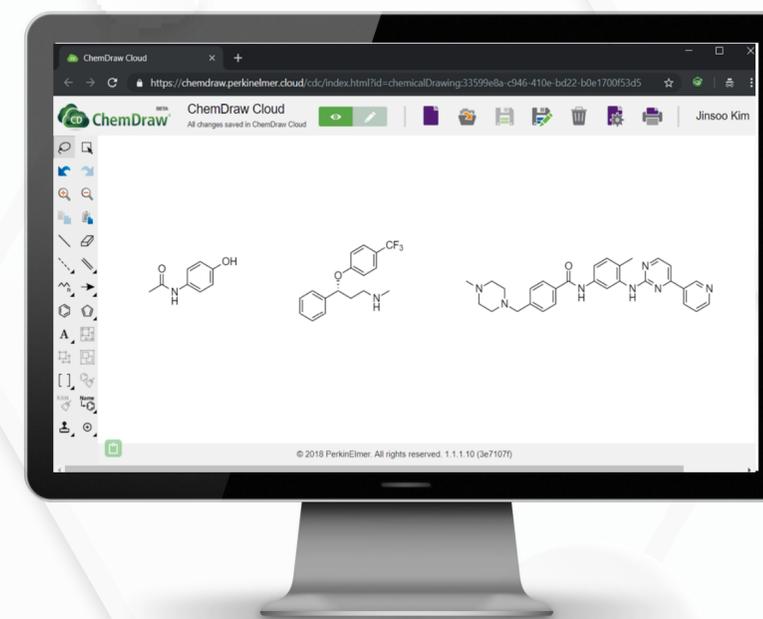
Just because you're not at work, doesn't mean your science has to wait. With ChemDraw Cloud, you can access files from any computer with internet connection in just three easy steps:



1. Upload your document to ChemDraw Cloud



2. Log in with your credentials on the ChemDraw Cloud homepage



3. Continue working away from your desktop version of ChemDraw

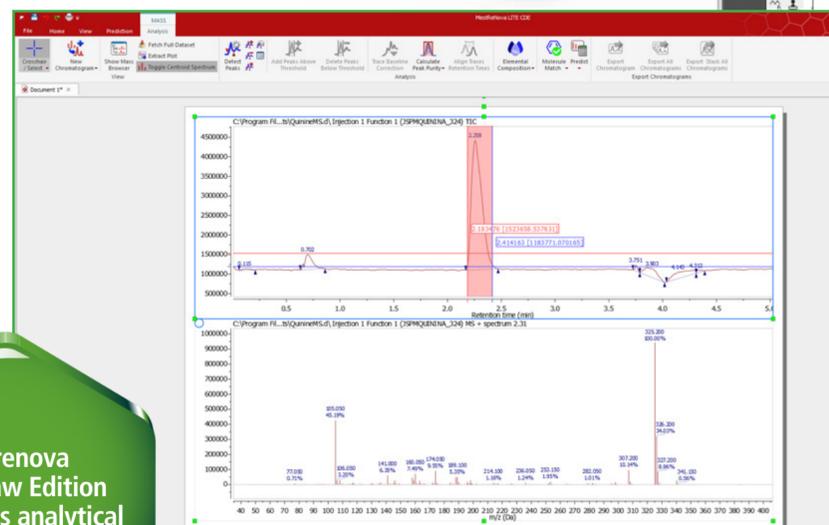
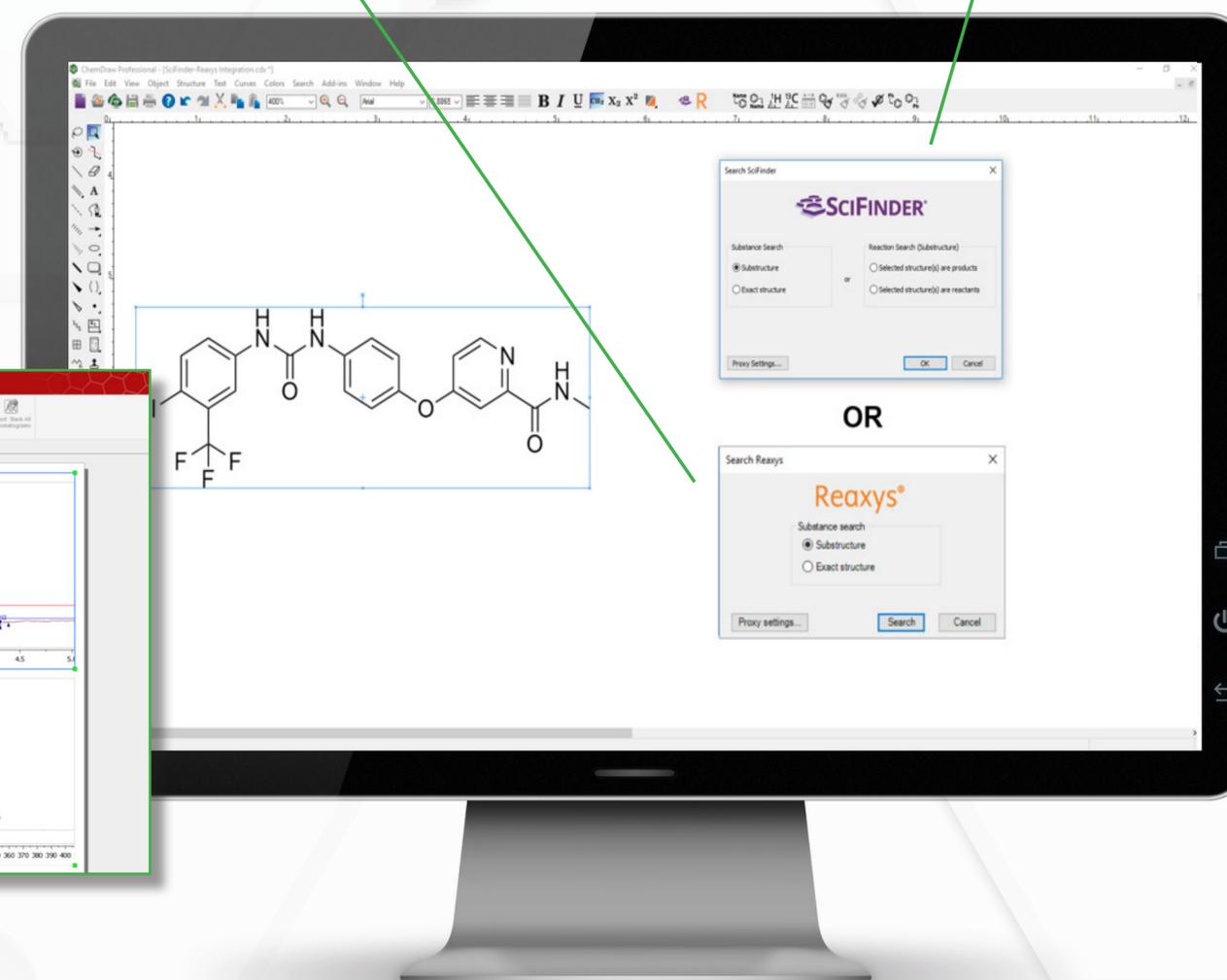
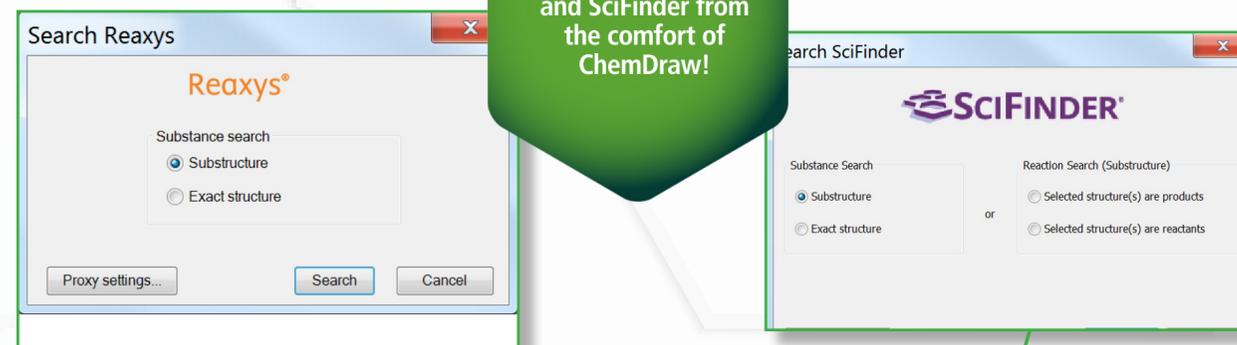
INTEGRATIONS MAKE YOUR JOB EASIER

As if ChemDraw wasn't already one of the easiest, most useful software tools for your lab, its latest integrations make it even stronger.

The additions of **Scifinder**[®] and **Reaxys**[®] enable you to search for compounds and reactions without having to exit ChemDraw.

And now ChemOffice includes a complimentary subscription to **Mestrenova Lite**[®]! This allows you to process your own raw NMR, MS, LC/MS, or GC/MS data files and directly drop ChemDraw structures into them.

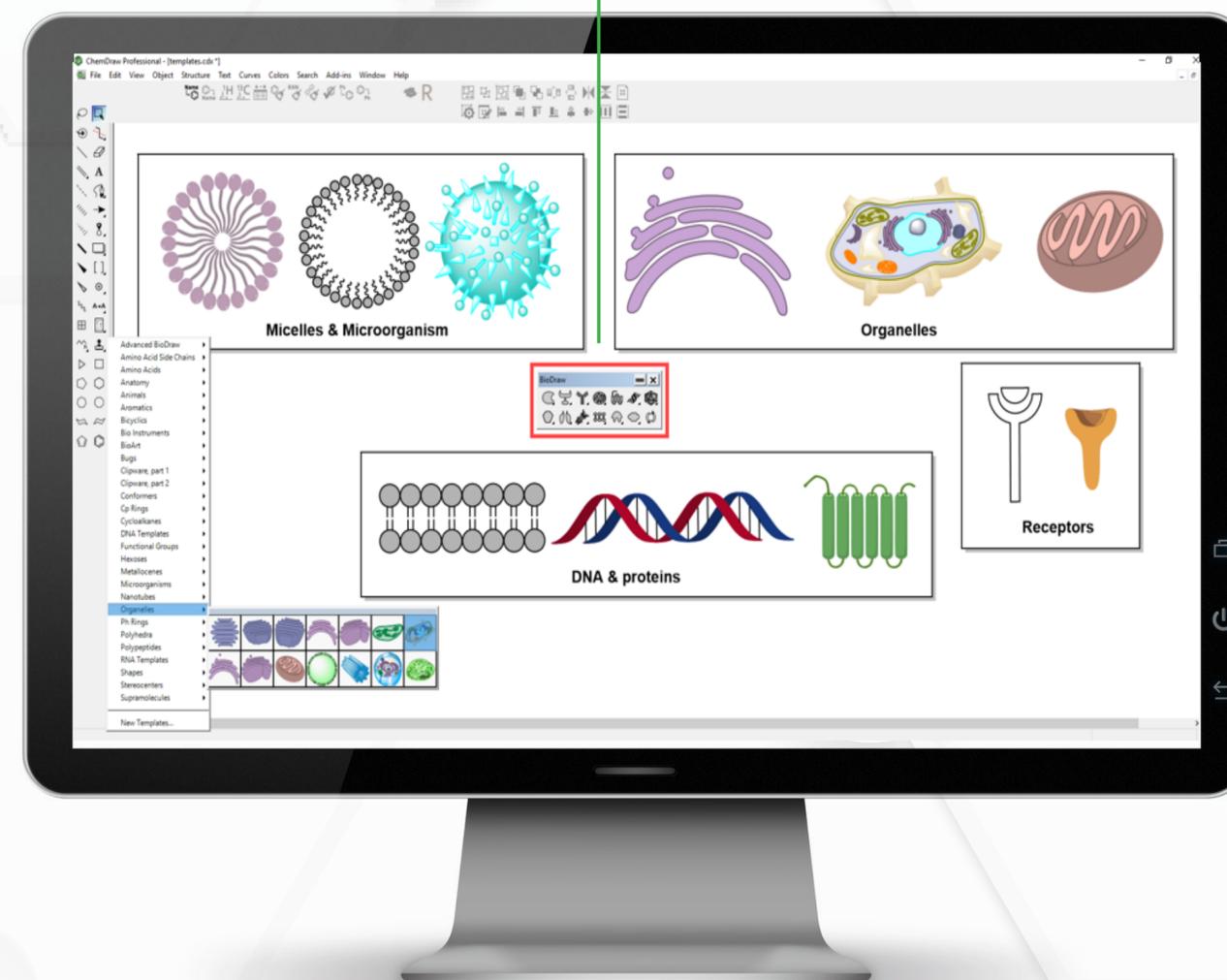
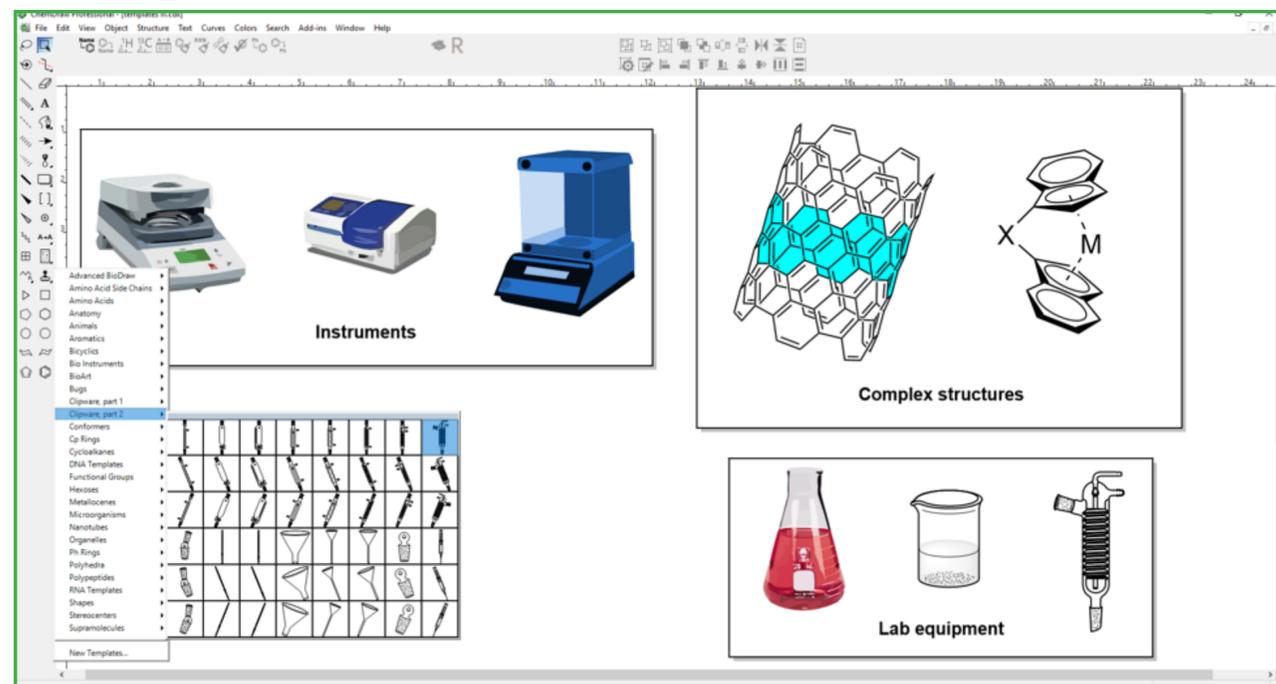
Search Reaxys and SciFinder from the comfort of ChemDraw!



Mestrenova
ChemDraw Edition
streamlines analytical
chemistry

TEMPLATES: BECAUSE DRAWING ISN'T YOUR SPECIALTY

When it comes to drawing, the struggle is real. That's why we've compiled a group of preexisting templates to choose from when recording your results. From micelles, organelles, and DNA and proteins to lab equipment like instruments, accessories, and consumables, ChemDraw's prebuilt templates get you from start to finish in no time.



Create your first masterpiece now!



[Click here for a free trial.](#)



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