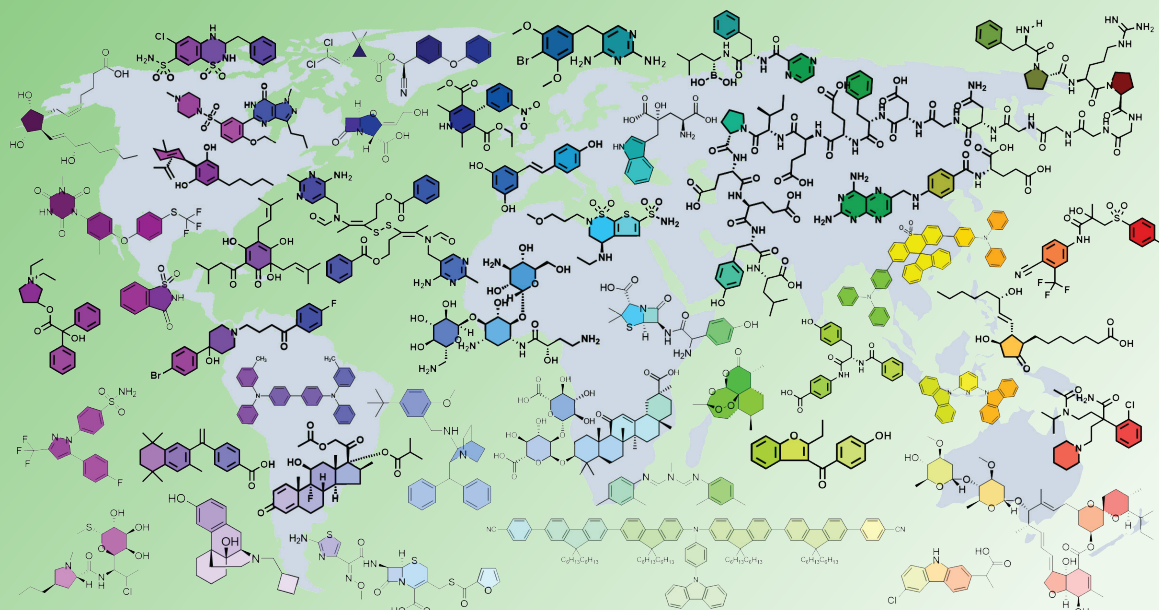




# ChemOffice 21.0

## SUITE OF PRODUCTS



| Version 21.0 New Features                          | Platform | ChemDraw Prime | ChemDraw Professional | ChemOffice | ChemOffice+ Cloud Standard * |
|--|----------|----------------|-----------------------|------------|------------------------------|
| Metallocene hotkeys                                | Win/Mac  | ●              | ●                     | ●          | ●                            |
| New Join Icon                                      | Win/Mac  | ●              | ●                     | ●          | ●                            |
| Improved Join Function                             | Win/Mac  | ●              | ●                     | ●          | ●                            |
| Hostpot Navigation Enhancements                    | Win/Mac  | ●              | ●                     | ●          | ●                            |
| 3D Clean-up Enhancements                           | Win/Mac  |                | ●                     | ●          | ●                            |
| Metallocene Support for 3D Clean-up                | Win/Mac  |                | ●                     | ●          | ●                            |
| 3D Display Enhancements                            | Win/Mac  |                | ●                     | ●          | ●                            |
| Improved HELM Monomer Toolbar                      | Win/Mac  |                | ●                     | ●          | ●                            |
| HELM Monomer versioning Support                    | Win/Mac  |                | ●                     | ●          | ●                            |
| New Ring-Fill Color Palette                        | Win/Mac  |                | ●                     | ●          | ●                            |
| Save as 3D-printable Object (.3MF)                 | Win/Mac  |                |                       | ●          | ●                            |
| Copy as 3D-printable Object (.3MF)**               | Win/Mac  |                |                       | ●          | ●                            |
| Atom/Bond Color Highlight Transfer to 3D Object    | Win/Mac  |                |                       | ●          | ●                            |
| ChemOffice+ ***                                    | Win/Mac  |                |                       |            | ●                            |
| Dedicated Tenant in multi-tenant Cloud Environment | Win/Mac  |                |                       |            | ●                            |
| ChemDraw JS for internal development               | Win/Mac  |                |                       |            | ●                            |

| Version 21.0 New Features  | Platform | ChemDraw Prime  | ChemDraw Professional   | ChemOffice  | ChemOffice+ Cloud Standard *  |
|--|----------|---|---|---|---|
| Metallocene hotkeys  | Win/Mac  |  |  |  |    |
| New Join Icon  | Win/Mac  |  |  |  |    |
| Improved Join Function   | Win/Mac  |  |  |  |    |
| Hostpot NavigaCon Enhancements                                   | Win/Mac  |  |  |  |    |
| 3D Clean-up Enhancements   | Win/Mac  |   |  |  |    |
| Metallocene Support for 3D Clean-up                              | Win/Mac  |   |  |  |    |
| 3D Display Enhancements  | Win/Mac  |   |  |  |    |
| Improved HELM Monomer Toolbar                                    | Win/Mac  |   |  |  |    |
| HELM Monomer versioning Support                                  | Win/Mac  |   |  |  |    |
| New Ring-Fill Color Palette                                      | Win/Mac  |   |  |  |    |
| Save as 3D-printable Object (.3MF)                               | Win/Mac  |   |   |  |    |
| Copy as 3D-printable Object (.3MF)**                             | Win/Mac  |   |   |  |    |
| Atom/Bond Color Highlight Transfer to 3D Object                  | Win/Mac  |   |   |  |    |
| ChemOffice+ ***  | Win/Mac  |   |   |   |    |
| Dedicated Tenant in multi-tenant Cloud Environment               | Win/Mac  |   |   |   |    |
| ChemDraw JS for internal development                             | Win/Mac  |   |   |   |    |
|  |          |   |   |   |   |
| ChemOffice+ Features **  | Platform | ChemDraw Prime  | ChemDraw Professional   | ChemOffice  | ChemOffice+ Cloud Standard  |
| Browse & Drill-down into ChemDraw Files (.cdx, .cdxml)           | Win/Mac  |   |   |   |    |
| Browse & Drill-down ChemDraw Files embedded in MS Word           | Win/Mac  |   |   |   |    |
| Browse & Drill-down ChemDraw Files embedded in MS Powerpoint     | Win/Mac  |   |   |   |    |
| Browse ChemDraw For Excel Files                                  | Win      |   |   |   |    |
| Browse .mol & .sdf Files   | Win/Mac  |   |   |   |  |
| View .sdf Files properties                                       | Win/Mac  |   |   |   |  |
| Copy Embedded Chemical Structures to the Clipboard               | Win/Mac  |   |   |   |  |
| Create Collection of Chemical Structures                         | Win/Mac  |   |   |   |  |
| Adding Properties to Collections                                 | Win/Mac  |   |   |   |  |
| Editing Properties of Collections                                | Win/Mac  |   |   |   |  |
| Saving Collection Layout as a Template                           | Win/Mac  |   |   |   |  |
| Batch-Editing of Multiple Chemical Structures in Collections     | Win/Mac  |   |   |   |  |
| Structure-searching inside Cloud-hosted MS Office documents      | Win/Mac  |   |   |   |  |
| Searching across Signals Notebook (SNB) Experiments***           | Win/Mac  |   |   |   |  |
| Create Collection of Reactions from SNB Experiments              | Win/Mac  |   |   |   |  |
| Export Collections to SD Files (v2000, v3000)                    | Win/Mac  |   |   |   |  |
| Create Powerpoint Reaction Report Slide from SNB Experiments**** | Win/Mac  |   |   |   |  |
| Create Powerpoint Molecule Report Slide from Collection          | Win/Mac  |   |   |   |  |

| Recent Additions                               | Platform | ChemDraw Prime | ChemDraw Professional | ChemOffice | ChemOffice+ Cloud Standard |
|--|----------|----------------|-----------------------|------------|----------------------------|
| Magic Hotkeys Enhancements                     | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Shortcuts Enhancements                         | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Smart Copy/Paste (SMILES, InChI, HELM)         | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Aromatic Cycle Display Toggle and Preferences  | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Stereochemistry handling improvements          | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Improved Polymer Brackets (Average MW)         | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Atom/Bond Color Highlighting                   | Win/Mac  |                | ✓                     | ✓          | ✓                          |
| Ring-Fill Coloring                             | Win/Mac  |                | ✓                     | ✓          | ✓                          |
| Search into SciFinder-n                        | Win/Mac  |                | ✓                     | ✓          | ✓                          |
| Search into Reaxys                             | Win/Mac  |                | ✓                     | ✓          | ✓                          |
| IUPAC-based Atom Numbering                     | Win/Mac  |                | ✓                     | ✓          | ✓                          |
| CAS RN to Structure (from ChemACX.com)         | Win/Mac  |                | ✓                     | ✓          | ✓                          |
| HELM Toolbar                                   | Win/Mac  |                | ✓                     | ✓          | ✓                          |
| Google Patents/Scholar Add-in                  | Win/Mac  |                |                       | ✓          | ✓                          |
| PubChem GHS Safety Add-in                      | Win/Mac  |                |                       | ✓          | ✓                          |
| ChemACX Explorer                               | Win/Mac  |                |                       | ✓          | ✓                          |
| ChemDraw Add-ins SDK                           | Win/Mac  |                |                       | ✓          | ✓                          |
| ChemDraw Add-ins Dynamic Download              | Win/Mac  |                |                       | ✓          | ✓                          |
| Support for Add-ins Token-based Authentication | Win/Mac  |                |                       | ✓          | ✓                          |
| Shared HELM Libraries                          | Win/Mac  |                |                       | ✓          | ✓                          |
|  |          |                |                       |            |                            |
| Includes                                       | Platform | ChemDraw Prime | ChemDraw Professional | ChemOffice | ChemOffice+ Cloud Standard |
| Read and Save as .cdx / .cdxml Files           | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Read and Save as .rxn Files (v2000, v3000)     | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Read and Save as .skc Files                    | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Read and Save as .mol Files (v2000, v3000)     | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Read and Save as .sdf Files (v2000, v3000)     | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Read and Save as .rdf Files (v2000, v3000)     | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Save ChemDraw Style Sheet                      | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Structure Clean-up                             | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Reaction Clean-up                              | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Magic Hotkeys                                  | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Chemical Bonds Tools                           | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Text Tool                                      | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| 3D Perspective Tool                            | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Chemical Rings Tools                           | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Arrow Tool                                     | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |

| Includes   | Platform | ChemDraw Prime | ChemDraw Professional | ChemOffice | ChemOffice+ Cloud Standard |
|--|----------|----------------|-----------------------|------------|----------------------------|
| Orbitals Tool  | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Brackets Tool  | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Pen Tools  | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Shapes Tool  | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Chemical Polymers Tools                                  | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Mass Fragmentation Tools                                 | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Thin Layer Chromatography Tool                           | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Gel Electrophoresis Tool                                 | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Insert OLE Object in ChemDraw                            | Win      | ✓              | ✓                     | ✓          | ✓                          |
| Copy ChemDraw Structures as OLE Object                   | Win      | ✓              | ✓                     | ✓          | ✓                          |
| Show Stereochemistry                                     | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Relative Stereochemistry (ISIS compatibility)            | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Reaction Interpretation                                  | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Reaction Mapping   | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Calculate MW   | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Calculate Exact Mass                                     | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Calculate Chemical Formula                               | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Calculate Elemental Analysis                             | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Calculate m/z  | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Copy/Paste as CDXML                                      | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Copy/Paste as SMILES                                     | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Copy/Paste as SYBYL (SLN)                                | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Copy/Paste as InChI                                      | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Copy/Paste as Mol File / Mol3000                         | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| pKa / Log P / Log S                                      | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| tPSA   | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Atom List Generic Structures (Enumeration)               | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Variable Attachment Generic Structures (Enumeration)     | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Label Repeating Units Generic Structures (Enumeration)   | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Polymer Repeating Units Generic Structures (Enumeration) | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Chemical Structures Templates                            | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Laboratory Equipment Templates                           | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Analyze/Check Structures                                 | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Expand/Contract Labels                                   | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Define/Use Nicknames                                     | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Document Metadata/Tagging                                | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| MulCple ChemDraw Items Folder                            | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |
| Multicenter Attachments                                  | Win/Mac  | ✓              | ✓                     | ✓          | ✓                          |

| Includes   | Platform | ChemDraw Prime  | ChemDraw Professional   | ChemOffice  | ChemOffice+ Cloud Standard  |
|--|----------|---|---|---|---|
| Save as JPEG image   | Win/Mac  |  |    |    |    |
| Save as PNG image  | Win/Mac  |  |    |    |    |
| Save as TIFF image   | Win/Mac  |  |    |    |    |
| Save as Scalable Vector Graphics (SVG)                       | Win/Mac  |  |    |    |    |
| Save as Encapsulated Post Script (EPS)                       | Win/Mac  |  |    |    |    |
| Name-to-Structure / Structure-to-Name                        | Win/Mac  |   |    |    |    |
| Predict 1H NMR   | Win/Mac  |   |    |    |    |
| Predict 13C NMR  | Win/Mac  |   |    |    |    |
| Search SciFinder   | Win/Mac  |   |    |    |    |
| Search SciFinder-n   | Win/Mac  |   |    |    |    |
| Search Reaxys  | Win/Mac  |   |    |    |    |
| Reaction Stoichiometry Grid                                  | Win/Mac  |   |    |    |    |
| R-Group Table Generic Structures (Enumeration)               | Win/Mac  |   |    |    |    |
| BioDraw Toolbar  | Win/Mac  |   |    |    |    |
| cLogP  | Win/Mac  |   |    |    |    |
| HELM Toolbar   | Win/Mac  |   |    |    |    |
| Copy/Paste as HELM   | Win/Mac  |   |    |    |    |
| Copy/Paste as FASTA Peptide                                  | Win/Mac  |   |    |    |    |
| Copy/Paste as FASTA DNA/RNA                                  | Win/Mac  |   |    |    |    |
| Support for HELM notation                                    | Win/Mac  |   |    |    |    |
| CAS RN to Structure from ChemACX.com                         | Win/Mac  |   |    |    |    |
| Enhanced Stereochemistry Support                             | Win/Mac  |   |    |    |    |
| ChemDraw for Excel   | Win      |   |    |    |    |
| CombiChem for Excel  | Win      |   |   |   |   |
| Name-to-Structure / Structure-to-Name for ChemDraw for Excel | Win      |   |  |  |  |
| Chem3D Professional  | Win      |   |  |  |  |
| ChemFinder Standard  | Win      |   |  |  |  |
| ChemScript   | Win      |   |  |  |  |
| PubChem GHS Safety Add-in                                    | Win/Mac  |   |   |  |  |
| Google Scholar / Google Patents Add-in                       | Win/Mac  |   |   |  |  |
| Save as 3D-printable object (.3MF)                           | Win/Mac  |   |   |  |  |
| Copy as 3D-printable object (.3MF)                           | Win/Mac  |   |   |  |  |
| Transfer Atom/Bond Color Highlights to 3D-printable object   | Win/Mac  |   |   |  |  |
| ChemACX Explorer   | Win/Mac  |   |   |  |  |
| Custom ChemDraw Add-ins SDK                                  | Win/Mac  |   |   |  |  |
| Support for Token-based Authentication of Add-ins            | Win/Mac  |   |   |  |  |
| Shared HELM Libraries  | Win/Mac  |   |   |  |  |
| Mnova ChemDraw Edition                                       | Win/Mac  |   |   |  |  |

| Includes                                   | Platform | ChemDraw Prime | ChemDraw Professional | ChemOffice | ChemOffice+ Cloud Standard |
|--|----------|----------------|-----------------------|------------|----------------------------|
| Chem3D Ultra                               | Win      |                |                       | ●          | ●                          |
| Chem3D Interface to Conflex                | Win      |                |                       | ●          | ●                          |
| Chem3D Interface to Autodock               | Win      |                |                       | ●          | ●                          |
| Chem3D Interface to GAMESS 2020            | Win      |                |                       | ●          | ●                          |
| Chem3D Interface to Gaussian 16W           | Win      |                |                       | ●          | ●                          |
| Chem3D Interface to MOPAC 2016             | Win      |                |                       | ●          | ●                          |
| ChemFinder Ultra                           | Win      |                |                       | ●          | ●                          |
| ChemFinder for Oracle                      | Win      |                |                       | ●          | ●                          |
| Explorer Window View in ChemFinder Ultra   | Win      |                |                       | ●          | ●                          |
| BioViz in ChemFinder Ultra                 | Win      |                |                       | ●          | ●                          |
| Compound Profiles in ChemDraw Finder Ultra | Win      |                |                       | ●          | ●                          |
| Clustering in ChemFinder Ultra             | Win      |                |                       | ●          | ●                          |
| Combine ChemFinder Query Hit Lists         | Win      |                |                       | ●          | ●                          |
| ChemFinder Exports to MS Word/Excel        | Win      |                |                       | ●          | ●                          |
|  |          |                |                       |            |                            |

Visit [www.perkinelmerinformatics.com/products/research/chemdraw/](http://www.perkinelmerinformatics.com/products/research/chemdraw/) for more information

\* Requires a minimum of 5 users

\*\* Pasting a .3MF object in MS Powerpoint requires a MS Office 365 subscription

\*\*\* ChemOffice+ is a Cloud-Native application and gets updated automatically on a quarterly basis

\*\*\*\* Requires a Signals Notebook Account