

revvity  
signals



## Years of ChemDraw

# ChemDraw™ SUITE OF PRODUCTS

*ChemDraw delivers streamlined desktop and cloud offerings. Signals ChemDraw provides full access to ChemDraw desktop applications, as well as ChemDraw+, the cloud-native web application integrated within the Signals ecosystem.*

NEW FEATURES	Platform	ChemDraw Prime	ChemDraw Professional	Signals ChemDraw
ChemDraw now supports ARM and Intel Macs processors	Mac	🟢	🟢	🟢
Coordination bonds now behave like dative bonds in chemical perception	Win/Mac/Web	🟢	🟢	🟢
Stereo allenes and atropisomers now labeled with M & P stereochemistry (instead of R & S)	Win/Mac/Web	🟢	🟢	🟢
New Biopolymer document setting: remove line wrapping in biopolymer sequences	Win/Mac/Web	🟢	🟢	🟢
Insert FASTA Peptide sequence with definition line into a drawing	Win/Mac/Web		🟢	🟢
Improved visualization and clean-up of biopolymers	Win/Mac/Web			🟢
HELM in-line annotation support for monomers and polymers	Win/Mac/Web			🟢
Biopolymer connections now appear curved instead of sharp corners	Win/Mac/Web			🟢
Atom-mapped SMILES now supported in HELM strings for copy/paste	Win/Mac/Web			🟢
Drawing hydrogen bonds between complementary strands with non-natural nucleobases	Win/Mac/Web			🟢
Complementary strands inserted to canvas in a single line with no line wraps	Web			🟢
HELM Editing & Navigation Improvements	Web			🟢
BILN support for peptides	Web			🟢
HELM hotkeys for editing biopolymers	Web			🟢
Usability improvements when working with HELM biopolymer structures	Web			🟢
Refined Cursor display for drawing & editing HELM biopolymer structures	Web			🟢
Added support for pasting FASTA DNA/RNA sequences	Web			🟢
Drawing hydrogen bonds between complementary strands	Web			🟢
Complimentary strand generation from Text Tab with Hydrogen bonding	Web			🟢
Complementary strands generated from text tab now contain hydrogen bonds	Web			🟢
Generate complementary strand tool	Web			🟢
HELM Auto-pair tool	Web			🟢
Show 3' and 5' ends of oligonucleotides	Web			🟢
Sense & antisense annotations now available on oligonucleotide biopolymers	Web			🟢
Selection of attachment points between monomers to create biopolymer crosslinks	Web			🟢
New ChemDraw editor for HELM monomer curation	Web			🟢
Add new monomer to customer HELM libraries	Web			🟢
Enhanced Stereochemical annotation tool	Web			🟢

3D Clean-up & perspective tools	Web			●
Properties & Query Panels	Web			●
Zoom, scrolling and panning	Web			●
Rotate 180 degrees vertically and horizontally	Web			●
Chemical Symbols	Web			●
Join tool	Web			●
New ChemDraw web editor	Web			●
Expanded User Menu	Web			●
Upload Multiple Files	Web			●
Creation of Notebook	Web			●
Sharing of Notebooks & Drawings	Web			●
Trashing & Restoring Notebooks	Web			●
Notifications (in app and email preferences)	Web			●
Structure-based searching	Web			●

Efficient and Intuitive Drawing Experience	Platform	ChemDraw Prime	ChemDraw Professional	Signals ChemDraw
Chemical Bonds Tools	Win/Mac/Web	●	●	●
Chemical Rings Tools	Win/Mac/Web	●	●	●
Text Tool	Win/Mac/Web	●	●	●
Join and merge chemical structures	Win/Mac/Web	●	●	●
Smart Copy/Paste (SMILES, InChI, HELM)	Win/Mac/Web	●	●	●
Smart Paste (no overlapping on paste actions)	Win/Mac/Web	●	●	●
Shortcuts	Win/Mac/Web	●	●	●
Magic Hotkeys	Win/Mac/Web	●	●	●
Rotate 180 degrees vertically and horizontally	Win/Mac/Web	●	●	●
Expand/Contract Labels	Win/Mac/Web	●	●	●
Chemical Structures Templates	Win/Mac/Web	●	●	●
Reaction Mapping	Win/Mac/Web	●	●	●
Multicenter Attachments	Win/Mac/Web	●	●	●

Atom List Generic Structures	Win/Mac/Web			
Variable Attachment Generic Structures	Win/Mac/Web			
Label Repeating Units Generic Structures	Win/Mac/Web			
Polymer Repeating Units Generic Structures	Win/Mac/Web			
Generic Structure Enumeration	Win/Mac			
Pen Tools	Win/Mac			
Shapes Tool	Win/Mac			
Laboratory Equipment Templates	Win/Mac			
Reaction Interpretation	Win/Mac			
Save ChemDraw Style Sheet	Win/Mac			
Define/Use Nicknames	Win/Mac			
R-Group Table Generic Structures	Win/Mac/Web			
Zoom and scrolling	Win/Mac/Web			
Create new Drawing from a Style Sheet	Win/Mac/Web			
Upload Multiple Files	Web			
Panning	Web			
Dashboard view with recent & favorite drawings	Web			
List view of drawings and favorites	Web			
List view of notebook	Web			
Trash & Untrash Drawings	Web			
Edit Drawings in ChemDraw Desktop	Web			
Duplicate a Drawing	Web			
Rename a Drawing	Web			
Round Trip editing to ChemDraw Desktop	Web			
Favorite a Drawing	Web			
Add Favorite monomers (peptides, DNA/RNA, Chem, Blob)	Web			
Search & filter monomer libraries	Web			

Communication that Stands Out	Platform	ChemDraw Prime	ChemDraw Professional	Signals ChemDraw
Structure Clean-up	Win/Mac/Web	●	●	●
Reaction Clean-up	Win/Mac/Web	●	●	●
Dark Mode Style Sheet	Win/Mac/Web	●	●	●
3D Perspective Tool	Win/Mac/Web	●	●	●
3D Clean-up & perspective tools	Win/Mac/Web		●	●
HELM Cartoon Representation	Win/Mac/Web		●	●
Biopolymer Clean-up	Win/Mac/Web		●	●
Atom/Bond Color Highlighting	Win/Mac		●	●
Ring-Fill Coloring	Win/Mac		●	●
Hydrogen Bonding in 3D cleanup	Win/Mac		●	●
BioDraw Toolbar	Win/Mac		●	●
Atom/Bond Color Highlight & Ring Fill transfer to 3MF	Win/Mac			●
Hydrogen Bonding support in 3MF	Win/Mac			●

Accurate Chemical Representation	Platform	ChemDraw Prime	ChemDraw Professional	Signals ChemDraw
Arrow Tool	Win/Mac/Web	●	●	●
Brackets Tool	Win/Mac/Web	●	●	●
Hydrogen Bond Tool	Win/Mac/Web	●	●	●
Chemical Polymers Tools	Win/Mac/Web	●	●	●
Parametrizable bracket for polymers supports average MW	Win/Mac/Web	●	●	●
Show Stereochemistry	Win/Mac/Web	●	●	●
Relative Stereochemistry (ISIS compatibility)	Win/Mac/Web	●	●	●
Atropisomer perception	Win/Mac/Web	●	●	●
M & P stereochemistry for allenes and atropisomers	Win/Mac/Web	●	●	●
Insertion of Chemical Symbols	Win/Mac/Web	●	●	●
Aromatic Cycle Display Toggle and Preferences	Win/Mac	●	●	●
Orbitals Tool	Win/Mac	●	●	●

Ignore Top Level Chiral flag	Win/Mac/Web			
Enhanced Stereochemistry Support	Win/Mac			
Enhanced Stereochemical annotation tool	Web			

Accurate Biopolymer Representation	Platform	ChemDraw Prime	ChemDraw Professional	Signals ChemDraw
Add new monomer to custom HELM libraries	Win/Mac/Web			
Support for ambiguous FASTA/HELM Monomers	Win/Mac/Web			
HELM Monomer Versioning Support	Win/Mac/Web			
Paste FASTA sequences	Win/Mac/Web			
Insert Monomers to the Right or Left in a sequence	Win/Mac/Web			
Replace a monomer in a sequence	Win/Mac/Web			
Biopolymer crosslinks	Win/Mac/Web			
Browse & Inspect Monomer Libraries	Win/Mac/Web			
HELM in-line annotation support for monomers and polymers	Win/Mac/Web			
Atom-mapped SMILES supported in HELM strings for copy/paste	Win/Mac/Web			
Insert FASTA Peptide sequence with definition line into a drawing	Win/Mac/Web			
Drawing hydrogen bonds between complementary strands with non-natural nucleobases	Win/Mac/Web			
Draw with centralized monomer libraries from Pistoia Alliance & Signals	Win/Mac/Web			
Draw with centralized custom monomer libraries	Win/Mac/Web			
Shared HELM Libraries	Win/Mac/Web			
Deprecate/Restore Monomers	Web			
Bulk Import Custom Monomer Libraries	Web			
Bulk Import Reports	Web			
BILN support for peptides	Web			
HELM Editing & Navigation	Web			
HELM hotkeys for editing biopolymers	Web			
Drawing hydrogen bonds between complementary strands	Web			
Complimentary strand generation from Text Tab with Hydrogen bonding	Web			
Generate complementary strand tool	Web			

HELM Auto-pair tool	Web			●
Show 3' and 5' ends of oligonucleotides	Web			●
Sense & antisense annotations on oligonucleotides	Web			●
Insert HELM or FASTA string using the Text Tab	Web			●

Chemical Intelligence	Platform	ChemDraw Prime	ChemDraw Professional	Signals ChemDraw
Analyze/Check Structures	Win/Mac	●	●	●
Calculate MW	Win/Mac	●	●	●
Analyze/Check Structures	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	●	●	●
Mass Fragmentation Tools	Win/Mac	●	●	●
Thin Layer Chromatography Tool	Win/Mac	●	●	●
Gel Electrophoresis Tool	Win/Mac	●	●	●
tPSA	Win/Mac	●	●	●
pKa / Log P / Log S	Win	●	●	●
cLogP	Win/Mac		●	●
Predict <sup>1</sup> H NMR	Win/Mac		●	●
Predict <sup>13</sup> C NMR	Win/Mac		●	●
Reaction Stoichiometry Grid	Win/Mac		●	●
Name-to-Structure / Structure-to-Name conversion	Win/Mac/Web		●	●





























































Find, Manage & Reuse Chemical Drawings	Platform	ChemDraw Prime	ChemDraw Professional	Signals ChemDraw
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			●
Structure-searching inside Cloud-hosted MS Office documents	Win/Mac			●
Searching across Signals Notebook Experiments	Win/Mac			●
Browse .mol & .sdf Files	Win/Mac			●
Copy Embedded Chemical Structures to the Clipboard	Win/Mac			●
Create Collection of Chemical Structures	Win/Mac			●
Create Collection of Reactions from Signals Notebook Experiments	Win/Mac			●
Create a collection from .csv files	Win/Mac			●
Create collection from SMILES text file	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			●
Create PowerPoint Reaction Report Slide from Signals Notebook Experiments	Win/Mac			●
Create PowerPoint Molecule Report Slide from Collection	Win/Mac			●
Export Collections to SD Files (v2000, v3000)	Win/Mac			●
Add Notebook	Web			●
Trashing & Restoring Notebooks	Web			●
File organization with Notebooks & Favorites	Web			●

Integration with Scientific Resources	Platform	ChemDraw Prime	ChemDraw Professional	Signals ChemDraw
CAS RN to Structure from ChemACX.com	Win/Mac		●	●
Search CAS SciFinder®	Win/Mac		●	●
Search Elsevier Reaxys™	Win/Mac		●	●
ChemACX Explorer	Win/Mac			●
Google Patents/Scholar Add-in	Win/Mac			●
PubChem GHS Safety Add-in	Win/Mac			●
ChemDraw Add-ins SDK	Win/Mac			●






ChemDraw Add-ins Dynamic Download	Win/Mac			
Save to Signals	Win/Mac/Web			
Open from Signals	Win/Mac/Web			
Launch Signals applications	Win/Mac/Web			

Chemistry Without Borders	Platform	ChemDraw Prime	ChemDraw Professional	Signals ChemDraw
Read and Save as ChemDraw .cdx / .cdxml Files	Win/Mac			
Read and Save as ISIS Reaction .rxn Files (v2000, v3000)	Win/Mac			
Read and Save as ISIS Sketch .skc Files	Win/Mac			
Read and Save as MDL .mol Files (v2000, v3000)	Win/Mac			
Read and Save as MDL .sdf Files (v2000, v3000)	Win/Mac			
Read and Save as MDL .rdf Files (v2000, v3000)	Win/Mac			
Read Crystallographic Information Files (CIF)	Win/Mac			
Save as image GIF, JPEG, BMP, PNG, TIFF	Win/Mac			
Save as Scalable Vector Graphics (SVG)	Win/Mac			
Save as Encapsulated Post Script (EPS)	Win/Mac			
Copy/Paste as CDXML	Win/Mac			
Copy/Paste as Mol File / Mol3000	Win/Mac			
Copy/Paste as SMILES	Win/Mac			
Copy/Paste as SYBYL (SLN)	Win/Mac			
Copy/Paste as InChI	Win/Mac			
Copy ChemDraw Structures as OLE Object	Win			
Insert OLE Object in ChemDraw	Win			
Copy/Paste as HELM	Win/Mac			
Copy/Paste as FASTA Peptide	Win/Mac			
Copy/Paste as FASTA DNA/RNA	Win/Mac			
View .sdf Files properties	Win/Mac			
Copy as 3D-printable Object (.3MF)	Win/Mac			
Save as 3D-printable object (.3MF)				

Benefits of SaaS for Users and IT	Platform	ChemDraw Prime	ChemDraw Professional	Signals ChemDraw
License Management & Authentication via Signals	Win/Mac/Web			●
Automatic Updates	Win/Mac/Web			●
Secured access anytime, anywhere from a web browser	Web			●
Scalability and Cost efficiency	Web			●
Maintenance by service provider	Web			●

Applications	Platform	ChemDraw Prime	ChemDraw Professional	Signals ChemDraw
ChemDraw+	Web			●
Dashboard	Web			●
View Recents & Favorites	Web			●
Create a new Drawing from a Style Sheet	Web			●
File organization with Notebooks & Favorites	Web			●
List Views	Web			●
Drawings	Web			●
Notebooks	Web			●
Favorites	Web			●
Trash & Untrash Drawings	Web			●
Edit Drawings in a ChemDraw web editor	Web			●
Duplicate a Drawing	Web			●
Rename a Drawing	Web			●
Download cdxml drawing	Web			●
Round Trip editing to ChemDraw Desktop	Web			●
Favorite a Drawing	Web			●
Draw biopolymer sequences using ChemDraw+ HELM editor	Web			●
Draw with centralized monomer libraries from Pistoia Alliance & Signals	Web			●
Draw with centralized custom monomer libraries	Web			●

Add Favorite monomers (peptides, RNA/DNA, Chem, Blob)	Web			●
Insert HELM or FASTA string using the Text Tab	Web			●
Filter libraries using text based search & peptide filters	Web			●
Insert Monomers to the Right or Left in a sequence	Web			●
Replace a monomer in a sequence	Win			●
<b>ChemDraw for Excel</b>	Win		●	●
CombiChem for Excel	Win		●	●
Name-to-Structure / Structure-to-Name for ChemDraw for Excel	Win		●	●
ClogP/CMR for ChemDraw for Excel	Win		●	●
Molecular Networks (pKa/Log P/Log S) for ChemDraw for Excel	Win		●	●
Molecular Topology for Chem Draw for Excel	Win		●	●
ChemProp Std Properties for Chem Draw for Excel	Win		●	●
ChemProp Pro Properties for ChemDraw for Excel/Chem3D	Win			●
<b>Chem3D Professional</b>	Win		●	●
ClogP/CMR for ChemDraw for Chem3D	Win		●	●
Molecular Networks (pKa/Log P/Log S) for ChemDraw for Chem 3D	Win		●	●
Molecular Topology for Chem Draw for Chem 3D	Win		●	●
ChemProp Std Properties for Chem Draw for Chem 3D	Win		●	●
<b>Chem3D Ultra</b>	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			●
ChemProp Pro Properties for ChemDraw for Chem3D	Win			●
<b>ChemFinder Standard</b>	Win		●	●
<b>ChemFinder Ultra</b>	Win			●
ChemFinder for Oracle	Win			●

Explorer Window View in ChemFinder Ultra	Win			
BioViz in ChemFinder Ultra	Win			
Compound Profiles in ChemFinder Ultra	Win			
Clustering in ChemFinder Ultra	Win			
Combine ChemFinder Query Hit Lists	Win			
ChemFinder Exports to MS Word/Excel	Win			
<b>ChemScript</b>	Win			

\*ChemDraw+ is the new web-based ChemDraw application

\*\*ChemDraw Collections is a cloud-native application that is automatically updated quarterly

\*\*\*HELM Curation is a web-based application for the curation of centralized monomer libraries for use in the HELM editor in ChemDraw+ and Signals



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