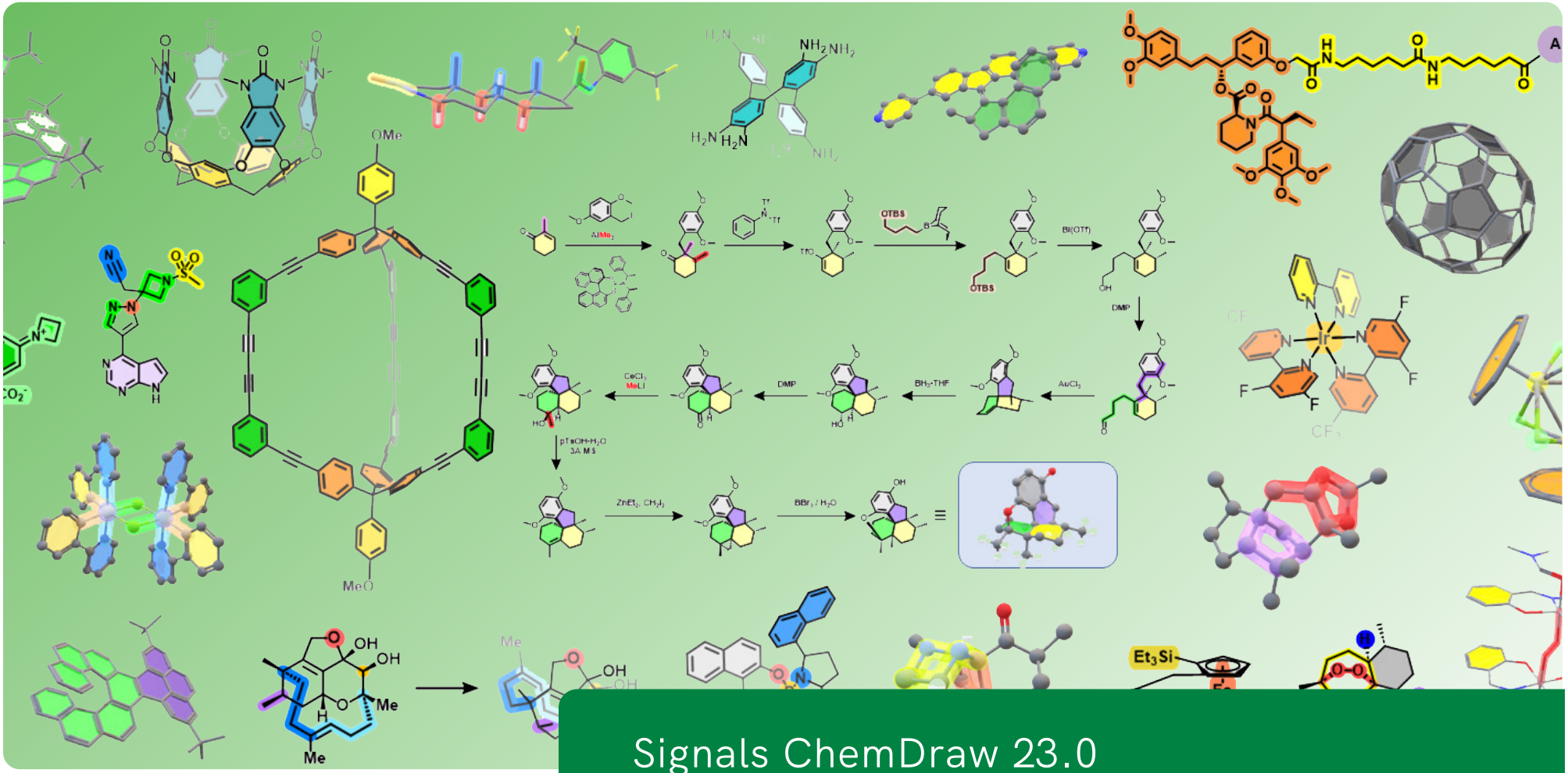
DATA SHEET

Signals **ChemDraw**



Signals ChemDraw 23.0

SUITE OF PRODUCTS

The ChemDraw 23 release delivers streamlined desktop and cloud offerings. Signals ChemDraw will provide full access to ChemDraw desktop applications, as well as the new Cloud-native ChemDraw applications within the new Signals ecosystem.

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Version 23.0 NEW FEATURES	Platform	ChemDraw Prime	ChemDraw Professional	Signals ChemDraw
Dark Mode Style Sheet	win/mac	⬢	⬢	⬢
Atropisomer perception	win/mac	⬢	⬢	⬢
Ignore Top Level Chiral flag	win/mac	⬢	⬢	⬢
Smart Paste (no overlapping on paste actions)	win/mac	⬢	⬢	⬢
Hydrogen Bonding in 3D cleanup	win/mac		⬢	⬢
Hydrogen Bonding support in 3MF	win/mac			⬢
License Management & Authentication via Signals	win/mac			⬢
Automatic Update	win/mac			⬢
Save to Signals	win/mac			⬢
Open from Signals	win/mac			⬢
Launch Signals applications	win/mac			⬢
ChemDraw+*	Web			⬢
ChemDraw Collections**	win/mac			⬢
HELM Curation***	Web			⬢
ChemDraw+	**Platform**	**ChemDraw Prime**	**ChemDraw Professional**	**Signals ChemDraw**
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	Web			●
HELM Curation Application (New for 23)	**Platform**	**ChemDraw Prime**	**ChemDraw Professional**	**Signals ChemDraw**
Browse Monomer Libraries	Web			●
Inspect Monomer Details	Web			●
Deprecate/Restore Monomers	Web			●
Bulk Import Custom Monomer Libraries	Web			●
Bulk Import Reports	Web			●
ChemDraw Collections (Formerly ChemOffice+)	**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			●
Create a collection from .csv files	Win/Mac			●
Create collection from SMILES text file	Win/Mac			●
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**	**Signals ChemDraw**
Magic Hotkeys Enhancements	Win/Mac	●	●	●
Shortcuts Enhancements	Win/Mac	●	●	●
Join function improvements	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	●	●	●
Hydrogen Bond Tool	Win/Mac	●	●	●
Open CIF Files	Win/Mac	●	●	●
Atom/Bond Color Highlighting	Win/Mac		●	●
Ring-Fill Coloring	Win/Mac		●	●
Search into SciFinder-n	Win/Mac		●	●
Search into Reaxys	Win/Mac		●	●
Improved HELM Monomer Toolbar	Win/Mac		●	●
HELM Monomer Versioning Support	Win/Mac		●	●

HELM Cartoon Representation	Win/Mac		●	●
Support for ambiguous FASTA/HELM Monomers	Win/Mac		●	●
Copy as 3D-printable Object (.3MF)**	Win/Mac			●
Atom/Bond Color Highlight & Ring Fill transfer to 3MF	Win/Mac			●
Google Patents/Scholar Add-in	Win/Mac			●
PubChem GHS Safety Add-in	Win/Mac			●
MilliporeSigma Synthia Add-in (requires Synthia subscription)	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**	**Signals ChemDraw**
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	●	●	●
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	●	●	●
Multiple ChemDraw Items Folder	Win/Mac	●	●	●
Multicenter Attachments	Win/Mac	●	●	●
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		●	●
ClogP/CMR for ChemDraw for Excel/Chem3D	Win		●	●
Molecular Networks (pKa/Log P/Log S) for ChemDraw for Excel/ Chem 3D	Win		●	●
Molecular Topology for Chem Draw for Excel/Chem 3D	Win		●	●
ChemProp Std Properties for Chem Draw for Excel/Chem 3D	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			●
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 ChemFinder Ultra	Win			●
Clustering in ChemFinder Ultra	Win			●
Combine ChemFinder Query Hit Lists	Win			●
ChemFinder Exports to MS Word/Excel	Win			●
ChemProp Pro Properties for ChemDraw for Excel/Chem3D	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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