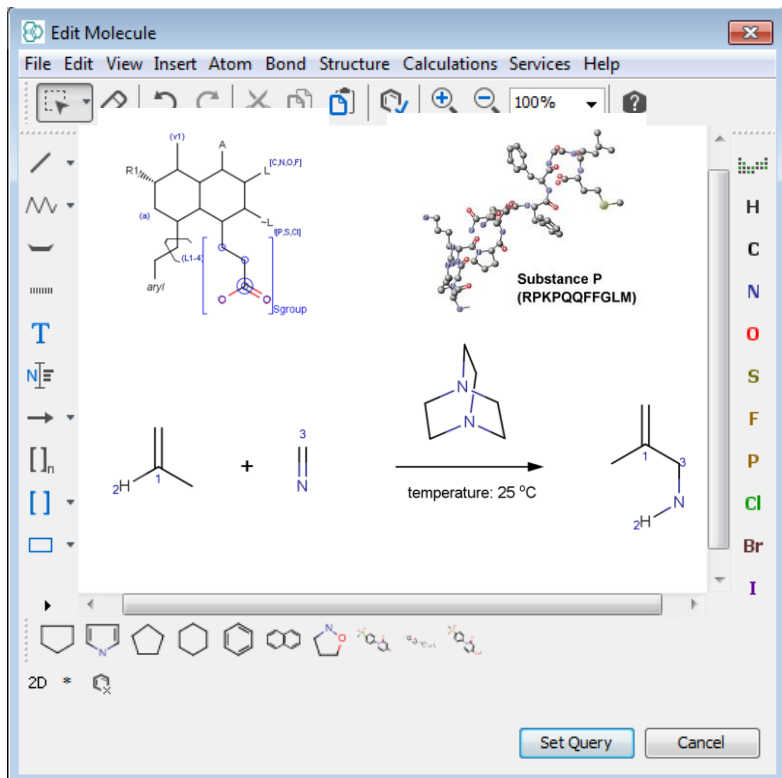


# MARVIN JS

THE CHEMICALLY INTELLIGENT WEB COMPONENT FOR DRAWING

# MarvinSketch

Quality drawing on desktop



# Marvin Applet

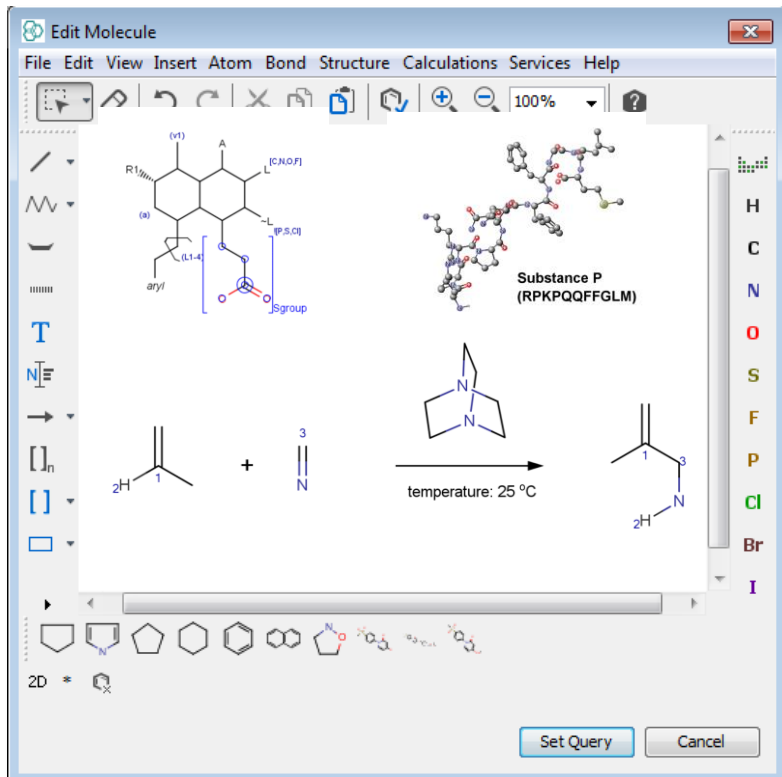
Browser drawing component



**Is discontinued from version 17.6.**  
**Support stops from 1<sup>st</sup> of May 2018**

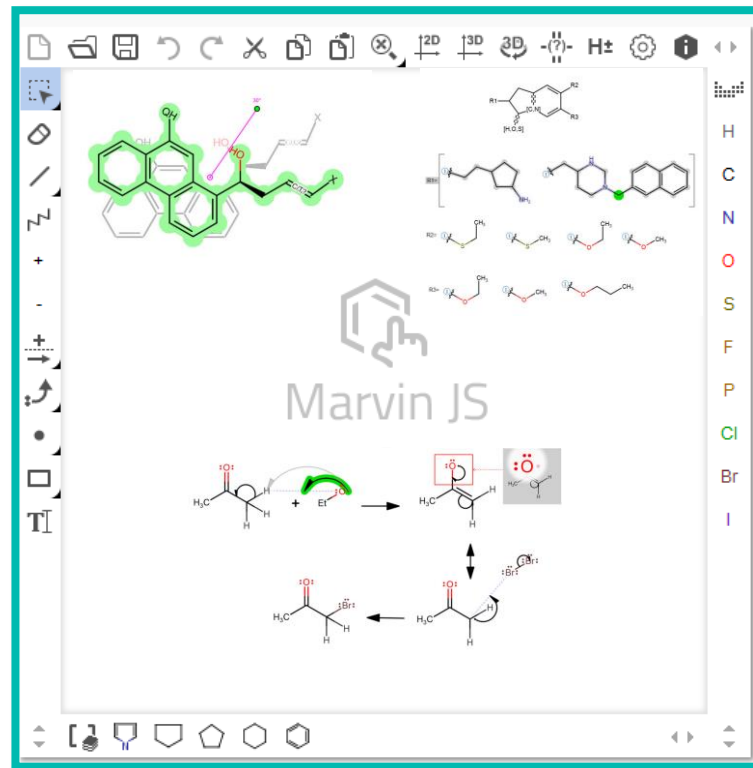
# MarvinSketch

Quality drawing on desktop



# Marvin JS

Browser drawing component



# Marvin JS

Chemistry Education

Web**Assign**.



**REAXYS**  
INSPIRING CHEMISTRY



PEARSON

MasteringChemistry®

 uOttawa

 rganic  
NO<sub>2</sub>menclature  
*Name it + Draw it → Master it*

 UNIVERSITY OF  
CHEMISTRY AND TECHNOLOGY  
PRAGUE

Homework  
and test preparation



**ACE** *Organic*

**WILEY**

Concept Mastery  
Reaction Explorer  
End of  
Chapter/Testbank



**smartwork5**

 ChemAxon

Marvin JS 



MolPort 

SCHRÖDINGER®



 ChemAxon



# FREEHAND DRAWING

The fast way to create structures

Marvin JS  
by ChemAxon

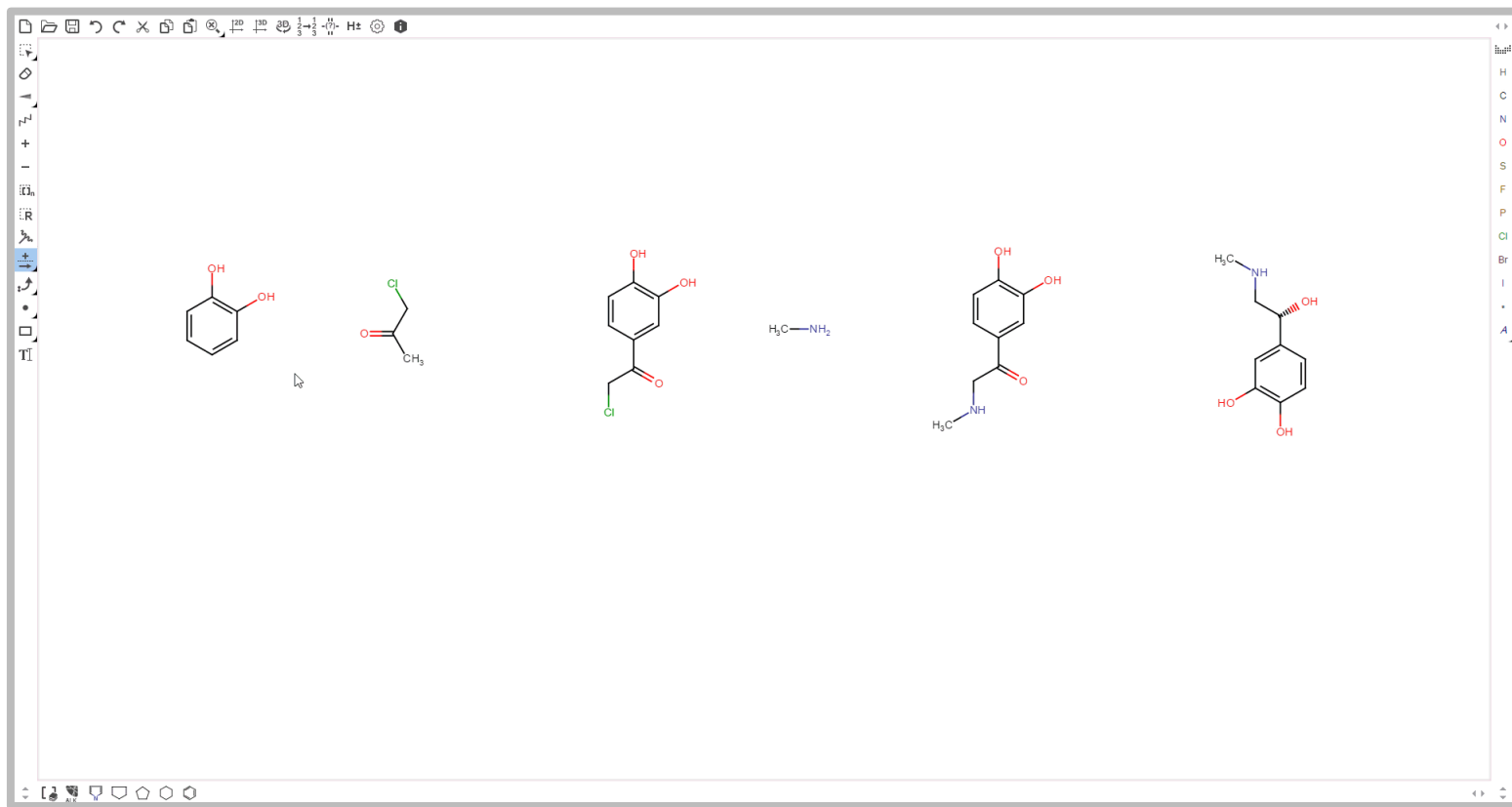
H  
C  
N  
O  
S  
F  
P  
Cl  
Br  
I  
A



# SMART REACTION TOOL

Everything you need just one tool away

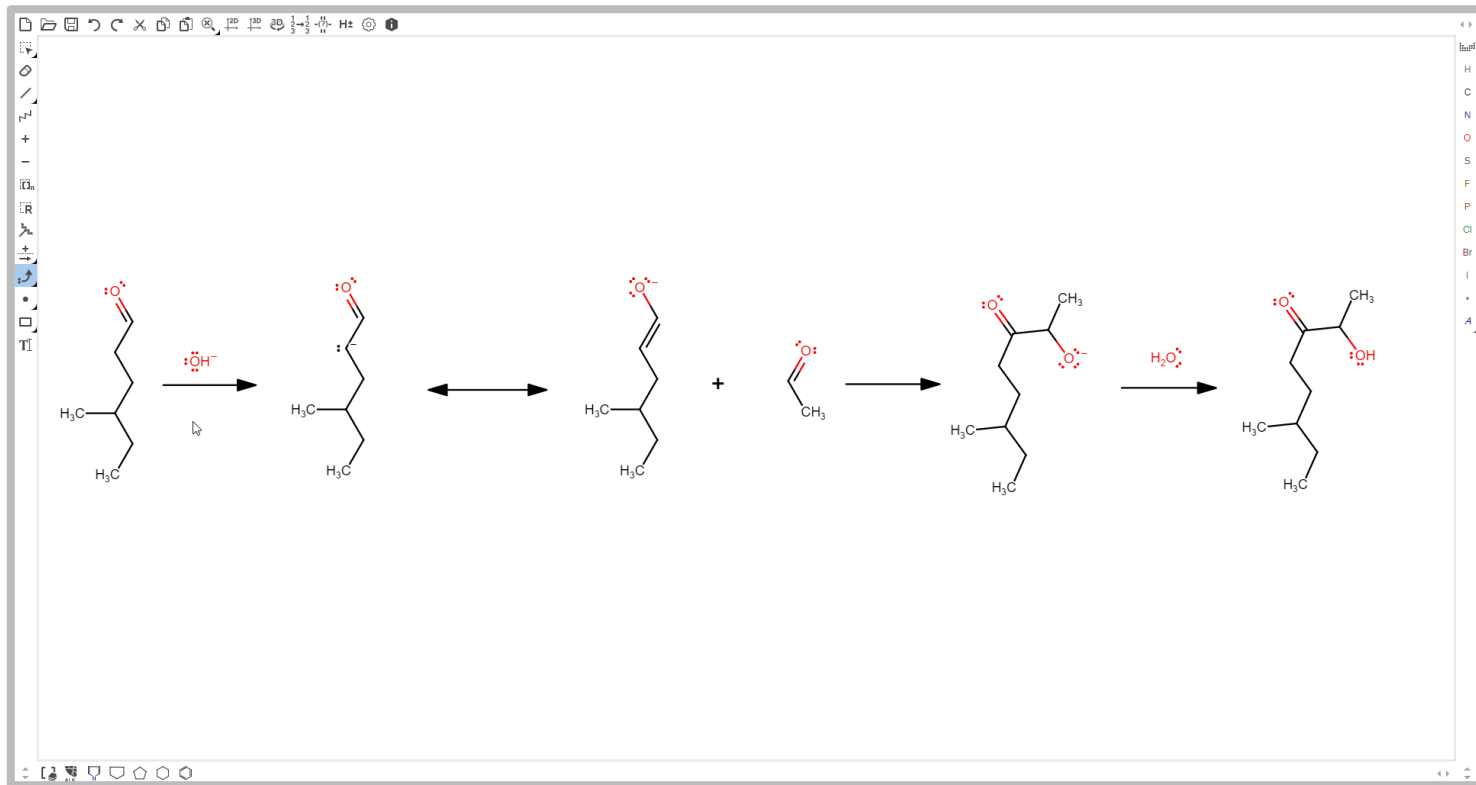






# CURVED ARROWS

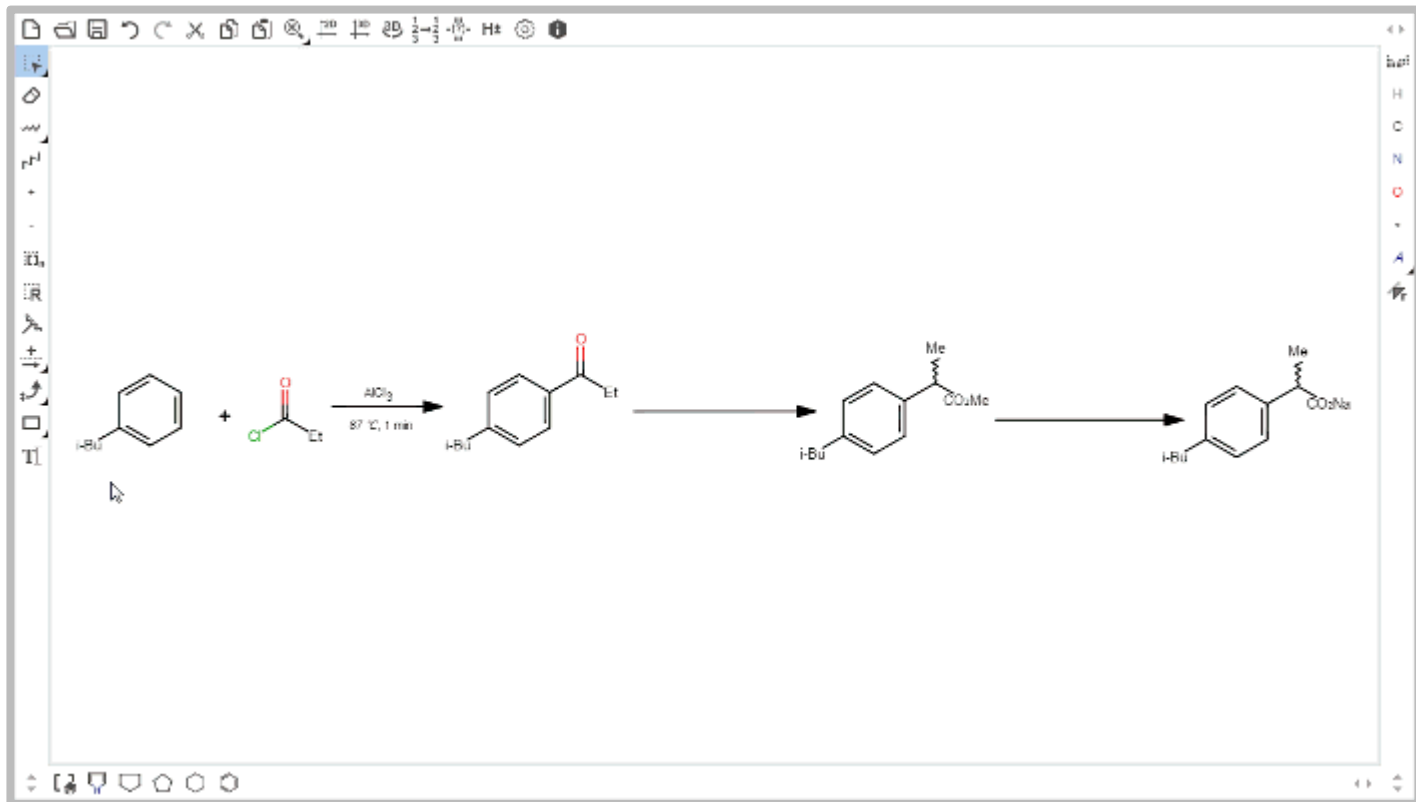
Easy representation of reaction mechanisms





# BUILT-IN TEXT EDITOR

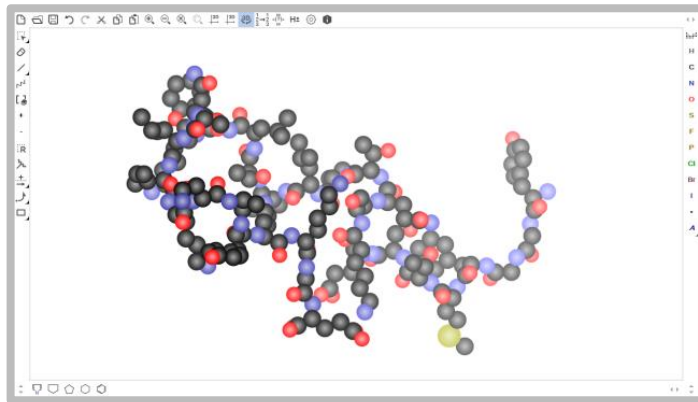
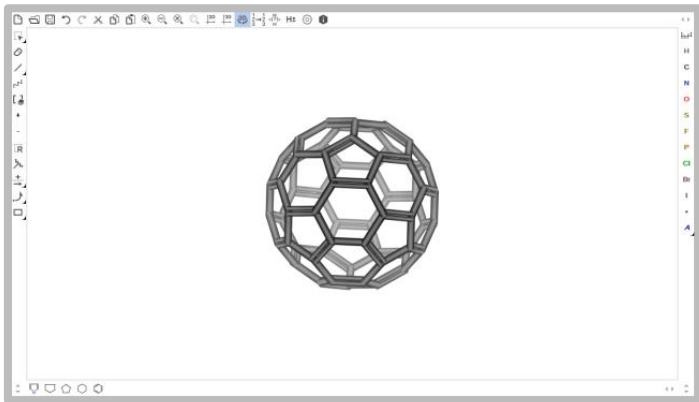
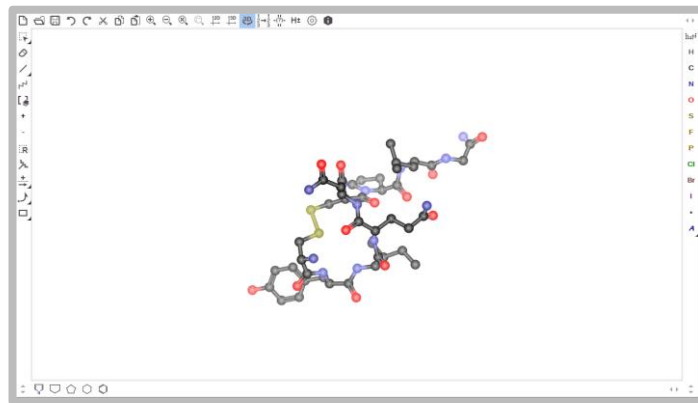
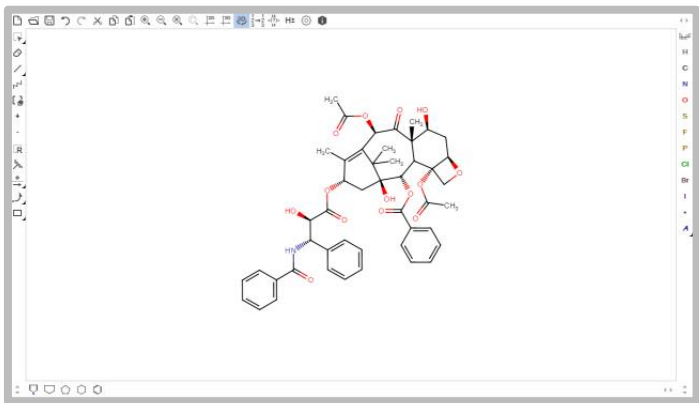
To add compound names, reaction conditions





# VISUALIZATION

Several visualization options to display structures

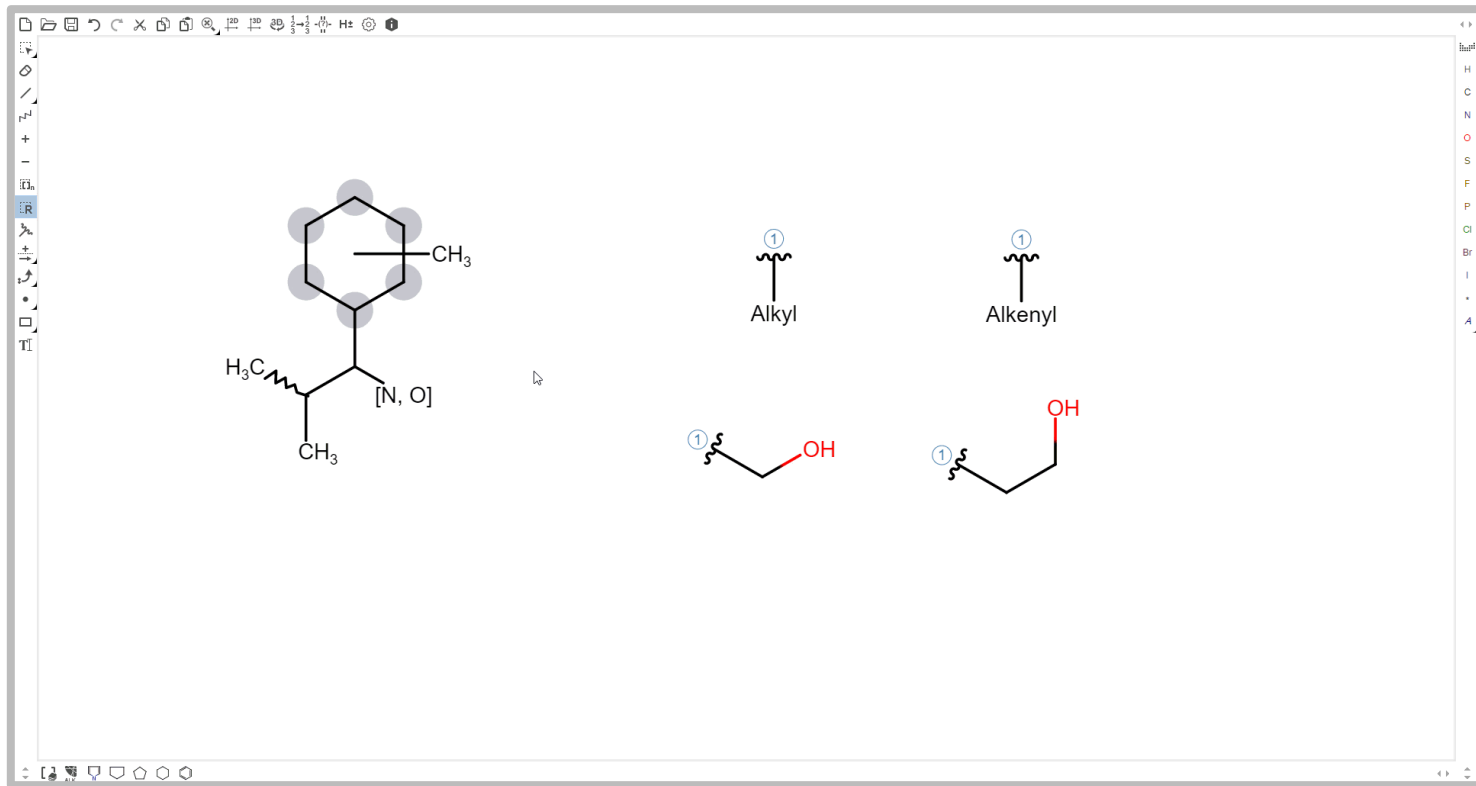




# QUERY TOOLS

Wide range of tools for search and Markush representation

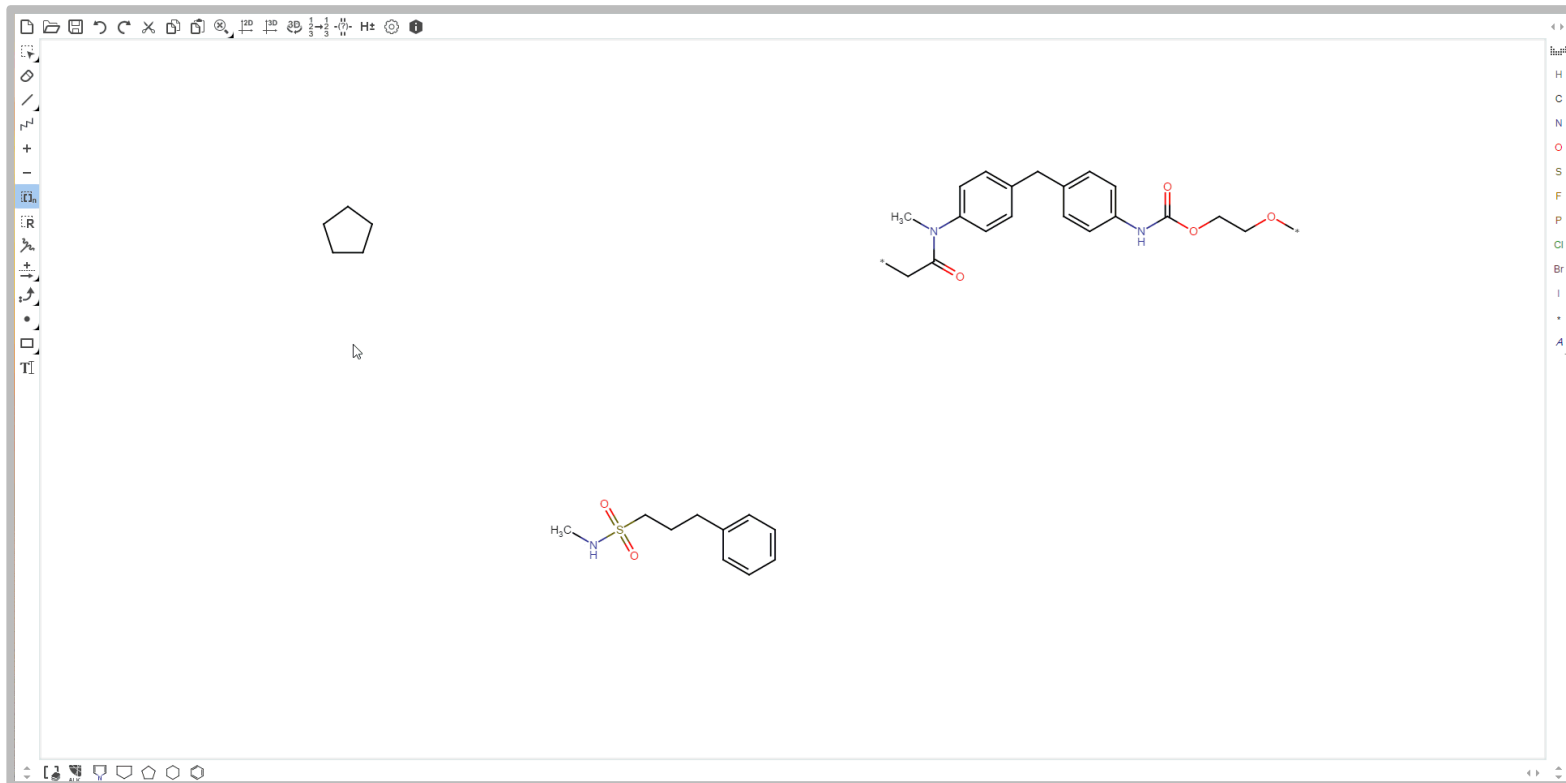






# GROUP TOOL

For drawing polymers and repeating units

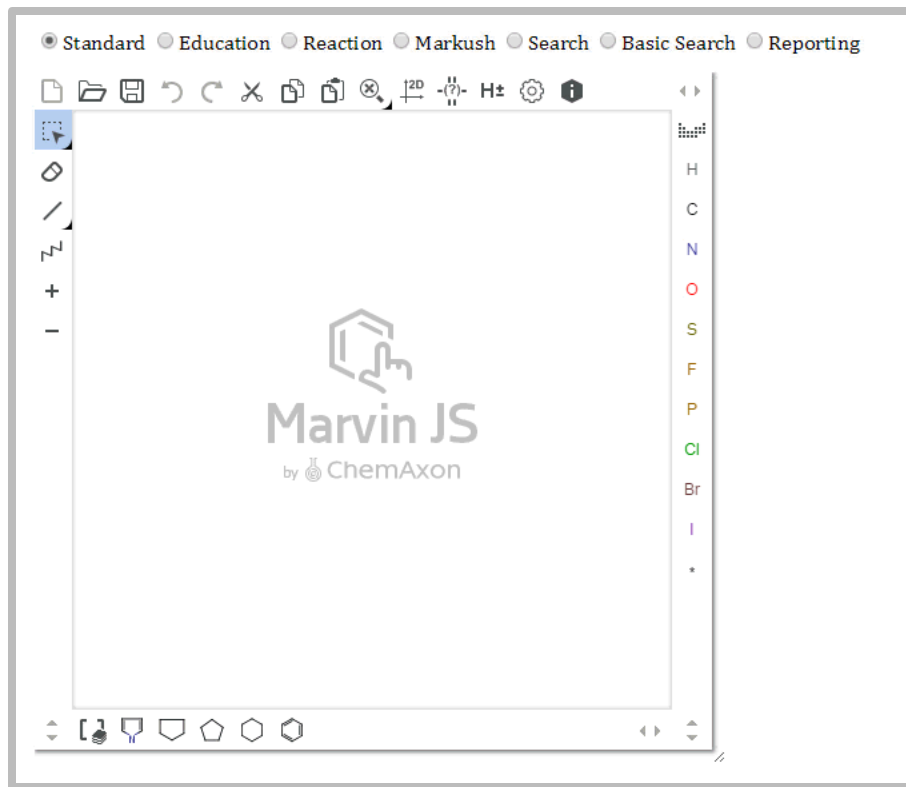




# API FOR SEAMLESS INTEGRATION AND CUSTOMIZATION

Express your style 😊

# Toolbar presets

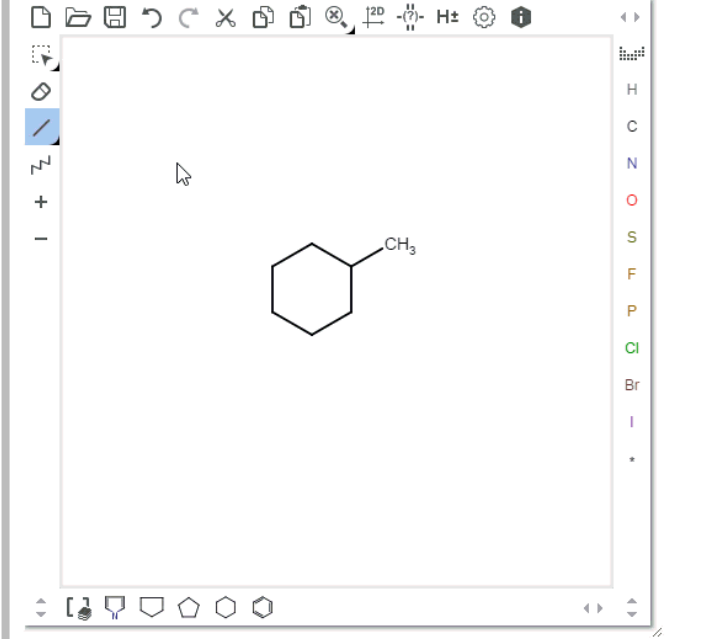


# Custom items

*(buttons, templates, abbreviations)*




The screenshot displays the Marvin JS software interface, which is used for chemical structure editing and visualization. The main window shows a chemical structure of a peptide backbone with a methyl group (CH<sub>3</sub>) and a carbonyl group (C=O). A green circle highlights a specific atom in the structure, and a red arrow points to it. A dialog box titled "Abbreviated groups" is open, showing the text "Custom AA" in a text input field. The dialog also includes an "Expand" checkbox and an "OK" button. The interface includes a toolbar with various icons for file operations, editing, and viewing. The Marvin JS logo and "by ChemAxon" text are visible in the background.

# Integration with web services



The screenshot displays the ChemAxon software interface. At the top, there is a standard Windows-style toolbar with icons for file operations (save, open, print) and editing (undo, redo, delete). The main workspace is a large white area containing a chemical structure of methylcyclohexane, represented as a hexagon with a  $\text{CH}_3$  group attached to one of its vertices. A mouse cursor is positioned over the structure. To the right of the workspace is a vertical toolbar with buttons for adding atoms: H, C, N, O, S, F, P, Cl, Br, I, and a plus sign for more options. Below the workspace is another toolbar with icons for zooming and navigating between different chemical structures (cyclohexane, cyclopentane, cyclobutane, cyclopropane, benzene). Below the workspace is a panel titled "Structure Checker configuration" with three checked options: "Bond Length" (yellow), "Bond Angle" (red), and "Atom Map" (purple). Each option has a "description" link. Below this is a section titled "Structure Errors" which is currently empty.

**Structure Checker configuration**

- Bond Length  [description](#)
- Bond Angle  [description](#)
- Atom Map  [description](#)

**Structure Errors**

ChemAxon's web drawing solution is

Marvin JS



Marvin Applet is discontinued





THANK YOU