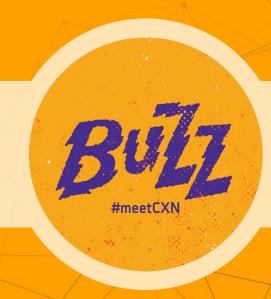


Efi Hoffmann

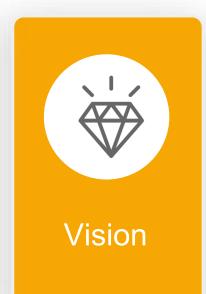


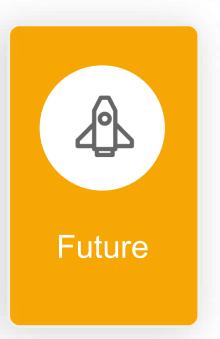
MARVIN

Chemical Drawing with ChemAxon's Tools











MARVINSKETCH: DRAWING ON DESKTOP



WHERE CAN YOU USE IT?

Platforms







Java





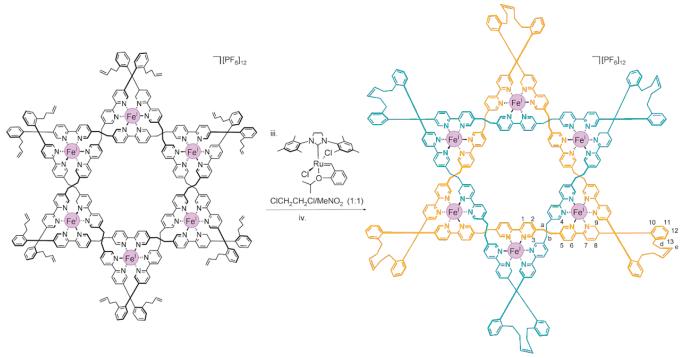




What can you use it for?

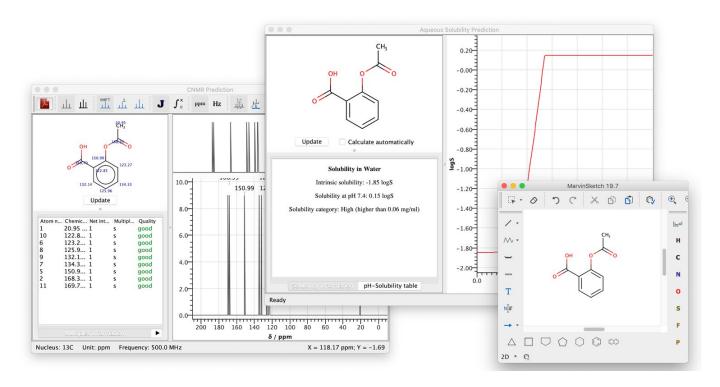


PUBLICATIONS





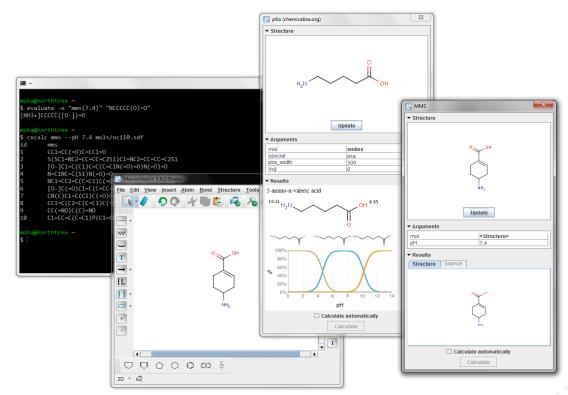
INTEGRATED CALCULATIONS & CHECKERS





CUSTOM SOLUTIONS

Templates
User Interface
Checkers
Naming library
Calculations







MARVINSKETCH PLANS 2019

Critical/annoying bugs will be fixed.

Minor improvements might be considered.



MARVIN JS: THE CHEMICAL DRAWING WEB COMPONENT



MARVIN JS



Major browsers supported







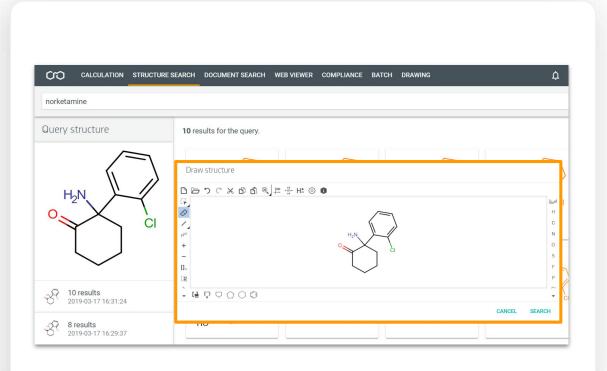




What can you use it for?



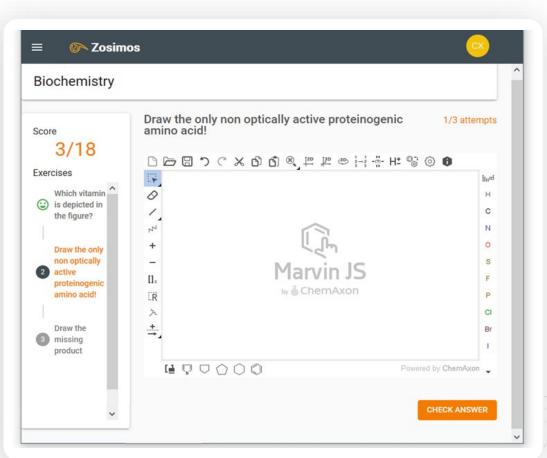
INTERFACE FOR CHEMICAL SEARCH & CALCULATIONS



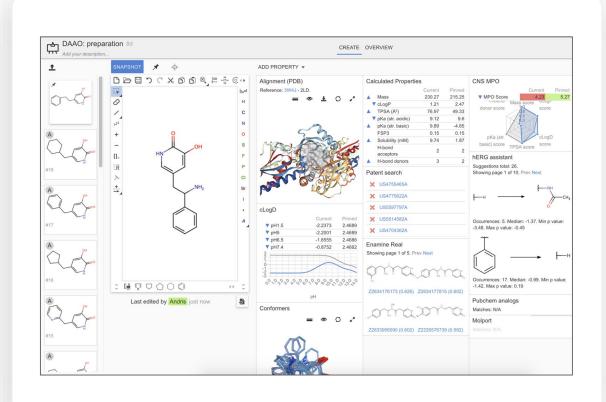


EDUCATION





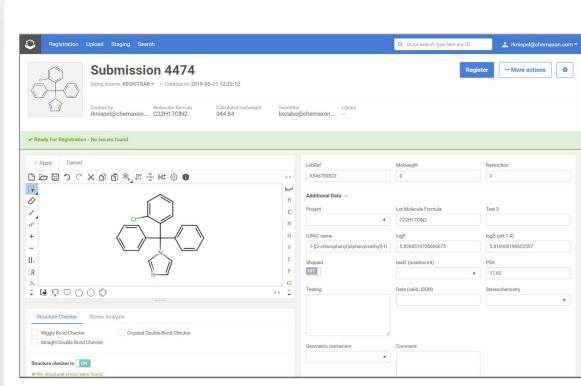
IDEA MANAGEMENT





ELN, REGISTRATION, INVENTORY







MARVIN JS PLANS 2019

Accessibility improvements

Structure Checker integration

Oligopeptides support, more S-groups



THE FUTURE OF MARVIN

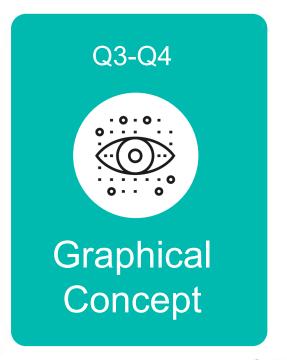
Web-based chemical editor component which is capable of drawing big syntheses schemes, can be easily extended with other modules and can be seamlessly integrated to ChemAxon's and other vendors' products.



MARVIN_NG PROJECT

Q1 Architectural Concept

Q2 Chemical Model





Objective

Review of structure drawing concept



High-risk factors to consider feasibility

Movable charge/map
Handling separate molecules on canvas
(formula/absolute label)
Intuitive drawing

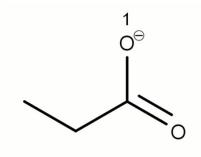


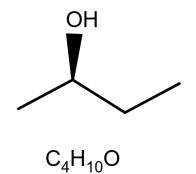
Outcome

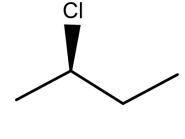
Chemical Model Concept



EXAMPLE















Objective

Publication quality elements



High-risk factors to consider feasibility

Picture on canvas

Graphical objects

Chemical structure formatting:

Coloring atoms, bonds

Setting atom fonts, bond properties

Page settings



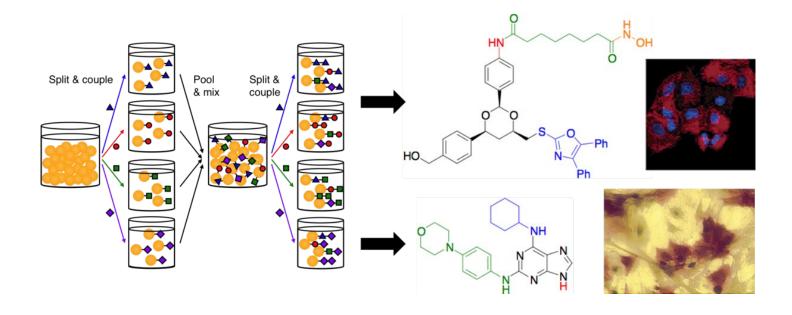
Outcome

Graphical Model Concept





EXAMPLE









Objective

Reaction scheme drawing



High-risk factors to consider feasibility

Graphical grouping
Structure-Image grouping
Scale, move, align groups together
Performance



Outcome

Graphical Model Concept



EXAMPLE





User interviews

Usability test

Workshops



"Coming together is a beginning.

Keeping together is progress.

Working together is success."

[Henry Ford]





Thank you

