



anniversary

Serving drug discovery with cutting-edge software



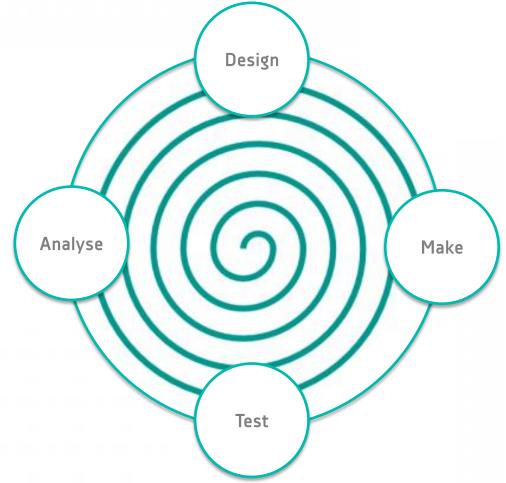
Akos Tarcsay Senior Application Scientist 10-10-2018

Certara-ChemAxon synchrony for seamless analysis and design

Drug discovery Design Analyse Make Test

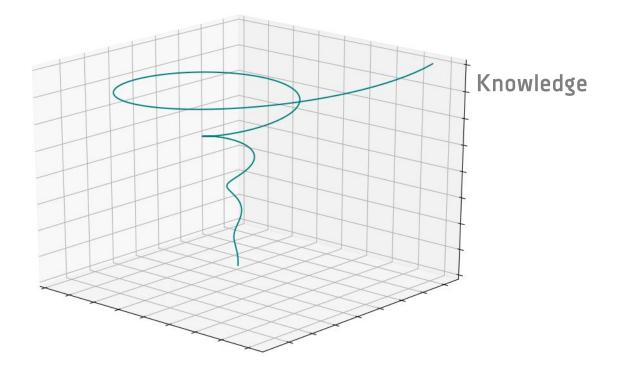


Drug discovery





Drug discovery







CLIMATE

SEARCH FOR HIDDEN HEAT

Pacific holds key to global-warming hiatus PAGE 276 SUSTAINABILITY

TIME TO DITCH THE GDP

Future depends on better measures of national wealth PAGE 283 PUBLIC HEALTH

GENE TESTING FOR ALL

Too-cautious regulation will stifle progress PAGE286 ■ NATURE.COM/NATURE 16 January 2014 £10 Vol. 505, No. 7483







2D Design

Marvin Live

Seamless design

Service integration (CCFW) Idea management eDesign registration



2D Design

Marvin Live

Virtual Reg.

eDesign DB

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Analysis

D360

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Consistent chemical backend

Standardization (Standardizer)
Structure check (Structure Checker)
Search (JChem Oracle Cartrdige)



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Report

JChem4Office

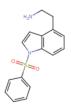
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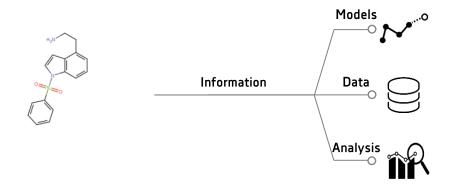
Standardization (Standardizer)
Structure check (Structure Checker)
Search (JChem Oracle Cartrdige)

Live structures in documents

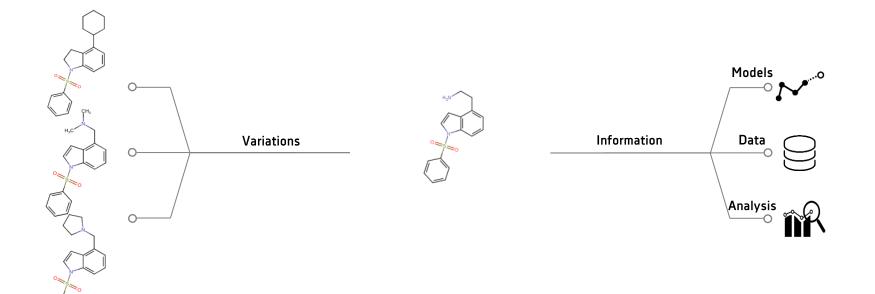




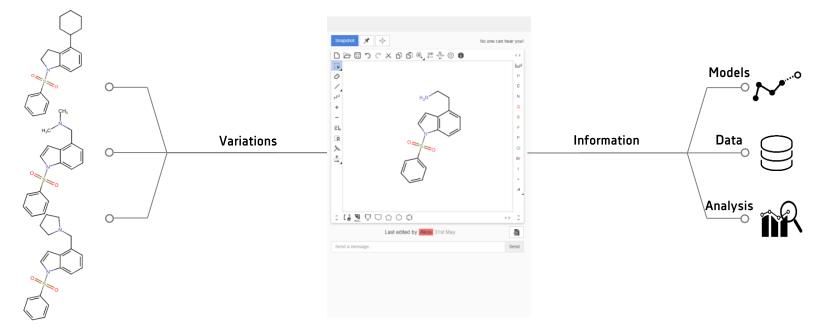






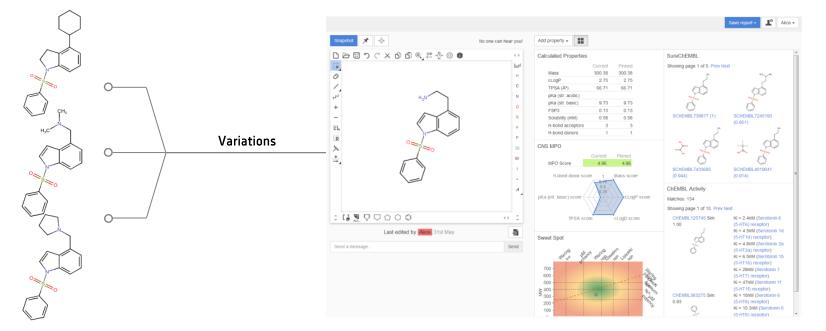






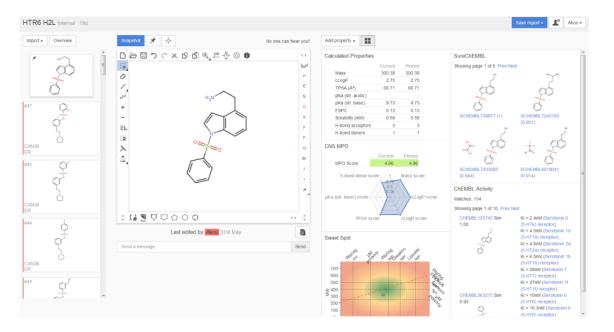
Brainstorming space





Plugin results





Idea repository

Brainstorming space

Plugin results



Plugin system



Service-agnostic

Easy to extend (REST, SQL, CLI)



Plugin system



Service-agnostic

Easy to extend (REST, SQL, CLI)



Real-time

As you draw



Plugin system



Service-agnostic

Easy to extend (REST, SQL, CLI)



Real-time

As you draw



Dynamic

Right amount of information



Real-time plugins

Mining

SciFinder

Reaxys

ChEMBL

SureChEMBL

Corporate assay DB

Legislations

Registration



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Exploring

Med. chem. descriptors

Predictive models

Conformations

Overlays

Similarities

Charts

KNIME workflows

PP protocols

Ligand preparation



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Planning

Reactions

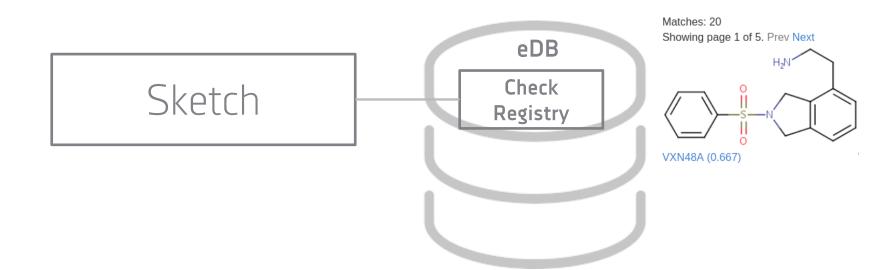
Inventory

Supplier catalogs

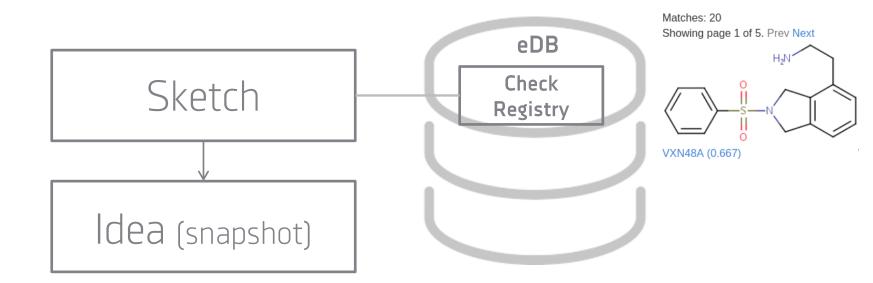


Sketch

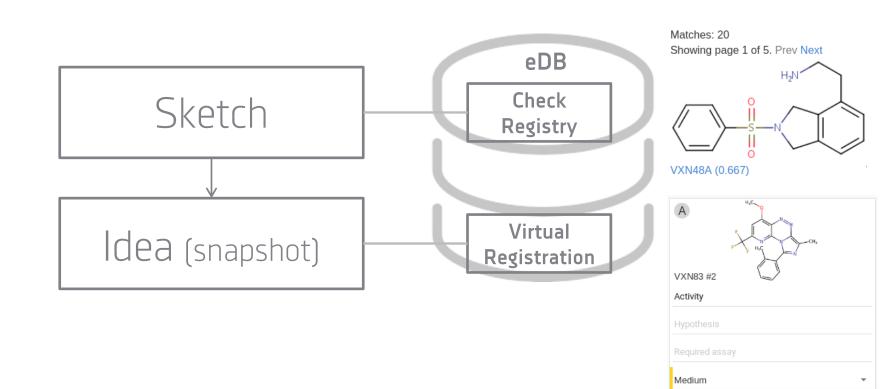




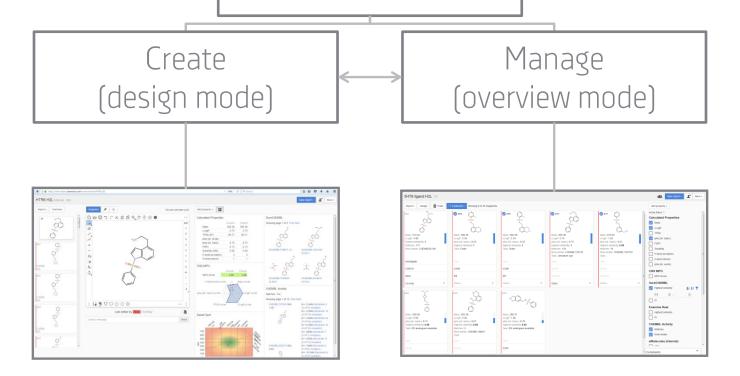








Marvin Live





Standardizer for consistency



JChem: database engine for chemistry

Manage chemical information without compromise

full structure, substructure, superstructure and duplicate matching

variable similarity searching including reaction similarity registration and searching of polymers, mixtures and formulations

generic query atoms

various query properties supported

full SMARTS support including recursive SMARTS

R-group query expressions

reaction queries, including reaction mapping, reaction query features

stereo specific structure and reaction specifications

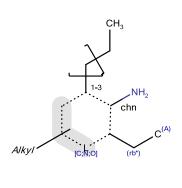
structure canonicalization

chemical terms support different types of tautomer search



JChem: database engine for chemistry





a query structure

a Markush structure



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THANK YOU

