

FINDING THE BEST SYNTHETIC STRATEGY

AI-Driven Retrosynthesis Platform

From target compounds to commercial starting materials in seconds

Spaya / Spaya API suite, a unique and proprietary technology to explore synthetic routes

About Spaya

Powered by Iktos's proprietary retrosynthetic analysis AI, Spaya performs an exhaustive analysis of all possible synthetic routes for a given compound and ranks them according to various metrics, including the synthetic accessibility.

2,000+

Name reactions

61 M

Building blocks

35+

Providers

EASY INTERFACE



Fastest platform on the market



Friendly and collaborative user interface



Customizable advanced synthesis constraints

UNIQUE TECHNOLOGY



Data-driven technology



Proprietary synthetic feasibility score



Available through an API for high throughput scoring

Contact Us



 contact@iktos.com

iktos^{AI} 

OUR TECHNOLOGY



A template-based neural network trained on 6M patented organic reactions



Protection and deprotection strategies enable chemo-selectivity



A neural network predicts the most probable **regioisomer**



Monte Carlo Tree Search algorithm quickly propagates retrosynthesis routes back to commercially available compounds



Stereocenters are taken from chiral building blocks applying chiral pool approach



A **proprietary scoring function** to rank the final selected routes

Millions of molecules to assess at the same time?

SPAYA API is here for you.

Customize Spaya with your data

In a couple of weeks, Spaya can be retrained with your proprietary *reaction data*, *building blocks*, and *preferred vendors*!

PARTNERS

eMolecules



And others...



MolPort

