Sigma-Aldrich®
Lab & Production Materials

MERCK

AIDDISON™ + SYNTHIA™ Software Integration

YOUR COMPLETE DRUG DESIGN TOOLKIT

Discover, optimize, and synthesize novel molecules in an integrated software ecosystem. AIDDISON™'s generative AI for de novo design meets SYNTHIA™'s retrosynthesis prowess, bridging the gap between virtual concepts and real-world chemistry.

From Prediction to Pre-Clinical

Enhance your drug discovery workflows with seamless software solutions from target identification to synthesis, with the ability to quickly source starting materials from Sigma-Aldrich's world-class catalogs.

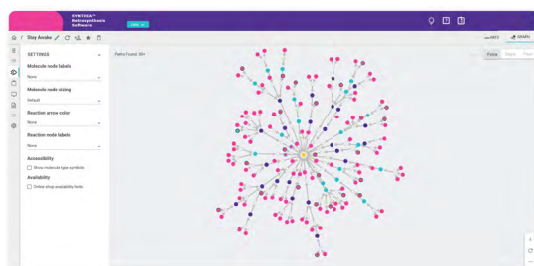**Lead Identification** · · · · **Lead Optimization** · · · · **Retrosynthesis Planning** · · · · **Optimization & Scale-Up**

AIDDISON™ Software | **SYNTHIA™ Software**

Leveraging over 20 years of pharmaceutical research data, the AI-powered **AIDDISON™ platform** combines generative design, predictive insights, and 3D modeling in a turnkey solution for accelerated drug discovery.

- **Generate ideas** with rapid in silico screening of vast chemical databases and de novo design.
- **Optimize results** for synthesizability and ADMET properties with real-world ML models.
- **Evaluate and prioritize hits** with advanced data visualization and molecular binding tools.

Expert-coded by chemists and engineered by computer scientists, **SYNTHIA™ Retrosynthesis Software** allows scientists to quickly discover novel pathways for new and published target molecules.

- **Simplify route design** and quickly scan hundreds of pathways to find the best solution.
- **Reduce costs and save time** with the most cost-effective routes, state-of-the-art visualization and customization options meeting your project demands.
- **Generate new ideas and IP** by exploring unique and innovative syntheses for building your desired molecule.

Unlock your ingenuity and learn more about AIDDISON
See our webpage for further information, or contact us at aiddison@milliporesigma.com

Pioneer Your Pathway at SynthiaOnline.com

Information Security Management · ISO 27001 · Certified

The secure cloud infrastructure is ISO 27001-certified and scalable for cost-efficient, seamless access.