Lab & Production Materials



AIDDISON[™] AI-powered Drug Discovery

Boldly go where no chemist has gone before

AIDDISON[™] combines the power of artificial intelligence (AI) and computer-aided drug design (CADD) tools into a single integrated platform for virtual screening, scaffold hopping, hit identification, and lead optimization in medicinal chemistry. AIDDISON[™] uses generative methods and ML models trained on experimentally validated ADMET data to guide search in ultra-large chemical spaces and *de novo* design of "drug-like" and synthetically viable compounds.

AIDDISON[™] also encompasses SA-space[™], a synthetically accessible chemical space of approximately 25 billion virtual compounds built on the Sigma-Aldrich[®] catalog of molecules, that are readily available for purchase, and well-known, robust chemical transformation rules.





Unlock your ingenuity and learn more about AIDDISON™

See our webpage for further information, or contact us at aiddison@milliporesigma.com



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



The Life Science business of Merck operates as MilliporeSigma in the U.S. and Canada.

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