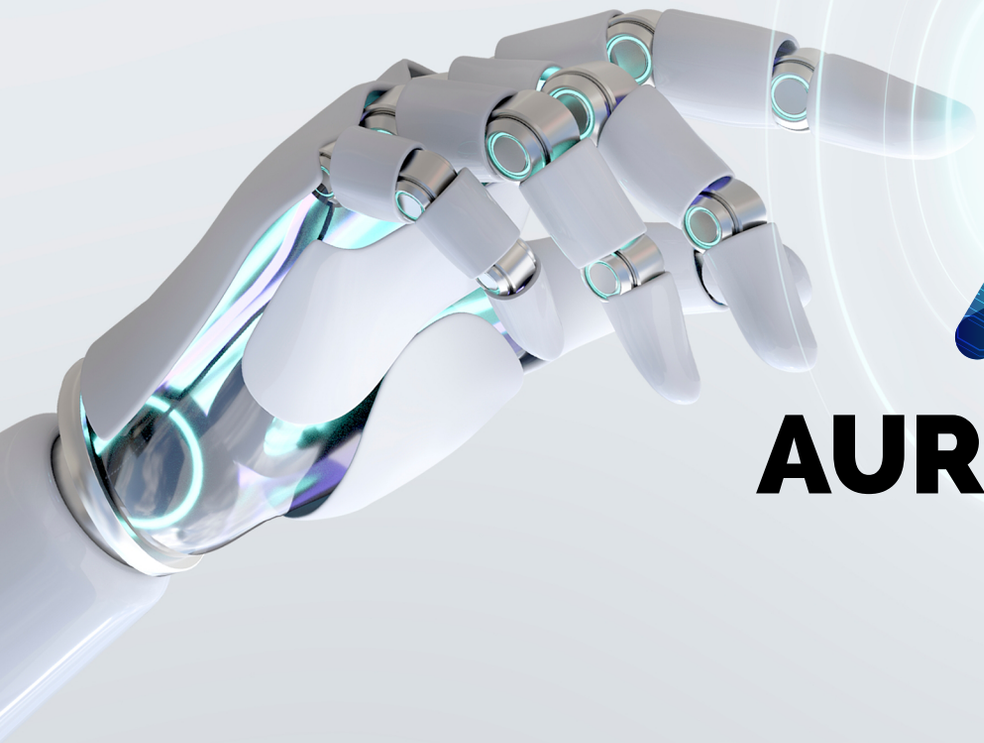
AURIGENE

PHARMACEUTICAL SERVICES



AURIGENE.AI™

AI-assisted Drug Discovery

Enabling and Accelerating Candidate Nomination

- Aurigene.AI: An AI-assisted drug discovery platform
- Aurimine: A virtual database comprising of 12+ billion compounds

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Key Capabilities

- Aurigene.AI consists of a **meticulously curated compound database,** which is ever-expanding using both in-house and public domain information.
- This database currently consists of **180 million compounds, and 1.6 million validated bioassay data points** and serves as a training data for the Aurigene.AI platform.
- This evolving platform consists of several **top-tier AI algorithms - 4 predictive, 11 generative and 8 CADD models.**
- This **modular platform enables** our scientific experts to cherry-pick the right set of AI models for a given application. The model output can help prioritize the chemical designs with appropriate properties, thereby leading to increased probability of success.
- We are well equipped to quickly synthesize and run a variety of experimental assessments both ***in-vitro*** **and** ***in-vivo***. The data output can be used for training the AI models to further improve the chemical design.
- The accuracy and reliability of the data output from Aurigene.AI results from an iterative DMTA cycle followed by training the AI models with generated data in real-time.

Top 5 reasons to partner with Aurigene.AI

1. Interpretable AI platform
2. Enables "fail fast and iterate faster" model
3. Scientific experts can cherry-pick the right set of AI models for a given application
4. Customizable and ever-expanding data base and algorithms
5. An end-to-end solution combining AI with Aurigene's core expertise in synthesizing and experimentally testing the molecules

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