X-CHEM
TAKE THE LEAD. DRIVE DISCOVERY.

HITMiner

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Industry leading DEL data + DEL experts + state-of-the-art AI = high-quality novel hits

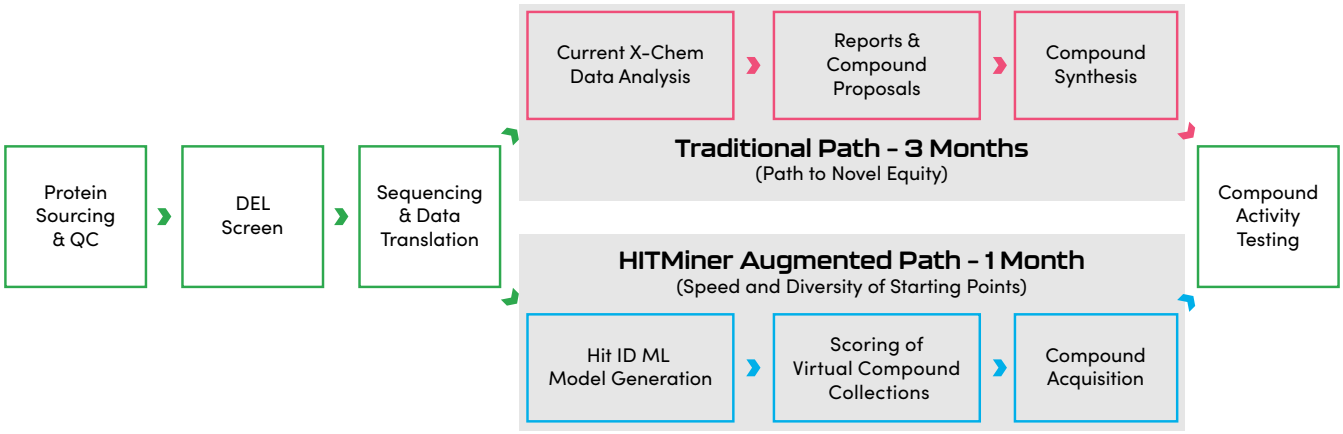
Be First to Candidate With Novel Chemistry

Real DEL data guiding cutting edge AI redefines hit identification for even the most challenging targets. Experience a paradigm shift in drug discovery with X-Chem's innovative HitMiner platform.

Introducing HITMiner: A Head Start in Your Hit Finding Campaign

With HITMiner, unleash the power of X-Chem's revolutionary AI platform: ArtemisAI. Surpass traditional virtual screening by leveraging next generation AI methodologies with high-quality, ultra-high throughput DEL experimental data. Delivering hits in three months: X-Chem's laser focus on your project goals ensures that your program moves upon delivery. Don't spend resources chasing non-progressible hits.

ArtemisAI Amplifies Traditional DEL



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Our proven impact:

- **"Machine learning on DNA-encoded libraries: A new paradigm for hit-finding" —** In collaboration with Google Research, we developed the first effective machine learning platform based on DEL selection data. The platform predicted highly potent small molecule inhibitors within a virtual library of commercial compounds across diverse protein targets.

- **"Discovery of nanomolar DCAF1 small molecule ligands" —** Our innovative approach used DEL technology, similarity search and machine learning to discover the first nanomolar ligand for DCAF1, a substrate receptor for E3 ligase.

The Three-Month HITMiner Process:

- Evaluate target reagent quality to ensure accurate results
- Conduct DEL screen tailored to your desired ligand profile
- Build machine learning models using the DEL screening data
- Unlock a diverse set of hits from virtual chemical space of readily available compounds
- Receive a diverse set of hits from readily available compounds

The HITMiner Approach:

- Our DEL and AI experts collaborate with you in every step of your project
- We work with you to ensure the best reagent quality and screen design
- With our novel chemistries, screening and AI-training are tailored to your target
- Our experience sharpens the identification, review and novel hit recommendation, from any virtual catalog
- You save on synthesis costs, shorten your hit finding timelines and expand the diversity of chemical hits

The Competitive Edge of a Proven Platform

As trailblazers in DEL-trained AI models, X-Chem is at the forefront of hit identification innovation. HITMiner gives you the tools to expedite any drug discovery program, from exploring novel mechanisms of action to developing protein degraders.

X-Chem is the partner of discerning drug hunters determined to unlock the exponential possibilities in small molecule drug discovery.

Discover the Power of HitMiner

ABOUT X-CHEM

X-Chem, Inc. is the leader in small molecule discovery science, providing pharmaceutical and biotech companies a complete, seamless solution for screening, hit validation and lead optimization. As pioneers of DNA-encoded chemical library (DEL) technology, the company leverages its market-leading DEL platform to discover novel small molecule leads against challenging, high-value therapeutic targets. In-house lead optimization services enable clients to progress their compounds directly for even higher quality outputs. Our expertise in medicinal chemistry, custom synthesis and scale-up process chemistry enables us to support all aspects of drug discovery, supporting lead optimization through candidate identification.

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