



# SMALL MOLECULE EXPONENTIAL DISCOVERY

X-Chem is a trusted partner for drug hunters seeking to advance small molecule discovery programs. With decades of industry leadership and expertise across therapeutic areas and modalities, we continuously innovate with our partners to identify and solve challenges in every facet of the early discovery process – from concepts, to design, and to the clinic.

**Our track record is unmatched, and our goal is simple: to help create molecules that will improve human health.**

## WHY X-CHEM?

As a pioneer for innovation since 2009, we have helped start-ups, biotech, and global pharma realize their most ambitious drug discovery goals.

Differentiate your projects through flexible, committed, bespoke partnerships built upon:

- The most cutting-edge **hit discovery platform**
- **Computationally driven** medicinal chemistry
- Powerful **synthesis capabilities**

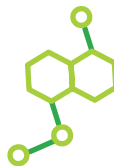
## OUR TRACK RECORD & CAPABILITIES



16 clinical candidates



Proven in 30+ challenging target classes



Highest-quality DNA-encoded libraries in the field



Industry-leading med chem design expertise



Uniquely scaled data deliverables

## X-CHEM'S INTEGRATED APPROACH



### Computationally Accelerated, DEL-driven Hit ID

- Access diverse architecture and the highest quality of small molecule DEL in the field for screening
- Screen hundreds of billions of high-quality small molecules against your target
- Identify potent, selective hits with computationally-facilitated SAR roadmaps
- Validate targets with *in silico* & wet pre-screens
- Exclusive licensing options for confirmed small molecule hits



### Discovery Chemistry Empowered by Cheminformatics

- Accelerate hit-to-lead with clear SAR trajectories
- Optimize hits with synergized *in silico* and *in vitro* DMPK profiling data
- Improve physicochemical, metabolic, and toxicological profiles with efficient screening cascades
- Reduce risk factors (e.g. safety and target engagement), as well as addressing translational strategy



### Drug Design 'One-stop' Partnerships

- Streamlined management among low-cost external providers and internal expertise, allowing partners overseeing a single, integrated process
- Faster timelines from hit-to-candidate with reduced handoffs between different service providers
- Decades of screening and medicinal chemistry leadership with intractable targets



### DEL-enabling Products and Services

- Tailored, custom DEL for non-covalent and covalent drug discovery
- Off-the-shelf, ready-to-deploy DEL for affordable access to DEL technology
- Specialized training and partner support on DEL screens and data analysis

### OUR SUCCESS MOLECULES

> 39 published and patented novel chemical matter such as molecular glues, degraders, covalent engagers, macrocycles, allosteric modulators, covering wide disease areas and biological pathways.



Molecules enabled by DEL-driven Hit ID



Molecules enabled by Discovery Chemistry

Partner with X-Chem

### 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.