Protac & Molecular Glue Disovery Workflow

Integrated expertise from design to biological validation and developability

CONCEPT LIFE SCIENCES

Advanced CADD – Streamline discovery with focus on fewer, better molecules

- Virtual screening & modeling
- Structure-based design
- Predict properties & liabilites
- Prioritize & de-risk early

1

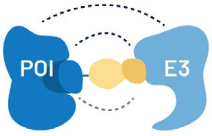
PROTAC design and optimization

Bifunctional molecules that bring proteins together for targeted degradation

- Ligand identification for POI and E3 ligase
- Linker design and structure - activity optimization
- Focused degrader synthesis using diverse E3 ligase ligand library
- Physicochemical and developability profiling

Molecular glue design and optimization

Small molecules that stabilize protein–protein interactions to induce degradation



- Advanced CADD: Streamline with focus on fewer, better molecules
- Innovative scaffolds and alternative E3 ligases
- Hit validation, mechanism elucidation and ternary complex characterization
- Iterative optimization for selectivity and efficiency

2

Biological evaluation and mechanistic profiling

- Protein production for POI and assay development
- Cellular degradation assays (DC_{50}, D_{max})
- Time-course degradation kinetics
- Biophysical, biochemical and structural characterization
- Target engagement and ubiquitination and studies

3

Integrated ADME and developability support

- Solubility, permeability, metabolic stability, LogD, plasma protein binding, CYP inhibition
- PK and PK/PD strategy support
- Early risk mitigation for large and complex degrader molecules
- Developability assessment to guide optimization

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Accelerated path to candidates

- Integrated cross-functional workflow
- Data-driven decision making at every step
- Rapid iteration and risk mitigation
- Optimized candidates with best-in-class potential

A seamless, integrated workflow to discover, optimize, and advance next-generation PROTACs and molecular glues

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