

FACT SHEET

Protein degraders: from discovery to development

Targeted protein degradation has emerged as a transformative approach in drug discovery, enabling the selective elimination of disease-associated proteins using the ubiquitin-proteasome system. Modalities such as protein degraders and molecular glues have the potential to provide therapeutic solutions for previously "undruggable" targets and offer mechanisms to overcome resistance to traditional small molecule inhibitors. Given the complexity, innovative and tailored strategies are needed at every step of the process. By partnering with Curia, you access more than a decade's worth of experience in protein degrader research & development to help fast-track your journey to the clinic.

Comprehensive Protein Degradation & Molecular Glue Solutions

- Integrated discovery platforms for targeted protein degradation
- End-to-end support from ligand identification and lead optimization to IND-enabling studies

Integrated DMPK and Biology teams

- Advanced structural biology, including crystallization of the ternary structures
- High-resolution structures of proteins or protein-ligand complexes by protein crystallography or cryo-EM
- Comprehensive set of DMPK assays
- Expert pre-clinical IND-enabling program support Seamless integration & coordination with chemistry teams

Expert Medicinal Chemistry Team

- A decade of experience working in the protein degradation area.
- Library of Linker-Ligase pieces
- Computational chemistry support to identify promising vectors for linker-ligase ligand attachments
- Computer Aided Drug Design (CADD) to guide ligand ontimization efforts

Advanced Screening Technologies

- Next generation high-throughput screening capabilities including high content imaging, ASMS and HiBiT
- Automated workflows designed to accelerate degraders discovery
- Maximized content and careful assay design, including single-cell-level visualization of target protein degradation, on-target and off-pathway phenotypes and cytotoxicity information

Leverage Curia's expertise to advance your candidate from discovery to development, including:

- Process evaluation and route familiarization
- Process optimization and intermediate prep
- Non-GMP synthesis of API
- Manufacture under GMP of API or DP
- Reporting and data transfer

