

Targeted Protein Degradator

An early mover in the targeted protein degradation (TPD) space, WuXi AppTec has developed partnerships with multiple TPD players since 2016. We look forward to supporting your TPD project.

Proven Synthetic Experiences

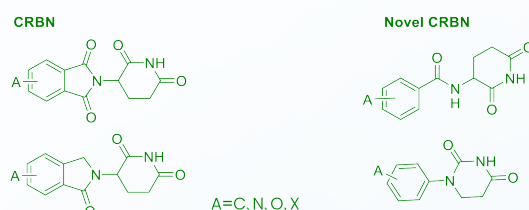
- **211,000+** compounds synthesized
- **1,100+** experienced chemists
- **160+** clients/collaborations
- **100+** novel E3 ligase ligands achieved
- **300+** novel linkers achieved
- **300+** ADC linkers available for DAC modality
- Custom delivery from mg to multi-kg

Leading Analytical Capabilities

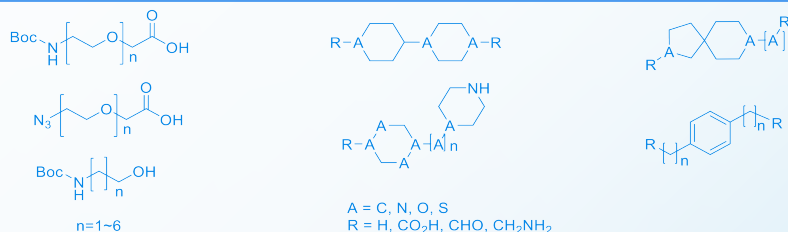
- **75** dedicated separation chemists
- **200+** methods for prep-HPLC and chiral-SFC
- Diversified techniques (RP-HPLC; NP-HPLC; SFC)
- Various columns and modifiers available
- Innovative online dilution system designed for PROTACs
- Native-MS analysis for ternary complex confirmation
- Proteomics studies to identify off-target effect

Well-Established Modular System

E3 ligase ligands: Common ligands are readily available, e.g. CRBN, VHL, etc.



Linkers: most frequently used linkers, e.g. PEG, alkyl, "clickable", rigid, etc.



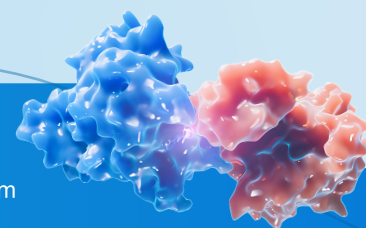
PROTAC : Proteolysis Targeting Chimeras



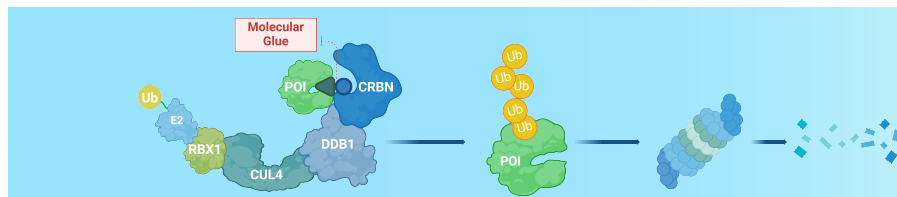
Contact us

 <https://rcs.wuxiapptec.com>

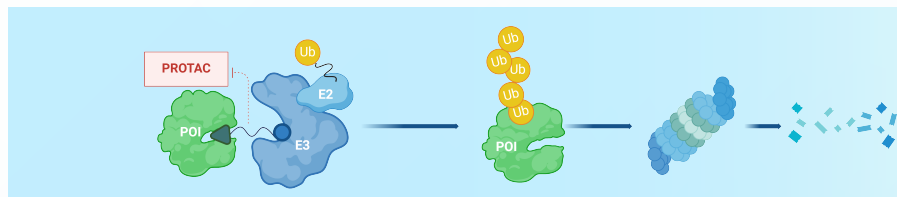
 chemistry_service@wuxiapptec.com



Experience with TPD Technologies



Molecular glue

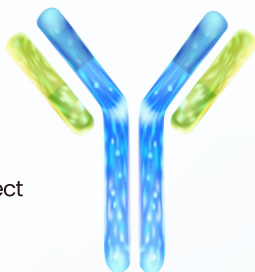


PROTAC

Emerging New TPD Technology: Degradant-Antibody Conjugate (DAC)

Antibody

- **High Specificity**
minimize off-target effect
low immunogenicity



Attachment

- **Cysteine**
(even stoichiometry)
- **Lysine**
(different stoichiometry)

Linker

- **Cleavable**
lysosomal protease sensitive
acid sensitive
glutathione sensitive
- **Non-cleavable**

Payload/PROTACs

Highly potent small molecule toxin
vs
large and lipophilic degrader

DAC Precursor: Degradant with Cleavable Linker

