

One Stop Technical Solutions for PROTAC Drugs



Leveraging 20 years of experience in small molecule drug services and a globally leading technology platform, Porton is dedicated to providing one-stop CDMO services to global pharmaceutical companies. We support every stage of PROTAC drug development, from pre-clinical to commercialization, covering intermediates, DS, and DP, all in accordance with international standards.

Building Blocks Synthesis
and Process Development

DS Synthesis and
Process Development

DP Development

IND/NDA Dossier and
CMC Solutions

Our Advantages



Extensive Experience

Deeply involved in the earliest global PROTAC drug services, offering well-rounded lifecycle capabilities to meet client needs from early research through to process optimization and scale-up.



Advanced Technical Platforms

Unique platforms for metal/bio catalyst screening, flow chemistry, particle engineering, and BA enhancement.



Reliable Systems

A well-established GMP matrix and a strong track record of customer audits and official inspections.



Expert Formulation Empowerment Platform

Providing end-to-end formulation services from pre-formulation studies to clinical sample production. Our solubility enhancement platform improves the solubility of challenging compounds.



Global Network Solutions

R&D centers and production sites across the US, Europe, and China, meeting customer demands with geographic flexibility and cost-efficiency.

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Linked in



Contact Us



Porton PROTAC Molecule Experience

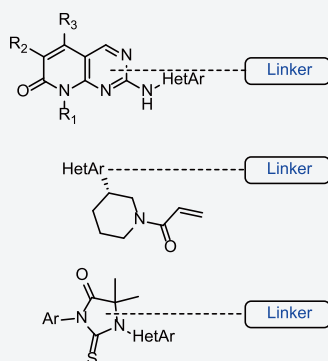
Drug (POI Ligand)

Linker

E3 Ligase Ligand

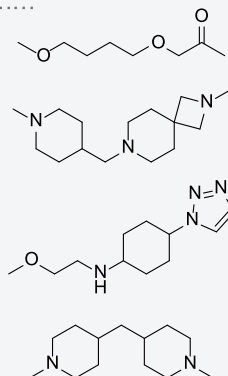
Drug (POI Ligand)

- CDK4 / 6
- AR
- BTK
-



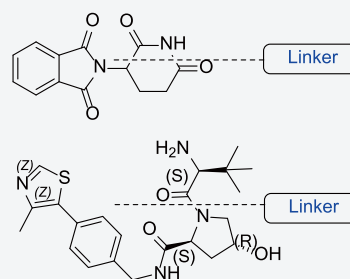
Linker

- Alkyl chains
- PEG chains
- 1,2,3-Triazole (Click Chemistry)
-



E3 Ligase Ligand

- CRBN Ligand
- VHL Ligand
- MDM2 Ligand
- XIAP Ligand
-



Case Study List

Case	Product Type	Stage	Production Scale	Featured Services and Technology
A	E3 Ligase Ligand + Linker	P3	Tons Scale GMP Intermediates	<ul style="list-style-type: none"> • New Route Development • Flow Chemistry (enhanced impurity control) • Heck Reaction at High Temperature
B	DS+DP	P1/IND, P2	Pilot Scale	<ul style="list-style-type: none"> • New Route Development (to address the low yield due to poor selectivity) • Crystallization Development (to improve residue Pd removal)
C	DS	P1/IND, P2	Pilot Scale	<ul style="list-style-type: none"> • Crystallization Development (to address the filtration issues due to poor solubilities of intermediates and API)
D	DS	P2	Kilo Lab Scale	<ul style="list-style-type: none"> • Crystallization Development (to address the complicated impurity profile due to high MW >1000)
E	E3 Ligase Ligand + Linker	P1	Kilo Lab Scale	<ul style="list-style-type: none"> • New Route Development (solutions for regio-selectivity) • Dangerous Reagent (organo-azide)
F	DS	P0	Kilo Lab Scale	<ul style="list-style-type: none"> • Crystallization Development • Application of Toxic Reagent (methyl hydrazine) • Development of Safe Process of Grignard Reaction