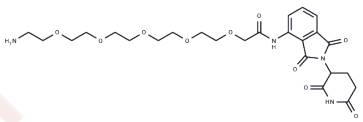
Data Sheet (Cat.No.T40084)

TargetMol

Pomalidomide-amino-PEG5-NH2

Chemical Properties



CAS No. : 2421217-04-9

Formula: C25H34N4O10

Molecular Weight: 550.565

Storage: Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Pomalidomide-amino-PEG5-NH2 is a synthesized conjugate that combines the Pomalidomide-based cereblon ligand with a linker used in PROTAC technology, functioning as an E3 ligase ligand-linker conjugate.
Targets(IC50)	Others,E3 Ligase Ligand-Linker Conjugates
In vitro	PROTACs incorporate two distinct ligands linked by a connector: one ligand targets an E3 ubiquitin ligase, and the other targets a specific protein. They harness the intracellular ubiquitin-proteasome system to selectively degrade target proteins [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8163 mL	9.0815 mL	18.163 mL
5 mM	0.3633 mL	1.8163 mL	3.6326 mL
10 mM	0.1816 mL	0.9081 mL	1.8163 mL
50 mM	0.0363 mL	0.1816 mL	0.3633 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Sato T, et al. Cereblon-Based Small-Molecule Compounds to Control Neural Stem Cell Proliferation in Regenerative Medicine. Front Cell Dev Biol. 2021;9:629326. Published 2021 Mar 11.
Nalawansha DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. Cell Chem Biol. 2020;27(8):998-985.

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