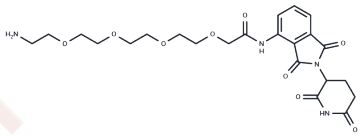
Data Sheet (Cat.No.T39866)

TargetMol

Pomalidomide-amino-PEG4-NH2

Chemical Properties



CAS No. : 2331259-44-8

Formula: C23H30N4O9

Molecular Weight: 506.512

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-PEG4-NH2 is a synthesized E3 ligase ligand-linker conjugate that combines the Pomalidomide-based cereblon ligand with a linker, used in PROTAC technology.
Targets(IC50)	Others,E3 Ligase Ligand-Linker Conjugates
In vitro	PROTACs consist of two distinct ligands linked together: one binds to an E3 ubiquitin ligase, and the other targets a specific protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9743 mL	9.8715 mL	19.7429 mL
5 mM	0.3949 mL	1.9743 mL	3.9486 mL
10 mM	0.1974 mL	0.9871 mL	1.9743 mL
50 mM	0.0395 mL	0.1974 mL	0.3949 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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