

Pomalidomide-amino-PEG3-NH2

Chemical Properties

CAS No. : 2380273-74-3

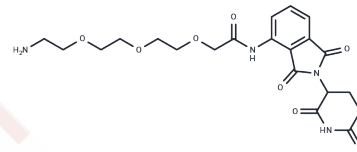
Formula: C21H26N4O8

Molecular Weight: 462.459

Keep away from direct sunlight

Storage: 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-PEG3-NH2 is a synthesized compound comprising a conjugation between the E3 ligase ligand linker and Pomalidomide, a cereblon ligand. Designed for application in PROTAC technology, it incorporates a linker that enables effective binding with targeted proteins.
Targets(IC50)	Others,E3 Ligase Ligand-Linker Conjugates
In vitro	PROTACs are compounds comprising two distinct ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, while the other targets a specific protein. Utilizing the intracellular ubiquitin-proteasome system, PROTACs selectively degrade target proteins [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1623 mL	10.8117 mL	21.6235 mL
5 mM	0.4325 mL	2.1623 mL	4.3247 mL
10 mM	0.2162 mL	1.0812 mL	2.1623 mL
50 mM	0.0432 mL	0.2162 mL	0.4325 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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