

Pomalidomide-PEG3-azide

Chemical Properties

CAS No. : 2267306-15-8

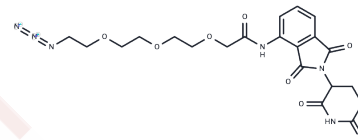
Formula: C₂₁H₂₄N₆O₈

Molecular Weight: 488.457

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-PEG3-azide is a chemically synthesized conjugate comprised of a cereblon ligand based on Pomalidomide, an E3 ligase ligand-linker, and a 3-unit PEG linker. This conjugate is specifically designed for use in PROTAC technology.
Targets(IC50)	Others,E3 Ligase Ligand-Linker Conjugates
In vitro	PROTACs use two distinct ligands linked by a connector: one binds to an E3 ubiquitin ligase and the other to the target protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0473 mL	10.2363 mL	20.4725 mL
5 mM	0.4095 mL	2.0473 mL	4.0945 mL
10 mM	0.2047 mL	1.0236 mL	2.0473 mL
50 mM	0.0409 mL	0.2047 mL	0.4095 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

Fangqing Zhang, et al. Discovery of a new class of PROTAC BRD4 degraders based on a dihydroquinazolinone derivative and lenalidomide/pomalidomide. Bioorg Med Chem. 2020 Jan 1;28(1):115228.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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