

Pomalidomide-PEG2-azide

Chemical Properties

CAS No. : 2267306-14-7

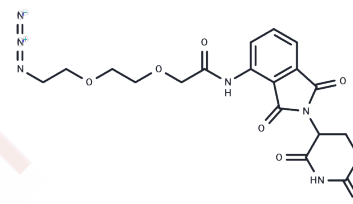
Formula: C₁₉H₂₀N₆O₇

Molecular Weight: 444.404

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-PEG2-azide is a synthetic conjugate consisting of a cereblon ligand derived from Pomalidomide and a 2-unit PEG linker, designed for use in PROTAC technology as a ligand-linker conjugate of E3 ligase.
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 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	2.2502 mL	11.2511 mL	22.5023 mL
5 mM	0.450 mL	2.2502 mL	4.5005 mL
10 mM	0.225 mL	1.1251 mL	2.2502 mL
50 mM	0.045 mL	0.225 mL	0.450 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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