

Thalidomide-O-amido-PEG4-propargyl

Chemical Properties

CAS No. :

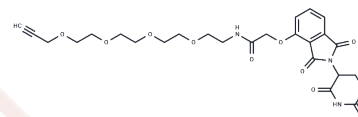
Formula: C₂₆H₃₁N₃O₁₀

Molecular Weight: 545.54

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	Thalidomide-O-amido-PEG4-propargyl is a polyethylene glycol (PEG)-based linker used in the synthesis of proteolysis targeting chimeras (PROTACs)[1].
Targets(IC50)	Apoptosis,Others,Autophagy,E3 Ligase Ligand-Linker Conjugates,PROTAC Linker
In vitro	PROTACs consist of two ligands connected by a linker: one targeting an E3 ubiquitin ligase and the other targeting the protein of interest. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.833 mL	9.1652 mL	18.3305 mL
5 mM	0.3666 mL	1.833 mL	3.6661 mL
10 mM	0.1833 mL	0.9165 mL	1.833 mL
50 mM	0.0367 mL	0.1833 mL	0.3666 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

An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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