

Propargyl-PEG4-Boc

Chemical Properties

CAS No. : 1355197-66-8

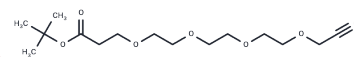
Formula: C₁₆H₂₈O₆

Molecular Weight: 316.39

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	Propargyl-PEG4-Boc is a PEG-based linker for PROTACs, joining two essential ligands to facilitate PROTAC molecule formation. It enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked by a connector: one binding an E3 ubiquitin ligase and the other targeting the protein, utilizing the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1607 mL	15.8033 mL	31.6066 mL
5 mM	0.6321 mL	3.1607 mL	6.3213 mL
10 mM	0.3161 mL	1.5803 mL	3.1607 mL
50 mM	0.0632 mL	0.3161 mL	0.6321 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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