

Amino-PEG5-Boc

Chemical Properties

CAS No. : 1446282-18-3

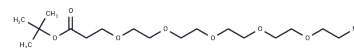
Formula: C17H35NO7

Molecular Weight: 365.46

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	Amino-PEG5-Boc is a PEG-based linker for PROTACs, crucial for joining two essential ligands and enabling selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands connected by a linker: one ligand targets an E3 ubiquitin ligase and the other targets the desired protein. They harness the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7363 mL	13.6814 mL	27.3628 mL
5 mM	0.5473 mL	2.7363 mL	5.4726 mL
10 mM	0.2736 mL	1.3681 mL	2.7363 mL
50 mM	0.0547 mL	0.2736 mL	0.5473 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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