

Methylamino-PEG2-Boc

Chemical Properties

CAS No. : 1807521-04-5

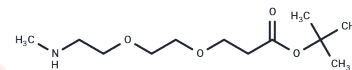
Formula: C₁₂H₂₅NO₄

Molecular Weight: 247.33

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	Methylamino-PEG2-Boc is a PEG-based linker for PROTACs that joins two essential ligands, crucial for forming PROTAC molecules [PROTACs]. This linker 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 connected by a linker: one ligand targets an E3 ubiquitin ligase, and the other targets the desired protein. By leveraging the intracellular ubiquitin-proteasome system, PROTACs induce selective degradation of target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0432 mL	20.2159 mL	40.4318 mL
5 mM	0.8086 mL	4.0432 mL	8.0864 mL
10 mM	0.4043 mL	2.0216 mL	4.0432 mL
50 mM	0.0809 mL	0.4043 mL	0.8086 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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