

Boc-NH-PEG10-CH₂CH₂NH₂

Chemical Properties

CAS No. : 1347704-59-9

Formula: C₂₇H₅₆N₂O₁₂

Molecular Weight: 600.74



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	Boc-NH-PEG10-CH ₂ CH ₂ NH ₂ is a PEG-based linker for PROTACs, facilitating the connection of two essential ligands necessary for PROTAC molecule formation, and enabling selective protein degradation through the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked by a connector; one ligand binds to an E3 ubiquitin ligase, while the other targets a specific protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6646 mL	8.3231 mL	16.6461 mL
5 mM	0.3329 mL	1.6646 mL	3.3292 mL
10 mM	0.1665 mL	0.8323 mL	1.6646 mL
50 mM	0.0333 mL	0.1665 mL	0.3329 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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