

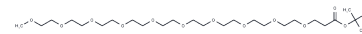
m-PEG10-Boc

Chemical Properties

CAS No. :

Formula: C₂₆H₅₂O₁₂

Molecular Weight: 556.68



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	m-PEG10-Boc [mPEG10-Boc-NH ₂] is a PEG-based linker essential for PROTACs, enabling the selective degradation of proteins by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, composed of two distinct ligands linked together—one targeting an E3 ubiquitin ligase and the other the target protein—utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7964 mL	8.9818 mL	17.9636 mL
5 mM	0.3593 mL	1.7964 mL	3.5927 mL
10 mM	0.1796 mL	0.8982 mL	1.7964 mL
50 mM	0.0359 mL	0.1796 mL	0.3593 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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