

## m-PEG12-Boc

## Chemical Properties

CAS No. :

Formula: C30H60O14

Molecular Weight: 644.79



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-PEG12-Boc, a PEG-based linker for PROTACs, connects two essential ligands crucial for forming PROTAC molecules, 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 joined by a linker; one binds an E3 ubiquitin ligase while the other targets a specific protein. They harness the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5509 mL	7.7545 mL	15.5089 mL
5 mM	0.3102 mL	1.5509 mL	3.1018 mL
10 mM	0.1551 mL	0.7754 mL	1.5509 mL
50 mM	0.031 mL	0.1551 mL	0.3102 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.

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