

## Hydroxy-PEG16-Boc

## Chemical Properties

CAS No. :

Formula: C39H78O19

Molecular Weight: 851.03

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	Hydroxy-PEG16-Boc is a PEG-based linker for PROTACs, joining two essential ligands crucial for forming PROTAC molecules. 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 linked together: one targets an E3 ubiquitin ligase and the other targets the protein of interest. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.175 mL	5.8752 mL	11.7505 mL
5 mM	0.235 mL	1.175 mL	2.3501 mL
10 mM	0.1175 mL	0.5875 mL	1.175 mL
50 mM	0.0235 mL	0.1175 mL	0.235 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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