

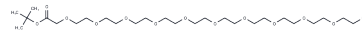
Hydroxy-PEG10-CH2-Boc

Chemical Properties

CAS No. :

Formula: C₂₆H₅₂O₁₃

Molecular Weight: 572.68



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	Hydroxy-PEG10-CH2-Boc is a PEG-based linker used in PROTACs to connect two essential ligands, facilitating the formation of PROTAC molecules. This linker enables selective protein degradation by utilizing the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, which exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1], consist of two distinct ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, and the other targets the desired protein.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7462 mL	8.7309 mL	17.4618 mL
5 mM	0.3492 mL	1.7462 mL	3.4924 mL
10 mM	0.1746 mL	0.8731 mL	1.7462 mL
50 mM	0.0349 mL	0.1746 mL	0.3492 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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