

Hydroxy-PEG24-CH2-Boc

Chemical Properties

CAS No. :

Formula: C54H108O27

Molecular Weight: 1189.42

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-PEG24-CH2-Boc is a PEG-based linker utilized in PROTACs, facilitating the connection of two essential ligands critical for PROTAC molecule formation, thereby enabling selective protein degradation through the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands connected by a linker; one ligand binds to an E3 ubiquitin ligase and the other targets the specific protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8407 mL	4.2037 mL	8.4075 mL
5 mM	0.1681 mL	0.8407 mL	1.6815 mL
10 mM	0.0841 mL	0.4204 mL	0.8407 mL
50 mM	0.0168 mL	0.0841 mL	0.1681 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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