

Hydroxy-PEG20-Boc

Chemical Properties

CAS No. :

Formula: C47H94O23

Molecular Weight: 1027.24

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-PEG20-Boc is a PEG-based linker for PROTACs, joining two essential ligands vital for forming PROTAC molecules and enabling selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins. They consist of two distinct ligands linked together: one targets an E3 ubiquitin ligase, and the other targets the protein of interest[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9735 mL	4.8674 mL	9.7348 mL
5 mM	0.1947 mL	0.9735 mL	1.947 mL
10 mM	0.0973 mL	0.4867 mL	0.9735 mL
50 mM	0.0195 mL	0.0973 mL	0.1947 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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