

m-PEG37-hydrazide

Chemical Properties

CAS No. :

Formula: C76H154N2O38

Molecular Weight: 1704.1

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-PEG37-hydrazide is a PEG-based linker for PROTACs, joining two essential ligands necessary 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 consist of two distinct ligands linked together, with one ligand binding to an E3 ubiquitin ligase and the other targeting the specific protein. These compounds utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5868 mL	2.9341 mL	5.8682 mL
5 mM	0.1174 mL	0.5868 mL	1.1736 mL
10 mM	0.0587 mL	0.2934 mL	0.5868 mL
50 mM	0.0117 mL	0.0587 mL	0.1174 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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