

m-PEG3-Hydrazide

Chemical Properties

CAS No. : 1442104-10-0

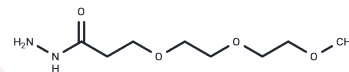
Formula: C₈H₁₈N₂O₄

Molecular Weight: 206.24

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	m-PEG3-Hydrazide, a PEG-based linker for PROTACs, joins two essential ligands necessary for forming PROTAC molecules and 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 connected by a linker: one binding to an E3 ubiquitin ligase and the other to a target protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8487 mL	24.2436 mL	48.4872 mL
5 mM	0.9697 mL	4.8487 mL	9.6974 mL
10 mM	0.4849 mL	2.4244 mL	4.8487 mL
50 mM	0.097 mL	0.4849 mL	0.9697 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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