

m-PEG5-CH₂CH₂COOH

Chemical Properties

CAS No. : 1347750-72-4

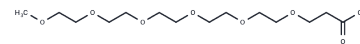
Formula: C₁₄H₂₈O₈

Molecular Weight: 324.37

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-PEG5-CH ₂ CH ₂ COOH is a PEG-based linker used in PROTACs to combine two essential ligands, facilitating selective protein degradation through the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs are composed of two distinct ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, while the other targets the protein of interest. They harness the intracellular ubiquitin-proteasome system to selectively degrade these target proteins.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0829 mL	15.4145 mL	30.829 mL
5 mM	0.6166 mL	3.0829 mL	6.1658 mL
10 mM	0.3083 mL	1.5414 mL	3.0829 mL
50 mM	0.0617 mL	0.3083 mL	0.6166 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

Parva Yogeshchandra Purohit, et al. Prodrugs of fulvestrant. WO2019224790A2.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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