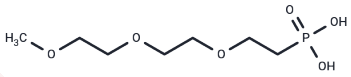
Data Sheet (Cat.No.T41123)

TargetMol

m-PEG3-phosphonic acid

Chemical Properties



CAS No. : 96962-42-4

Formula: C7H17O6P

Molecular Weight: 228.181

Storage: Keep away from direct sunlight
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-phosphonic acid is a PEG-based linker for PROTACs that joins two essential ligands, crucial for forming PROTAC molecules. This linker 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 targets 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	4.3825 mL	21.9125 mL	43.8251 mL
5 mM	0.8765 mL	4.3825 mL	8.765 mL
10 mM	0.4383 mL	2.1913 mL	4.3825 mL
50 mM	0.0877 mL	0.4383 mL	0.8765 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

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