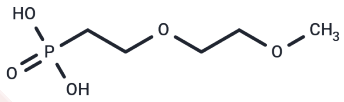
Data Sheet (Cat.No.T15847)

TargetMol

m-PEG2-phosphonic acid

Chemical Properties



CAS No. : 96962-41-3

Formula: C5H13O5P

Molecular Weight: 184.13

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-PEG2-phosphonic acid is a PEG-based linker for PROTACs that connects two essential ligands, facilitating the formation of 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, one for an E3 ubiquitin ligase and another for a target protein, connected by a linker. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4309 mL	27.1547 mL	54.3095 mL
5 mM	1.0862 mL	5.4309 mL	10.8619 mL
10 mM	0.5431 mL	2.7155 mL	5.4309 mL
50 mM	0.1086 mL	0.5431 mL	1.0862 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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