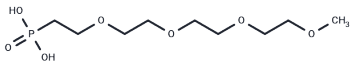
Data Sheet (Cat.No.T18201)

TargetMol

m-PEG4-phosphonic acid

Chemical Properties



CAS No. : 1872433-62-9

Formula: C9H21O7P

Molecular Weight: 272.23

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-PEG4-phosphonic acid is a PEG-based linker for PROTACs, joining two essential ligands crucial for forming PROTAC molecules. This linker facilitates selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs are composed of two ligands linked together: one binds to an E3 ubiquitin ligase, and the other targets a specific protein. These compounds leverage the intracellular ubiquitin-proteasome system to selectively degrade the target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6734 mL	18.3668 mL	36.7336 mL
5 mM	0.7347 mL	3.6734 mL	7.3467 mL
10 mM	0.3673 mL	1.8367 mL	3.6734 mL
50 mM	0.0735 mL	0.3673 mL	0.7347 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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