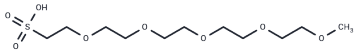
Data Sheet (Cat.No.T15902)

TargetMol

m-PEG5-sulfonic acid

Chemical Properties



CAS No. : 1807505-35-6

Formula: C11H24O8S

Molecular Weight: 316.37

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-PEG5-sulfonic acid is a PEG-based linker for PROTACs that joins two essential ligands, crucial for forming PROTAC molecules, enabling 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 ligand targets an E3 ubiquitin ligase, while the other targets a specific protein. These compounds utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1609 mL	15.8043 mL	31.6086 mL
5 mM	0.6322 mL	3.1609 mL	6.3217 mL
10 mM	0.3161 mL	1.5804 mL	3.1609 mL
50 mM	0.0632 mL	0.3161 mL	0.6322 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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