

PEG4-sulfonic acid

Chemical Properties

CAS No. : 173459-90-0

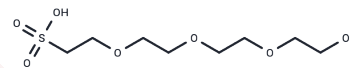
Formula: C₈H₁₈O₇S

Molecular Weight: 258.29

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	PEG4-sulfonic acid is a PEG-based linker for PROTACs, facilitating the selective protein degradation by connecting two essential ligands necessary for forming PROTAC molecules and leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, comprising two ligands connected by a linker—one for an E3 ubiquitin ligase and the other for the target protein—exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8716 mL	19.3581 mL	38.7162 mL
5 mM	0.7743 mL	3.8716 mL	7.7432 mL
10 mM	0.3872 mL	1.9358 mL	3.8716 mL
50 mM	0.0774 mL	0.3872 mL	0.7743 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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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