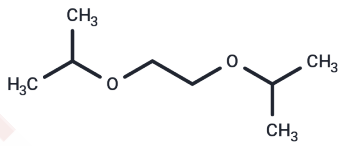
Data Sheet (Cat.No.T40494)

TargetMol

Bis-isopropyl-PEG1

Chemical Properties



CAS No. : 3944-35-2

Formula: C8H18O2

Molecular Weight: 146.23

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	Bis-isopropyl-PEG1, a PEG-based linker for PROTACs, connects 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, consisting of two ligands connected by a linker—one for an E3 ubiquitin ligase and the other for the target protein—utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.8385 mL	34.1927 mL	68.3854 mL
5 mM	1.3677 mL	6.8385 mL	13.6771 mL
10 mM	0.6839 mL	3.4193 mL	6.8385 mL
50 mM	0.1368 mL	0.6839 mL	1.3677 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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