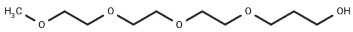
Data Sheet (Cat.No.T15855)

TargetMol

m-PEG4-CH2-alcohol

Chemical Properties



CAS No. : 145526-76-7

Formula: C10H22O5

Molecular Weight: 222.2787

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-CH2-alcohol is a PEG-based linker for PROTACs which joins two essential ligands, crucial for forming PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, comprising two distinct ligands linked by a connector, target the intracellular ubiquitin-proteasome system to selectively degrade specific proteins. One ligand binds to an E3 ubiquitin ligase, and the other binds to the target protein.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4988 mL	22.4942 mL	44.9883 mL
5 mM	0.8998 mL	4.4988 mL	8.9977 mL
10 mM	0.4499 mL	2.2494 mL	4.4988 mL
50 mM	0.090 mL	0.4499 mL	0.8998 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

KunioOka, et al. Thermochromism and solvatochromism of non-ionic polar polysilanes. Journal of Organometallic Chemistry.

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