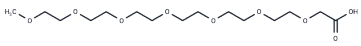
Data Sheet (Cat.No.T15916)

TargetMol

m-PEG6-O-CH2COOH

Chemical Properties



CAS No. : 75427-75-7

Formula: C15H30O9

Molecular Weight: 354.39

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-PEG6-O-CH2COOH is a PEG-based linker for PROTACs, facilitating the formation of PROTAC molecules by connecting two essential ligands. It enables selective protein degradation via the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two distinct ligands linked together: one ligand binds to an E3 ubiquitin ligase and the other to a target protein. They utilize the intracellular ubiquitin-proteasome system for selective degradation of target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8218 mL	14.1088 mL	28.2175 mL
5 mM	0.5644 mL	2.8218 mL	5.6435 mL
10 mM	0.2822 mL	1.4109 mL	2.8218 mL
50 mM	0.0564 mL	0.2822 mL	0.5644 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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