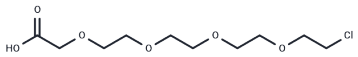
Data Sheet (Cat.No.T39058)

TargetMol

Cl-PEG4-acid

Chemical Properties



CAS No. : 158553-98-1

Formula: C10H19ClO6

Molecular Weight: 270.71

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	Cl-PEG4-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 are compounds that consist of two distinct ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, while the other targets the desired protein. They harness the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.694 mL	18.4699 mL	36.9399 mL
5 mM	0.7388 mL	3.694 mL	7.388 mL
10 mM	0.3694 mL	1.847 mL	3.694 mL
50 mM	0.0739 mL	0.3694 mL	0.7388 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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