

Chloro-PEG5-chloride

Chemical Properties

CAS No. : 5197-65-9

Formula: C10H20Cl2O4

Molecular Weight: 275.169



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	Chloro-PEG5-chloride, a PEG-based linker for PROTACs, 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, consisting of two ligands—one for an E3 ubiquitin ligase and the other for the target protein—joined by a linker, leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6341 mL	18.1706 mL	36.3412 mL
5 mM	0.7268 mL	3.6341 mL	7.2682 mL
10 mM	0.3634 mL	1.8171 mL	3.6341 mL
50 mM	0.0727 mL	0.3634 mL	0.7268 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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