

PEG2-Cl

Chemical Properties

CAS No. : 78925-46-9

Formula: C₅H₁₁ClO₂

Molecular Weight: 138.59

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	PEG2-Cl 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, comprising two distinct ligands linked by a connector—one for an E3 ubiquitin ligase and the other for the target protein—leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.2155 mL	36.0776 mL	72.1553 mL
5 mM	1.4431 mL	7.2155 mL	14.4311 mL
10 mM	0.7216 mL	3.6078 mL	7.2155 mL
50 mM	0.1443 mL	0.7216 mL	1.4431 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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