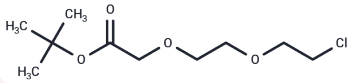
Data Sheet (Cat.No.T38923)

TargetMol

Chloro-PEG2-Boc

Chemical Properties



CAS No. : 1442085-43-9

Formula: C10H19ClO4

Molecular Weight: 238.71

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	Chloro-PEG2-Boc 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 consist of two distinct ligands linked together: one ligand targets an E3 ubiquitin ligase and the other targets the specific protein. They harness the intracellular ubiquitin-proteasome system to selectively degrade these target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1892 mL	20.9459 mL	41.8918 mL
5 mM	0.8378 mL	4.1892 mL	8.3784 mL
10 mM	0.4189 mL	2.0946 mL	4.1892 mL
50 mM	0.0838 mL	0.4189 mL	0.8378 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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