

DBCO-PEG9-NH-Boc

Chemical Properties

CAS No. :

Formula: C44H65N3O13

Molecular Weight: 844



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	DBCO-PEG9-NH-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 ligands connected by a linker: one ligand binds to an E3 ubiquitin ligase, and the other to the target protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1848 mL	5.9242 mL	11.8483 mL
5 mM	0.237 mL	1.1848 mL	2.3697 mL
10 mM	0.1185 mL	0.5924 mL	1.1848 mL
50 mM	0.0237 mL	0.1185 mL	0.237 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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