

DBCO-NHCO-PEG12-biotin

Chemical Properties

CAS No. :

Formula: C55H83N5O16S

Molecular Weight: 1102.34



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-NHCO-PEG12-biotin is a PEG-based linker for PROTACs that connects two essential ligands critical for forming PROTAC molecules, facilitating selective protein degradation through the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, comprised of two ligands linked together—one binding an E3 ubiquitin ligase and the other the target protein—utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9072 mL	4.5358 mL	9.0716 mL
5 mM	0.1814 mL	0.9072 mL	1.8143 mL
10 mM	0.0907 mL	0.4536 mL	0.9072 mL
50 mM	0.0181 mL	0.0907 mL	0.1814 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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