

DBCO-NHCO-PEG6-Biotin

Chemical Properties

CAS No. :

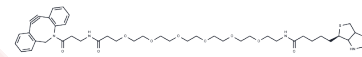
Formula: C43H59N5O10S

Molecular Weight: 838.02

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-PEG6-Biotin is a PEG-based linker for PROTACs that connects two essential ligands, facilitating the creation of PROTAC molecules. This linker promotes selective protein degradation by utilizing the ubiquitin-proteasome system [within cells].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs (Proteolysis Targeting Chimeras) are composed of two distinct ligands connected by a linker: one ligand binds to an E3 ubiquitin ligase, while the other targets the desired protein. They harness the intracellular ubiquitin-proteasome system to selectively degrade the target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1933 mL	5.9664 mL	11.9329 mL
5 mM	0.2387 mL	1.1933 mL	2.3866 mL
10 mM	0.1193 mL	0.5966 mL	1.1933 mL
50 mM	0.0239 mL	0.1193 mL	0.2387 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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