

DBCO-PEG10-DBCO

Chemical Properties

CAS No. :

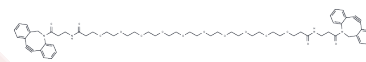
Formula: C60H74N4O14

Molecular Weight: 1075.25

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-PEG10-DBCO is a PEG-based linker used in PROTACs, joining two essential ligands needed to form PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs comprise two distinct ligands linked together: one binds to an E3 ubiquitin ligase and the other to the target protein. These compounds leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.930 mL	4.6501 mL	9.3002 mL
5 mM	0.186 mL	0.930 mL	1.860 mL
10 mM	0.093 mL	0.465 mL	0.930 mL
50 mM	0.0186 mL	0.093 mL	0.186 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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