

## DBCO-NHCO-PEG12-amine

## Chemical Properties

CAS No. :

Formula: C45H69N3O14

Molecular Weight: 876.04

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-amine is a PEG-based linker for PROTACs that joins two essential ligands, crucial for forming PROTAC molecules, and enables selective protein degradation by leveraging the ubiquitin-proteasome system (within cells).
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs comprise two distinct ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, while the other targets the desired protein. These compounds utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1415 mL	5.7075 mL	11.415 mL
5 mM	0.2283 mL	1.1415 mL	2.283 mL
10 mM	0.1142 mL	0.5708 mL	1.1415 mL
50 mM	0.0228 mL	0.1142 mL	0.2283 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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