

## DBCO-PEG9-DBCO

## Chemical Properties

CAS No. : 2353409-50-2

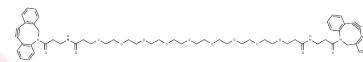
Formula: C<sub>58</sub>H<sub>70</sub>N<sub>4</sub>O<sub>13</sub>

Molecular Weight: 1031.2

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-DBCO, a PEG-based linker for PROTACs, connects two essential ligands to form 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 linked by a connector, with one ligand targeting an E3 ubiquitin ligase and the other binding to the target protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9697 mL	4.8487 mL	9.6974 mL
5 mM	0.1939 mL	0.9697 mL	1.9395 mL
10 mM	0.097 mL	0.4849 mL	0.9697 mL
50 mM	0.0194 mL	0.097 mL	0.1939 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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