

## DBCO-PEG10-DBCO

## Chemical Properties

CAS No. :

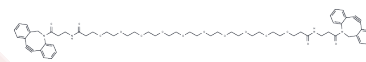
Formula: C60H74N4O14

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

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