

## DBCO-NHCO-PEG2-CH2COOH

## Chemical Properties

CAS No. :

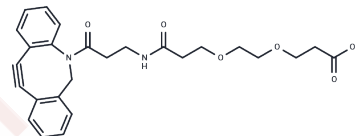
Formula: C<sub>26</sub>H<sub>28</sub>N<sub>2</sub>O<sub>6</sub>

Molecular Weight: 464.51

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-PEG2-CH <sub>2</sub> COOH is a PEG-based linker for PROTACs that connects two essential ligands, facilitating selective protein degradation by utilizing the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, composed of two ligands linked by a connector, utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins; one ligand binds to an E3 ubiquitin ligase, while the other targets the specific protein[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1528 mL	10.764 mL	21.5281 mL
5 mM	0.4306 mL	2.1528 mL	4.3056 mL
10 mM	0.2153 mL	1.0764 mL	2.1528 mL
50 mM	0.0431 mL	0.2153 mL	0.4306 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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