

## DBCO-NHCO-PEG4-amine

## Chemical Properties

CAS No. : 1255942-08-5

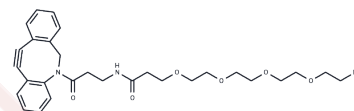
Formula: C<sub>29</sub>H<sub>37</sub>N<sub>3</sub>O<sub>6</sub>

Molecular Weight: 523.62

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-PEG4-amine is a cleavable ADC linker used to conjugate MMAE and antibody (e.g., DBCO-VCpAB MMAE and DBCO-TRX MMAE with EC50s of 280 nM and 22 nM in SKBR3 cells, respectively) [1].
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9098 mL	9.5489 mL	19.0978 mL
5 mM	0.382 mL	1.9098 mL	3.8196 mL
10 mM	0.191 mL	0.9549 mL	1.9098 mL
50 mM	0.0382 mL	0.191 mL	0.382 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

Spangler B, et al. Toward a Ferrous Iron-Cleavable Linker for Antibody-Drug Conjugates. Mol Pharm. 2018 May 7; 15(5):2054-2059. .

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