

## DBCO-PEG4-C2-acid

## Chemical Properties

CAS No. : 1537170-85-6

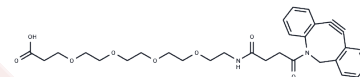
Formula: C<sub>30</sub>H<sub>36</sub>N<sub>2</sub>O<sub>8</sub>

Molecular Weight: 552.62

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-PEG4-C2-acid is an ADC linker featuring a DBCO group. It enables copper-free click chemistry for conjugating drug payloads to biological targets in drug delivery research.
Targets(IC50)	PROTAC Linker
In vitro	DBCO-PEG4-C2-acid is a bioorthogonal PROTAC linker that conjugates target proteins and E3 ligases via copper-free click chemistry [1].

## Solubility Information

Solubility	DMSO: 33 mg/mL (59.72 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8096 mL	9.0478 mL	18.0956 mL
5 mM	0.3619 mL	1.8096 mL	3.6191 mL
10 mM	0.181 mL	0.9048 mL	1.8096 mL
50 mM	0.0362 mL	0.181 mL	0.3619 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

Sheng Huaying, et al. Transglutaminase 2 Inhibitor KCC009 Induces p53-Independent Radiosensitization in Lung Adenocarcinoma Cells. Med Sci Monit. 2016 Dec 21;22:5041-5048.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481