

DBCO-PEG4-alkyne

Chemical Properties

CAS No. :

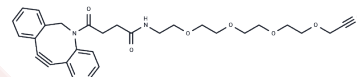
Formula: C₃₀H₃₄N₂O₆

Molecular Weight: 518.6

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-alkyne is a four-unit PEG linker with non-cleavable properties, specifically designed for the synthesis of antibody-drug conjugates (ADCs)[1].
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	ADCs consist of an antibody connected to an ADC cytotoxin via an ADC linker[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9283 mL	9.6413 mL	19.2827 mL
5 mM	0.3857 mL	1.9283 mL	3.8565 mL
10 mM	0.1928 mL	0.9641 mL	1.9283 mL
50 mM	0.0386 mL	0.1928 mL	0.3857 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

Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. Nat Rev Drug Discov. 2017 May;16(5):315-337.

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