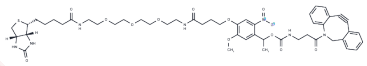
Data Sheet (Cat.No.T18521)

TargetMol

PC DBCO-PEG3-biotin

Chemical Properties



CAS No. :

Formula: C50H63N7O13S

Molecular Weight: 1002.14

Storage: Keep away from direct sunlight
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	PC DBCO-PEG3-biotin is a trimeric polyethylene glycol (PEG) linker designed for antibody-drug conjugate (ADC) synthesis, incorporating a cleavable moiety with a dibenzocyclooctyne (DBCO) group and a biotin molecule, enabling efficient drug attachment to antibodies for targeted delivery and controlled release of therapeutic agents in ADCs[1].
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	ADCs consist of an antibody conjugated to an ADC cytotoxin via an ADC linker[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9979 mL	4.9893 mL	9.9786 mL
5 mM	0.1996 mL	0.9979 mL	1.9957 mL
10 mM	0.0998 mL	0.4989 mL	0.9979 mL
50 mM	0.020 mL	0.0998 mL	0.1996 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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