

## PC Biotin-PEG3-azide

## Chemical Properties

CAS No. :	1937270-46-6
Formula:	C35H55N9O12S
Molecular Weight:	825.93
Storage:	Keep away from direct sunlight,Store under nitrogen, Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	PC Biotin-PEG3-azide is a cleavable ADC linker containing three PEG units, which can be used for the synthesis of antibody-drug conjugates (ADCs). PC Biotin-PEG3-azide belongs to click chemistry reagents. Its azide group can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with alkyne-containing molecules, as well as strain-promoted alkyne-azide cycloaddition (SPAAC) with molecules containing DBCO or BCN groups.
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	Antibody-drug conjugates (ADCs) consist of an antibody linked to a cytotoxic drug via a specific ADC linker[1].

## Solubility Information

Solubility	DMSO: 40 mg/mL (48.43 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	1.2108 mL	6.0538 mL	12.1076 mL
5 mM	0.2422 mL	1.2108 mL	2.4215 mL
10 mM	0.1211 mL	0.6054 mL	1.2108 mL
50 mM	0.0242 mL	0.1211 mL	0.2422 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481