

## Biotin-PEG3-SS-azide

## Chemical Properties

CAS No. : 2866429-93-6

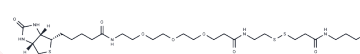
Formula: C<sub>27</sub>H<sub>48</sub>N<sub>8</sub>O<sub>7</sub>S<sub>3</sub>

Molecular Weight: 692.92

Store at low temperature

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	Biotin-PEG3-SS-azide (Biotin-PEG3-amido-SS-amido-azide) is a cleavable ADC linker containing 3-unit PEG and can be used to synthesize antibody-drug conjugates (ADCs).
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	ADCs are composed of an antibody that connects ADC cytotoxins via an ADC linker [1].

## Solubility Information

Solubility	DMSO: 90 mg/mL (129.89 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (4.76 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	1.4432 mL	7.2158 mL	14.4317 mL
5 mM	0.2886 mL	1.4432 mL	2.8863 mL
10 mM	0.1443 mL	0.7216 mL	1.4432 mL
50 mM	0.0289 mL	0.1443 mL	0.2886 mL

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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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