

## Biotin-PEG4-Amide-C6-Azide

## Chemical Properties

CAS No. : 1006592-62-6

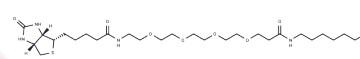
Formula: C<sub>27</sub>H<sub>49</sub>N<sub>7</sub>O<sub>7</sub>S

Molecular Weight: 615.79

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	Biotin-PEG4-Amide-C6-Azide is a PEG-based PROTAC linker utilized in PROTAC synthesis.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs comprise two distinct ligands linked together: one ligand binds to an E3 ubiquitin ligase, and the other to the target protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1].

## Solubility Information

Solubility	DMSO: 100 mg/mL (162.39 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: 4 mg/mL (6.5 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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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	1.6239 mL	8.1197 mL	16.2393 mL
5 mM	0.3248 mL	1.6239 mL	3.2479 mL
10 mM	0.1624 mL	0.812 mL	1.6239 mL
50 mM	0.0325 mL	0.1624 mL	0.3248 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

An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

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