

## Biotin-PEG4-azide

## Chemical Properties

CAS No. : 1309649-57-7

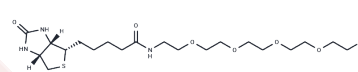
Formula: C<sub>20</sub>H<sub>36</sub>N<sub>6</sub>O<sub>6</sub>S

Molecular Weight: 488.6

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-PEG4-azide, a biotin-labeled, PEG-based PROTAC linker, is utilized in PROTAC synthesis.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs consist of 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: 125 mg/mL (255.83 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	2.0467 mL	10.2333 mL	20.4666 mL
5 mM	0.4093 mL	2.0467 mL	4.0933 mL
10 mM	0.2047 mL	1.0233 mL	2.0467 mL
50 mM	0.0409 mL	0.2047 mL	0.4093 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

Gadd MS, et al. Structural basis of PROTAC cooperative recognition for selective protein degradation. Nat Chem Biol. 2017 May;13(5):514-521.

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