

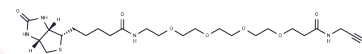
## Biotin-PEG4-amide-Alkyne

## Chemical Properties

CAS No. : 1006592-45-5

Formula: C<sub>24</sub>H<sub>40</sub>N<sub>4</sub>O<sub>7</sub>S

Molecular Weight: 528.66



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-Alkyne is a polyethylene glycol (PEG)-based linker primarily used for synthesizing PROTACs[1].
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs consist of two ligands linked together; one binds to an E3 ubiquitin ligase and the other to the target protein. They exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8916 mL	9.4579 mL	18.9157 mL
5 mM	0.3783 mL	1.8916 mL	3.7831 mL
10 mM	0.1892 mL	0.9458 mL	1.8916 mL
50 mM	0.0378 mL	0.1892 mL	0.3783 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

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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