

## Biotin-PEG8-amine

## Chemical Properties

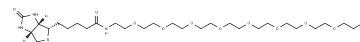
CAS No. : 2183447-27-8

Formula: C<sub>28</sub>H<sub>54</sub>N<sub>4</sub>O<sub>10</sub>S

Molecular Weight: 638.81

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-PEG8-amine is a PROTAC linker belonging to the PEG class and can be used to synthesize PROTAC molecules.
Targets(IC50)	PROTAC Linker
In vitro	PROTACs consist of two ligands linked by a connector: one binds to an E3 ubiquitin ligase, and the other to the target protein. They leverage the intracellular ubiquitin-proteasome system for selective degradation of target proteins [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5654 mL	7.8271 mL	15.6541 mL
5 mM	0.3131 mL	1.5654 mL	3.1308 mL
10 mM	0.1565 mL	0.7827 mL	1.5654 mL
50 mM	0.0313 mL	0.1565 mL	0.3131 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481