

## Biotin-PEG3-oxyamine

### Chemical Properties

CAS No. : 1786206-22-1

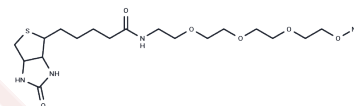
Formula: C<sub>18</sub>H<sub>34</sub>N<sub>4</sub>O<sub>6</sub>S

Molecular Weight: 434.55

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-PEG3-oxyamine is a PEG-based linker for PROTACs that connects two essential ligands, facilitating the formation of PROTAC molecules and enabling selective protein degradation through the ubiquitin-proteasome system within cells.     |
| Targets(IC50) | Others,PROTAC Linker  |
| In vitro      | PROTACs consist of two distinct ligands connected by a linker: one 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]. |

### Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.3012 mL | 11.5062 mL | 23.0123 mL |
| 5 mM  | 0.4602 mL | 2.3012 mL  | 4.6025 mL  |
| 10 mM | 0.2301 mL | 1.1506 mL  | 2.3012 mL  |
| 50 mM | 0.046 mL  | 0.2301 mL  | 0.4602 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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