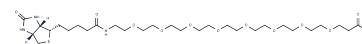


## Biotin-PEG8-acid

### Chemical Properties

CAS No. : 2143964-62-7  
Formula: C<sub>29</sub>H<sub>53</sub>N<sub>3</sub>O<sub>12</sub>S  
Molecular Weight: 667.81  
Appearance: no data available  
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



### Biological Description

|               |                                                                                                                                                                                                                                                                       |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description   | Biotin-PEG8-acid is a biotin-labeled, PEG-based PROTAC linker that can be used in PROTAC synthesis.                                                                                                                                                                   |
| Targets(IC50) | Others,PROTAC Linker                                                                                                                                                                                                                                                  |
| In vitro      | PROTACs contain two different ligands connected by a linker; one of them is a ligand for an E3 ubiquitin ligase and the other one is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1]. |

### Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.4974 mL | 7.4872 mL | 14.9743 mL |
| 5 mM  | 0.2995 mL | 1.4974 mL | 2.9949 mL  |
| 10 mM | 0.1497 mL | 0.7487 mL | 1.4974 mL  |
| 50 mM | 0.0299 mL | 0.1497 mL | 0.2995 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.

### 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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