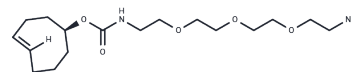


## (S)-TCO-PEG3-amine

### Chemical Properties

CAS No. : T18676  
Formula: C<sub>17</sub>H<sub>32</sub>N<sub>2</sub>O<sub>5</sub>  
Molecular Weight: 344.45  
Appearance: no data available  
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



### Biological Description

|               |                                                                                                                                                                                                                                                           |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description   | (S)-TCO-PEG3-amine is a PEG-based linker for PROTACs which joins two essential ligands, crucial for forming PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.               |
| Targets(IC50) | Others                                                                                                                                                                                                                                                    |
| In vitro      | PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other 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  | 2.9032 mL | 14.5159 mL | 29.0318 mL |
| 5 mM  | 0.5806 mL | 2.9032 mL  | 5.8064 mL  |
| 10 mM | 0.2903 mL | 1.4516 mL  | 2.9032 mL  |
| 50 mM | 0.0581 mL | 0.2903 mL  | 0.5806 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

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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