

## Boc-N-amido-PEG3-acid

## Chemical Properties

CAS No. : 1347750-75-7

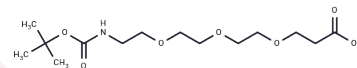
Formula: C<sub>14</sub>H<sub>27</sub>N<sub>1</sub>O<sub>7</sub>

Molecular Weight: 321.37

Storage: Keep away from direct sunlight

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   | Boc-N-amido-PEG3-acid is a PEG-based linker for PROTACs that joins two essential ligands, crucial for forming PROTAC molecules, and enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.                                      |
| Targets(IC50) | Others,PROTAC Linker   |
| In vitro      | PROTACs, comprising two ligands connected by a linker, target proteins for degradation via the intracellular ubiquitin-proteasome system. One ligand is specific to an E3 ubiquitin ligase and the other to the target protein, enabling selective protein degradation[1]. |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.1117 mL | 15.5584 mL | 31.1168 mL |
| 5 mM  | 0.6223 mL | 3.1117 mL  | 6.2234 mL  |
| 10 mM | 0.3112 mL | 1.5558 mL  | 3.1117 mL  |
| 50 mM | 0.0622 mL | 0.3112 mL  | 0.6223 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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