

Boc-NH-PEG12-CH<sub>2</sub>CH<sub>2</sub>COOH**Chemical Properties**

CAS No.: 1415981-79-1  
Formula: C<sub>32</sub>H<sub>63</sub>NO<sub>16</sub>  
Molecular Weight: 717.84  
Appearance: N/A  
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

|                            |   |
|----------------------------|---|
| Description                | Boc-NH-PEG12-CH <sub>2</sub> CH <sub>2</sub> COOH is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs[1].   |
| Targets(IC <sub>50</sub> ) | PEGs: None<br>Alkyl/ether: None   |
| 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]. |

**Solubility Information**

|            |   |
|------------|---|
| Solubility | < 1 mg/ml refers to the product slightly soluble or insoluble |
|------------|---|

## Preparing Stock Solutions

|       | 1mg      | 5mg      | 10mg      |
|-------|----------|----------|-----------|
| 1 mM  | 1.393 mL | 6.965 mL | 13.931 mL |
| 5 mM  | 0.279 mL | 1.393 mL | 2.786 mL  |
| 10 mM | 0.139 mL | 0.697 mL | 1.393 mL  |
| 50 mM | 0.028 mL | 0.139 mL | 0.279 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. 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

Inhibitors · Natural Compounds · Compound Libraries

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