

Boc-NH-PEG4-CH<sub>2</sub>CH<sub>2</sub>COOH

## Chemical Properties

CAS No. : 756525-91-4

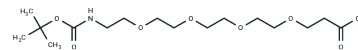
Formula: C<sub>16</sub>H<sub>31</sub>N<sub>8</sub>O<sub>8</sub>

Molecular Weight: 365.42

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   | Boc-NH-PEG4-CH <sub>2</sub> CH <sub>2</sub> COOH is a PEG-based PROTAC linker used in the synthesis of PROTAC[1] and as a cleavable ADC linker for antibody-drug conjugates (ADC)[2].  |
| Targets(IC50) | ADC Linker,PROTAC Linker   |
| In vitro      | PROTACs, or proteolysis-targeting chimeras, are composed of two distinct ligands joined by a linker. One of these ligands binds to a specific protein target, while the other binds to an E3 ubiquitin ligase. When the PROTAC binds to both the target protein and the E3 ligase, it triggers the ubiquitin-proteasome system within cells to degrade the target protein, thereby providing a mechanism for targeted protein degradation. |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.7366 mL | 13.6829 mL | 27.3658 mL |
| 5 mM  | 0.5473 mL | 2.7366 mL  | 5.4732 mL  |
| 10 mM | 0.2737 mL | 1.3683 mL  | 2.7366 mL  |
| 50 mM | 0.0547 mL | 0.2737 mL  | 0.5473 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

Nathanael Gray, et al. Bifunctional compounds for her3 degradation and methods of use. WO2018114798A1.

Hans-Georg Lerchen, et al. Prodrugs of cytotoxic active agents having enzymatically cleavable groups.

WO2018114798A1.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481