

Boc-NH-PEG12-CH₂CH₂COOH

Chemical Properties

CAS No. : 1415981-79-1

Formula: C₃₂H₆₃N₁O₁₆

Molecular Weight: 717.84



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-PEG12-CH ₂ CH ₂ COOH is a PEG-based PROTAC linker utilized in PROTAC synthesis. |
| Targets(IC50) | PROTAC Linker |
| In vitro | PROTACs, which feature two distinct ligands linked by a connector—one targeting an E3 ubiquitin ligase and the other the target protein—leverage the intracellular ubiquitin-proteasome system for selective degradation of target proteins[1]. |

Solubility Information

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|---------------------|--|
| Solubility | DMSO: 100 mg/mL (139.31 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (5.57 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|------------|------------|-------------|
| 1 mM | 1.3931 mL | 6.9653 mL | 13.9307 mL |
| 5 mM | 0.2786 mL | 1.3931 mL | 2.7861 mL |
| 10 mM | 0.1393 mL | 0.6965 mL | 1.3931 mL |
| 50 mM | 0.0279 mL | 0.1393 mL | 0.2786 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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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