

## Fmoc-amino-PEG3-CH2COOH

### Chemical Properties

CAS No. : 139338-72-0

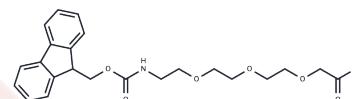
Formula: C23H27NO7

Molecular Weight: 429.46

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   | Fmoc-amino-PEG3-CH2COOH, a polyethylene glycol (PEG)-based linker, is primarily used in the synthesis of proteolysis-targeting chimeras (PROTACs)[1].                                                                                                       |
| Targets(IC50) | Others,PROTAC Linker                                                                                                                                                                                                                                        |
| In vitro      | PROTACs comprise two distinct ligands linked together: one ligand targets an E3 ubiquitin ligase, while the other targets the desired protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade these target proteins [1]. |

### Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.3285 mL | 11.6425 mL | 23.2851 mL |
| 5 mM  | 0.4657 mL | 2.3285 mL  | 4.657 mL   |
| 10 mM | 0.2329 mL | 1.1643 mL  | 2.3285 mL  |
| 50 mM | 0.0466 mL | 0.2329 mL  | 0.4657 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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