

m-PEG4-O-NHS ester

Chemical Properties

CAS No. : 147912-03-6

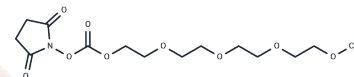
Formula: C14H23NO9

Molecular Weight: 349.33

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 | m-PEG4-O-NHS ester is a PEG-based linker for PROTACs, facilitating the connection of two essential ligands critical for PROTAC molecule formation and enabling selective protein degradation via the ubiquitin-proteasome system within cells. |
| Targets(IC50) | Others,PROTAC Linker |
| In vitro | PROTACs, composed of two distinct ligands connected by a linker—one for an E3 ubiquitin ligase and the other for the target protein—utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.8626 mL | 14.3131 mL | 28.6262 mL |
| 5 mM | 0.5725 mL | 2.8626 mL | 5.7252 mL |
| 10 mM | 0.2863 mL | 1.4313 mL | 2.8626 mL |
| 50 mM | 0.0573 mL | 0.2863 mL | 0.5725 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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