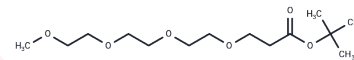


m-PEG4-Boc

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 883554-11-8 |
| Formula: | C14H28O6 |
| Molecular Weight: | 292.37 |
| Storage: | Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i> |



Biological Description

| | |
|---------------|--|
| Description | m-PEG4-Boc is a cleavable 4-unit polyethylene glycol (PEG) linker widely employed in the synthesis of antibody-drug conjugates (ADCs) [1] and serves as a PEG-based PROTAC linker for the synthesis of PROTACs [2]. |
| Targets(IC50) | ADC Linker, PROTAC Linker |
| In vitro | ADCs consist of an antibody linked to a cytotoxin via an ADC linker[1]. PROTACs feature two distinct ligands joined by a linker: one ligand targets an E3 ubiquitin ligase, while the other targets the protein of interest. PROTACs utilize the intracellular ubiquitin-proteasome system for selective protein degradation[2]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 3.4203 mL | 17.1016 mL | 34.2032 mL |
| 5 mM | 0.6841 mL | 3.4203 mL | 6.8406 mL |
| 10 mM | 0.342 mL | 1.7102 mL | 3.4203 mL |
| 50 mM | 0.0684 mL | 0.342 mL | 0.6841 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

- Hervé Bouchard, et al. Peptidic linkers and cryptophycin conjugates, useful in therapy, and their preparation. WO2018206635A1.
Peter Madsen, et al. Protease stabilized, pegylated insulin analogues. WO2009010428A1.

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