

m-PEG12-OH

Chemical Properties

CAS No. : 2050595-03-2

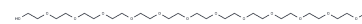
Formula: C₂₅H₅₂O₁₃

Molecular Weight: 560.67

Keep away from direct sunlight

Storage: Pure form: -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-PEG12-OH (Dodecaethylene Glycol Monomethyl Ether) is a PEG-based PROTAC linker. m-PEG12-OH can be used in the synthesis of PROTACs. m-PEG12-OH is also a non-cleavable 12 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs). |
| Targets(IC50) | ADC Linker, PROTAC Linker |
| In vitro | PROTACs, comprising two ligands joined by a linker, utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins. One ligand binds to an E3 ubiquitin ligase, while the other targets the specific protein[1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.7836 mL | 8.9179 mL | 17.8358 mL |
| 5 mM | 0.3567 mL | 1.7836 mL | 3.5672 mL |
| 10 mM | 0.1784 mL | 0.8918 mL | 1.7836 mL |
| 50 mM | 0.0357 mL | 0.1784 mL | 0.3567 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

Kachbi-Khelfallah S, et al. Towards potential nanoparticle contrast agents: Synthesis of new functionalized PEG bisphosphonates. Beilstein J Org Chem. 2016 Jul 4;12:1366-71.

Hamura, Mika, et al. Branched monodispersed polyethylene glycol, intermediate, and method for producing same. WO 2019181984 A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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