

m-PEG12-Br

Chemical Properties

CAS No. : 1620461-89-3

Formula: C₂₅H₅₁BrO₁₂

Molecular Weight: 623.57

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-PEG12-Br is a PEG-based linker for PROTACs, connecting two essential ligands crucial for forming PROTAC molecules, thereby enabling selective protein degradation by leveraging the ubiquitin-proteasome system within cells. |
| Targets(IC50) | Others,PROTAC Linker |
| In vitro | PROTACs are composed of two ligands connected by a linker: one ligand binds to an E3 ubiquitin ligase, and the other targets the protein of interest. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.6037 mL | 8.0183 mL | 16.0367 mL |
| 5 mM | 0.3207 mL | 1.6037 mL | 3.2073 mL |
| 10 mM | 0.1604 mL | 0.8018 mL | 1.6037 mL |
| 50 mM | 0.0321 mL | 0.1604 mL | 0.3207 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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