

Mal-PEG12-Boc

Chemical Properties

CAS No. :

Formula: C35H63NO16

Molecular Weight: 753.87



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 | Mal-PEG12-Boc is a PEG-based linker for PROTACs that joins two essential ligands, crucial for PROTAC molecule formation, enabling selective protein degradation by leveraging the ubiquitin-proteasome system within cells. |
| Targets(IC50) | Others,PROTAC Linker |
| In vitro | PROTACs consist of two ligands linked together; one binds to an E3 ubiquitin ligase, and the other to the target protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.3265 mL | 6.6324 mL | 13.2649 mL |
| 5 mM | 0.2653 mL | 1.3265 mL | 2.653 mL |
| 10 mM | 0.1326 mL | 0.6632 mL | 1.3265 mL |
| 50 mM | 0.0265 mL | 0.1326 mL | 0.2653 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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