

Mal-PEG24-NHS ester

Chemical Properties

CAS No. : 2226733-37-3

Formula: C62H111N3O31

Molecular Weight: 1394.55

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-PEG24-NHS ester, a PEG-based linker for PROTACs, joins two essential ligands crucial for forming PROTAC molecules, enabling selective protein degradation by leveraging the ubiquitin-proteasome system within cells. |
| Targets(IC50) | Others,PROTAC Linker |
| In vitro | PROTACs consist of two distinct 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 | 0.7171 mL | 3.5854 mL | 7.1708 mL |
| 5 mM | 0.1434 mL | 0.7171 mL | 1.4342 mL |
| 10 mM | 0.0717 mL | 0.3585 mL | 0.7171 mL |
| 50 mM | 0.0143 mL | 0.0717 mL | 0.1434 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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