

Amino-PEG12-alcohol

Chemical Properties

CAS No. : 1345681-71-1

Formula: C₂₄H₅₁NO₁₂

Molecular Weight: 545.66

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 | Amino-PEG12-alcohol is a PEG-based PROTAC linker utilized in the synthesis of PROTACs. |
| Targets(IC50) | PROTAC Linker |
| In vitro | PROTACs are composed of two distinct ligands linked together: one ligand targets an E3 ubiquitin ligase, while the other targets the desired protein. By leveraging the intracellular ubiquitin-proteasome system, PROTACs selectively degrade target proteins [1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.8326 mL | 9.1632 mL | 18.3264 mL |
| 5 mM | 0.3665 mL | 1.8326 mL | 3.6653 mL |
| 10 mM | 0.1833 mL | 0.9163 mL | 1.8326 mL |
| 50 mM | 0.0367 mL | 0.1833 mL | 0.3665 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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