

Biotin-PEG36-acid

Chemical Properties

CAS No. :

Formula: C85H165N3O40S

Molecular Weight: 1901.3

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 | Biotin-PEG36-acid, a PEG-based linker for PROTACs, connects two essential ligands, facilitating the formation of PROTAC molecules. This linker promotes selective protein degradation by utilizing the ubiquitin-proteasome system within cells. |
| Targets(IC50) | Others,PROTAC Linker |
| In vitro | PROTACs consist of two ligands joined by a linker; one ligand targets an E3 ubiquitin ligase, and the other binds the target protein. They utilize the intracellular ubiquitin-proteasome system to specifically degrade target proteins[1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.526 mL | 2.6298 mL | 5.2596 mL |
| 5 mM | 0.1052 mL | 0.526 mL | 1.0519 mL |
| 10 mM | 0.0526 mL | 0.263 mL | 0.526 mL |
| 50 mM | 0.0105 mL | 0.0526 mL | 0.1052 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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