

Dde Biotin-PEG4-alkyne

Chemical Properties

CAS No. : 1802908-00-4

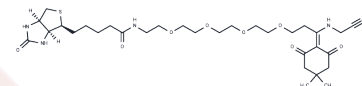
Formula: C32H50N4O8S

Molecular Weight: 650.83

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

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|---------------|--|
| Description | Dde Biotin-PEG4-alkyne is a PEG-based linker for PROTACs, facilitating the formation of PROTAC molecules by connecting two essential ligands, and enabling selective protein degradation through the ubiquitin-proteasome system within cells. |
| Targets(IC50) | Others,PROTAC Linker |
| In vitro | PROTACs consist of two ligands connected by a linker: one targets an E3 ubiquitin ligase, and the other targets the protein of interest. Utilizing the intracellular ubiquitin-proteasome system, PROTACs selectively degrade these target proteins [1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 1.5365 mL | 7.6825 mL | 15.365 mL |
| 5 mM | 0.3073 mL | 1.5365 mL | 3.073 mL |
| 10 mM | 0.1536 mL | 0.7682 mL | 1.5365 mL |
| 50 mM | 0.0307 mL | 0.1536 mL | 0.3073 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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