

Dde Biotin-PEG4-azide

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 1802907-93-2 |
| Formula: | C32H53N7O8S |
| Molecular Weight: | 695.88 |
| Storage: | Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |

Biological Description

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|---------------|--|
| Description | Dde Biotin-PEG4-azide is a PEG-based linker for PROTACs that joins two essential ligands, crucial for forming PROTAC molecules [ubiquitin-proteasome system]. |
| Targets(IC50) | Others,PROTAC Linker |
| In vitro | PROTACs consist of two ligands connected by a linker: one binds to an E3 ubiquitin ligase, and the other targets the specific protein. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.437 mL | 7.1851 mL | 14.3703 mL |
| 5 mM | 0.2874 mL | 1.437 mL | 2.8741 mL |
| 10 mM | 0.1437 mL | 0.7185 mL | 1.437 mL |
| 50 mM | 0.0287 mL | 0.1437 mL | 0.2874 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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