Data Sheet (Cat.No.T17431)



Amino-PEG36-Boc

Chemical Properties

CAS No.:

Formula: C79H159NO38

Molecular Weight: 1731.09

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

| Description | Amino-PEG36-Boc is a PEG-based linker for PROTACs which joins two essential ligands, crucial for forming PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells. |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Targets(IC50) | Others |
| In vitro | PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg | |
|-------|-----------|-----------|-----------|--|
| 1 mM | 0.5777 mL | 2.8884 mL | 5.7767 mL | |
| 5 mM | 0.1155 mL | 0.5777 mL | 1.1553 mL | |
| 10 mM | 0.0578 mL | 0.2888 mL | 0.5777 mL | |
| 50 mM | 0.0116 mL | 0.0578 mL | 0.1155 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.

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

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