

Pyrene-PEG2-azide

Chemical Properties

CAS No. : 2135330-58-2

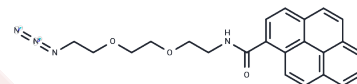
Formula: C₂₃H₂₂N₄O₃

Molecular Weight: 402.45

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 | Pyrene-PEG2-azide is a PEG-based linker for PROTACs, connecting two essential ligands necessary for PROTAC molecule formation and facilitating selective protein degradation via 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 targets the protein of interest. They utilize the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1]. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.4848 mL | 12.4239 mL | 24.8478 mL |
| 5 mM | 0.497 mL | 2.4848 mL | 4.9696 mL |
| 10 mM | 0.2485 mL | 1.2424 mL | 2.4848 mL |
| 50 mM | 0.0497 mL | 0.2485 mL | 0.497 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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