

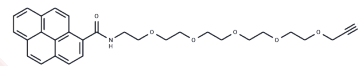
## Pyrene-PEG5-propargyl

## Chemical Properties

CAS No. : 1817735-33-3

Formula: C30H33NO6

Molecular Weight: 503.59



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-PEG5-propargyl is a PEG-based linker for PROTACs, joining two essential ligands crucial for PROTAC molecule formation, and enabling selective protein degradation by leveraging the ubiquitin-proteasome system within cells.         |
| 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 a specific protein. They leverage the intracellular ubiquitin-proteasome system to selectively degrade target proteins [1]. |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.9857 mL | 9.9287 mL | 19.8574 mL |
| 5 mM  | 0.3971 mL | 1.9857 mL | 3.9715 mL  |
| 10 mM | 0.1986 mL | 0.9929 mL | 1.9857 mL  |
| 50 mM | 0.0397 mL | 0.1986 mL | 0.3971 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

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