

## Propargyl-PEG8-OH

## Chemical Properties

CAS No. : 1351556-81-4

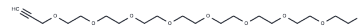
Formula: C19H36O9

Molecular Weight: 408.48

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   | Propargyl-PEG8-OH is a PEG-based linker for PROTACs, joining 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,PROTAC Linker  |
| In vitro      | PROTACs consist of two ligands connected by a linker: one ligand targets an E3 ubiquitin ligase, and the other targets the desired protein. By leveraging the intracellular ubiquitin-proteasome system, PROTACs selectively degrade target proteins. |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg      |
|-------|-----------|------------|-----------|
| 1 mM  | 2.4481 mL | 12.2405 mL | 24.481 mL |
| 5 mM  | 0.4896 mL | 2.4481 mL  | 4.8962 mL |
| 10 mM | 0.2448 mL | 1.2241 mL  | 2.4481 mL |
| 50 mM | 0.049 mL  | 0.2448 mL  | 0.4896 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

Goswami LN, et al. Efficient synthesis of diverse heterobifunctionalized clickable oligo(ethylene glycol) linkers: potential applications in bioconjugation and targeted drug delivery. Org Biomol Chem. 2013 Feb 21;11(7):1116-26.

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