

## Bromo-PEG4-azide

## Chemical Properties

CAS No. : 1951439-37-4

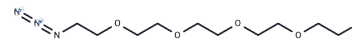
Formula: C10H20BrN3O4

Molecular Weight: 326.19

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   | Bromo-PEG4-azide 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,PROTAC Linker  |
| In vitro      | PROTACs consist of two ligands linked together: one targets an E3 ubiquitin ligase and the other targets a specific protein. These compounds harness the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1]. |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg      |
|-------|-----------|------------|-----------|
| 1 mM  | 3.0657 mL | 15.3285 mL | 30.657 mL |
| 5 mM  | 0.6131 mL | 3.0657 mL  | 6.1314 mL |
| 10 mM | 0.3066 mL | 1.5328 mL  | 3.0657 mL |
| 50 mM | 0.0613 mL | 0.3066 mL  | 0.6131 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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