

## Propargyl-PEG5-azide

## Chemical Properties

CAS No. : 1589522-62-2

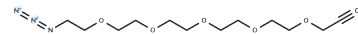
Formula: C13H23N3O5

Molecular Weight: 301.343

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-PEG5-azide is a PEG-based linker for PROTACs, connecting two essential ligands to facilitate the formation of PROTAC molecules. This linker enables selective protein degradation by leveraging the ubiquitin-proteasome system within cells.
Targets(IC50)	Others,PROTAC Linker
In vitro	PROTACs, which comprise two ligands connected by a linker—a ligand for an E3 ubiquitin ligase and a ligand for the target protein—exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3185 mL	16.5926 mL	33.1851 mL
5 mM	0.6637 mL	3.3185 mL	6.637 mL
10 mM	0.3319 mL	1.6593 mL	3.3185 mL
50 mM	0.0664 mL	0.3319 mL	0.6637 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

Nalawansha DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. Cell Chem Biol. 2020;27(8):998-1012.

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