

## Propargyl-PEG5-amine

## Chemical Properties

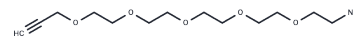
CAS No. : 1589522-46-2

Formula: C13H25NO5

Molecular Weight: 275.34

Storage: Keep away from direct sunlight  
 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-amine is a non-cleavable linker compound used extensively in the synthesis of antibody-drug conjugates (ADCs) and PROTACs, and Propargyl-PEG5-amine functions as a PEG-based connector that facilitates stable conjugation between molecular components. Propargyl-PEG5-amine supports modular assembly strategies in targeted therapeutic design by providing a robust, hydrophilic spacer that enhances solubility and structural flexibility during ADC and PROTAC construction, which enables the efficient bio-conjugation workflows in chemical biology and medicinal chemistry research.
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	Antibody-drug conjugates (ADCs) consist of an antibody linked to a cytotoxin through an ADC linker. Proteolysis targeting chimeras (PROTACs) include two different ligands connected by a linker: one targets an E3 ubiquitin ligase, and the other targets the protein of interest, leveraging the ubiquitin-proteasome system for selective protein degradation.

## Solubility Information

Solubility	DMSO: 80 mg/mL (290.55 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	3.6319 mL	18.1594 mL	36.3187 mL
5 mM	0.7264 mL	3.6319 mL	7.2637 mL
10 mM	0.3632 mL	1.8159 mL	3.6319 mL
50 mM	0.0726 mL	0.3632 mL	0.7264 mL

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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

Robert Zamboni, et al. Raf-degrading conjugate compounds. WO2018200981A1.

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