# Data Sheet (Cat.No.T16636)

TargetMol

## Propargyl-PEG5-amine

### Chemical Properties

CAS No. : 1589522-46-2

Formula: C13H25NO5

Molecular Weight: 275.341

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

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| 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

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| Solubility | DMSO: 80.00 mg/mL (290.55 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |

Preparing Stock Solutions

| | 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 |

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.