

## Propargyl-PEG2-amine

## Chemical Properties

CAS No. : 944561-44-8

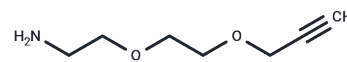
Formula: C7H13NO2

Molecular Weight: 143.18

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-PEG2-amine, a non-cleavable ADC linker, is used in the synthesis of antibody-drug conjugates (ADCs) and serves as a PEG-based PROTAC linker for PROTAC synthesis [1][2].
Targets(IC50)	ADC Linker,PROTAC Linker
In vitro	ADCs, or antibody-drug conjugates, consist of an antibody that is linked to a cytotoxic drug molecule via a specialized linker. This allows the antibody to specifically target certain cells or proteins, while the attached cytotoxin can selectively destroy those targeted cells. PROTACs, or proteolysis-targeting chimeras, are composed of two distinct ligands joined by a linker. One of these ligands binds to a specific protein target, while the other binds to an E3 ubiquitin ligase. When the PROTAC binds to both the target protein and the E4 ligase, it triggers the ubiquitin-proteasome system within cells to degrade the target protein, thereby providing a mechanism for targeted protein degradation.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.9842 mL	34.9211 mL	69.8422 mL
5 mM	1.3968 mL	6.9842 mL	13.9684 mL
10 mM	0.6984 mL	3.4921 mL	6.9842 mL
50 mM	0.1397 mL	0.6984 mL	1.3968 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

Changchun Wang, et al. A kind of antibody coupling matter and its construction method containing boron ester units polymer. CN108721642A.

Guangrong Zheng, et al. Bcl-2 proteins degraders for cancer treatment. WO2019144117A1.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481