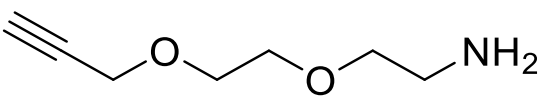


# Product data sheet



MedKoo Cat#: 571696 Name: Propargyl-PEG2-amine CAS#: 944561-44-8 Chemical Formula: C <sub>7</sub> H <sub>13</sub> NO <sub>2</sub> Exact Mass: 143.0946 Molecular Weight: 143.19		
Product supplied as:	Powder	
Purity (by HPLC):	≥ 98%	
Shipping conditions	Ambient temperature	
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.	

## 1. Product description:

Propargyl-PEG2-amine is a PEG derivative containing a propargyl group and an amino group. The amino group is reactive with carboxylic acids, activated NHS esters, carbonyls (ketone, aldehyde) etc. The propargyl group can be reacted with azide-bearing compounds or biomolecules via copper catalyzed azide-alkyne Click Chemistry to yield a stable triazole linkage. PEG Linkers are useful in the development of antibody drug conjugates (ADCs).

## 2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

## 3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMSO	100.0	698.37

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	6.98 mL	34.92 mL	69.84 mL
5 mM	1.40 mL	6.98 mL	13.97 mL
10 mM	0.70 mL	3.49 mL	6.98 mL
50 mM	0.14 mL	0.70 mL	1.40 mL

## 5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

## 6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

N/A

In vivo study

N/A

## 7. Bioactivity

Biological target:

Propargyl-PEG2-amine is a non-cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). Propargyl-PEG2-amine is a PEG-based PROTAC linker can be used in the synthesis of PROTACs.

In vitro activity

N/A

In vivo activity

N/A

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*Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.*