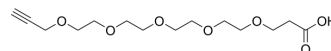


Propargyl-PEG5-acid

Cat. No.:	HY-101157
CAS No.:	1245823-51-1
Molecular Formula:	C ₁₄ H ₂₄ O ₇
Molecular Weight:	304.34
Target:	ADC Linker; PROTAC Linkers
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (328.58 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	3.2858 mL	16.4290 mL	32.8580 mL
		5 mM	0.6572 mL	3.2858 mL	6.5716 mL
	10 mM	0.3286 mL	1.6429 mL	3.2858 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (8.21 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.21 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.21 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Propargyl-PEG5-acid is a non-cleavable 5 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs). Propargyl-PEG5-acid can be used to synthesize ADC inhibitors of Galectin-3. Propargyl-PEG5-acid is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs ^[1] . Propargyl-PEG5-acid is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.	
IC ₅₀ & Target	Non-cleavable Linker	PEGs
In Vitro	ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker. MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Zhang H, et al. Thiodigalactoside-Bovine Serum Albumin Conjugates as High-Potency Inhibitors of Galectin-3: An Outstanding Example of Multivalent Presentation of Small Molecule Inhibitors. *Bioconjug Chem.* 2018 Apr 18;29(4):1266-1275.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA