

Propargyl-PEG8-NH2

Cat. No.:	HY-130182
CAS No.:	1196732-52-1
Molecular Formula:	C ₁₉ H ₃₇ NO ₈
Molecular Weight:	407.5
Target:	ADC Linker; PROTAC Linkers
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



BIOLOGICAL ACTIVITY

Description	Propargyl-PEG8-NH2 (compound 3b) is a PEG-based PROTAC linker can be used in the synthesis of PROTACs. Propargyl-PEG8-NH2 is a non-cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs) ^[1] . Propargyl-PEG8-NH2 is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.	
IC₅₀ & Target	Non-cleavable Linker	PEGs
In Vitro	PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins. 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]. Genady AR, et al. Preparation and Evaluation of Radiolabeled Antibody Recruiting Small Molecules That Target Prostate-Specific Membrane Antigen for Combined Radiotherapy and Immunotherapy. J Med Chem. 2016 Mar 24;59(6):2660-73.

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

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