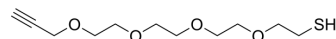


Propargyl-PEG4-thiol

Cat. No.:	HY-116427
CAS No.:	1347750-80-4
Molecular Formula:	C ₁₁ H ₂₀ O ₄ S
Molecular Weight:	248.34
Target:	ADC Linker; PROTAC Linkers
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Propargyl-PEG4-thiol is a PEG-based PROTAC linker can be used in the synthesis of PROTACs. Propargyl-PEG4-thiol is a non-cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs) ^[1] . Propargyl-PEG4-thiol 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]. Goswami LN, et al. Efficient synthesis of diverse heterobifunctionalized clickable oligo(ethylene glycol) linkers: potential applications in bioconjugation and targeted drug delivery.

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

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