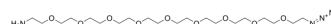


Azido-PEG9-amine

Cat. No.:	HY-130169		
CAS No.:	1207714-69-9		
Molecular Formula:	C ₂₀ H ₄₂ N ₄ O ₉		
Molecular Weight:	482.57		
Target:	ADC Linker; PROTAC Linkers		
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	Azido-PEG9-amine is a non-cleavable 9 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs). Azido-PEG9-amine is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs ^[1] . Azido-PEG9-amine is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.	
IC₅₀ & Target	Non-cleavable Linker	PEGs
In Vitro	ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker. 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. MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Lee SM, et al. "Clickable" polymer-caged nanobins as a modular drug delivery platform. J Am Chem Soc. 2009 Jul 8;131(26):9311-20.

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

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