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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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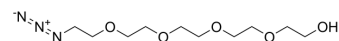
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Azido-PEG5-alcohol

Cat. No.:	HY-130211		
CAS No.:	86770-68-5		
Molecular Formula:	C ₁₀ H ₂₁ N ₃ O ₅		
Molecular Weight:	263.29		
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-PEG5-alcohol is a non-cleavable 5 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs) ^[1] . Azido-PEG5-alcohol is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs ^[2] . Azido-PEG5-alcohol 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	PEGs	Non-cleavable Linker
In Vitro	ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker ^[1] . 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 ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Zhang FL, et al. Molecular-target-based anticancer photosensitizer: synthesis and in vitro photodynamic activity of erlotinib-zinc(II) phthalocyanine conjugates. ChemMedChem. 2015 Feb;10(2):312-20.

[2]. Nan JI, et al. MERTK degraders and uses thereof. WO2020010210A1.

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

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