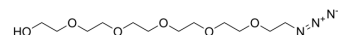


Azido-PEG6-alcohol

Cat. No.:	HY-130537		
CAS No.:	86770-69-6		
Molecular Formula:	C ₁₂ H ₂₅ N ₃ O ₆		
Molecular Weight:	307.34		
Target:	PROTAC Linkers; ADC Linker		
Pathway:	PROTAC; Antibody-drug Conjugate/ADC Related		
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-PEG6-alcohol is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs ^[1] . Azido-PEG6-alcohol is also a non-cleavable 6 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs) ^[2] . Azido-PEG6-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	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 ^[1] . ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.		

REFERENCES

- [1]. Zorba A, et al. Delineating the role of cooperativity in the design of potent PROTACs for BTK. Proc Natl Acad Sci U S A. 2018 Jul 31;115(31):E7285-E7292.
- [2]. Loredana Vesci, et al. HDAC INHIBITORS-BASED ANTIBODY DRUG CONJUGATES (ADCs) AND USE IN THERAPY. WO2018178060A1.

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

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