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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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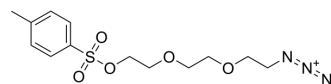
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Azide-PEG3-Tos

Cat. No.:	HY-140004		
CAS No.:	178685-33-1		
Molecular Formula:	C ₁₃ H ₁₉ N ₃ O ₅ S		
Molecular Weight:	329.37		
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	Azide-PEG3-Tos is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs ^[1] . Azide-PEG3-Tos is also a non-cleavable 3 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs) ^[2] . Azide-PEG3-Tos 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]. Borchmann DE, et al. GRGDS-Functionalized Poly(lactide)-graft-poly(ethylene glycol) Copolymers: Combining Thiol-Ene Chemistry with Staudinger Ligation. *Macromolecules*. 2013 Jun 11;46(11):4426-4431.

[2]. Park, Tae Kyo, et al. Compound bearing beta-galactoside-introduced self-immolative linker. WO2018124758A2.

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

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