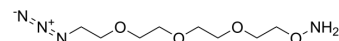


Aminoxy-PEG3-azide

Cat. No.:	HY-126949
CAS No.:	1306615-51-9
Molecular Formula:	C ₈ H ₁₈ N ₄ O ₄
Molecular Weight:	234.25
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	<p>Aminoxy-PEG3-azide is a non-cleavable 3 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs)^[1]. Aminoxy-C2-PEG3-azide is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs^[2]. Aminoxy-PEG3-azide 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.</p>	
IC₅₀ & Target	PEGs	Non-cleavable Linker
In Vitro	<p>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.</p>	

REFERENCES

- [1]. Chanhyuk KIM, et al. Optimized chimeric receptor t cell switches and uses thereof. WO2016168766A1.
- [2]. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562.

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

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