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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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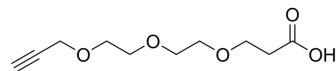
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Propargyl-PEG3-acid

Cat. No.:	HY-126975		
CAS No.:	1347760-82-0		
Molecular Formula:	C ₁₀ H ₁₆ O ₅		
Molecular Weight:	216.23		
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



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (462.47 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.6247 mL	23.1235 mL	46.2471 mL
	5 mM	0.9249 mL	4.6247 mL	9.2494 mL
	10 mM	0.4625 mL	2.3124 mL	4.6247 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Propargyl-PEG3-acid is a non-cleavable (3 unit PEG) ADC linker and also a PEG-based PROTAC linker that can be used to synthesis 6-OHDA-PEG3-yne. 6-OHDA-PEG3-yne contains 6-OHDA (HY-B1081, HY-B1081A) and Propargyl-PEG3-acid^[1]. Propargyl-PEG3-acid is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide 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. 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]. Farzam A, et al. A functionalized hydroxydopamine quinone links thiol modification to neuronal cell death. Redox Biol. 2020 Jan;28:101377.

[2]. Albone, Earl F, et al. ERIBULIN-BASED ANTIBODY-DRUG CONJUGATES AND METHODS OF USE. Patent. 20170252458.

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

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