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Produktinformation



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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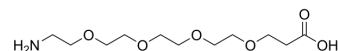
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NH2-PEG4-CH2CH2COOH

Cat. No.:	HY-W021787
CAS No.:	663921-15-1
Molecular Formula:	C ₁₁ H ₂₃ NO ₆
Molecular Weight:	265.3
Target:	ADC Linker; PROTAC Linkers
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 10 mg/mL (37.69 mM); ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.7693 mL	18.8466 mL	37.6932 mL
		5 mM	0.7539 mL	3.7693 mL	7.5386 mL
		10 mM	0.3769 mL	1.8847 mL	3.7693 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1 mg/mL (3.77 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1 mg/mL (3.77 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1 mg/mL (3.77 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	NH2-PEG4-CH2CH2COOH is a cleavable 4 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs). NH2-PEG4-CH2CH2COOH is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs.	
IC₅₀ & Target	Cleavable Linker	PEGs
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]. Hans-Georg Lerchen, et al. Antibody drug conjugates (adcs) having enzymatically cleavable groups. WO2018114578A1.

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

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