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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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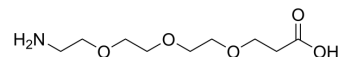
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Amino-PEG3-C2-acid

Cat. No.:	HY-W040165
CAS No.:	784105-33-5
Molecular Formula:	C ₉ H ₁₉ NO ₅
Molecular Weight:	221.25
Target:	ADC Linker; PROTAC Linkers
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (451.98 mM; ultrasonic and warming and heat to 60°C)					
	DMF : 3.33 mg/mL (15.05 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		4.5198 mL	22.5989 mL	45.1977 mL
5 mM			0.9040 mL	4.5198 mL	9.0395 mL	
	10 mM		0.4520 mL	2.2599 mL	4.5198 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (11.30 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (11.30 mM); Clear solution 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (11.30 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Amino-PEG3-C2-acid is a cleavable PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs). Amino-PEG3-C2-acid is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs ^[1] .	
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]. Kevin HAMBLETT, et al. Anti-her2 biparatopic antibody-drug conjugates and methods of use. WO2019173911A1.

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

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