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Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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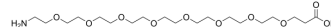
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NH2-PEG8-acid

Cat. No.:	HY-W019798
CAS No.:	756526-04-2
Molecular Formula:	C ₁₉ H ₃₉ NO ₁₀
Molecular Weight:	441.51
Target:	ADC Linker; PROTAC Linkers
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (113.25 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.2650 mL	11.3248 mL	22.6495 mL
		5 mM		0.4530 mL	2.2650 mL	4.5299 mL
10 mM		0.2265 mL	1.1325 mL	2.2650 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: ≥ 2.5 mg/mL (5.66 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.66 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.66 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	NH2-PEG8-acid is a non-cleavable 8 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs) ^[1] . NH2-PEG8-acid also is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs ^[2] .	
IC₅₀ & Target	Non-cleavable Linker	PEGs
In Vitro	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.	

REFERENCES

[1]. Michael Nathaniel ALONSO, et al. Antibody adjuvant conjugates. WO2018009916A1.

[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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