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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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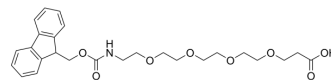
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Fmoc-NH-PEG4-CH2CH2COOH

Cat. No.:	HY-W000434
CAS No.:	557756-85-1
Molecular Formula:	C ₂₆ H ₃₃ NO ₈
Molecular Weight:	487.54
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 (205.11 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	2.0511 mL	10.2556 mL	20.5111 mL
		5 mM	0.4102 mL	2.0511 mL	4.1022 mL
	10 mM	0.2051 mL	1.0256 mL	2.0511 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 (5.13 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.13 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.13 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	Fmoc-NH-PEG4-CH2CH2COOH is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). Fmoc-NH-PEG4-CH2CH2COOH 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]. Cai P, et al. Synthesis of C3-Alkylated Indoles on DNA via Indolyl Alcohol Formation Followed by Metal-Free Transfer Hydrogenation. Org Lett. 2019 Aug 14.

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

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