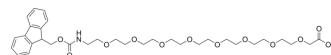


Fmoc-NH-PEG8-CH2COOH

Cat. No.:	HY-133063
CAS No.:	868594-52-9
Molecular Formula:	C ₃₃ H ₄₇ NO ₁₂
Molecular Weight:	649.73
Target:	ADC Linker; PROTAC Linkers
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (153.91 mM; Need ultrasonic)				
		Mass			
		Solvent Concentration	1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	1.5391 mL	7.6955 mL	15.3910 mL
		5 mM	0.3078 mL	1.5391 mL	3.0782 mL
10 mM		0.1539 mL	0.7696 mL	1.5391 mL	
Please refer to the solubility information to select the appropriate solvent.					

BIOLOGICAL ACTIVITY

Description	Fmoc-NH-PEG8-CH2COOH is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). Fmoc-NH-PEG8-CH2COOH is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs ^[1] .		
IC ₅₀ & Target	Cleavable Linker	PEGs	Alkyl/ether
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]. Michael A, et al. Synthesis of Bifunctional Integrin-Binding Peptides Containing PEG Spacers of Defined Length for Non-Viral Gene Delivery. Volume2008, Issue17.

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

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