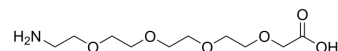


Amino-PEG4-CH₂COOH

Cat. No.:	HY-130524
CAS No.:	195071-49-9
Molecular Formula:	C ₁₀ H ₂₁ NO ₆
Molecular Weight:	251.28
Target:	PROTAC Linkers; ADC Linker
Pathway:	PROTAC; Antibody-drug Conjugate/ADC Related
Storage:	4°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 (397.96 mM; Need ultrasonic)					
		Solvent Concentration	Mass			
	Preparing Stock Solutions			1 mg	5 mg	10 mg
		1 mM		3.9796 mL	19.8981 mL	39.7962 mL
		5 mM		0.7959 mL	3.9796 mL	7.9592 mL
	10 mM		0.3980 mL	1.9898 mL	3.9796 mL	
Please refer to the solubility information to select the appropriate solvent.						

BIOLOGICAL ACTIVITY

Description	Amino-PEG4-CH ₂ COOH is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs ^[1] . Amino-PEG4-CH ₂ COOH is also a non-cleavable 4 unit PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs) ^[2] .	
IC ₅₀ & Target	PEGs	Non-cleavable Linker
In Vitro	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 ^[1] . ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Nan Ji, et al. Merck degraders and uses thereof. WO2020010210A1.

[2]. Maggie Lu, et al. Linker-drug and antibody-drug conjugate (adc) employing the same. EP3335734A1.

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

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