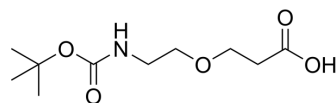


Boc-NH-PEG1-CH₂CH₂COOH

Cat. No.:	HY-120775		
CAS No.:	1260092-44-1		
Molecular Formula:	C ₁₀ H ₁₉ NO ₅		
Molecular Weight:	233.26		
Target:	PROTAC Linkers; ADC Linker		
Pathway:	PROTAC; Antibody-drug Conjugate/ADC Related		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	Boc-NH-PEG1-CH ₂ CH ₂ COOH is a cleavable (1 unit PEG) ADC linker and also a PEG- and Alkyl/ether-based PROTAC linker can be used in the synthesis of antibody-drug conjugates (ADCs) or PROTACs ^{[1][2]} .		
IC₅₀ & Target	PEGs	Alkyl/ether	Cleavable
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]. Darren H. Wakefield, et al. Poly(vinyl ester) Polymers for In Vivo Nucleic Acid Delivery. US20130121954A1.

[2]. Alex Cortez, et al. Antibody conjugates comprising toll-like receptor agonist and combination therapies. WO2018198091A1.

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

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