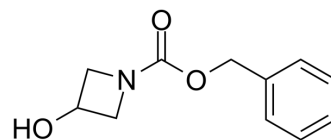


1-Cbz-3-Hydroxyazetidine

Cat. No.:	HY-77475		
CAS No.:	128117-22-6		
Molecular Formula:	C ₁₁ H ₁₃ NO ₃		
Molecular Weight:	207.23		
Target:	ADC Linkers; PROTAC Linkers		
Pathway:	Antibody-drug Conjugate/ADC Related; PROTAC		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	1-Cbz-3-Hydroxyazetidine is a non-cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). 1-Cbz-3-Hydroxyazetidine is also a alkyl chain-based PROTAC linker that can be used in the synthesis of PROTACs.
IC₅₀ & Target	Non-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]. Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. *Nat Rev Drug Discov.* 2017;16(5):315-337.
- [2]. Nalawansa DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. *Cell Chem Biol.* 2020;27(8):998-985.

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

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