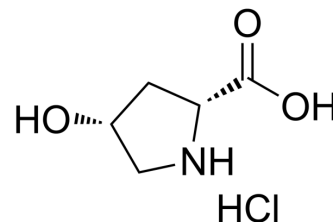


(2R,4R)-4-Hydroxypyrrolidine-2-carboxylic acid hydrochloride

Cat. No.:	HY-76104
CAS No.:	77449-94-6
Molecular Formula:	C ₅ H ₁₀ ClNO ₃
Molecular Weight:	167.59
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)



BIOLOGICAL ACTIVITY

Description	cis-4-Hydroxy-D-proline hydrochloride is a non-cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). cis-4-Hydroxy-D-proline hydrochloride 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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