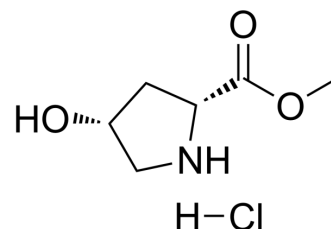


D-Proline, 4-hydroxy-, methyl ester hydrochloride

Cat. No.:	HY-76105
CAS No.:	114676-59-4
Molecular Formula:	C ₆ H ₁₂ ClNO ₃
Molecular Weight:	181.62
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	D-Proline, 4-hydroxy-, methyl ester hydrochloride is a non-cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). D-Proline, 4-hydroxy-, methyl ester hydrochloride is also a alkyl chain-based PROTAC linker that can be used in the synthesis of PROTACs[2]
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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