# cis-4-Hydroxy-L-proline hydrochloride

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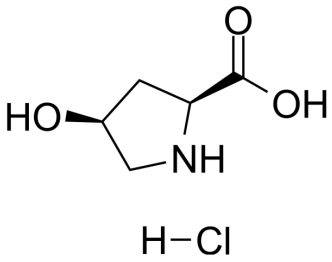
| **Cat. No.:** | HY-W019213 |
| **CAS No.:** | 441067-49-8 |
| **Molecular Formula:** | $C_5H_{10}ClNO_3$ |
| **Molecular Weight:** | 167.59 |
| **Target:** | ADC Linker; PROTAC Linkers |
| **Pathway:** | Antibody-drug Conjugate/ADC Related; PROTAC |
| **Storage:** | Powder -20°C 3 years<br>4°C 2 years<br>In solvent -80°C 6 months<br>-20°C 1 month |




## BIOLOGICAL ACTIVITY

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| **Description** | cis-4-Hydroxy-L-proline hydrochloride is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs).<br>cis-4-Hydroxy-L-proline hydrochloride is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs. |
| **$IC_{50}$ & Target** | Non-cleavable Linker |
| **In Vitro** | ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker[1].<br>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].<br>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]. Nalawansha DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. Cell Chem Biol. 2020;27(8):998-985.



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