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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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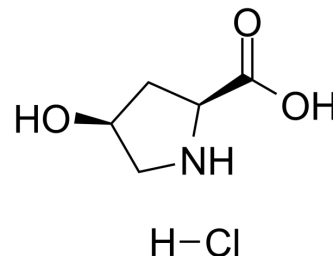
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cis-4-Hydroxy-L-proline hydrochloride

| | | | |
|---------------------------|--|-------|----------|
| Cat. No.: | HY-W019213 | | |
| CAS No.: | 441067-49-8 | | |
| 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: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



BIOLOGICAL ACTIVITY

| | |
|-------------------------------------|---|
| Description | cis-4-Hydroxy-L-proline hydrochloride is a cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). cis-4-Hydroxy-L-proline hydrochloride is also a PEG-based PROTAC linker that can be used in the synthesis of PROTACs. |
| IC₅₀ & Target | Non-cleavable Linker |
| 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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