



CERTIFICATE OF ANALYSIS

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1. Identification

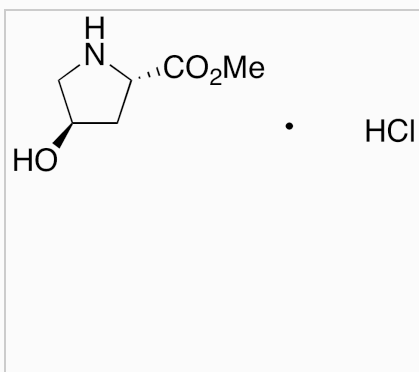
Catalogue Number: H952395

CAS Number: 40216-83-9

Product: trans-4-Hydroxy-L-proline Methyl Ester Hydrochloride

Synonym: L-Hydroxyproline Methyl Ester Hydrochloride; Methyl (2S,4R)-4-Hydroxy-2-pyrrolidinecarboxylate Hydrochloride; Methyl L-Hydroxyprolinate Hydrochloride; Methyl trans-4-Hydroxy-L-prolinate Hydrochloride; trans-4-Hydroxy-L-proline Methyl Ester Hydrochloride; trans-4-Hydroxyproline Methyl Ester Hydrochloride; 2S,4R)-Methyl 4-hydroxypyrrolidine-2-carboxylate Hydrochloride

Structure:



Molecular Formula:

C₆H₁₂ClNO₃

Molecular weight:

181.62

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Sparingly), Water (Sparingly)

Lot Number: 7-DPM-130-2

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 39.42, %H: 6.27, %N: 7.65
HPLC Purity	Report Result	96.61% (ELSD)
MS	Conforms to Structure	Conforms
NMR	Conforms to Structure	Conforms
Appearance	White to Off-White Solid	White to Off-White Solid
Specific Rotation	Report Result	-29.5° (c = 0.2, Water)
Chloride Content	Report Result	19.7%

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Nicole Yip	Toni Rantanen	Chanell Chu	11/16/2021	11/14/2025
				