



CERTIFICATE OF ANALYSIS

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1. Identification

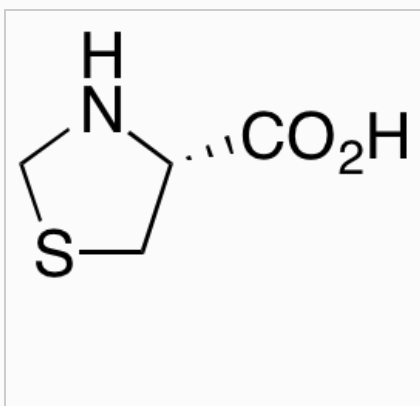
Catalogue Number: T344235

CAS Number: 34592-47-7

Product: L-Thioproline

Synonym: (R)-4-Thiazolidinecarboxylic Acid; L- 4-Thiazolidinecarboxylic Acid; (4R)-1,3-Thiazolidine-4-carboxylic Acid; (4R)-4-Thiazolidinecarboxylic Acid; (R)-(-)-Thiazolidine-4-carboxylic Acid; (R)-4-Thiazolidinecarboxylic Acid; L-4-Thiazolidinecarboxylic Acid

Structure:



Molecular Formula:

C₄H₇NO₂S

Molecular weight:

133.17

Source of Product:

N/A

Solubility:

DMSO (Slightly, Heated),
Water (Sparingly, Heated,
Sonicated)

Lot Number: 5-FGD-265-1

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:
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	98.68% (ELSD)
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	-133.4° (c = 1.2, Water)
Elemental Analysis	Conforms	%C: 36.23, %H: 4.82, %N: 10.53

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
Henry Tieu	Toni Rantanen	Chanell Chu	12/8/2021	12/6/2025

