

1. Identification

Catalogue Number

P755998

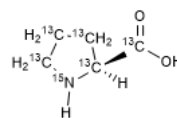
Lot Number

2024-NKR-033

Product Name

L-Proline-13C5,15N

Structure



Synonyms

(-)-2-Pyrrolidinecarboxylic Acid-13C5,15N; (-)-Proline-13C5,15N; (S)-(-)-Proline-13C5,15N; (S)-2-Carboxypyrrolidine-13C5,15N; (S)-2-Pyrrolidinecarboxylic Acid-13C5,15N; (S)-Proline-13C5,15N; 2-Pyrrolidinecarboxylic Acid-13C5,15N; L-(-)-Proline-13C5,15N; L-Pyrrolidine-2-carboxylic Acid-13C5,15N; L-α-Pyrrolidinecarboxylic Acid-13C5,15N; NSC 46703-13C5,15N; Proline-13C5,15N;

CAS Number

N/A

Solubility

Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

¹³C₅H₉¹⁵N₂

Source of Product

N/A

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

121.09

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Off-White Solid	Off-White Solid
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 49.25, %H: 7.36, %N: 11.71
HPLC Purity	>95%	99.88% (ELSD)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	>99.9%

Additional Information

Normalized Intensity: ¹³C₀ = 0.00%, ¹³C₁ = 0.00%, ¹³C₂ = 0.00%, ¹³C₃ = 0.00%, ¹³C₄ = 0.00%, ¹³C₅ = 0.00%, ¹³C₆ = 100.00%

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

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
			3/22/2024	3/20/2028
Henry Tieu	Toni Rantanen	Chanell Chu		
Product Quality Specialist	Manager, Quality Assurance	Quality Assurance Associate		