

1. Identification

Catalogue Number

P190302

Lot Number

20-MGG-170-3

Product Name

Pantothenic Acid-13C3,15N Hemicalcium Salt

Synonyms

N-[(2R)-2,4-Dihydroxy-3,3-dimethyl-1-oxobutyl]-?-alanine-13C3,15N Hemicalcium; (+)-Pantothenic Acid-13C3,15N Hemicalcium; (D)-(+)-Pantothenic Acid-13C3,15N Hemicalcium; D(+)-N-(2,4-Dihydroxy-3,3-dimethylbutyryl)-?-alanine-13C3,15N Hemicalcium; D-Pantothenic Acid-13C3,15N Hemicalcium; Pantothenic Acid-13C3,15N Hemicalcium; Vitamin B3-13C3,15N Hemicalcium; Vitamin B5-13C3,15N

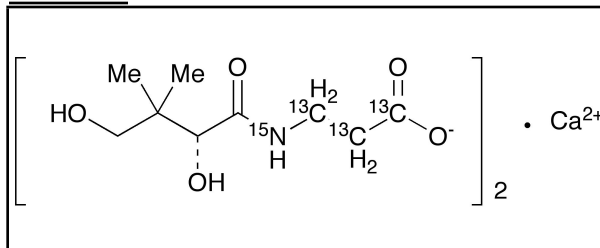
CAS Number

356786-94-2

Solubility

Methanol (Slightly), Water (Slightly)

Structure



Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₂¹³C₆H₃₂Ca¹⁵N₂O₁₀ • Ca²⁺

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

2 (222.20) +(40.08)

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

Tests	Specifications	Results
Appearance	Off-White to Pale Beige Solid	Pale Yellow to Pale Beige Solid
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 41.74, %H: 6.57, %N: 5.47
HPLC Purity	>95%	100.00% (ELSD)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	99.3%



Additional Information

Normalized Intensity: d₀ = 0.00%, d₁ = 0.00%, d₂ = 0.04%, d₃ = 2.77%, d₄ = 97.19%

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
			7/12/2025	7/10/2029
Nicole Yip	Toni Rantanen	Nicole Badiali		
Product Quality Specialist	Manager, Quality Assurance	Quality Assurance Associate		