



CERTIFICATE OF ANALYSIS

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1. Identification

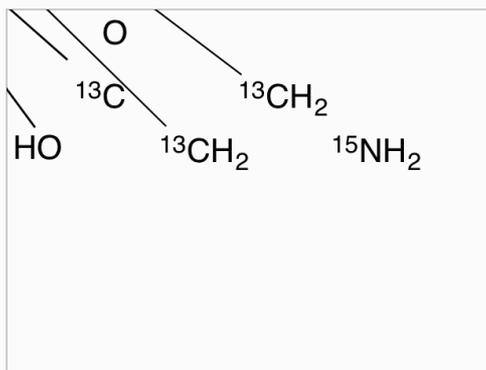
Catalogue Number: A637324

CAS Number: 285978-07-6

Product: b-Alanine-13C3,15N

Synonym: β-Alanine-1,2,3-13C3-15N; β-Alanine-13C3-15N;

Structure:



Molecular Formula:

$^{13}\text{C}_3\text{H}_7^{15}\text{NO}_2$

Molecular weight:

93.06

Source of Product:

N/A

Solubility:

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

Lot Number: 3-PVA-66-1

Purity: 95%

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:
NMR	Conforms to Structure	Conforms
C NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 38.28, %H: 7.85, %N: 13.82
MS	Conforms to Structure	Conforms
Appearance	White to Off-White Solid	White Solid
Isotopic Purity	>95%	>99.9%
Water Content	Report Result	~5.3% based on Elemental Analysis

Additional Information:

Normalized Intensity: $^{13}\text{C}0 = 0.02\%$, $^{13}\text{C}1 = 0.02\%$, $^{13}\text{C}2 = 0.00\%$, $^{13}\text{C}3 = 0.00\%$, $^{13}\text{C}4 = 99.96\%$

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. 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

Evan Burns

Toni Rantanen

Chanell Chu

4/20/2022

4/18/2026

Evan Burns