Certificate of Analysis

L-Alanine-d₃-1

Cat. No.: HY-N0229S16
CAS No.: 19470-97-4
Batch No.: 397072

Chemical Name: L-Alanine-N,N,1-d3

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $C_3H_4D_3NO_2$ Molecular Weight: 92.11

Storage: Powder -20°C 3 years

4°C 2 years

In solvent -80°C 6 months

-20°C 1 month

Chemical Structure:

$$\mathsf{D}^{\mathsf{N}} \underbrace{\overset{\mathsf{O}}{\downarrow}}_{\mathsf{D}} \mathsf{O}^{\mathsf{D}}$$

ANALYTICAL DATA

Appearance: White to off-white (Solid)

¹ H NMR Spectrum: Consistent with structure

Purity (HPLC): ≥99.0%
Isotopic Enrichment: 99.1%

Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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