Certificate of Analysis

L-Alanine-d₄

Cat. No.: HY-N0229S3 CAS No.: 18806-29-6 Batch No.: 408632

Chemical Name: L-Alanine-2,3,3,3-d4

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $C_3H_3D_4NO_2$ Molecular Weight: 93.12

Storage: Powder -20°C 3 years

> 2 years $4^{\circ}C$

In solvent -80°C 6 months

1 month -20°C

Chemical Structure:

$$D \longrightarrow O \\ D \longrightarrow NH_2$$

ANALYTICAL DATA

Appearance: White to off-white (Solid) ¹H NMR Spectrum: Consistent with structure

Purity (HPLC): 99.97% **Isotopic Enrichment:** 99.5%

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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