# **Certificate of Analysis**

## L-Alanine-d<sub>3</sub>

 Cat. No.:
 HY-N0229S12

 CAS No.:
 63546-27-0

 Batch No.:
 405097

Chemical Name: L-Alanine-3,3,3-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:**

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

### **ANALYTICAL DATA**

Appearance: White to off-white (Solid)

<sup>1</sup> H NMR Spectrum: Consistent with structure

Purity (HPLC): 99.96%
Isotopic Enrichment: 99.8%

**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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