Certificate of Analysis

L-Serine-1-13C

Cat. No.: HY-N0650S2 CAS No.: 81201-84-5 Batch No.: 230555

Chemical Name: L-Serine-1-13C

PHYSICAL AND CHEMICAL PROPERTIES

 $C_2^{13}CH_7NO_3$ Molecular Formula: Molecular Weight: 106.09

Storage: Powder -20°C 3 years

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

In solvent -80°C 6 months

1 month -20°C

Chemical Structure:

HO
$$\stackrel{\text{O}}{\longrightarrow}$$
 OH $\stackrel{\text{NH}_2}{\longrightarrow}$

ANALYTICAL DATA

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

Purity (NMR): ≥98.0% **Isotopic Enrichment:** 99.80%

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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