

Certificate of Analysis

L-Tyrosine-13C9

Cat. No.: HY-N0473S3 CAS No.: 55443-60-2 Batch No.: 270291

Chemical Name: L-Tyrosine-carboxy, α , β , 1, 2, 3, 4, 5, 6-13C9

PHYSICAL AND CHEMICAL PROPERTIES

 $^{13}\text{C}_{9}\text{H}_{11}\text{NO}_{3}$ Molecular Formula: Molecular Weight: 190.12

Storage: Powder -20°C 3 years

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

In solvent -80°C 6 months

1 month -20°C

Chemical Structure:

ANALYTICAL DATA

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

Purity (HPLC): 99.81% **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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