## **Certificate of Analysis**

## D-Fructose-13C<sub>2</sub>

Cat. No.: HY-N7092S3 CAS No.: 2483736-14-5 Batch No.: 254300

**Chemical Name:** D-Fructose-13C2

## PHYSICAL AND CHEMICAL PROPERTIES

 $C_4^{13}C_2H_{12}O_6$ Molecular Formula: 182.14 Molecular Weight:

Storage: Powder -20°C 3 years

> 2 years 4°C

In solvent -80°C 6 months

-20°C 1 month

**Chemical Structure:** 

$$\begin{array}{c|c} OH & O \\ \hline & 13C \\ OH & OH \\ \end{array} \begin{array}{c} OH \\ \end{array} \begin{array}{c} OH \\ OH \\ \end{array}$$

## ANALYTICAL DATA

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

Purity (NMR): ≥98.0% **Isotopic Enrichment:** 98.1%

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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