

**1. Identification**Catalogue Number

G595002

Lot Number

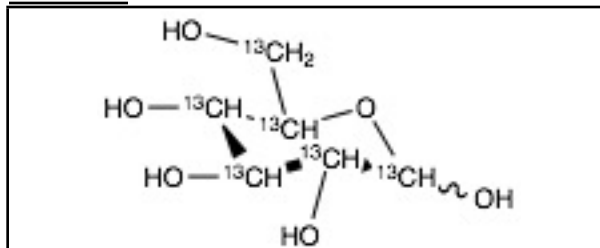
5-MFI-91-1

Product Name

D-Glucose-13C6

Synonyms

D-Glucopyranose-13C6; Glucopyranose-13C6; NSC 287045-13C6;

StructureCAS Number

110187-42-3

Solubility

Methanol (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula $^{13}\text{C}_6\text{H}_{12}\text{O}_6$ Source of Product

N/A

Long Term Storage Conditions

4°C

Molecular Weight

186.11

Purity

98%

2. Warnings

Not Determined

3. Analytical InformationTests

Appearance

Specifications

White to Off-White Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

C NMR

Conforms to Structure

Conforms

HPLC Purity

Report Result

100.00% (ELSD)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

98.1%

Additional InformationNormalized Intensity: $^{13}\text{C}_0 = 0.33\%$, $^{13}\text{C}_1 = 0.00\%$, $^{13}\text{C}_2 = 0.20\%$, $^{13}\text{C}_3 = 0.41\%$, $^{13}\text{C}_4 = 0.54\%$, $^{13}\text{C}_5 = 6.33\%$, $^{13}\text{C}_6 = 92.19\%$

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed.
The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. SignaturesReviewed by

Henry Tieu

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Quality Assurance Associate

Test Date

4/29/2024

Retest Date

4/27/2028