



1. Identification

Catalogue Number

D239150

Lot Number

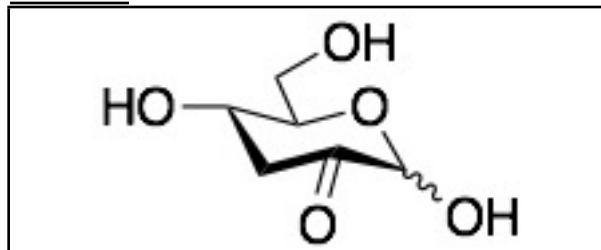
18-ZCA-100-1

Product Name

3-Deoxyglucosone

Synonyms

3-Deoxy-D-erythro-hexulose; 2-Keto-3-deoxyglucose; D-3-Deoxyglucosone; 3-Deoxy-D-erythro-hexos-2-ulose; 3DG; 3-Deoxy-D-glucosone;

StructureCAS Number

4084-27-9

Solubility

Methanol (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped With Blue Ice

Molecular Formula $C_6H_{10}O_5$ Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Hygroscopic, Light sensitive

Molecular Weight

162.14

Purity

>95%

2. Warnings

Hygroscopic, Light sensitive, Temperature sensitive, Unstable in solution

3. Analytical Information

Tests

Appearance

Specifications

White to Yellow Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 40.90, %H: 6.50

MS

Conforms to Structure

Conforms

Additional Information

N/A

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. Signatures

Reviewed by

Vijaya Annapareddy

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Christina Gouliaras

Quality Assurance Associate

Test Date

10/9/2024

Retest Date

10/7/2028