



1. Identification

Catalogue Number

K191000

Lot Number

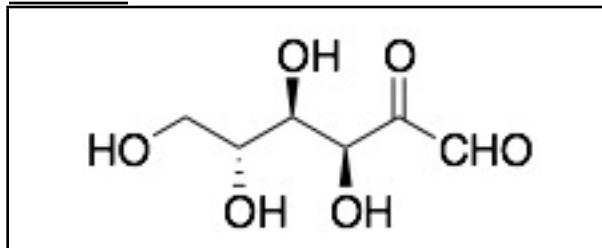
23-DPP-126-3

Product Name

2-Keto-D-Glucose

Synonyms

D-Glucosone; D-Arabino-hexos-2-ulose; Fructosone; Mannosone;

StructureCAS Number

1854-25-7

Solubility

DMSO (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature With Dry Pack

Molecular Formula $C_6H_{10}O_6$ Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

178.14

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Pale Yellow to Very Dark Yellow Solid	Dark Yellow to Very Dark Yellow Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 38.23, %H: 5.84
HPLC Purity	>95%	97.85% (ELSD)
MS	Conforms to Structure	Conforms
Water Content	Report Result	8.8% by Karl Fischer

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

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
			10/7/2024	10/5/2028
Vijaya Annapareddy Product Quality Specialist	Toni Rantanen Manager, Quality Assurance	Chanell Chu Quality Assurance Associate		