



CERTIFICATE OF ANALYSIS

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1. Identification

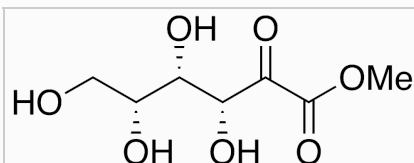
Catalogue Number: K191310

CAS Number: 67776-07-2

Product: 2-Keto-D-gulonic Acid Methyl Ester

Synonym: D-Xylo-2-hexulosonic Acid Ethyl Ester

Structure:



Molecular Formula:

C₇H₁₂O₇

Molecular weight:

208.17

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly), Water (Slightly)

Lot Number: 24-PSB-37-1

Purity: 96%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:

Specifications:

Results:

Appearance

White to Off-White Solid

White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 39.56, %H: 5.75

HPLC Purity

>95%

98.62% (ELSD)

MS

Conforms to Structure

Conforms

Specific Rotation

Report Result

+27.8° (c = 0.2, Water)

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 ± 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

Reviewed By

C of A Approved By

Test Date

Retest Date

Meenakshi Sharma

Toni Rantanen

Chanell Chu

7/12/2021

7/10/2025