

1. Identification

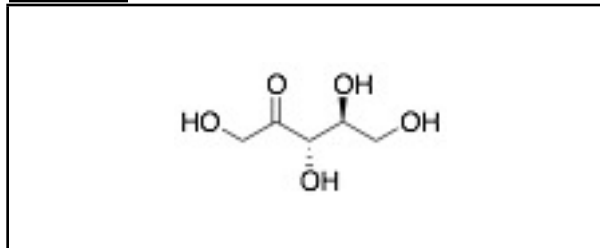
Catalogue Number

R418003

Lot Number

2024-PVA-015

Structure



Product Name

L-Ribulose

Synonyms

L-erythro-Pentulose

CAS Number

2042-27-5

Solubility

Methanol (Very Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₅H₁₀O₅

Source of Product

N/A

Long Term Storage Conditions

4°C, Hygroscopic

Molecular Weight

150.13

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

Tests

Appearance

Specifications

Colourless to Yellow Oil to Thick Oil

Results

Clear Colourless Thick Oil

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 37.82, %H: 7.01

HPLC Purity

>95%

99.39% (ELSD)

MS

Conforms to Structure

Conforms

Specific Rotation

Report Result

+15.5° (c = 0.3, 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

R. Swathi

swathi reddy

Product Quality Specialist

Reviewed by

Toni Rantanen

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Chanell Chu

Quality Assurance Associate

Test Date

5/28/2024

Retest Date

5/26/2028