

1. Identification

Catalogue Number

F792565

Lot Number

17-VKU-165-2

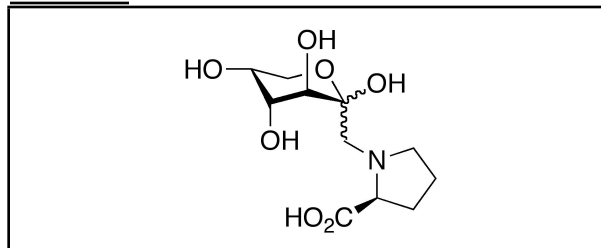
Product Name

Fructose-proline (mixture of diastereomers)

Synonyms

1-(1-Deoxy-D-fructos-1-yl)-L-proline; (S)-1-(2-Carboxy-1-pyrrolidinyl)-1-deoxy-D-fructose;
1-Deoxy-1-L-proline-D-fructose; 1-Deoxy-1-L-prolino-D-fructose;

Structure



CAS Number

29118-61-4

Solubility

Methanol (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₁H₁₉NO₇

Source of Product

Synthetic

Long Term Storage Conditions

4°C, Hygroscopic

Molecular Weight

277.27

Purity

95%

2. Warnings

Hygroscopic

3. Analytical Information

Tests

Appearance

Specifications

Pale Yellow to Dark Brown Solid

Results

Pale Yellow Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 45.93, %H: 7.24, %N: 5.65

MS

Conforms to Structure

Conforms

Water Content

Report Result

~3.7% based on Elemental Analysis

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



Nicole Yip

Product Quality Specialist

Reviewed by



Toni Rantanen

Manager, Quality Assurance

C of A Approved by



Chanell Chu

Jr. Quality Assurance

Test Date

8/9/2022

Retest Date

8/7/2026