

1. Identification

Catalogue Number

F792520

Lot Number

11-VEK-13-8

Product Name

Fructose-alanine (Mixture of Diastereomers)

Synonyms

N-(1-Deoxy-D-fructos-1-yl)-L-alanine; (S)-1-[(1-Carboxyethyl)amino]-1-deoxy-D-fructose; 1-Alanino-1-deoxy-D-fructose; 1-Deoxy-1-L-alanine-D-fructose; N-(1-Deoxy-D-fructosyl)-L-alanine

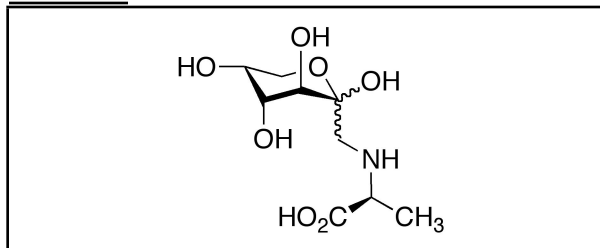
CAS Number

16124-24-6

Solubility

DMSO (Slightly), Water (Slightly)

Structure



Shipping Condition

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

Molecular Formula

C₉H₁₇NO₇

Source of Product

Synthetic

Long Term Storage Conditions

4°C, Hygroscopic

Molecular Weight

251.23

Purity

>95%

2. Warnings

Very Hygroscopic

3. Analytical Information

Tests

Appearance

Specifications

White to Very Dark Brown Solid

Results

Very Dark Orange to Very Dark Brown Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 40.00, %H: 7.43, %N: 6.25

HPLC Purity

>95%

100.00% (ELSD)

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



Jessica Wang Chi

Product Quality Specialist

Reviewed by



Toni Rantanen

Manager, Quality Assurance

C of A Approved by



Chanell Chu

Quality Assurance Associate

Test Date

3/3/2025

Retest Date

3/1/2029