

**1. Identification**Catalogue Number

F792585

Lot Number

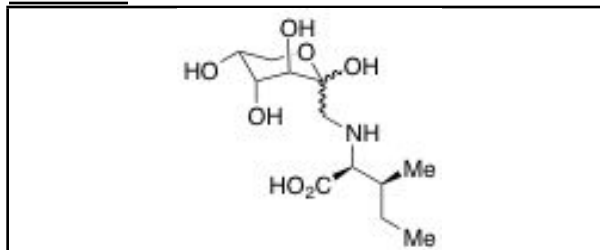
1-DTS-49-3

Product Name

Fructose-isoleucine (mixture of diastereomers)

Synonyms

N-(1-Deoxy-β-D-fructopyranos-1-yl)-L-isoleucine; [S-(R*,R*)]-1-[(1-Carboxy-2-methylbutyl)amino]-1-deoxy-β-D-fructopyranose

StructureCAS Number

87304-79-8

Solubility

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

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular FormulaC₁₂H₂₃NO₇Source of Product

Synthetic

Long Term Storage Conditions

4°C

Molecular Weight

293.31

Purity

96%

2. Warnings

Not Determined

3. Analytical InformationTests

Appearance

Specifications

Pale Yellow to Black Solid

Results

Very Dark Red to Black Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 46.69, %H: 8.16, %N: 5.36

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 ± 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. SignaturesReviewed by

Nicole Yip

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Quality Assurance Associate

Test Date

10/5/2023

Retest Date

10/3/2027