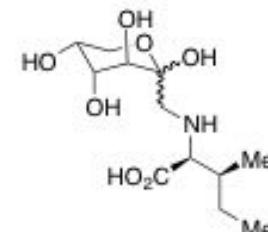


**CERTIFICATE OF ANALYSIS****1. Identification**

Catalogue Number F792585      Lot Number 1-DTS-49-3

Product Name  
Fructose-isoleucine (mixture of diastereomers)

StructureSynonyms

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

CAS Number

87304-79-8

Solubility

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

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular FormulaC<sub>12</sub>H<sub>23</sub>NO<sub>7</sub>Source of Product

Synthetic

Long Term Storage Conditions

4°C

Molecular Weight

293.31

Purity

96%

**2. Warnings**

Not Determined

**3. Analytical Information**

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Pale Yellow to Black Solid	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  $\pm$  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**

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
			10/5/2023	10/3/2027

Nicole Yip  
Product Quality Specialist

Toni Rantanen  
Manager, Quality Assurance

Chanell Chu  
Quality Assurance Associate