



1. Identification

Catalogue Number

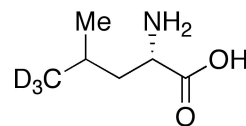
L330112

Lot Number

2024-NKR-058

Product Name

L-Leucine-d3

StructureSynonyms

(2S)-2-Amino-4-methylpentanoic Acid-d3; (S)-(+)-Leucine-d3; (S)-2-Amino-4-methylpentanoic Acid-d3;
(S)-2-Amino-4-methylvaleric Acid-d3; (S)-Leucine-d3; L-(+)-Leucine-d3; L-2-Amino-4-methylpentanoic
Acid-d3; L-α-Aminoisocaproic Acid-d3; NSC 46709-d3;

CAS Number

87828-86-2

Solubility

Methanol (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room
Temperature

Molecular Formula $C_6H_{10}D_3NO_2$ Source of Product

N/A

Long Term Storage Conditions

4°C

Molecular Weight

134.19

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

Tests

Appearance

Specifications

White to Off-White Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 53.69, %H: 9.83, %N: 10.38

HPLC Purity

>95%

100.00% (ELSD)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

99.6%

Additional InformationNormalized Intensity: $d_0 = 0.02\%$, $d_1 = 0.23\%$, $d_2 = 0.84\%$, $d_3 = 98.92\%$

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

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

6/6/2024

Retest Date

6/4/2028