



CERTIFICATE OF ANALYSIS

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1. Identification

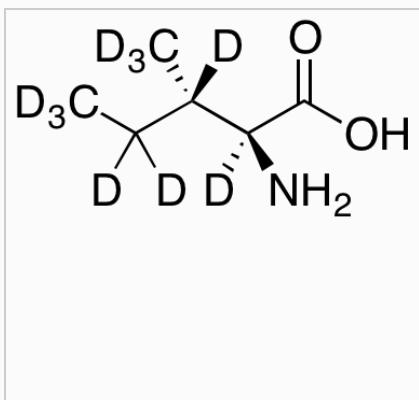
Catalogue Number: I820177

CAS Number: NA

Synonym: (2S,3S)-2-Amino-3-methylpentanoic Acid-d10; (2S,3S)-α-Amino-β-methyl-n-valeric Acid-d10; (2S,3S)-α-Amino-β-methylvaleric Acid-d10; (S)-Isoleucine-d10; (S,S)-Isoleucine-d10; 1579-d10: PN: EP2071334 SEQID: 1669 Claimed Protein-d10; 1579: PN: WO2009077864 SEQID: 1669 Claimed Protein-d10; 2-Amino-3-methylvaleric Acid-d10; 2S,3S-Isoleucine-d10; 9: PN: US20090069547 PAGE: 10 Claimed Protein; Isoleucine-d10; L-(+)-Isoleucine; L-Ile-d10; 3-Methyl-erythro-L-norvaline-d10; NSC 46708-d10; (2S,3S)-2-Amino-

Product: L-Isoleucine-d10

Structure:



Molecular Formula:

$C_6H_3D_{10}NO_2$

Molecular weight:

141.23

Source of Product:

N/A

Solubility:

Aqueous Acid (Slightly, Heated, Sonicated), Water (Slightly)

Lot Number: 9-AZP-47-1

Purity: 97%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: 20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 50.88, %H: 9.50, %N: 9.89
HPLC Purity	Report Result	97.75% (ELSD)
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	98.4% (d0 = 0.05%)
Specific Rotation	Report Result	+39.1° (c = 0.2, 6N HCl)

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. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Neha Khanna	Toni Rantanen	Chanell Chu	11/17/2021	11/15/2025
				