



CERTIFICATE OF ANALYSIS

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1. Identification

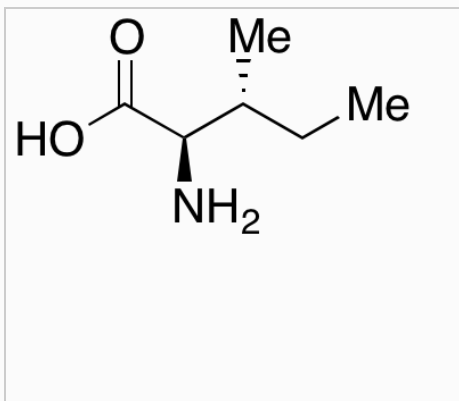
Catalogue Number: I820210

CAS Number: 319-78-8

Product: D-Isoleucine

Synonym: (2R,3R)-2-Amino-3-methylpentanoic Acid; (R)-Isoleucine

Structure:



Molecular Formula:

$C_6H_{13}NO_2$

Molecular weight:

131.17

Source of Product:

N/A

Solubility:

Aqueous Acid (Slightly),
Aqueous Base (Soluble),
Water (Sparingly)

Lot Number: 711659097-1-2

Purity: 95%

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

Storage Condition: 4°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 |
| C NMR | Conforms to Structure | Conforms |
| Elemental Analysis | Conforms | %C: 54.91, %H: 9.91, %N: 10.65 |
| MS | Conforms to Structure | Conforms |
| Specific Rotation | Report Result | -40.5° (c = 0.2, 5N 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 $\pm 2\%$. 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 | Reviewed By | C of A Approved By | Test Date | Retest Date |
|--------------|---------------|--------------------|-----------|-------------|
| Swathi Reddy | Toni Rantanen | Chanell Chu | 8/23/2022 | 8/21/2026 |