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Certificate of Analysis

Catalogue Number	05565
Lot Number	1019605
Product	Boc-N-methyl-D-isoleucine Boc-N-Me-D-Ile-OH
CAS Number	267223-87-0
Molecular Formula	C ₁₂ H ₂₃ NO ₄
Molecular Weight	245.3
Appearance	White powder
Solubility	Clear, colorless solution (50 mg/mL in MeOH)
Melting Point	54 °C
Elemental Analysis (Found)	C=58.5%, H=9.6%, N=5.7%
TLC System	Chloroform/methanol/toluene/water, 8:8:8:1 Chloroform/methanol/acetic acid, 90/8/2 Plate : Silicagel 60 F ₂₅₄ detected by : UV, ninhydrin, chlorine-tolidine, TMB
Optical Rotation	[α] _D ²⁴ = 80.6 ° (C=1 in MeOH)
Assay	99.6% (Cfd 58.52%)
Purity by TLC	> 99%
Storage	Store at 0-8°C
Additional Information	Enantiomer content : L-N-Me-Ile : < 0.1% D-N-Me-Ile : 98.8% L-N-Me-allo-Ile : 0.1% D-N-Me-allo-Ile : 1%

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager