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Certificate of Analysis

Catalogue Number	03091
Lot Number	000424-160118-11841
Product	L-Leucine <i>tert</i>-butyl ester hydrochloride L-Leu-OtBu•HCl (S)-2-amino-4-methyl-pentanoic acid t-butyl ester hydrochloride
CAS Number	2748-02-9
Molecular Formula	C ₁₀ H ₂₁ NO ₂ •HCl
Molecular Weight	223.7

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	165.1-165.3 °C
Water Content (Karl Fisher)	0.037%
Optical Rotation	[α] _D ²⁰ = +10.8° (C=2 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to structure
Loss on Drying	1.06% (105 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	99.97%
Storage	Store at 0-8 °C

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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



Bala Kumar
Quality Control Manager