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Product Specifications

Catalogue Number	03091
Product	L-Leucine <i>tert</i>-butyl ester hydrochloride L-Leu-OtBu•HCl (<i>S</i>)-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
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Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	234 - 238 °C
Water Content (Karl Fisher)	≤ 1%
Optical Rotation	[α] _D ²⁰ = +11 ± 2 ° (C=2 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 2% (105 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	≥ 98%
Storage	Store at 0 - 8 °C

For Laboratory Use Only