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Certificate of Analysis

Catalogue Number	02213
Lot Number	000424-160815-13410
Product	<i>N^ε-Z-L-lysine tert-butyl ester hydrochloride</i>
	L-Lys(Z)-OtBu•HCl
CAS Number	5978-22-3
Molecular Formula	C ₁₈ H ₂₈ N ₂ O ₄ •HCl
Molecular Weight	372.89

Appearance	White powder
Solubility	Clear solution (0.1g in 2ml water)
Melting Point	145.4 - 145.9 °C
Water Content (Karl Fisher)	0.40%
Optical Rotation	[α] _D ²⁰ = +12.2° (C=2 in EtOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.14% (60°C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	99.50%
Storage	Store at 0-8 °C
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