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Certificate of Analysis

Catalogue Number	29734
Product	N^ε-Z-D-lysine <i>tert</i>-butyl ester hydrochloride
Lot Number	000424-220518-13446
CAS Number	1426213-63-9
Molecular Formula	C ₁₈ H ₂₈ N ₂ O ₄ •HCl
Molecular Weight	372.89

Appearance	White powder
Solubility	Clear solution (0.1 g in 2 mL in water)
Melting Point	142.6 - 143.7 °C
Water Content (Karl Fisher)	0.1%
Optical Rotation	[α] _D ²⁰ = -12.5 ° (C=2 in EtOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.23% (60 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	98.13%
Storage	Store at 2 - 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