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Certificate of Analysis

Catalogue Number	02208
Product	<i>N</i>^α-Z-L-lysine 4-nitrophenyl ester hydrochloride
Lot Number	000127-1072797 Z-L-Lys-ONp•HCl
CAS Number	2179-15-9
Molecular Formula	C ₂₀ H ₂₃ N ₃ O ₆ •HCl
Molecular Weight	437.9

Appearance	White powder
Solubility	Clear, colorless solution (50 mg/mL in Methanol)
Elemental Analysis (Theory)	C = 54.4%; H = 5.6%; N = 9.5%
Elemental Analysis (Found)	C = 54.3%; H = 5.5%; N = 9.5%
Water Content (Karl Fisher)	0.2%
TLC System	Chloroform/Methanol/Acetic acid (90:8:2) Chloroform/Methanol/Acetic acid/H ₂ O (70:42:0.5:10) n-Butanol/Acetic acid/H ₂ O (4:1:1) Plate: Silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = - 24.6 ° (C=1% in DMF)
Titration	8.1% Chloride content (AgNO ₃)
Assay	99.0% (Elemental analysis: Cth 54.86%, Cfd 54.32%)
Storage	Store at 0-8 °C

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Catalog Number: 02208

Lot Number: 000127-1072797

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