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Product Specifications

Catalogue Number	02208
Product	<i>N</i>^α-Z-L-lysine 4-nitrophenyl ester hydrochloride 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
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Appearance	White to off-white powder
Solubility	Clear, colorless solution (50 mg/mL in Methanol)
Elemental Analysis (Found)	C = 54.4 ± 0.4%; H = 5.6 ± 0.4%; N = 9.5 ± 0.4%
Anion	Chloride (Cl ⁻): ≤ 8.2%
Water Content (Karl Fisher)	≤ 0.5%
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 ± 2° (C=1% in DMF)
Assay	≥ 98% (elemental analysis based on Carbon)
Storage	Store at 0-8 °C

For Laboratory Use Only