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Product Specifications

Catalogue Number	04002
Product	<i>N</i>^α-Boc-<i>N</i>^ε-Z-L-lysine 4-nitrophenyl ester Boc-L-Lys(Z)-ONp
CAS Number	2389-46-0
Molecular Formula	C ₂₅ H ₃₁ N ₃ O ₈
Molecular Weight	501.34

Appearance	White powder
Solubility	Clear, colorless solution (50 mg/mL in acetone)
Melting Point	89 - 91 °C
Water Content (Karl Fisher)	≤ 0.5%
TLC System	Chloroform/Ethylacetate : 9/1 Chloroform/Ethylacetate/Acetic acid : 50/50/2 Toluene/Dioxane/Acetic acid : 95/25/4 MeOH 80% RP8 Plate silicagel 60 F ₂₅₄ Detected by : UV, Ninhydrin, Chlorine-Tolidine
Optical Rotation	[α] _D ²⁴ = -25 ± 1 ° (C=2% in DMF)
Assay	≥ 99% (Nth : 8.38% Elemental analysis)
Purity by TLC	≥ 99%
Storage	Store at 0 - 8 °C

For Laboratory Use Only