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Certificate of Analysis

Catalogue Number 01364
Product *N*^α-Boc-*N*^ε-Z-L-lysine

Lot Number 000424-191117-31104
Boc-L-Lys(Z)-OH (cryst.)

CAS Number 2389-45-9
Molecular Formula C₁₉H₂₈N₂O₆

Molecular Weight 380.45

Appearance White powder
Solubility Clear solution (0.3 g in 2mL DMF)
Melting Point 74.9 - 75.7 °C
Elemental Analysis (Found) < 5% (C, H, N)
Water Content (Karl Fisher) 0.07%
Optical Rotation [α]_D²⁰ = -11.2 ° (C=1 in DMF)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to standard
Loss on Drying 0.02% (30 °C, 2h)
¹H NMR Conforms to structure
Chiral HPLC 100% (ee)
D-Enantiomer Not detected
Purity by HPLC 99.31%
Purity by TLC > 98%
Storage Store at RT

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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