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Certificate of Analysis

Catalogue Number	10097
Product	<i>N</i>^α-Tosyl-L-lysine chloromethylketone
Lot Number	000127-1000017174
	Tos-L-Lys-CMK•HCl
CAS Number	4272-74-6
Molecular Formula	C ₁₄ H ₂₁ ClN ₂ O ₃ S•HCl
Molecular Weight	369.31

Appearance	White powder
Solubility	Clear, colorless solution (50 mg/mL in Methanol)
Melting Point	156 °C
Elemental Analysis (Found)	C = 45.9%; H = 5.9%; N = 7.5%
TLC System	Ethyl acetate/Pyridine/Acetic acid/H ₂ O (60:20:6:11) Chloroform/Methanol/Acetic Acid/H ₂ O (45:13:1:2) n-butanol/Glacial Acetic Acid/Water (50:15:25) Plate: Silica gel 60 F ₂₅₄ Detected by: UV, ninhydrin, TMB
Optical Rotation	[α] _D ²⁴ = -9.3 ° (C=5 in H ₂ O)
Titration	9.8% (Chloride content)
Assay	100.1% (Cfd : 45.56%)
Purity by HPLC	98.41%
Storage	Store at ≤ -4 °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