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Product Specifications

Catalogue Number	06084
Product	L-Histidine ethyl ester dihydrochloride L-His-OEt•2HCl
CAS Number	35166-54-2
Molecular Formula	C ₈ H ₁₃ N ₃ O ₂ •2HCl
Molecular Weight	256.18

Warnings	<i>Very hygroscopic!</i>
Appearance	Light beige powder
Solubility	Clear, colorless solution (50 mg/mL in EtOH abs.)
TLC System	n-butanol/ Acetic acid/ Water : 4/2/2 Chloroform / Methanol/ Acetic acid 32% : 5/3/1 Ethylacetate / Pyridine/ Acetic acid/ Water : 6/5/1/3 Plate : Silicagel 60 F ₂₅₄ Detected by : UV, ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = 16 ± 2 ° (C=1 in EtOH abs.)
Residual Solvents	≤ 5% (Ethanol) ≤ 4% (Toluene)
Titration	Chloride content : ≤ 24% (AgNO ₃)
Assay	≥ 86% (Nth: 16.41% by elemental analysis) calc. as x 2 HCl (28.47%)
Purity by TLC	≥ 99%
Storage	Store at ≤ -4 °C

For Laboratory Use Only