

Analytical Data Sheet

Lot number **1074705**
not for drug use

Catalog number **E-2985.0005**
Product number **4011442.0005**
Product **H- His(1- Trt) - OMe · HCl**
Molecular formula **C₂₆H₂₅N₃O₂ · HCl**
Relative molecular mass **447.97**

Tests	Results
Appearance	white powder
Appearance of solution	clear, slight yellowish solution (50 mg/ml in MeOH)
Identification (TLC)	conforms with authentic material
Melting point	171.4 °C
Specific optical rotation	$[\alpha]_D^{24} = + 14.9^\circ$ (5 % in MeOH)
Purity (TLC)	> 98%
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 chloroform/methanol/acetic acid 77.5/15/7.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	93.2% (Cth 69.71 %, Cfd 64.96 %)
Chloride content (titration)	9.3% (AgNO ₃)

Latest update: December 08, 2017

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