

Analytical Data Sheet

Lot number

1010933

not for drug use

Catalog Number	E-1560.0001
Product number	4010041.0001
Product	H- His(Bzl) – OMe · 2 HCl
Molecular formula	C ₁₄ H ₁₇ N ₃ O ₂ · 2 HCl
Relative molecular mass	332.23

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (TLC)	Complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = + 18.7^\circ$ (1 % in methanol)
Purity (TLC)	> 99%
TLC conditions	n-Butanol/acetic acid/H ₂ O 4/2/2 Chloroform/methanol/acetic acid(98-100%)/H ₂ O 45/13/1/2 Ethylacetate/pyridine/acetic acid/H ₂ O 60/30/9/16.5 Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	71.3% (Nth 16.20 %, Nfd 11.55 %)
Water content (KF volumetric)	2.0%
Residual organic solvents (GC)	3.9% toluene 0.1% diethylether
Chloride content (titration)	19.7% (AgNO ₃)
Latest update: October 24, 2008	