

Analytical Data Sheet

Lot number **1071558**
not for drug use

Catalog number **E-2980.0005**
Product number **4011443.0005**
Product **H- His(1- Trt) - OH**
Molecular formula $C_{25}H_{23}N_3O_2$
Relative molecular mass 397.48

Tests	Results
Appearance	Off-white powder
Appearance of solution	clear, colorless solution (10 mg/ml in THF 75 %)
Identification (TLC)	Complies with authentic material
Melting point	214 °C
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 ethylacetate/pyridine/acetic acid/H ₂ O 60/30/9/16.5 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	96.8% (Nth 10.57 %, Nfd 10.23 %)
Water content (KF volumetric)	2.6%

Latest update: May 02, 2017

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