

Analytical Data Sheet

Lot number **1061881**
not for drug use

Catalog number **E-3045.0001**
Product number **4018523.0001**
Product **Ac- His(1- Trt) - OH**
Molecular formula $C_{27}H_{25}N_3O_3$
Relative molecular mass 439.52

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH/CHCl ₃ 1/1)
Identification (TLC)	conforms with authentic material
Melting point	120 °C
Specific optical rotation	$[\alpha]_D^{24} = +22.5^\circ$ (1 % in methanol)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 85/10/5 ethylacetate/pyridine/acetic acid/H ₂ O 60/10/3/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine, Pauly
Assay (elemental analysis)	96.6% (Nth 9.56 %, Nfd 9.23 %)
Water content (KF volumetric)	3.7%

Latest update: September 29, 2015

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