

Analytical Data Sheet

Lot number **1063129**
not for drug use

Catalog number **E-3045.0005**
Product number **4018523.0005**
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 methanol)
Identification (TLC)	complies with authentic material
Purity (TLC)	≥ 99%
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 85/10/5 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	0.1% D-enantiomer
Assay (elemental analysis)	92.4% (Nth 9.56%, Nfd 8.84%)
Assay (titration)	93.7% (TBAH)
Water content (KF volumetric)	4.5%

Latest update: December 22, 2015

Analytical Data Sheet
Lot number **1063129**