

Analytical Data Sheet

Lot number **1063240**
not for drug use

Catalog number **F-2695.0001**
Product number **4016180.0001**
Product **H- D- His(Bzl) - OH**
Molecular formula $C_{13}H_{15}N_3O_2$
Relative molecular mass 245.28

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (25 mg/mL in acetic acid 80%)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -20.1^\circ$ (1% in 2 N HCl) (corrected for assay)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% H-D-His-OH < 0.2% Bzl-D-His(Bzl)-OH
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 ethylacetate/pyridine/acetic acid/H ₂ O 6/4/1/3 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	0.2% L-Enantiomer
Assay (elemental analysis)	86.9% (Nth 17.13%, Nfd 14.89%)
Water content (KF volumetric)	12.5%

Latest update: December 22, 2015

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