

**Analytical Data Sheet**

**Lot number** **1000041976**  
not for drug use

**Product** H-His-OH  
**Product number** **4030670.0250**  
**Molecular formula**  $C_6H_9N_3O_2$   
**Relative molecular mass** 155.16

Tests	Results
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (50 mg/mL in 1 N HCl)
<b>Identification (ESI-MS)</b>	$m = 155.1u$ (average mass)
<b>Identification (TLC)</b>	complies with authentic material
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = + 12.0^\circ$ (5 % in 1 N HCl)
<b>Purity (TLC)</b>	> 99%
<b>TLC conditions</b>	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
<b>Other amino acids (GC)</b>	< 0.20%
<b>Assay (elemental analysis)</b>	100.0% (Nth 27.08%, Nfd 27.08%)
<b>Water content (KF volumetric)</b>	< 0.1%

Latest update: November 30, 2020

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