

## Analytical Data Sheet

Lot number **1000002212**  
not for drug use

Catalog number **G-2520.0001**  
Product number **4002700.0001**  
Product **H- Leu- His- OH**  
Molecular formula  $C_{12}H_{20}N_4O_3$   
Relative molecular mass 268.32

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in AcOH 80 %)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = + 30.2^\circ$ (1 % in water)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	97.6% (Nth 20.88 %, Nfd 20.37 %)

Latest update: June 19, 2018

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