

Analytical Data Sheet

Lot number **1070757**
not for drug use

Catalog number **G-2525.0001**
Product number **4002987.0001**
Product **H- Leu- Ile- OH**
Molecular formula $C_{12}H_{24}N_2O_3$
Relative molecular mass 244.33

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in water)
Identification (ESI-MS)	m = 244.3u (average mass)
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = + 18.6^\circ$ (1% in water)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Leu-OH
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/toluene/H ₂ O 8/8/8/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	97.1% (Nth 11.47%, Nfd 11.14%)
Assay (titration)	97.4% (HClO ₄)
Water content (KF volumetric)	1.6%
General comment	product is very hygroscopic

Latest update: March 13, 2017

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