

Analytical Data Sheet

Lot number **1063311**
not for drug use

Catalog number **E-2650.0005**
Product number **4019083.0005**
Product **H- Leu- NH₂**
Molecular formula **C₆H₁₄N₂O**
Relative molecular mass **130.19**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)
Identification (elemental analysis)	Theory Found C = 55.35 % C = 55.60 % H = 10.84 % H = 10.61 % N = 21.52 % N = 21.50 %
Identification (TLC)	conforms with authentic material
Melting point	101.1 °C
Specific optical rotation	$[\alpha]_D^{24} = +7.5^\circ$ (2 % in H ₂ O)
Purity (TLC)	> 99%
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/30/9/16.5 chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	99.9% (Nth 21.52 %, Nfd 21.50 %)

Latest update: December 30, 2015

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