

Analytical Data Sheet

Lot number **1000004232**
not for drug use

Catalog number **G-2485.0250**
Product number **4007960.0250**
Product **H- Leu- Asn- OH**
Molecular formula $C_{10}H_{19}N_3O_4$
Relative molecular mass 245.28

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in AcOH 80 %)
Identification (elemental analysis)	Theory Found C = 49.0 % C = 48.7 % H = 7.8 % H = 7.9 % N = 17.1 % N = 17.2 %
Melting point	226 °C
Specific optical rotation	$[\alpha]_D^{24} = +15.8^\circ$ (1 % in H ₂ O)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	100.3% (Nth 17.13 %, Nfd 17.20 %)
Water content (KF coulometric)	0.5%

Latest update: August 03, 2018

Analytical Data Sheet
Lot number **1000004232**