

Analytical Data Sheet

Lot number **1065346**
not for drug use

Catalog number **C-2150.0025**
Product number **4001607.0025**
Product **Z- Leu- Leu- OH**
Molecular formula $C_{20}H_{30}N_2O_5$
Relative molecular mass 378.47

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 63.47 %</td><td>C = 63.53 %</td></tr><tr><td>H = 7.99 %</td><td>H = 7.82 %</td></tr><tr><td>N = 7.40 %</td><td>N = 7.31 %</td></tr></tbody></table>	Theory	Found	C = 63.47 %	C = 63.53 %	H = 7.99 %	H = 7.82 %	N = 7.40 %	N = 7.31 %
Theory	Found								
C = 63.47 %	C = 63.53 %								
H = 7.99 %	H = 7.82 %								
N = 7.40 %	N = 7.31 %								
Identification (TLC)	conforms with authentic material								
Melting point	117.8 °C								
Specific optical rotation	$[\alpha]_D^{24} = -29.5^\circ$ (5 % in MeOH)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 toluene/dioxane/acetic acid 95/25/4 chloroform/ethylacetate/acetic acid 90/10/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine, ammoniummolybdate								
Assay (elemental analysis)	100.1% (Cth 63.47 %, Cfd 63.53 %)								

Latest update: April 12, 2016

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