

Analytical Data Sheet

Lot number

1051134

not for drug use

Catalog Number	C-1835.0005
Product number	4000535.0005
Product	Z- Gly- Leu- OH
Molecular formula	C ₁₆ H ₂₂ N ₂ O ₅
Relative molecular mass	322.36

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 59.6 %</td> <td>C = 59.4 %</td> </tr> <tr> <td>H = 6.9 %</td> <td>H = 6.9 %</td> </tr> <tr> <td>N = 8.7 %</td> <td>N = 8.7 %</td> </tr> </table>	Theory	Found	C = 59.6 %	C = 59.4 %	H = 6.9 %	H = 6.9 %	N = 8.7 %	N = 8.7 %
Theory	Found								
C = 59.6 %	C = 59.4 %								
H = 6.9 %	H = 6.9 %								
N = 8.7 %	N = 8.7 %								
Identification (TLC)	complies with authentic material								
Melting point	145.8 °C								
Specific optical rotation	$[\alpha]_D^{24} = -9.5^\circ$ (5 % in EtOH)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/10/3/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.6 % (Cth 59.62 %, Cfd 59.39 %)								

Latest update: December 03, 2013

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