

Analytical Data Sheet

Lot number

1021097

not for drug use

Catalog Number	C-2520.0005
Product number	4000428.0005
Product	Z- Pro- Leu- Gly- NH ₂
Molecular formula	C ₂₁ H ₃₀ N ₄ O ₅
Relative molecular mass	418.49

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (ESI-MS)	m = 418.3u								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 60.27 %</td> <td>C = 60.11 %</td> </tr> <tr> <td>H = 7.23 %</td> <td>H = 7.29 %</td> </tr> <tr> <td>N = 13.39 %</td> <td>N = 13.42 %</td> </tr> </table>	Theory	Found	C = 60.27 %	C = 60.11 %	H = 7.23 %	H = 7.29 %	N = 13.39 %	N = 13.42 %
Theory	Found								
C = 60.27 %	C = 60.11 %								
H = 7.23 %	H = 7.29 %								
N = 13.39 %	N = 13.42 %								
Identification (TLC)	complies with authentic material								
Melting point	165 °C								
Specific optical rotation	$[\alpha]_D^{24} = -72.0^\circ$ (1 % in ethanol)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 chloroform/methanol 9/1 plate: silicagel 60 F ₂₅₄ detected: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	100.2% (Nth 13.39 %, Nfd 13.42 %)								

Latest update: December 15, 2008

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