

Analytical Data Sheet

Lot number

1005404

not for drug use

Catalog Number	C-1275.0005
Product number	4008184.0005
Product	Z- Homophe- OH
Molecular formula	C ₁₈ H ₁₉ NO ₄
Relative molecular mass	313.35

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)								
Identification (elemental analysis)	<table> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 68.92 %</td> <td>C = 68.49 %</td> </tr> <tr> <td>H = 6.12 %</td> <td>H = 6.13 %</td> </tr> <tr> <td>N = 4.46 %</td> <td>N = 4.44 %</td> </tr> </table> <p>calc. as 0.02 H₂O (0.1 %)</p>	Theory	Found	C = 68.92 %	C = 68.49 %	H = 6.12 %	H = 6.13 %	N = 4.46 %	N = 4.44 %
Theory	Found								
C = 68.92 %	C = 68.49 %								
H = 6.12 %	H = 6.13 %								
N = 4.46 %	N = 4.44 %								
Identification (TLC)	complies with authentic material								
Melting point	105 °C								
Specific optical rotation	[α] _D ²⁴ = - 16.3 ° (1 % in methanol)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/benzene/H ₂ O 8/8/8/1 benzene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Water content (KF volumetric)	0.1%								

Latest update: October 24, 2008

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