

Analytical Data Sheet

Lot number

1030184

not for drug use

Catalog Number	C-2280.0005
Product number	4002823.0005
Product	Z- Nle- OH
Molecular formula	C ₁₄ H ₁₉ NO ₄
Relative molecular mass	265.31

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (elemental analysis)	<table> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 63.4 %</td> <td>C = 63.1 %</td> </tr> <tr> <td>H = 7.2 %</td> <td>H = 7.4 %</td> </tr> <tr> <td>N = 5.3 %</td> <td>N = 5.3 %</td> </tr> </table>	Theory	Found	C = 63.4 %	C = 63.1 %	H = 7.2 %	H = 7.4 %	N = 5.3 %	N = 5.3 %
Theory	Found								
C = 63.4 %	C = 63.1 %								
H = 7.2 %	H = 7.4 %								
N = 5.3 %	N = 5.3 %								
Identification (TLC)	complies with authentic material								
Melting point	58 °C								
Specific optical rotation	$[\alpha]_D^{24} = -9.5^\circ$ (1 % in methanol)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.5 % (Cth 63.38 %, Cfd 63.08 %)								

Latest update: April 09, 2010

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