

Analytical Data Sheet

Lot number

1035678

not for drug use

Catalog Number	C-3770.0005
Product number	4019783.0005
Product	Z- D- Dab- OH
Molecular formula	C ₁₂ H ₁₆ N ₂ O ₄
Relative molecular mass	252.27

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in acetic acid 80 %)								
Identification (elemental analysis)	<table> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 57.1 %</td> <td>C = 56.8 %</td> </tr> <tr> <td>H = 6.4 %</td> <td>H = 6.3 %</td> </tr> <tr> <td>N = 11.1 %</td> <td>N = 11.1 %</td> </tr> </table>	Theory	Found	C = 57.1 %	C = 56.8 %	H = 6.4 %	H = 6.3 %	N = 11.1 %	N = 11.1 %
Theory	Found								
C = 57.1 %	C = 56.8 %								
H = 6.4 %	H = 6.3 %								
N = 11.1 %	N = 11.1 %								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = +9.6\%$ (1 % in AcOH 80 %)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 6/5/1/3 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	100.1 % (Nth 11.10 %, Nfd 11.11 %)								

Latest update: March 16, 2011

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