

Analytical Data Sheet

Lot number

1027701

not for drug use

Catalog Number	C-3705.0001
Product number	4015635.0001
Product	Z- 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, slightly yellow solution (50 mg/mL in acetic acid 80%)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 57.1%</td> <td>C = 57.1%</td> </tr> <tr> <td>H = 6.4%</td> <td>H = 6.4%</td> </tr> <tr> <td>N = 11.1%</td> <td>N = 10.9%</td> </tr> </table>	Theory	Found	C = 57.1%	C = 57.1%	H = 6.4%	H = 6.4%	N = 11.1%	N = 10.9%
Theory	Found								
C = 57.1%	C = 57.1%								
H = 6.4%	H = 6.4%								
N = 11.1%	N = 10.9%								
Identification (TLC)	complies with authentic material								
Melting point	185 °C								
Specific optical rotation	$[\alpha]_D^{24} = -9.8^\circ$ (1% in acetic acid 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)	98.5% (Nth 11.10%, Nfd 10.93%)								

Latest update: November 27, 2009

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