

Analytical Data Sheet

Lot number

1020378

not for drug use

Catalog Number	F-4140.0001
Product number	4038768.0001
Product	N- Me- D- Phg- OH
Molecular formula	C ₉ H ₁₁ NO ₂
Relative molecular mass	165.19

Tests	Results								
Appearance	off-white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in AcOH 80 %)								
Identification (ESI-MS)	m = 165.0u (average mass)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 65.4 %</td> <td>C = 65.5 %</td> </tr> <tr> <td>H = 6.7 %</td> <td>H = 6.6 %</td> </tr> <tr> <td>N = 8.5 %</td> <td>N = 8.5 %</td> </tr> </table>	Theory	Found	C = 65.4 %	C = 65.5 %	H = 6.7 %	H = 6.6 %	N = 8.5 %	N = 8.5 %
Theory	Found								
C = 65.4 %	C = 65.5 %								
H = 6.7 %	H = 6.6 %								
N = 8.5 %	N = 8.5 %								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = -141.2^\circ$ (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 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected: UV, ninhydrin, chlorine-tolidine								
Enantiomer content (GC)	0.3% L-Enantiomer								
Assay (titration)	98.6% (HClO ₄)								

Latest update: November 18, 2008

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