

Analytical Data Sheet

Lot number

1026364

not for drug use

Catalog Number	C-1280.0001
Product number	4013558.0001
Product	Z- D- 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 border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 69.0 %</td> <td>C = 69.0 %</td> </tr> <tr> <td>H = 6.1 %</td> <td>H = 6.1 %</td> </tr> <tr> <td>N = 4.5 %</td> <td>N = 4.5 %</td> </tr> </table>	Theory	Found	C = 69.0 %	C = 69.0 %	H = 6.1 %	H = 6.1 %	N = 4.5 %	N = 4.5 %
Theory	Found								
C = 69.0 %	C = 69.0 %								
H = 6.1 %	H = 6.1 %								
N = 4.5 %	N = 4.5 %								
Identification (TLC)	<p>complies with authentic material</p> <p>reference lot 0569901</p>								
Melting point	107 ° C								
Specific optical rotation	$[\alpha]_D^{24} = + 15.8^\circ$ (1% MeOH)								
Purity (TLC)	> 99%								
TLC conditions	<p>chloroform/ethylacetate/acetic acid 50/50/2</p> <p>chloroform/methanol/acetic acid 90/8/2</p> <p>toluene/dioxane/acetic acid 95/25/4</p> <p>plate: silicagel 60 F₂₅₄</p> <p>detected by: UV, chlorine-tolidine, ninhydrin, ammoniummolybdate</p>								
Assay (elemental analysis)	100.1 % (Cth 69.99%, Cfd 69.04%)								
Latest update: September 03, 2009									