

Analytical Data Sheet

Lot number

1049239

not for drug use

Catalog Number	C-2560.0005
Product number	4001811.0005
Product	Z- D- Pyr- OH
Molecular formula	C ₁₃ H ₁₃ NO ₅
Relative molecular mass	263.25

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 = 59.3 %</td> <td>C = 58.9 %</td> </tr> <tr> <td>H = 5.0 %</td> <td>H = 4.9 %</td> </tr> <tr> <td>N = 5.3 %</td> <td>N = 5.3 %</td> </tr> </table>	Theory	Found	C = 59.3 %	C = 58.9 %	H = 5.0 %	H = 4.9 %	N = 5.3 %	N = 5.3 %
Theory	Found								
C = 59.3 %	C = 58.9 %								
H = 5.0 %	H = 4.9 %								
N = 5.3 %	N = 5.3 %								
Identification (TLC)	complies with authentic material								
Melting point	142 °C								
Specific optical rotation	$[\alpha]_D^{24} = +34.2^\circ$ (1 % in methanol)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 77.5/15/7.5 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 chloroform/methanol/acetic acid/H ₂ O 85/13/0.5/1.5 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Latest update: July 23, 2013									