

Analytical Data Sheet

Lot number

1012519

not for drug use

Catalog Number	C-1595.0100
Product number	4000475.0100
Product	Z- Glu(OtBu) - OH
Molecular formula	C ₁₇ H ₂₃ NO ₆
Relative molecular mass	337.37

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 = 60.5 %</td> <td>C = 60.7 %</td> </tr> <tr> <td>H = 6.9 %</td> <td>H = 6.9 %</td> </tr> <tr> <td>N = 4.2 %</td> <td>N = 4.0 %</td> </tr> </table>	Theory	Found	C = 60.5 %	C = 60.7 %	H = 6.9 %	H = 6.9 %	N = 4.2 %	N = 4.0 %
Theory	Found								
C = 60.5 %	C = 60.7 %								
H = 6.9 %	H = 6.9 %								
N = 4.2 %	N = 4.0 %								
Identification (TLC)	Rf value in agreement with authentic material								
Melting point	83 °C								
Specific optical rotation	$[\alpha]_D^{24} = -14.2^\circ$ (1 % in MeOH)								
Purity (TLC)	≥ 98.5%								
TLC conditions	toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Enantiomer content (GC)	0.1 % D-Enantiomer								

Latest update: May 25, 2011

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