

Analytical Data Sheet

Lot number

0568256

not for drug use

Catalog Number	C-2110.0005
Product number	4000158.0005
Product	Z- Leu- OSu
Molecular formula	C ₁₈ H ₂₂ N ₂ O ₆
Relative molecular mass	362.38

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in acetone)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 59.66 %</td> <td>C = 59.40 %</td> </tr> <tr> <td>H = 6.12 %</td> <td>H = 5.75 %</td> </tr> <tr> <td>N = 7.73 %</td> <td>N = 7.78 %</td> </tr> </table>	Theory	Found	C = 59.66 %	C = 59.40 %	H = 6.12 %	H = 5.75 %	N = 7.73 %	N = 7.78 %
Theory	Found								
C = 59.66 %	C = 59.40 %								
H = 6.12 %	H = 5.75 %								
N = 7.73 %	N = 7.78 %								
Identification (TLC)	Complies with authentic material								
Melting point	119 °C								
Specific optical rotation	$[\alpha]_D^{24} = -33.6^\circ$ (2 % in dioxane)								
Purity (TLC)	≥ 98%								
TLC conditions	<p>chloroform/ethylacetate/acetic acid 50/50/2 methanol 60 % plate: RP-8 detected by: chlorine-tolidine</p> <p>chloroform/ethylacetate/acetic acid 50/50/2 toluene/dioxane/acetic acid 95/25/4 CHCl₃/methanol 95/5 plate: silicagel 60 F₂₅₄ detected by: ninhydrin, chlorine-tolidine</p>								
Assay (elemental analysis)	99.0 % (Cth 59.66 %, Cfd 59.06 %)								

Latest update: October 25, 2008

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