

Analytical Data Sheet

Lot number

1025614

not for drug use

Catalog Number	C-2035.0005
Product number	4003701.0005
Product	Z- Ile- 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 = 59.7%</td> <td>C = 59.6%</td> </tr> <tr> <td>H = 6.1%</td> <td>H = 6.2%</td> </tr> <tr> <td>N = 7.7%</td> <td>N = 7.7%</td> </tr> </table>	Theory	Found	C = 59.7%	C = 59.6%	H = 6.1%	H = 6.2%	N = 7.7%	N = 7.7%
Theory	Found								
C = 59.7%	C = 59.6%								
H = 6.1%	H = 6.2%								
N = 7.7%	N = 7.7%								
Identification (TLC)	complies with authentic material								
Melting point	116 °C								
Specific optical rotation	$[\alpha]_D^{24} = -15.8^\circ$ (2% in dioxane)								
Purity (TLC)	> 99%								
TLC conditions	methanol 70% plate: RP-8 chloroform/methanol/acetic acid 77.5/15/7.5 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine, ammoniummolybdate								
Assay (elemental analysis)	100.0% (Cth 59.66%, Cfd 59.64%)								
Latest update: July 29, 2009	Analytical Data Sheet Lot number 1025614								