

Analytical Data Sheet

Lot number **1073863**
not for drug use

Catalog number **C-1030.0005**
Product number **4000235.0005**
Product **Z- D- Ala- OSu**
Molecular formula **C₁₅H₁₆N₂O₆**
Relative molecular mass **320.30**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in acetone)								
Identification (elemental analysis)	<table> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 56.3%</td> <td>C = 56.0%</td> </tr> <tr> <td>H = 5.0%</td> <td>H = 5.1%</td> </tr> <tr> <td>N = 8.8%</td> <td>N = 8.7%</td> </tr> </table>	Theory	Found	C = 56.3%	C = 56.0%	H = 5.0%	H = 5.1%	N = 8.8%	N = 8.7%
Theory	Found								
C = 56.3%	C = 56.0%								
H = 5.0%	H = 5.1%								
N = 8.8%	N = 8.7%								
Identification (TLC)	complies with authentic material								
Melting point	122 °C 123 °C reference lot 1011292								
Specific optical rotation	$[\alpha]_D^{24} = +39.5^\circ$ (1 % in dioxane)								
Purity (TLC)	> 98%								
TLC conditions	methanol 60 % plate: RP-8 detected by: TMB, ammoniummolybdate chloroform/ethylacetate/acetic acid 50/50/2 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Assay (elemental analysis)	99.43% (Nth 8.75%, Nfd 8.70%)								
Water content (KF volumetric)	0.1%								

Latest update: October 13, 2017

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