

# Analytical Data Sheet

Lot number

**1037488**

not for drug use

Catalog Number	C-1455.0005
Product number	4001692.0005
Product	Z- Ser(tBu) - OH
Molecular formula	C <sub>15</sub> H <sub>21</sub> NO <sub>5</sub>
Relative molecular mass	295.34

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 = 61.0 %</td> <td>C = 60.9 %</td> </tr> <tr> <td>H = 7.2 %</td> <td>H = 7.3 %</td> </tr> <tr> <td>N = 4.7 %</td> <td>N = 4.7 %</td> </tr> </table>	Theory	Found	C = 61.0 %	C = 60.9 %	H = 7.2 %	H = 7.3 %	N = 4.7 %	N = 4.7 %
Theory	Found								
C = 61.0 %	C = 60.9 %								
H = 7.2 %	H = 7.3 %								
N = 4.7 %	N = 4.7 %								
Identification (TLC)	complies with authentic material								
Melting point	88 ° C								
Specific optical rotation	$[\alpha]_D^{24} = +21.5^\circ$ (1 % in ethanol)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 90/8/2 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB								
Enantiomer content (GC)	< 0.1% Z-D-Ser(tBu)-OH								
Assay (elemental analysis)	100.2% (Cth 61.00%, Cfd 61.12%)								
Latest update: July 07, 2011									