

## Analytical Data Sheet

Lot number **1074333**  
not for drug use

Catalog number **C-1400.0025**  
Product number **4003805.0025**  
Product **Z- Ser(Bzl) - OH**  
Molecular formula **C<sub>18</sub>H<sub>19</sub>NO<sub>5</sub>**  
Relative molecular mass **329.35**

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 65.6 %</td> <td>C = 65.3 %</td> </tr> <tr> <td>H = 5.8 %</td> <td>H = 5.7 %</td> </tr> <tr> <td>N = 4.3 %</td> <td>N = 4.2 %</td> </tr> </tbody> </table>	Theory	Found	C = 65.6 %	C = 65.3 %	H = 5.8 %	H = 5.7 %	N = 4.3 %	N = 4.2 %
Theory	Found								
C = 65.6 %	C = 65.3 %								
H = 5.8 %	H = 5.7 %								
N = 4.3 %	N = 4.2 %								
Identification (TLC)	complies with authentic material								
Melting point	101 °C								
Specific optical rotation	$[\alpha]_D^{24} = +12.2^\circ$ (1 % in methanol)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 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, chlorine-tolidine								
Assay (elemental analysis)	99.5% (Cth 65.64 %, Cfd 65.34 %)								

Latest update: November 11, 2017

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