

## Analytical Data Sheet

Lot number **1067811**  
not for drug use

Catalog number **C-1350.0005**  
Product number **4001085.0005**  
Product **Z- Asp(OBzl) - OH**  
Molecular formula **C<sub>19</sub>H<sub>19</sub>NO<sub>6</sub>**  
Relative molecular mass **357.36**

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 = 63.86 %</td> <td>C = 63.74 %</td> </tr> <tr> <td>H = 5.36 %</td> <td>H = 5.23 %</td> </tr> <tr> <td>N = 3.92 %</td> <td>N = 3.93 %</td> </tr> </tbody> </table>	Theory	Found	C = 63.86 %	C = 63.74 %	H = 5.36 %	H = 5.23 %	N = 3.92 %	N = 3.93 %
Theory	Found								
C = 63.86 %	C = 63.74 %								
H = 5.36 %	H = 5.23 %								
N = 3.92 %	N = 3.93 %								
Identification (TLC)	complies with authentic material								
Melting point	111 ° C								
Specific optical rotation	$[\alpha]_D^{24} = +9.1^\circ$ (5 % in acetic acid 80 %)								
Purity (TLC)	> 99%								
Related impurities (TLC)	< 0.1% Z-Asp-OBzl								
TLC conditions	chloroform/methanol/benzene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 benzene/dioxane/acetic acid 95/25/4 toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid 85/10/5 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.8% (Cth 63.86 %, Cfd 63.74 %)								

Latest update: September 13, 2016

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