

## Analytical Data Sheet

Lot number **1070128**  
not for drug use

Catalog number **A-3120.0001**  
Product number **4026472.0001**  
Product **Boc- Asp- OtBu**  
Molecular formula  $C_{13}H_{23}NO_6$   
Relative molecular mass 289.33

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 = 53.63 %</td> <td>C = 53.50 %</td> </tr> <tr> <td>H = 8.03 %</td> <td>H = 7.94 %</td> </tr> <tr> <td>N = 4.81 %</td> <td>N = 4.82 %</td> </tr> </tbody> </table> <p>Calc. as 0.1 H<sub>2</sub>O (0.6 %)</p>	Theory	Found	C = 53.63 %	C = 53.50 %	H = 8.03 %	H = 7.94 %	N = 4.81 %	N = 4.82 %
Theory	Found								
C = 53.63 %	C = 53.50 %								
H = 8.03 %	H = 7.94 %								
N = 4.81 %	N = 4.82 %								
Identification (TLC)	Complies with authentic material								
Melting point	108 °C								
Specific optical rotation	$[\alpha]_D^{24} = -24.5^\circ$ (1 % in methanol)								
Purity (TLC)	> 99%								
TLC conditions	Chloroform/methanol/benzene/H <sub>2</sub> O 8/8/8/1 Benzene/dioxane/acetic acid 95/25/4 Chloroform/ethylacetate/acetic acid 50/50/2 Plate: silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, chlorine-tolidine								
Water content (KF volumetric)	0.6%								

Latest update: February 14, 2017

**Analytical Data Sheet**  
Lot number **1070128**