

## Analytical Data Sheet

Lot number **1061603**  
not for drug use

Catalog number **E-1430.0025**  
Product number **4001090.0025**  
Product **H- Asp(OBzl) - OBzl · p- tosylate**  
Molecular formula **C<sub>18</sub>H<sub>19</sub>NO<sub>4</sub> · C<sub>7</sub>H<sub>8</sub>O<sub>3</sub>S**  
Relative molecular mass **485.56**

Tests	Results								
Appearance	off-white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 61.84 %</td> <td>C = 61.40 %</td> </tr> <tr> <td>H = 5.60 %</td> <td>H = 5.73 %</td> </tr> <tr> <td>N = 2.88 %</td> <td>N = 2.80 %</td> </tr> </tbody> </table>	Theory	Found	C = 61.84 %	C = 61.40 %	H = 5.60 %	H = 5.73 %	N = 2.88 %	N = 2.80 %
Theory	Found								
C = 61.84 %	C = 61.40 %								
H = 5.60 %	H = 5.73 %								
N = 2.88 %	N = 2.80 %								
Identification (TLC)	complies with authentic material								
Melting point	161 °C								
Specific optical rotation	$[\alpha]_D^{24} = +9.4^\circ$ (1 % in chloroform)								
Purity (TLC)	> 98%								
TLC conditions	chloroform/methanol/acetic acid/H <sub>2</sub> O 45/13/1/2 chloroform/methanol/acetic acid/H <sub>2</sub> O 85/13/0.5/1.5 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine MeOH 70 % plate: RP-8 detected by: UV, ninhydrin, chlorine-tolidine								
Enantiomer content (GC)	< 0.1% D-Enantiomer								
Assay (elemental analysis)	99.3% (Cth 61.84 %, Cfd 61.38 %)								
Water content (KF coulometric)	0.1%								

Latest update: September 09, 2015

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