

## Analytical Data Sheet

Lot number **1068416**  
not for drug use

Catalog number **B-2005.0001**  
Product number **4017355.0001**  
Product **Fmoc- β- (3- pyridyl) - Ala- OH**  
Molecular formula  $C_{23}H_{20}N_2O_4$   
Relative molecular mass 388.42

Tests	Results								
Appearance	White powder								
Appearance of solution	clear, colorless solution (50 mg/ml in dioxane)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 71.12 %</td> <td>C = 71.15 %</td> </tr> <tr> <td>H = 5.19 %</td> <td>H = 5.32 %</td> </tr> <tr> <td>N = 7.21 %</td> <td>N = 7.20 %</td> </tr> </table>	Theory	Found	C = 71.12 %	C = 71.15 %	H = 5.19 %	H = 5.32 %	N = 7.21 %	N = 7.20 %
Theory	Found								
C = 71.12 %	C = 71.15 %								
H = 5.19 %	H = 5.32 %								
N = 7.21 %	N = 7.20 %								
Identification (TLC)	Complies with authentic material								
Melting point	169 °C								
Specific optical rotation	$[\alpha]_D^{24} = +19.5^\circ$ (1 % in dioxane)								
Purity (HPLC)	100.0% (TFA, 260 nm)								
Purity (TLC)	> 99%								
TLC conditions	Ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11 Chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 Chloroform/methanol/acetic acid 77.5/15/7.5 Plate: silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, TMB								
Enantiomer content (GC)	0.4% D-Enantiomer								

Latest update: October 25, 2016

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