

# Analytical Data Sheet

Lot number

## 1019199

not for drug use

<b>Catalog Number</b>	<b>B-1995.0005</b>
<b>Product number</b>	<b>4016065.0005</b>
<b>Product</b>	<b>Fmoc- p- amino- Phe(Boc) - OH</b>
<b>Molecular formula</b>	$C_{29}H_{30}N_2O_6$
<b>Relative molecular mass</b>	502.57

Tests	Results								
<b>Appearance</b>	off-white powder with lumps								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in dioxane)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 69.31 %</td> <td>C = 69.23 %</td> </tr> <tr> <td>H = 6.02 %</td> <td>H = 6.09 %</td> </tr> <tr> <td>N = 5.57 %</td> <td>N = 5.47 %</td> </tr> </table>	Theory	Found	C = 69.31 %	C = 69.23 %	H = 6.02 %	H = 6.09 %	N = 5.57 %	N = 5.47 %
Theory	Found								
C = 69.31 %	C = 69.23 %								
H = 6.02 %	H = 6.09 %								
N = 5.57 %	N = 5.47 %								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Melting point</b>	157.7 °C								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = +26.21^\circ$ (1 % in dioxane)								
<b>Purity (HPLC)</b>	98.8% (TFA, 260 nm)								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/benzene/H <sub>2</sub> O 8/8/8/1 benzene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
<b>Enantiomer content (GC)</b>	0.2% D-Enantiomer								

Latest update: November 07, 2008

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