

# Analytical Data Sheet

Lot number

## 1038654

not for drug use

<b>Catalog Number</b>	<b>B-1910.0025</b>
<b>Product number</b>	<b>4016030.0025</b>
<b>Product</b>	<b>Fmoc-<math>\gamma</math>- Abu- OH</b>
<b>Molecular formula</b>	$C_{19}H_{19}NO_4$
<b>Relative molecular mass</b>	325.36

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/mL in dioxane) clear, colorless solution (0.5 mmol/mL in DMF)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 70.1 %</td> <td>C = 70.1 %</td> </tr> <tr> <td>H = 5.9 %</td> <td>H = 6.0 %</td> </tr> <tr> <td>N = 4.3 %</td> <td>N = 4.3 %</td> </tr> </table>	Theory	Found	C = 70.1 %	C = 70.1 %	H = 5.9 %	H = 6.0 %	N = 4.3 %	N = 4.3 %
Theory	Found								
C = 70.1 %	C = 70.1 %								
H = 5.9 %	H = 6.0 %								
N = 4.3 %	N = 4.3 %								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Melting point</b>	175 °C								
<b>Purity (HPLC)</b>	99.0% (TFA)								
<b>Related impurities (HPLC)</b>	0.1% Fmoc- $\beta$ -Ala-OH								
<b>Purity (TLC)</b>	> 99%								
<b>Related impurities (TLC)</b>	< 0.1% H- $\gamma$ -Abu-OH								
<b>TLC conditions</b>	chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
<b>Assay (titration)</b>	99.3%								
<b>Water content (KF volumetric)</b>	0.4%								
<b>Acetic acid content (IC)</b>	0.004%								

Latest update: September 09, 2011

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