

# Analytical Data Sheet

Lot number

## 1021936

not for drug use

<b>Catalog Number</b>	<b>B-3600.0005</b>
<b>Product number</b>	<b>4003522.0005</b>
<b>Product</b>	<b>Fmoc-Arg(Z)<sub>2</sub>-OH</b>
<b>Molecular formula</b>	<b>C<sub>37</sub>H<sub>36</sub>N<sub>4</sub>O<sub>8</sub></b>
<b>Relative molecular mass</b>	<b>664.72</b>

Tests	Results								
<b>Appearance</b>	white powder								
<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 = 66.86 %</td> <td>C = 66.71 %</td> </tr> <tr> <td>H = 5.46 %</td> <td>H = 5.58 %</td> </tr> <tr> <td>N = 8.43 %</td> <td>N = 8.38 %</td> </tr> </table>	Theory	Found	C = 66.86 %	C = 66.71 %	H = 5.46 %	H = 5.58 %	N = 8.43 %	N = 8.38 %
Theory	Found								
C = 66.86 %	C = 66.71 %								
H = 5.46 %	H = 5.58 %								
N = 8.43 %	N = 8.38 %								
<b>Identification (TLC)</b>	conforms with authentic material								
<b>Purity (HPLC)</b>	99.3% (TFA)								
<b>Purity (TLC)</b>	≥ 99%								
<b>TLC conditions</b>	toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine								
<b>Assay (titration)</b>	100.8% (TBAH)								
Latest update: January 30, 2009									