

# Analytical Data Sheet

Lot number

**1051698**

not for drug use

<b>Catalog Number</b>	<b>B-2940.0005</b>
<b>Product number</b>	<b>4027707.0005</b>
<b>Product</b>	<b>Fmoc- D- Arg(Boc)<sub>2</sub>- OH</b>
<b>Molecular formula</b>	<b>C<sub>31</sub>H<sub>40</sub>N<sub>4</sub>O<sub>8</sub></b>
<b>Relative molecular mass</b>	<b>596.68</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 = 61.75 %</td> <td>C = 61.43 %</td> </tr> <tr> <td>H = 6.80 %</td> <td>H = 6.86 %</td> </tr> <tr> <td>N = 9.29 %</td> <td>N = 9.15 %</td> </tr> </table> <p>calc. as 0.35 HO (1.05 %)</p>	Theory	Found	C = 61.75 %	C = 61.43 %	H = 6.80 %	H = 6.86 %	N = 9.29 %	N = 9.15 %
Theory	Found								
C = 61.75 %	C = 61.43 %								
H = 6.80 %	H = 6.86 %								
N = 9.29 %	N = 9.15 %								
<b>Identification (TLC)</b>	conforms with authentic material								
<b>Purity (HPLC)</b>	81.9% (TFA)								
<b>Purity (TLC)</b>	> 90%								
<b>TLC conditions</b>	chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/acetic acid/H <sub>2</sub> O 90/10/0.5/1 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB								
<b>Assay (elemental analysis)</b>	98.4% (Cth 62.40 %, Cfd 61.43 %)								
<b>Water content (KF volumetric)</b>	1 %								
Latest update: January 10, 2014									