

# Analytical Data Sheet

Lot number

## 1015478

not for drug use

<b>Catalog Number</b>	<b>B-3485.0005</b>
<b>Product number</b>	<b>4033337.0005</b>
<b>Product</b>	<b>Fmoc- L- leucinol</b>
<b>Molecular formula</b>	$C_{21}H_{25}NO_3$
<b>Relative molecular mass</b>	339.43

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in MeOH)								
<b>Identification (ESI-MS)</b>	m = 339.4u								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 74.31 %</td> <td>C = 74.37 %</td> </tr> <tr> <td>H = 7.42 %</td> <td>H = 7.49 %</td> </tr> <tr> <td>N = 4.13 %</td> <td>N = 4.06 %</td> </tr> </table>	Theory	Found	C = 74.31 %	C = 74.37 %	H = 7.42 %	H = 7.49 %	N = 4.13 %	N = 4.06 %
Theory	Found								
C = 74.31 %	C = 74.37 %								
H = 7.42 %	H = 7.49 %								
N = 4.13 %	N = 4.06 %								
<b>Melting point</b>	130 °C								
<b>Purity (HPLC)</b>	99.9% (TFA, 260 nm)								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 chloroform/ethylacetate/acetic acid 50/50/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB								
<b>Assay (elemental analysis)</b>	100.1% (Cth 74.31 %, Cfd 74.37 %)								
Latest update: October 24, 2008	<b>Analytical Data Sheet</b> Lot number <b>1015478</b>								