

# Analytical Data Sheet

Lot number

**1024509**

not for drug use

<b>Catalog Number</b>	<b>B-1880.0025</b>
<b>Product number</b>	<b>4016149.0025</b>
<b>Product</b>	<b>Fmoc- Cys(Bzl) - OH</b>
<b>Molecular formula</b>	$C_{25}H_{23}NO_4S$
<b>Relative molecular mass</b>	433.53

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in acetone)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 69.26 %</td> <td>C = 69.08 %</td> </tr> <tr> <td>H = 5.35 %</td> <td>H = 5.34 %</td> </tr> <tr> <td>N = 3.23 %</td> <td>N = 3.29 %</td> </tr> </table>	Theory	Found	C = 69.26 %	C = 69.08 %	H = 5.35 %	H = 5.34 %	N = 3.23 %	N = 3.29 %
Theory	Found								
C = 69.26 %	C = 69.08 %								
H = 5.35 %	H = 5.34 %								
N = 3.23 %	N = 3.29 %								
<b>Identification (TLC)</b>	complies with authentic material								
<b>Melting point</b>	132 °C								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = -45.1^\circ$ (2 % in dimethylformamide)								
<b>Purity (HPLC)</b>	99.5% (TFA, 260 nm)								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	chloroform/methanol/benzene/H <sub>2</sub> O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 benzene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F <sub>254</sub> detected by: UV, chlorine-tolidine								
Latest update: June 12, 2009									