

# Analytical Data Sheet

Lot number

## 1017264

not for drug use

<b>Catalog Number</b>	<b>B-2190.0025</b>
<b>Product number</b>	<b>4018533.0025</b>
<b>Product</b>	<b>Fmoc-His(1-Mtt) - OH</b>
<b>Molecular formula</b>	$C_{41}H_{35}N_3O_4$
<b>Relative molecular mass</b>	633.75

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 = 76.92 %</td> <td>C = 76.49 %</td> </tr> <tr> <td>H = 5.62 %</td> <td>H = 6.02 %</td> </tr> <tr> <td>N = 6.56 %</td> <td>N = 6.23 %</td> </tr> </table>	Theory	Found	C = 76.92 %	C = 76.49 %	H = 5.62 %	H = 6.02 %	N = 6.56 %	N = 6.23 %
Theory	Found								
C = 76.92 %	C = 76.49 %								
H = 5.62 %	H = 6.02 %								
N = 6.56 %	N = 6.23 %								
<b>Identification (TLC)</b>	Complies with authentic material								
<b>Melting point</b>	131 °C								
<b>Purity (HPLC)</b>	99.1 % (TFA)								
<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, ninhydrin, chlorine-tolidine								
<b>Water content (KF volumetric)</b>	0.9%								

Latest update: October 24, 2008

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