

Analytical Data Sheet

Lot number

1021914

not for drug use

Catalog Number	B-2435.0005
Product number	4025248.0005
Product	Fmoc- Gln(1- adamantyl) - OH
Molecular formula	$C_{30}H_{34}N_2O_5$
Relative molecular mass	502.61

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in dioxane)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 71.2 %</td> <td>C = 70.8 %</td> </tr> <tr> <td>H = 6.9 %</td> <td>H = 6.8 %</td> </tr> <tr> <td>N = 5.5 %</td> <td>N = 5.5 %</td> </tr> </table> <p>calc. x 0.2 H₂O (0.6 %)</p>	Theory	Found	C = 71.2 %	C = 70.8 %	H = 6.9 %	H = 6.8 %	N = 5.5 %	N = 5.5 %
Theory	Found								
C = 71.2 %	C = 70.8 %								
H = 6.9 %	H = 6.8 %								
N = 5.5 %	N = 5.5 %								
Identification (TLC)	complies with authentic material								
Melting point	164 °C								
Purity (HPLC)	99.6% (TFA, 260 nm)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 benzene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Water content (KF volumetric)	0.7%								

Latest update: January 29, 2009

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