

Analytical Data Sheet

Lot number

1020462

not for drug use

Catalog Number	B-2785.0025
Product number	4028841.0025
Product	Fmoc-Arg(NO₂)-OH
Molecular formula	C₂₁H₂₃N₅O₆
Relative molecular mass	441.45

Tests	Results									
Appearance	white powder									
Appearance of solution	clear, colorless solution (50 mg/ml in acetic acid 80 %)									
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 57.1 %</td> <td>C = 57.1 %</td> </tr> <tr> <td>H = 5.3 %</td> <td>H = 5.4 %</td> </tr> <tr> <td>N = 15.9 %</td> <td>N = 15.7 %</td> </tr> </table>	Theory	Found	C = 57.1 %	C = 57.1 %	H = 5.3 %	H = 5.4 %	N = 15.9 %	N = 15.7 %	
Theory	Found									
C = 57.1 %	C = 57.1 %									
H = 5.3 %	H = 5.4 %									
N = 15.9 %	N = 15.7 %									
Identification (TLC)	complies with authentic material									
Melting point	160 °C									
Purity (HPLC)	98.3% (TFA, 260 nm)									
Purity (TLC)	> 99%									
TLC conditions	chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine									
Latest update: November 14, 2008		Analytical Data Sheet Lot number 1020462								