

Analytical Data Sheet

Lot number

1013747

not for drug use

Catalog Number	B-1695.0025
Product number	4014371.0025
Product	Fmoc-Arg(Pmc) - OPfp
Molecular formula	$C_{41}H_{41}F_5N_4O_7S$
Relative molecular mass	828.86

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 = 58.5 %</td> <td>C = 58.2 %</td> </tr> <tr> <td>H = 5.3 %</td> <td>H = 5.2 %</td> </tr> <tr> <td>N = 7.3 %</td> <td>N = 7.2 %</td> </tr> </table> <p>calc. x 0.6 DMF (5.0 %) x 0.3 H₂O (0.6 %)</p>	Theory	Found	C = 58.5 %	C = 58.2 %	H = 5.3 %	H = 5.2 %	N = 7.3 %	N = 7.2 %
Theory	Found								
C = 58.5 %	C = 58.2 %								
H = 5.3 %	H = 5.2 %								
N = 7.3 %	N = 7.2 %								
Identification (TLC)	complies with authentic material								
Purity (HPLC)	81.8% (TFA)								
Related impurities (HPLC)	6.6% Lactam 7.5% Fmoc-Arg(Pmc)-OH								
Purity (TLC)	decomposes								
TLC conditions	chloroform/methanol/acetic acid 90/8/2 toluene/dioxane/acetic acid 95/25/4 chloroform/ethylacetate 9/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Water content (KF volumetric)	0.3%								
Residual organic solvents (GC)	4.9% dimethylformamide								
Latest update: October 24, 2008									