

Analytical Data Sheet

Lot number

1027552

not for drug use

Catalog Number	B-1840.0001
Product number	4016143.0001
Product	Fmoc- D- Glu(OtBu) - OPfp
Molecular formula	$C_{30}H_{26}F_5NO_6$
Relative molecular mass	591.53

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 = 60.9 %</td> <td>C = 60.7 %</td> </tr> <tr> <td>H = 4.4 %</td> <td>H = 4.5 %</td> </tr> <tr> <td>N = 2.4 %</td> <td>N = 2.3 %</td> </tr> </table> <p>calc. x 0.3 H₂O (0.7 %) x 0.07 acetone (0.7 %) x 0.1 hexane (1.6 %) x 0.05 dioxane (0.7 %)</p>	Theory	Found	C = 60.9 %	C = 60.7 %	H = 4.4 %	H = 4.5 %	N = 2.4 %	N = 2.3 %
Theory	Found								
C = 60.9 %	C = 60.7 %								
H = 4.4 %	H = 4.5 %								
N = 2.4 %	N = 2.3 %								
Melting point	120 °C								
Specific optical rotation	$[\alpha]_D^{24} = +17.8^\circ$ (1 % in chloroform)								
Purity (HPLC)	98.9% (TFA)								
TLC conditions	ethylacetate/hexane 4/5 chloroform/ethylacetate 9/1 chloroform/methanol/acetic acid 80/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.7% (Cth 60.91 %, Cfd 60.71 %)								
Residual organic solvents (GC)	1.5% hexane 0.7% acetone 0.7% dioxane								
Latest update: November 13, 2009	Analytical Data Sheet Lot number 1027552								