

Analytical Data Sheet

Lot number

1017350

not for drug use

Catalog Number	B-1195.0025
Product number	4011861.0025
Product	Fmoc-Tyr(tBu) – OPfp
Molecular formula	$C_{34}H_{28}F_5NO_5$
Relative molecular mass	625.59

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 = 65.3 %</td> <td>C = 65.4 %</td> </tr> <tr> <td>H = 4.5 %</td> <td>H = 4.4 %</td> </tr> <tr> <td>N = 2.2 %</td> <td>N = 2.2 %</td> </tr> </table>	Theory	Found	C = 65.3 %	C = 65.4 %	H = 4.5 %	H = 4.4 %	N = 2.2 %	N = 2.2 %
Theory	Found								
C = 65.3 %	C = 65.4 %								
H = 4.5 %	H = 4.4 %								
N = 2.2 %	N = 2.2 %								
Identification (TLC)	conforms with authentic material								
Melting point	104 °C								
Purity (HPLC)	98.6% (TFA)								
Purity (TLC)	decomposes on TLC plate								
TLC conditions	chloroform/methanol/acetic acid 80/3/1 ethylacetate/hexane 4/5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine–tolidine								
Assay (elemental analysis)	100.2% (Cth 65.28 %, Cfd 65.44 %)								

Latest update: October 24, 2008

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