

Analytical Data Sheet

Lot number

1021797

not for drug use

Catalog Number	B-3650.0005
Product number	4035481.0005
Product	Fmoc- Asp(OtBu) - (Hmb) Gly- OH
Molecular formula	$C_{33}H_{36}N_2O_9$
Relative molecular mass	604.67

Tests	Results								
Appearance	light grey powder								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 65.55 %</td> <td>C = 65.51 %</td> </tr> <tr> <td>H = 6.00 %</td> <td>H = 6.19 %</td> </tr> <tr> <td>N = 4.63 %</td> <td>N = 4.23 %</td> </tr> </table>	Theory	Found	C = 65.55 %	C = 65.51 %	H = 6.00 %	H = 6.19 %	N = 4.63 %	N = 4.23 %
Theory	Found								
C = 65.55 %	C = 65.51 %								
H = 6.00 %	H = 6.19 %								
N = 4.63 %	N = 4.23 %								
Identification (TLC)	conforms with authentic material								
Purity (HPLC)	99.3% (TFA)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/ethylacetate/acetic acid 50/50/2 chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/toluene/H ₂ O 8/8/8/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (titration)	93.9% (TBAH)								
Water content (KF volumetric)	0.2%								
General comment	the product contains residual solvent (EtoAc)								

Latest update: January 26, 2009

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