

Analytical Data Sheet

Lot number

1030782

not for drug use

Catalog Number	B-1075.0005
Product number	4008064.0005
Product	Fmoc- Asp(OtBu) - OSu
Molecular formula	$C_{27}H_{28}N_2O_8$
Relative molecular mass	508.53

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in acetone)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 63.8%</td> <td>C = 63.7%</td> </tr> <tr> <td>H = 5.6%</td> <td>H = 5.7%</td> </tr> <tr> <td>N = 5.5%</td> <td>N = 5.4%</td> </tr> </table>	Theory	Found	C = 63.8%	C = 63.7%	H = 5.6%	H = 5.7%	N = 5.5%	N = 5.4%
Theory	Found								
C = 63.8%	C = 63.7%								
H = 5.6%	H = 5.7%								
N = 5.5%	N = 5.4%								
Identification (TLC)	complies with authentic material								
Melting point	133 °C								
Specific optical rotation	$[\alpha]_D^{24} = -31.3^\circ$ (1% in dimethylformamide)								
Purity (TLC)	> 97% (RP-8 plate)								
TLC conditions	methanol 80% plate: RP-8 detected by: ammoniummolybdate toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/ethylacetate/acetic acid 50/50/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.9% (Cth 63.77%, Cfd 63.69%)								
Latest update: May 19, 2010									