

Analytical Data Sheet

Lot number

1019331

not for drug use

Catalog Number	B-1055.0005
Product number	4003190.0005
Product	Fmoc-Asn-ONp
Molecular formula	$C_{25}H_{21}N_3O_7$
Relative molecular mass	475.46

Tests	Results								
Appearance	white powder								
Appearance of solution	Clear, colorless solution (10 mg/ml in dimethylformamide)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 63.15 %</td> <td>C = 63.35 %</td> </tr> <tr> <td>H = 4.45 %</td> <td>H = 4.52 %</td> </tr> <tr> <td>N = 8.84 %</td> <td>N = 8.77 %</td> </tr> </table>	Theory	Found	C = 63.15 %	C = 63.35 %	H = 4.45 %	H = 4.52 %	N = 8.84 %	N = 8.77 %
Theory	Found								
C = 63.15 %	C = 63.35 %								
H = 4.45 %	H = 4.52 %								
N = 8.84 %	N = 8.77 %								
Melting point	186 °C								
Specific optical rotation	$[\alpha]_D^{24} = -37.8^\circ$ (1 % in dimethylformamide)								
Purity (TLC)	Product decomposes on TLC-plate								
TLC conditions	Benzene/dioxane/acetic acid 95/25/4 Chloroform/ethylacetate/acetic acid 50/50/2 Chloroform/methanol/acetic acid/H ₂ O 85/13/0.5/1.5 Plate: silicagel 60 F ₂₅₄ Detected by: chlorine -tolidine								
Enantiomer content (GC)	0.4% D-Isomer								

Latest update: October 15, 2008

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