

Analytical Data Sheet

Lot number

1024168

not for drug use

Catalog Number	B-1175.0025
Product number	4011852.0025
Product	Fmoc- Pro- OPfp
Molecular formula	$C_{26}H_{18}F_5NO_4$
Relative molecular mass	503.43

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 = 62.0%</td> <td>C = 61.7%</td> </tr> <tr> <td>H = 3.6%</td> <td>H = 3.6%</td> </tr> <tr> <td>N = 2.8%</td> <td>N = 2.7%</td> </tr> </table>	Theory	Found	C = 62.0%	C = 61.7%	H = 3.6%	H = 3.6%	N = 2.8%	N = 2.7%
Theory	Found								
C = 62.0%	C = 61.7%								
H = 3.6%	H = 3.6%								
N = 2.8%	N = 2.7%								
Identification (TLC)	Complies with authentic material								
Melting point	129.5 °C								
Specific optical rotation	$[\alpha]_D^{24} = -60.7^\circ$ (1 % in chloroform)								
Purity (HPLC)	99.9% (TFA)								
Purity (TLC)	> 99%								
TLC conditions	Ethylacetate/hexane 4/5 Chloroform/ethylacetate 9/1 Chloroform/ethylacetate/acetic acid 50/50/2 Plate: silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine								
Latest update: May 20, 2009									