

Analytical Data Sheet

Lot number

1052378

not for drug use

Catalog Number	B-2120.0001
Product number	4012100.0001
Product	Fmoc- β- (2- thienyl) - D- Ala- OH
Molecular formula	C₂₂H₁₉NO₄S
Relative molecular mass	393.46

Tests	Results								
Appearance	white product								
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 = 67.16 %</td> <td>C = 67.16 %</td> </tr> <tr> <td>H = 4.87 %</td> <td>H = 4.95 %</td> </tr> <tr> <td>N = 3.56 %</td> <td>N = 3.68 %</td> </tr> </table>	Theory	Found	C = 67.16 %	C = 67.16 %	H = 4.87 %	H = 4.95 %	N = 3.56 %	N = 3.68 %
Theory	Found								
C = 67.16 %	C = 67.16 %								
H = 4.87 %	H = 4.95 %								
N = 3.56 %	N = 3.68 %								
Identification (TLC)	complies with authentic material								
Melting point	173 °C								
Specific optical rotation	$[\alpha]_D^{24} = -18.2^\circ$ (1 % in dioxane)								
Purity (HPLC)	99.4% (TFA, 260 nm)								
Purity (TLC)	> 99%								
TLC conditions	benzene/dioxane/acetic acid 95/25/4 chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, chlorine-tolidine								
Latest update: February 20, 2014	Analytical Data Sheet Lot number 1052378								