

Analytical Data Sheet

Lot number

0566655

not for drug use

Catalog Number	B-2070.0005
Product number	4016064.0005
Product	Fmoc- 4- amino- Phe- OH
Molecular formula	C ₂₄ H ₂₂ N ₂ O ₄
Relative molecular mass	402.45

Tests	Results								
Appearance	off-white powder								
Appearance of solution	clear, pale yellowish solution (25 mg/ml in AcOH 80 %) (warmed)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 71.63 %</td> <td>C = 71.21 %</td> </tr> <tr> <td>H = 5.51 %</td> <td>H = 5.62 %</td> </tr> <tr> <td>N = 6.96 %</td> <td>N = 6.89 %</td> </tr> </table>	Theory	Found	C = 71.63 %	C = 71.21 %	H = 5.51 %	H = 5.62 %	N = 6.96 %	N = 6.89 %
Theory	Found								
C = 71.63 %	C = 71.21 %								
H = 5.51 %	H = 5.62 %								
N = 6.96 %	N = 6.89 %								
Identification (TLC)	complies with authentic material								
Melting point	212 °C								
Purity (HPLC)	97.9% (TFA, 260 nm)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid(98-100%)/H ₂ O 45/13/1/2 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 chloroform/methanol/benzene/H ₂ O 8/8/8/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Latest update: June 13, 2013									