

Analytical Data Sheet

Lot number

1044495

not for drug use

Catalog Number	A-2345.0005
Product number	4010088.0005
Product	Boc- Lys(Tfa) - OH
Molecular formula	$C_{13}H_{21}F_3N_2O_5$
Relative molecular mass	342.32

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 45.6 %</td> <td>C = 45.3 %</td> </tr> <tr> <td>H = 6.2 %</td> <td>H = 6.0 %</td> </tr> <tr> <td>N = 8.2 %</td> <td>N = 8.1 %</td> </tr> </table>	Theory	Found	C = 45.6 %	C = 45.3 %	H = 6.2 %	H = 6.0 %	N = 8.2 %	N = 8.1 %
Theory	Found								
C = 45.6 %	C = 45.3 %								
H = 6.2 %	H = 6.0 %								
N = 8.2 %	N = 8.1 %								
Identification (TLC)	complies with authentic material								
Melting point	106 °C								
Specific optical rotation	$[\alpha]_D^{24} = -13.7^\circ$ (1 % in dimethylformamide)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 85/10/5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.4 % (Cth 45.61 %, Cfd 45.34 %)								
Latest update: September 10, 2012									