

Analytical Data Sheet

Lot number

1046752

not for drug use

Catalog Number	B-3380.0001
Product number	4028795.0001
Product	Fmoc- Lys(Nde) - OH
Molecular formula	$C_{32}H_{29}N_3O_8$
Relative molecular mass	538.60

Tests	Results								
Appearance	yellow powder								
Appearance of solution	clear, yellow solution (50 mg/mL in dioxane)								
Identification (ESI-MS)	m = 582.9u								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 65.9%</td> <td>C = 65.6%</td> </tr> <tr> <td>H = 5.0%</td> <td>H = 5.1%</td> </tr> <tr> <td>N = 7.2%</td> <td>N = 7.2%</td> </tr> </table>	Theory	Found	C = 65.9%	C = 65.6%	H = 5.0%	H = 5.1%	N = 7.2%	N = 7.2%
Theory	Found								
C = 65.9%	C = 65.6%								
H = 5.0%	H = 5.1%								
N = 7.2%	N = 7.2%								
Purity (HPLC)	99.6% (TFA)								
Purity (TLC)	> 99%								
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/10/3/4 chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 77.5/15/7.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Enantiomer content (chiral chromatography)	< 0.1% D-enantiomer								
Assay (titration)	91.6% (TBAH)								
Water content (KF volumetric)	0.2%								

Latest update: February 07, 2013

Analytical Data Sheet
Lot number **1046752**