Analytical Data Sheet

Lot number

1023015

not for drug use

Catalog Number	**B-2790.0005**
Product number	**4030576.0005**
Product	**Fmoc- Lys(2- chloro- Z) - OH**
Molecular formula	$C_{29}H_{29}ClN_2O_6$
Relative molecular mass	537.01

Tests	Results
Appearance	white powder with a slight hint of orange
Appearance of solution	clear, colorless solution (50 mg/ml in dimethylformamide)
Identification (ESI-MS)	m = 536.8 u
Identification (elemental analysis)	Theory / Found C = 64.9 % / C = 64.7 % H = 5.4 % / H = 5.5 % N = 5.2 % / N = 5.2 %
Melting point	134 °C
Specific optical rotation	$[\alpha]_D^{24}$ = - 9.8 ° (1 % in dimethylformamide)
Purity (HPLC)	99.3 % (TFA, 260 nm)
Purity (TLC)	99 %
TLC conditions	chloroform/methanol/benzene/H_2O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/acetic acid/H_2O 90/10/0.5/1 plate: silicagel 60 F_{254} detected by: UV, ninhydrin, chlorine-tolidine

Latest update: March 27, 2009