

CERTIFICATE OF ANALYSIS

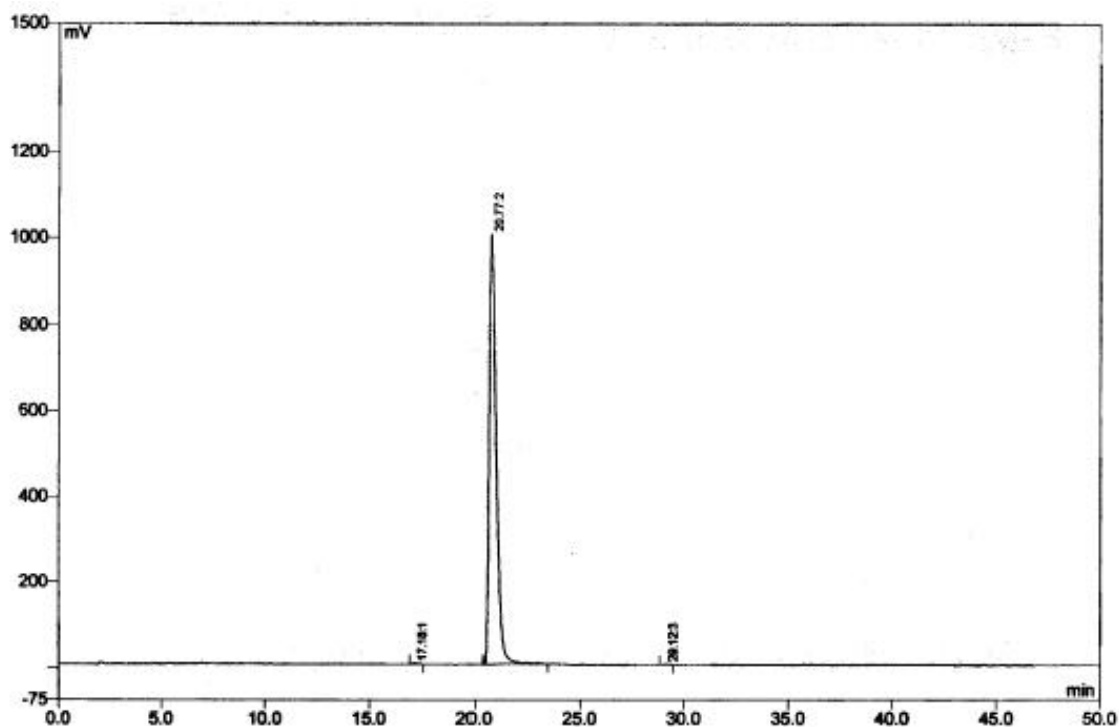
Product Name: Fmoc-L-Lys(Boc)-OH  
CAS No.: 71989-26-9  
Lot No.: A27784  
Molecular Formula: C<sub>26</sub>H<sub>32</sub>N<sub>2</sub>O<sub>6</sub>  
Molecular Weight: 468.6  
Manufacturing Date: July 10, 2004.  
Prolonged Storage: <25 °C

Tests	Specifications	Results
Appearance	White to off white powder	White powder
Purity(HPLC)	≥98.0%	99.5%
Specific Rotation[a] <sub>D</sub> <sup>20</sup>	-11.0° ± 1.5° (C=1% in DMF)	-11.4° (C=1% in DMF)
Optical Purity	< 0.5 % D-enantiomer	< 0.1 %
TLC	Purity ≥98%	>99.5%
Solubility	1 mmole in 2 ml DMF clearly soluble	Clear solution

**Quality control (seal):**

Sample Name: Fmoc-L-Lys(Boc)-OH  
Sample Description: 04-12-1026 A27784,  
1mg/ml MeOH  
Vial Number: 06  
Application: Fmoc0204

Analyzed: 07.01.04 11:30  
Processed: 07.01.04 17:18  
Reported: 07.01.04 17:18



Acquisition Method: Fmoc  
 Processing Method: Fmoc  
 Column Type: MNNucleosil C18HD 125×3mm 100-3  
 Solvent A: TEAP 0.05 M pH 2.25  
 Solvent B: Eluent A + ACN(10/90)  
 Gradient: 35-95% B in 35 min  
 Flow: 0.8ml/min  
 Detection: UV 215nm  
 Temp: 30 °C  
 Volume: 5,0ul

No.	Ret.Time min	Type	Area %	Height mV
1	17.18	MLR	0.28	3.70
2	20.77	MLR	99.51	1001.72
3	29.12	MOD	0.21	2.77
			100.00	1008.19

Peak rejection level:10000