

CERTIFICATE OF ANALYSIS

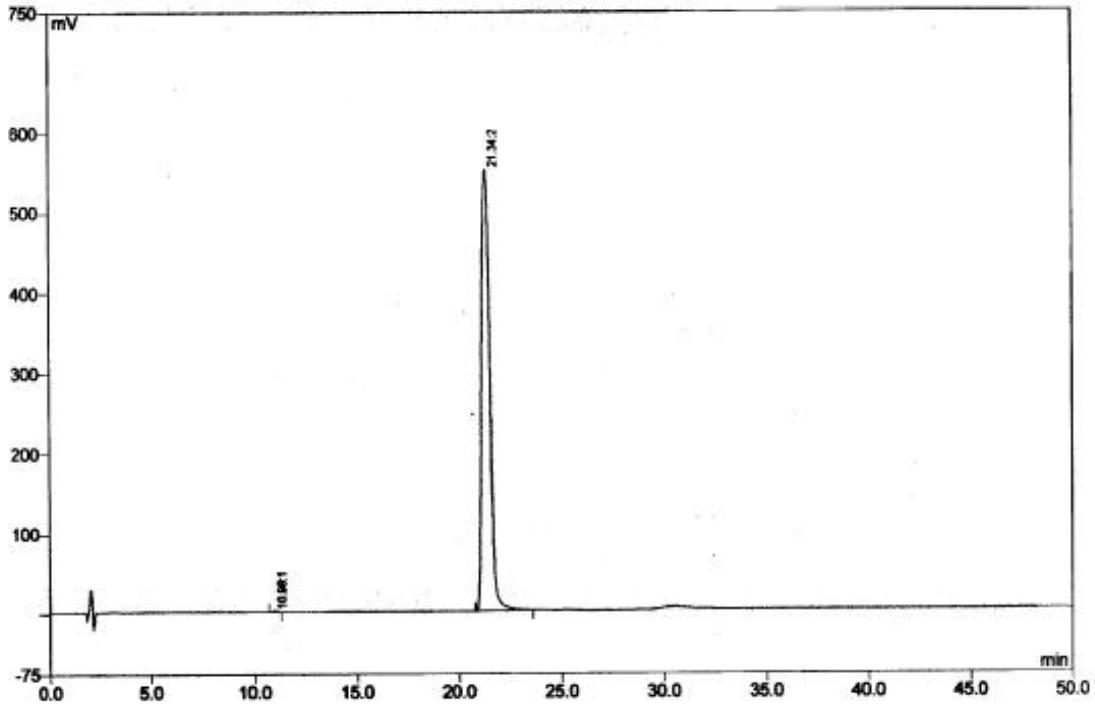
Product Name: Fmoc-L-Ser(tBu)-OH
CAS No.: 71989-33-8
Lot No.: A28477
Molecular Formula: C₂₂H₂₅NO₅
Molecular Weight: 383.4
Manufacturing Date: July 10, 2004.
Prolonged Storage: <25 °C

Tests	Specifications	Results
Appearance	White to off white powder	White powder
Purity(HPLC)	≥98.0%	99.5%
Specific Rotation[α] _D ²⁰	-25.0° ± 2.5° (C=1% in DMF)	25.4° (C=1% in DMF)
Optical Purity	< 0.5 % D-enantiomer	< 0.1 %
TLC	Purity ≥98%	>99%
Solubility	25 mmole in 50 ml DMF clearly soluble	Clear solution

Quality control (seal):

Sample Name: Fmoc- Leu-OH
Sample Description: 04-12-1025 A28917,
1mg/ml MeOH
Vial Number: 34
Application: Fmoc0209

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	10.96	MLR	0.21	1.87
2	21.34	MLR	99.79	550.63
			100.00	552.50

Peak rejection level:10000