

CERTIFICATE OF ANALYSIS

Product Name: Fmoc-Asp(OtBu)-OH
CAS No.: 71989-14-5
Lot No.: A27653
Molecular Formula: $C_{23}H_{25}NO_6$
Molecular Weight: 411.5
Manufacturing Date: July 10, 2004.
Prolonged Storage: $<25^{\circ}C$

Tests	Specifications	Results
Appearance	White to off white powder	White powder
Purity(HPLC)	$\geq 98.0\%$	99.2%
Specific Rotation $[a]_D^{20}$	$-24.0^{\circ} \pm 2.5^{\circ}$ (C=5% in $CHCl_3$)	-23.6°
Optical Purity	$< 0.5\%$ D-enantiomer	0.1 %
TLC	Purity $\geq 98\%$	$>99\%$
Solubility	1 mmole in 2 ml DMF clearly soluble	Clear solution

Quality control (seal):

Sample Name: Fmoc-Asp(OtBu)-OH

Vial Number: 14

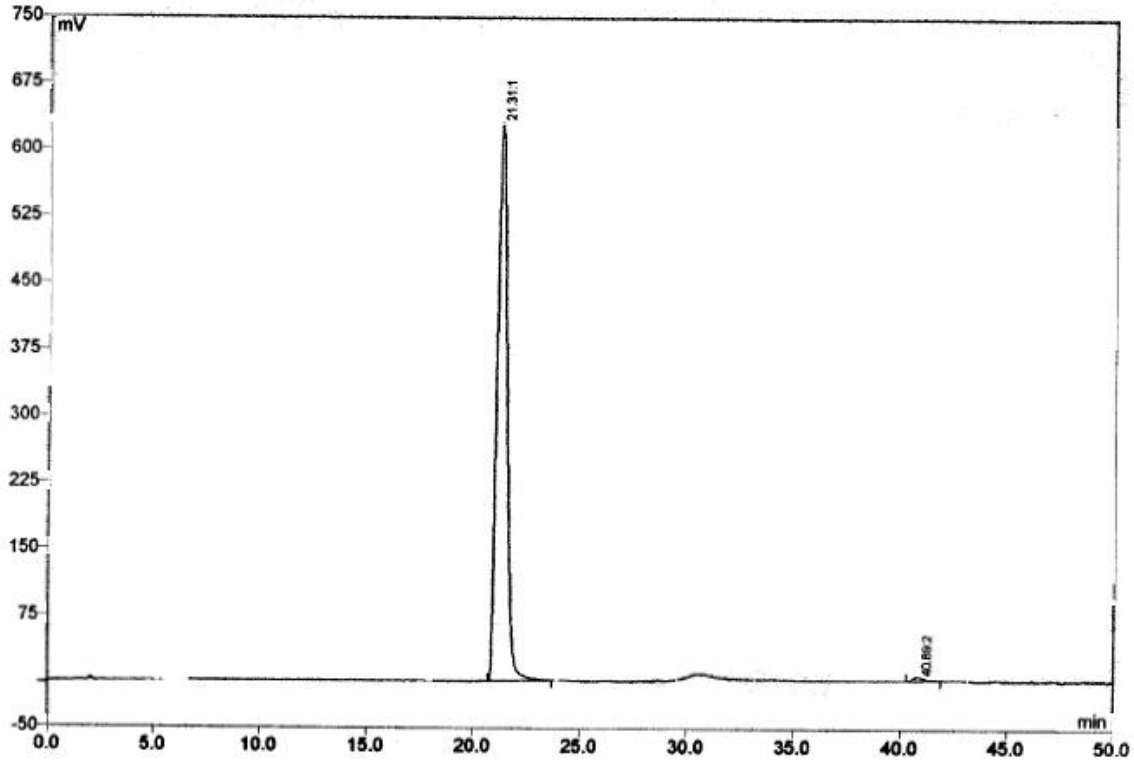
Sample Description: 04-12-1013 A27653,

Application: Fmoc0203

Analyzed: 04.03.03 08:45

Processed: 04.03.03 09:47

Reported: 04.03.03 09:47



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	Area mV min	Area %	Type
1	21.31	342.63	99.15	MLR
2	40.89	2.93	0.85	MLR
		345.56	100.00	

Peak rejection level:10000