

CERTIFICATE OF ANALYSIS

Product Name: Fmoc-L-Val-OH
CAS No.: 68858-20-8
Lot No.: A27298
Molecular Formula: $C_{20}H_{21}NO_4$
Molecular Weight: 339.4
Manufacturing Date: July 10, 2004.
Prolonged Storage: $<25\text{ }^{\circ}\text{C}$

Tests	Specifications	Results
Appearance	White to off white powder	White powder
Purity(HPLC)	$\geq 98.0\%$	99.5%
Specific Rotation $[\alpha]_D^{20}$	$-16.5^{\circ} \pm 2.0^{\circ}$ (C=5% in $CHCl_3$)	-17.7°
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-L-Val-OH

Vial Number: 18

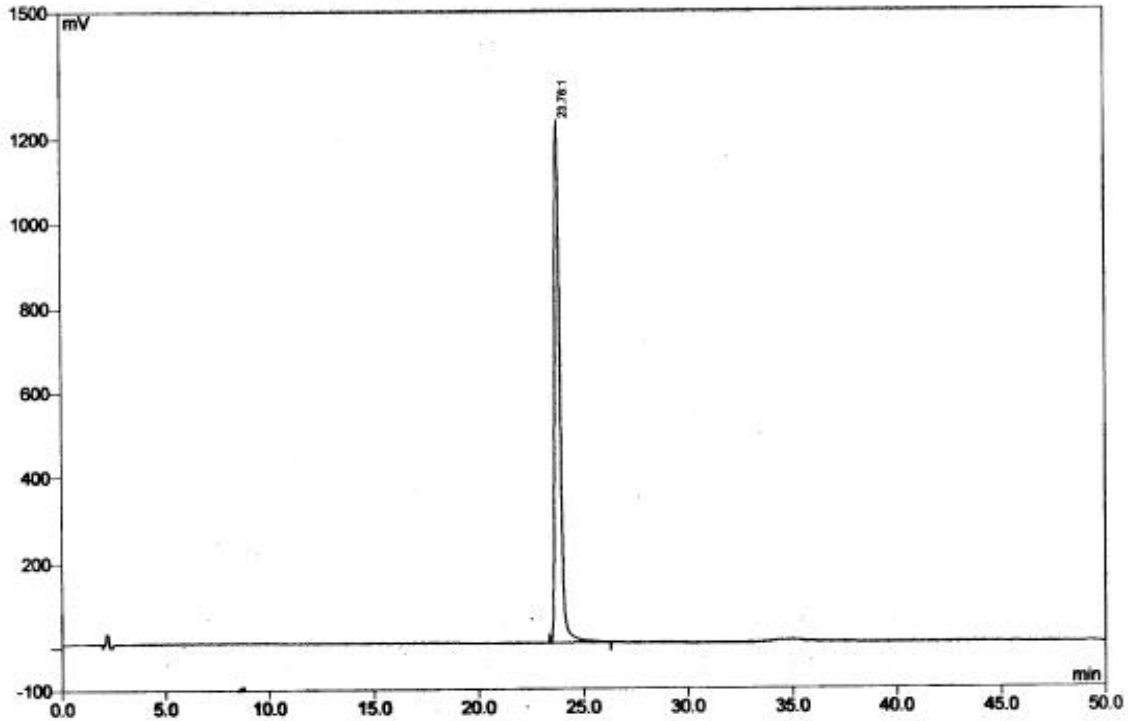
Sample Description: 04-12-1039 A27298,

Application: Fmoc0112

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	23.78	382.24	100.00	MLR
		382.24	100.00	

Peak rejection level:10000