

CERTIFICATE OF ANALYSIS

Product Name: Fmoc-D-Phe-OH
CAS No.: 86123-10-6
Lot No.: A25841
Molecular Formula: $C_{24}H_{21}NO_4$
Molecular Weight: 387.4
Manufacturing Date: July 10, 2004.
Prolonged Storage: $<25^{\circ}C$

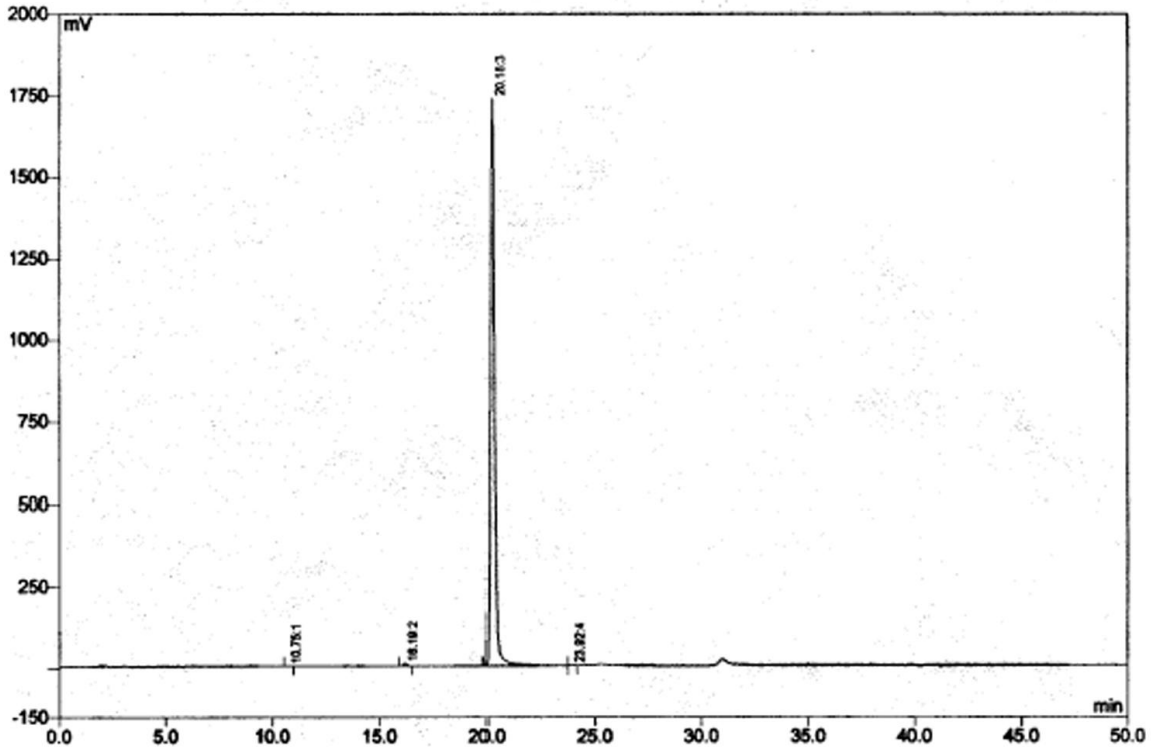
Tests	Specifications	Results
Appearance	White to off white powder	White powder
Purity(HPLC)	$\geq 98\%$	99.5%
Specific Rotation $[a]_D^{20}$	$38.0^{\circ} \pm 2.5^{\circ}$ (C=1% in DMF)	38.4°
Optical Purity	$<1.0\%$ L-enantiomer	$<0.1\%$
TLC	Purity $\geq 98\%$	$>99\%$
Solubility	1 mmole in 2 ml DMF clearly soluble	Clear solution

Quality control (seal):

Sample Name: Fmoc-D-Phe-OH
Sample Description: 04-13-1030 A25841,
1mg/ml MeOH

Analyzed: 04.06.04 13:30
Processed: 04.06.04 14:18
Reported: 04.06.04 14:18

Vial Number: 06
Application: Fmoc0102



Acquisition Method: Fmoc
 Processing Method: Fmoc
 Column Type: MNucleosil 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 MAbs mim
1	10.75	MLR	0.07	1.54
2	16.19	MLR	0.40	8.71
3	20.18	ML	99.45	1735.94
4	23.92	MR	0.08	1.75
			100,00	1747.95

Peak rejection level:10000