

Analytical Data

Code: 3225-v

Compound: MOCac-Gly-Ser-Pro-Ala-Phe-Leu-Ala-Lys(Dnp)-D-Arg-NH₂
[Trifluoroacetate Form]

(M. W. 1327.40) C₆₁ H₈₂ N₁₆ O₁₈

Appearance : Yellow amorphous powder

*** Specific Optical Rotation**

$[\alpha]_D^{20}$ -40.5 ° (c* 0.43, DMSO)

* c value was calculated from the net peptide weight.

*** Elemental Analysis**

Found C, 49.47 ; H, 5.79 ; N, 14.39 %

*** Amino Acid Analysis**

Acid Hydrolysis: 6N HCl, 110°C, 22h.

Ser (1)0.91	Pro (1)1.02	Gly (1)1.00	Ala (2)2.01
Leu (1)1.02	Phe (1)1.00	Arg (1)1.00	NH ₃ (1)1.16

Thin Layer Chromatography : Single spot

Layer : Silica Gel 60(Merck)

Application : 100 μg

Solvent System : n-BuOH:AcOH:H₂O:pyridine=15:3:12:10

n-BuOH:AcOH:H₂O=4:1:5 (upper phase)

Located by iodine and HBr/ninhydrin reagent

Sample : 3225-v MOCac-Gly-Ser-Pro-Ala-Phe-Leu-Ala-Lys(Dnp)-D-Arg-NH2
Sample Size : 0.4 μ L (1.1 mg/ 110 μ L- DMSO)
Column : YMC Pack ODS-A (4.6 mm I.D. \times 150 mm) #0415227557(W) + G(4 \times 10mm)
Eluent : 10 mM K-Pi(pH 2.6) + 50 mM Na2SO4
Gradient : Acetonitrile 20% to 60% [25 min.]
Flow Rate : 1.0 mL/min. , ; Press. : 115 kg/cm2 , ; Temp. : 25 $^{\circ}$ C
Detection : CH.1 210 nm

