

Analytical Data

Code: 3226-v

Compound: MOCAC-Lys-Pro-Leu-Gly-Leu-A₂pr(Dnp)-Ala-Arg-NH₂
(Trifluoroacetate Form)

(M. W. 1221.32) C₅₅ H₈₀ N₁₆ O₁₆

Appearance : Yellow amorphous powder

*** Specific Optical Rotation**

$[\alpha]_D^{20}$ -72.3 ° (c* 0.82, H₂O)

* c value was calculated from the net peptide weight.

*** Elemental Analysis**

Found C, 46.56 ; H, 5.67 ; N, 14.53 %

*** Amino Acid Analysis**

Acid Hydrolysis: 6N HCl, 110°C, 22h.

Pro (1)1.00	Gly (1)0.99	Ala (1)1.00	Leu (2)2.02
Lys (1)1.00	NH ₃ (1)1.24	Arg (1)1.00	

Thin Layer Chromatography : Single spot

Layer : Silica Gel 60 (Merck)

Application : 100 μg

Solvent System : n-BuOH:AcOH:H₂O=4:1:5 (upper phase)

Located by iodine and ninhydrin reagent

Sample : 3226-v MOCAc-Lys-Pro-Leu-Gly-Leu-A2pr(Dnp)-Ala-Arg-NH2
Sample Size : 0.2 μ L (1.1 mg/ 55 μ L-H2O)
Column : YMC Pack ODS-A (4.6 mm I.D. \times 150 mm) #0415227747 + G (4 \times 10 mm)
Eluent : 0.1% TFA
Gradient : Acetonitrile 20% to 60% [25 min.]
Flow Rate : 1.0 mL/min. , ; Press. : 11.2 MPa , ; Temp. : 25°C
Detection : CH. 1 220 nm

