

Analytical Data

Code: 3163-v

Compound: MOCac-Pro-Leu-Gly-Leu-A₂pr(Dnp)-Ala-Arg-NH₂

(M. W. 1093.15) C₄₉ H₆₈ N₁₄ O₁₅

Appearance : Yellow amorphous powder

*** Specific Optical Rotation**

$[\alpha]_D^{20}$ -23.0 ° (c* 0.27, DMSO)

* c value was calculated from the net peptide weight.

*** Elemental Analysis**

Found C, 51.21 ; H, 6.35 ; N, 15.98 %

*** Amino Acid Analysis**

Acid Hydrolysis: 6N HCl, 110°C, 22h.

Pro (1)1.00 Gly (1)1.01 Ala (1)1.01 Leu (2)2.05

Arg (1)1.00

Thin Layer Chromatography : Single spot

Layer : Silica Gel 60(Merck)

Application : 100 μg

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

Located by iodine and ninhydrin reagent

Sample : 3163-v MOCac-Pro-Leu-Gly-Leu-A2pr (Dnp)-Ala-Arg-NH2
Sample Size : 1.2 μ L (1 mg/ 100 μ L- AcOH)
Column : YMC Pack ODS-A (4.6 mm I.D. \times 150 mm) #0415227556(W) + G(4x10 mm)
Eluent : 10mM K-Pi (pH 2.6) + 50mM Na2SO4
Gradient : Acetonitrile 30% to 60% [25 min.]
Flow Rate : 1.0 mL/min. , ; Press. : 110 kg/cm2 , ; Temp. : 25°C
Detection : CH.1 210 nm

