

Analytical Data

Code: 3073-v

Compound: DNP-Pro-Leu-Gly-Ile-Ala-Gly-Arg-NH₂

(M. W. 847.92) C₃₆ H₅₇ N₁₃ O₁₁

Appearance : Yellow amorphous powder

*** Specific Optical Rotation**

$[\alpha]_D^{20}$ -219.6° (c* 0.44, DMF)

* c value was calculated from the net peptide weight.

*** Elemental Analysis**

Found C, 46.34 ; H, 6.95 ; N, 18.55 %

*** Amino Acid Analysis**

Acid Hydrolysis: 6N HCl, 110°C, 22h.

Pro (1)0.85	Gly (2)1.98	Ala (1)0.99	Ile (1)0.98
Leu (1)0.98	NH ₃ (1)1.03	Arg (1)1.00	

Thin Layer Chromatography : Single spot

Layer : Silica Gel 60 (Merck)

Application : 100 μg

Solvent System : n-BuOH:AcOH:H₂O=4:1:1

Located by iodine and ninhydrin reagent

Sample : 3073-v Dnp-PLGIAGR-NH2
Sample Size : 0.3 μ L (1.10 mg/ 55 μ L- 80% AcOH)
Column : YMC Pack ODS-A (4.6 mm I.D. $\times$ 150 mm) #0415227557(W) + G(4 $\times$ 10 mm)
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. : 114 kg/cm2 , ; Temp. : 25°C
Detection : CH.1 210 nm

