

Analytical Data

Code: 3176-v

Compound: Z-Leu-Arg-Gly-Gly-MCA(Acetate Form)

(M. W. 692.76) C₃₄ H₄₄ N₈ O₈

Appearance : White amorphous powder

*** Specific Optical Rotation**

$[\alpha]_D^{20}$ -30.7 ° (c* 0.96, DMF)

* c value was calculated from the net peptide weight.

*** Elemental Analysis**

Found C, 55.38 ; H, 6.53 ; N, 14.18 %

*** Amino Acid Analysis**

Acid Hydrolysis: 6N HCl with phenol, 110°C, 22h.

Gly (2) 2.00 Leu (1) 1.00 Arg (1) 1.01

Thin Layer Chromatography : Single spot

Layer : Silica Gel 60

Application : 100 μg

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

Located by Iodine and HBr/ninhydrin reagent

Sample : 3176-v Z-Leu-Arg-Gly-Gly-MCA
Sample Size : 0.4 μ L (0.53 mg/ 106 μ L-50% AcOH)
Column : YMC-Pack ODS-A (4.6 mm I.D. \times 150 mm) #0415227557 + 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. : 117 kg/cm2 , ; Temp. : 25°C
Detection : CH.1 210 nm

