

Analytical Data

Code: 3209-v

Compound: Z-Ala-Ala-Asn-MCA

(M. W. 565.57) $C_{28}H_{31}N_5O_8$

Appearance : White amorphous powder

*** Specific Optical Rotation**

$[\alpha]_D^{16}$ -12.7 ° (c* 0.96, DMF)

* c value was calculated from the net peptide weight.

*** Elemental Analysis**

Found C, 58.84 ; H, 5.76 ; N, 11.61 %

*** Amino Acid Analysis**

Acid Hydrolysis: 6N HCl, 110°C, 22h.

Asp (1)1.00 Ala (2)2.07 NH₃ (1)1.00

Thin Layer Chromatography : Single spot

Layer : Silica Gel 60(Merck)

Application : 100 μg

Solvent System : CHCl₃ : MeOH : AcOH = 85 : 15 : 5

CHCl₃ : MeOH : AcOH : H₂O = 10 : 10 : 1 : 10 (lower phase)

Located by iodine and HBr/ninhydrin reagent

Sample : 3209-v Z-Ala-Ala-Asn-MCA
Sample Size : 0.2 μ L (0.72 mg/ 72 μ L- DMF)
Column : YMC Pack ODS-A (4.6 mm I.D. \times 150mm) #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. : 117 kg/cm2, ; Temp. : 25°C
Detection : CH.1 210 nm

