

Analytical Data

Code: 3198-v

Compound: Ac-Leu-Glu-His-Asp-MCA

(M. W. 711.72) $C_{33}H_{41}N_7O_{11}$

Appearance : White amorphous powder

*** Specific Optical Rotation**

$[\alpha]_D^{20}$ -90.1° (c* 0.98, 10 % AcOH)

* c value was calculated from the net peptide weight.

*** Elemental Analysis**

Found C, 54.27 ; H, 5.85 ; N, 13.40 %

*** Amino Acid Analysis**

Acid Hydrolysis: 6N HCl, 110°C, 22h.

Asp (1)1.00 Glu (1)0.99 Leu (1)1.00 His (1)0.99

Thin Layer Chromatography : Single spot

Layer : Silica Gel 60 (Merck)

Application : 100 μ g

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

CHCl₃:MeOH:AcOH:H₂O=65:40:1:10

Located by Iodine, HBr/ninhydrin and Pauly reagent

Sample : 3198-v Ac-Leu-Glu-His-Asp-MCA
Sample Size : 1.0 μ L (0.60 mg/ 300 μ L -20% AcOH)
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 10% to 60% [25 min.]
Flow Rate : 1.0 mL/min. , ; Press. : 114 kg/cm² , ; Temp. : 25°C
Detection : CH.1 210 nm

