

Analytical Data

Code: 3120-v

Compound: Suc-Leu-Leu-Val-Tyr-MCA

(M. W. 763.88) $C_{40}H_{53}N_5O_{10}$

Appearance : White amorphous powder

*** Specific Optical Rotation**

$[\alpha]_D^{20}$ -4.5 ° (c* 0.59, DMF)

* c value was calculated from the net peptide weight.

*** Elemental Analysis**

Found C, 60.57 ; H, 7.16 ; N, 8.89 %

*** Amino Acid Analysis**

Acid Hydrolysis: 12N HCl:AcOH=1:1, 110°C, 24h.

Val (1)1.00 Leu (2)2.02 Tyr (1)0.88

Thin Layer Chromatography : Single spot

Layer : Silica Gel 60 (Merck)

Application : 50 μ g

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

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

Located by ninhydrin and Pauly reagent

Sample : 3120-v Suc-Leu-Leu-Val-Tyr-MCA
Sample Size : 0.6 μ L (0.60 mg/ 120 μ L-DMSO)
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 30 % to 60 % [25 min.]
Flow Rate : 1.0 mL/min. , ; Press. : 115 kg/cm² , ; Temp. : 25 $^{\circ}$ C
Detection : CH. 1 210 nm

