

Analytical Data

Code: 3236-v

Compound: Met-Leu-MCA (Trifluoroacetate Form)

(M. W. 419.54) $C_{21}H_{29}N_3O_4S$

Appearance : Pale yellow powder

*** Specific Optical Rotation**

$[\alpha]_D^{20}$ -18.8 ° (c* 0.74, AcOH)

* c value was calculated from the net peptide weight.

*** Elemental Analysis**

Found C, 50.79 ; H, 5.58 ; N, 7.88 %

*** Amino Acid Analysis**

Acid Hydrolysis: 6N HCl, 110°C, 22h.

Met (1)0.99 Leu (1)1.00

Thin Layer Chromatography : Single spot

Layer : Silica Gel 60

Application : 100 μ g

Solvent System : n-BuOH:AcOH:H₂O:pyridine=15:3:12:10

Located by ninhydrin reagent

Sample : 3236-v Met-Leu-MCA
Sample Size : 0.6 μ L (0.75 mg/ 375 μ L- AcOH)
Column : YMC Pack ODS-A (4.6 mm I.D. \times 150mm) #0415227556 + G(4 \times 10 mm)
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. : 109 kg/cm2 , ; Temp. : 25°C
Detection : CH.1 210 nm

