

Analytical Data

Code: 3108-v

Compound: Suc-Gly-Pro-Leu-Gly-Pro-MCA

(M. W. 696.75) C₃₄H₄₄N₆O₁₀

Appearance : White amorphous powder

*** Specific Optical Rotation**

$[\alpha]_D^{20}$ -146.7° (c* 1.03, DMF)

* c value was calculated from the net peptide weight.

*** Elemental Analysis**

Found C, 56.17 ; H, 6.58 ; N, 11.46 %

*** Amino Acid Analysis**

Acid Hydrolysis: 6N HCl, 110°C, 22h.

Pro (2)2.00 Gly (2)1.99 Leu (1)1.00

Thin Layer Chromatography : Single spot

Layer : Silica Gel 60 (Merck)

Application : 50 μg

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

n-BuOH:AcOH:H₂O=4:1:5 (upper phase)

Located by Iodine and HBr/ninhydrin reagent

Sample : 3108-v Suc-Gly-Pro-Leu-Gly-Pro-MCA
Sample Size : 1.0 μ L (0.51 mg/ 153 μ L-MeOH)
Column : YMC Pack ODS-A (4.6 mm I.D. \times 150 mm) #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. : 112 kg/cm² , ; Temp. : 25°C
Detection : CH.1 210 nm

