

Analytical Data

Code: 3039

Compound: Z-Gly-Pro-Leu
(M. W. 419.47)

Appearance : White crystalline powder

Melting Point : 205 ~ 207 °C

Specific Optical Rotation

$[\alpha]_D^{24}$ -56.9 ° (c 0.6, DMF)

Elemental Analysis

Calcd. for C₂₁H₂₉N₃O₆

C, 60.13 ; H, 6.97 ; N, 10.02 %

Found C, 59.93 ; H, 7.13 ; N, 9.90 %

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 HBr/ninhydrin reagent

Sample : 3039 Z-Gly-Pro-Leu
Sample Size : 0.3 μ L (2.30 mg/ 95 μ L-DMF + 20 μ L-MeOH)
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 20% to 60% [25 min.]
Flow Rate : 1.0 mL/min. , ; Press. : 118 kg/cm2 , ; Temp. : 25 $^{\circ}$ C
Detection : CH.1 210 nm

