

Analytical Data

Code: 3023

Compound: Gly-Phe-NH₂

(M. W. 221.26) C₁₁H₁₅N₃O₂

Appearance : White powder

Specific Optical Rotation

$[\alpha]_D^{20}$ +26.5 ° (c 1.51, H₂O)

Elemental Analysis

Found C, 54.96 ; H, 6.70 ; N, 14.51 %

Thin Layer Chromatography : Single spot

Layer : Silica Gel 60

Application : 100 μg

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

n-BuOH:AcOH:H₂O=4:1:5 (upper phase)

Located by ninhydrin reagent

Sample : 3023 Gly-Phe-NH₂
Sample Size : 0.4 μ L (1.66 mg/ 166 μ L- H₂O)
Column : YMC Pack ODS-A (4.6 mm I.D. \times 150 mm) #0415227557(W) + G(4 x 10mm)
Eluent : 10 mM K-Pi (pH 2.6) + 50 mM Na₂SO₄
Gradient : Acetonitrile 1% to 40% [25 min.]
Flow Rate : 1.0 mL/min. , ; Press. : 106 kg/cm² , ; Temp. : 25°C
Detection : CH.1 210 nm

