

Analytical Data

Code: 3047

Compound: Bz-Gly-Lys

(M. W. 307.34) $C_{15}H_{21}N_3O_4$

Appearance : White powder

Melting Point : 234 ~ 236 °C

Specific Optical Rotation

$[\alpha]_D^{18}$ -4.5 ° (c 2.0, H₂O)

Elemental Analysis

Calcd. for $C_{15}H_{21}N_3O_4$

C, 58.62 ; H, 6.89 ; N, 13.67 %

Found C, 58.70 ; H, 6.99 ; N, 13.67 %

Thin Layer Chromatography : Single spot

Layer : Silica Gel 60 (Merck)

Application : 100 μg

Solvent System : n-BuOH:AcOH:H₂O=4:1:5 (upper phase)

n-BuOH:AcOH:H₂O:pyridine=15:3:12:10

Located by iodine and ninhydrin reagent

Sample : 3047 Bz-Gly-Lys
Sample Size : 0.2 μ L (2.29 mg/ 114.5 μ L-H₂O)
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 1% to 60% [25 min.]
Flow Rate : 1.0 mL/min. , ; Press. : 107 kg/cm², ; Temp. : 25°C
Detection : CH.1 210 nm

