

Analytical Data

Code: 3058

Compound: Ac-Gly-Lys-OMe · AcOH

(M. W. 259.30 · 60.05) $C_{11}H_{21}N_3O_4$

Appearance : White powder

Melting Point : 138 ~ 139 °C

Specific Optical Rotation

$[\alpha]_D^{17}$ -18.5 ° (c 2.0, MeOH)

Elemental Analysis

Calcd. for $C_{11}H_{21}N_3O_4 \cdot 1AcOH$

C, 48.89 ; H, 7.89 ; N, 13.16 %

Found C, 48.98 ; H, 7.79 ; N, 13.10 %

Thin Layer Chromatography : Main spot with a trace 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 iodine and ninhydrin reagent

Sample : 3058 Ac-Gly-Lys-OMe · AcOH [AGLME]
Sample Size : 2.5 μ L (1.99 mg/ 199 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 1% to 60% [25 min.]
Flow Rate : 1.0 mL/min. , ; Press. : 105 kg/cm2, ; Temp. : 25°C
Detection : CH.1 210 nm

