

Analytical Data

Code: 3147-v

Compound: Ala-MCA (Tosylate Form)

(M. W. 246.26) $C_{13}H_{14}N_2O_3$

Appearance : White amorphous powder or colorless jelly-like solid

* **Specific Optical Rotation**

$[\alpha]_D^{26} -5.6^\circ$ (c 2.7, AcOH)

* **Elemental Analysis**

Found C, 55.7 ; H, 5.52 ; N, 6.29 %

Thin Layer Chromatography : Single spot

Layer : Silica Gel 60 (Merck)

Application : 100 μ g

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

Located by ninhydrin

Sample : 3147-v Ala-MCA
Sample Size : 0.8 μ L (0.83 mg/ 415 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 $^{\circ}$ C
Detection : CH.1 210 nm

