

Analytical Data

Code: 3148-v

Compound: Phe-MCA (Tosylate Form)

(M. W. 322.36) $C_{19}H_{18}N_2O_3$

Appearance : White amorphous powder

* **Specific Optical Rotation**

$[\alpha]_D^{20}$ +91.7 ° (c 1.1, AcOH)

* **Elemental Analysis**

Found C, 63.07 ; H, 5.37 ; N, 5.67 %

Thin Layer Chromatography : Single spot

Layer : Silica Gel 60 (Merck)

Application : 100 μ g

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

CHCl₃:MeOH:AcOH=85:15:5

Located by ninhydrin reagent

Sample : 3148-v Phe-MCA (Tosylate Form)
Sample Size : 0.6 μ L (1.14 mg/ 570 μ L- MeOH)
Column : YMC Pack ODS-A (4.6 mm I.D. \times 150mm) #0415227556(W) + 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. : 110 kg/cm2, ; Temp. : 25 $^{\circ}$ C
Detection : CH.1 210 nm

