

Analytical Data

Code: 3144-v

Compound: Boc-Ala-Gly-Pro-Arg-MCA

(M. W. 656.73) $C_{31}H_{44}N_8O_8$

Appearance : White amorphous powder

* **Specific Optical Rotation**

$[\alpha]_D^{17}$ -105.5° (c* 1.03, 50% AcOH)

* c value was calculated from the net peptide weight.

* **Elemental Analysis**

Found C, 54.00 ; H, 6.98 ; N, 15.02 %

* **Amino Acid Analysis**

Acid Hydrolysis: 6N HCl:AcOH:12N HCl=2:1:1, 110°C, 22h.

Gly (1)1.00 Ala (1)1.00 Pro (1)1.01 Arg (1)0.99

Thin Layer Chromatography : Single spot

Layer : Silica Gel 60 (Merck)

Application : 100 μ g

Solvent System : n-BuOH:AcOH:H₂O=4:1:1

CHCl₃:MeOH:AcOH=85:25:2

Located by iodine and ninhydrin reagent

Sample : 3144-v Boc-Ala-Gly-Pro-Arg-MCA
Sample Size : 1.0 μ L (5.3 mg/ 2120 μ L-MeOH)
Column : YMC Pack ODS-A (4.6 mm I.D. \times 150mm) #0415227557(W) + G(4 \times 10mm)
Eluent : 10 mM K-Pi (pH 2.6) + 50 mM Na₂SO₄
Gradient : Acetonitrile 20% to 60% [25 min.]
Flow Rate : 1.0 mL/min. , ; Press. : 117 kg/cm², ; Temp. : 25°C
Detection : CH.1 210 nm

