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Analytical Data

Code: **3002**

Compound: Bz-Arg-NH_2・HCl・H_2O

(M.W. 277.32・36.46・18.02) $C_{13}H_{19}N_5O_2$・HCl・H_2O

Appearance : White powder

Melting Point : 120 ～ 130 ℃ (dec.)

Specific Optical Rotation

$[\alpha]_D^{20}$ +5.5 ° (c 2.91, H20)

Thin Layer Chromatography : Single spot

Layer : Silica Gel 60

Application : 100μg

Solvent System : n-BuOH:AcOH:H_2O:pyridine=15:3:12:10

n-BuOH:AcOH:H_2O=4:1:5(upper phase)

Located by iodine and HBr/ninhydrin reagent

Sample : 3002 Bz-Arg-NH2・HCl・H2O
Sample Size : 0.4 μL (0.76 mg/ 76 μL-H2O)
Column : YMC Pack ODS-A (4.6 mm I.D. × 150 mm) #0415227557 + G(4 × 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. : 108 kg/cm2 , ;Temp. : 25℃
Detection : CH.1 210 nm