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Analytical Data

Code: **3057**

Compound: Bz-Arg-pNA・HCl [L-BAPA]
(M.W. 398.42・36.46)

Appearance : Pale yellow crystalline powder

Melting Point : 225 ～ 227 ℃

Specific Optical Rotation

$[\alpha]_D^{20}$ +45.71° (c 1, DMF)

Elemental Analysis

Calcd. for $C_{19}H_{22}N_6O_4 \cdot HCl$
C, 52.48 ; H, 5.33 ; N, 19.33 %
Found C, 52.31 ; H, 5.35 ; N, 19.21 %

Thin Layer Chromatography : Single spot
Layer : Silica Gel 60(Merck)
Application : 100μg
Solvent System : n-BuOH:AcOH:H_2O=4:1:5(upper phase)
$CHCl_3$:MeOH:AcOH=85:15:5
Located by iodine and HBr/ninhydrin reagent

Sample : 3057 Bz-L-Arg-pNA・HCl
Sample Size : 1.0 μL (1.19 mg/ 595 μL-MeOH)
Column : YMC Pack ODS-A (4.6 mm I.D. × 150 mm) #0415227557 + G(4×10 mm)
Eluent : 10mM K-Pi (pH 2.6) + 50mM Na2SO4
Gradient : Acetonitrile 10% to 60% [25 min.]
Flow Rate : 1.0 mL/min. , ;Press. : 113 kg/cm2 , ;Temp. : 25 ℃
Detection : CH.1 210 nm