

Analytical Data

Code: 3057

Compound: Bz-L-Arg-pNA • HCl [L-BAPA]

(M. W. 398.42 • 36.46)

Appearance : Pale yellow crystalline powder

Melting Point : 225 ~ 227 °C

Specific Optical Rotation

$[\alpha]_D^{20}$ +47.5 ° (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, 52.42 ; H, 5.38 ; N, 19.27 %

Thin Layer Chromatography : Single spot

Layer : Silica Gel 60

Application : 100 μ g

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

CHCl₃:MeOH:AcOH=85:15:5

Located by HBr/ninhydrin reagent

Sample : 3057 Bz-L-Arg-pNA • HCl
Sample Size : 1.0 μ L (0.63 mg/ 315 μ L-MeOH)
Column : YMC-Pack ODS-A (4.6 mm I.D. $\times$ 150 mm) #117HB20222 + G(4 $\times$ 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. : 109 kg/cm2 , ; Temp. : 25°C
Detection : CH.1 210 nm

