

Analytical Data

Code: 3127

Compound: Z-Ala-Ala-Leu-pNA
(M. W. 527.57)

Appearance : Pale yellow amorphous powder

Melting Point : 213 °C

Specific Optical Rotation

$[\alpha]_D^{20}$ -10.1 ° (c 1.04, DMF)

Elemental Analysis

Calcd. for $C_{26}H_{33}N_5O_7$

C, 59.19 ; H, 6.30 ; N, 13.27 %

Found C, 59.00 ; H, 6.32 ; N, 13.13 %

Thin Layer Chromatography : Single spot

Layer : Silica Gel 60 (Merck)

Application : 100 μ g

Solvent System : $CHCl_3$:MeOH:AcOH=95:5:3

$CHCl_3$:MeOH:AcOH:H₂O=10:10:1:10 (lower phase)

Located by iodine and HBr/ninhydrin reagent

Sample : 3127 Z-Ala-Ala-Leu-pNA
Sample Size : 0.5 μ L (1.52 mg/ 152 μ L-DMSO)
Column : YMC-Pack ODS-A (4.6 mmI.D. $\times$ 150 mm) #0415227557 + G (4 $\times$ 10 mm)
Eluent : 10mM K-Pi (pH 2.6) + 50mM Na₂SO₄
Gradient : Acetonitrile 30% to 60% [25 min.]
Flow Rate : 1.0 mL/min. , ; Press. : 114 kg/cm² , ; Temp. : 25 $^{\circ}$ C
Detection : CH. 1 210 nm

