

Analytical Data

Code: 3219-v

Compound: (3,5-Difluorophenylacetyl)-Ala-Phg-OBu^t
(M. W. 432.46)

Appearance : White amorphous powder

* **Melting Point** : 146 ~ 147 °C

* **Specific Optical Rotation**

$$[\alpha]_D^{20} +43.7^\circ \quad (c \ 1.1, \text{AcOH})$$

* **Elemental Analysis**

Calcd. for C₂₃H₂₆N₂O₄F₂

C, 63.88 ; H, 6.06 ; N, 6.48 %

Found C, 63.89 ; H, 6.07 ; N, 6.24 %

* **Amino Acid Analysis**

Acid Hydrolysis: 6N HCl with phenol, 110°C, 24h.

Phenylglycine(1)1.02 Ala (1)1.00

Thin Layer Chromatography : Single spot

Layer : Silica Gel 60(Merck)

Application : 100 μg

Solvent System : CHCl₃ : MeOH : AcOH = 95 : 5 : 3

CHCl₃ : MeOH : AcOH : H₂O = 10 : 10 : 1 : 10 (lower phase)

Located by HBr/ninhydrin reagent

Sample : 3219-v (3, 5-Difluorophenylacetyl)-Ala-Phg-0But
Sample Size : 0.4 μ L (1.66 mg/166 μ L-MeOH)
Column : YMC-Pack ODS-A (4.6 mm I.D. \times 150 mm) #0415227748 + G(4 \times 10 mm)
Eluent : 0.1% TFA
Gradient : Acetonitrile 30% to 80% [25 min.]
Flow Rate : 1.0 mL/min. ; Press. : 11 MPa ; Temp. : 25°C
Detection : CH.1 220 nm

