

Analytical Data

Code: 2602

Compound: Boc-D-Trp

(M. W. 304.34) $C_{16}H_{20}N_2O_4$

Melting Point : 134 ~ 135 °C (dec.)

Specific Optical Rotation

$[\alpha]_D^{21}$ +21.1 ° (c 2.01, AcOH)

Thin Layer Chromatography : Single spot

Layer : Silica Gel 60 (Merck)

Application : 200 μ g

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

$CHCl_3$: MeOH : AcOH : H_2O = 10 : 10 : 1 : 10 (lower phase)

Detection : ninhydrin reagent

Enantiomer Content : 0.01 %

sec-Boc Form Content : less than 0.01 %

Sample : 2602 Boc-D-Trp
Sample Size : 0.6 μ L (0.85 mg/850 μ L-MeOH)
Column : YMC-Pack ODS-A (4.6 mm I.D. $\times$ 150 mm) #0415227747 + G(4 $\times$ 10 mm)
Eluent : 0.1% TFA
Gradient : Acetonitrile 20% to 60% [25 min.]
Flow Rate : 1.0 mL/min. ; Press. : 11 MPa ; Temp. : 25°C
Detection : CH.1 220 nm

