

Analytical Data

Code: 2060

Compound: Boc-Asn

(M. W. 232.23) $C_9H_{16}N_2O_5$

Melting Point : 172 °C (dec.)

Specific Optical Rotation

$[\alpha]_D^{20}$ -8.0 ° (c 2.0, DMF)

Thin Layer Chromatography : Single spot

Layer : Silica Gel 60 (Merck)

Application : 200 μ g

Solvent System : $CHCl_3$:MeOH:AcOH=85:15:5

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

Detection : ninhydrin reagent

Enantiomer Content : less than 0.01 %

sec-Boc Form Content : 0.02 %

Sample : 2060 Boc-Asn
Sample Size : 3.0 μ L (1.74 mg/ 87 μ L-MeOH)
Column : YMC Pack ODS-A (4.6 mm I.D. $\times$ 150 mm) #0415164134(W) + G (4 $\times$ 10mm)
Eluent : 0.1 % TFA
Gradient : Acetonitrile 1% to 60% [25 min.]
Flow Rate : 1.0 mL/min. , ; Press. : 104 kg/cm² , ; Temp. : 25°C
Detection : CH. 1 220 nm

