

Analytical Data

Code: 2403

Compound: Fmoc-D-Asn

(M. W. 354.36) $C_{19}H_{18}N_2O_5$

Melting Point : 184 °C

Specific Optical Rotation

$[\alpha]_D^{23}$ +12.8 ° (c 1, DMF)

Thin Layer Chromatography : Single spot

Layer : Silica Gel 60 (Merck)

Application : 100 μ g

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

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

Detection : HBr/ninhydrin reagent

Enantiomer Content : less than 0.01 %

Sample : Fmoc-D-Asn
Sample Size : 2.0 μ L (0.94 mg/940 μ L-MeOH)
Column : XBridge C18 3.5 μ m (4.6 mm I.D. $\times$ 150 mm) #01663415523834
Eluent : 0.1% TFA
Gradient : Acetonitrile 20% to 60% [25 min.]
Flow Rate : 1.0 mL/min. , ; Press. : 22.1 MPa , ; Temp. : 25°C
Detection : CH.1 220 nm

