

Analytical Data

Code: 2307

Compound: Fmoc-Gln

(M. W. 368.38) $C_{20}H_{20}N_2O_5$

Melting Point : 211 °C (dec.)

Specific Optical Rotation

$[\alpha]_D^{20}$ -18.9 ° (c 1, 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 : HBr/ninhydrin reagent

Enantiomer Content : less than 0.01 %

Sample : Fmoc-Gln
Sample Size : 0.6 μ L (1.41 mg/423 μ L-DMF)
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

