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Certificate of Analysis

Catalogue Number 02411
Lot Number 000424-150515-36301
Product ***N*^α-Fmoc- *N*^δ-trityl-L-glutamine**

Fmoc-L-Gln(Trt)-OH

CAS Number 132327-80-1
Molecular Formula C₃₉H₃₄N₂O₅
Molecular Weight 610.7

Appearance White powder
Solubility Clear solution (0.3 g in 2 ml DMF)
Melting Point 120.3-159.3 °C
Water Content (Karl Fisher) 0.93%
Kaiser Test < 5%
Optical Rotation [α]_D²⁰ = -14.8° (C=1, DMF)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to standard
Loss on Drying 0.52% (50°C, 2 hours)
¹H NMR Conforms to structure
D-Enantiomer Not detectable
Purity by HPLC 98.53%
Purity by TLC > 98%
Storage Store at 0-8 °C

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager