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Certificate of Analysis

Catalogue Number 02458
Lot Number 000424-171129-36201
Product **Fmoc-L-threonine**

Fmoc-L-Thr-OH

CAS Number 73731-37-0
Molecular Formula C₁₉H₁₉NO₅

Molecular Weight 341.4

Appearance White powder
Solubility Clear solution (0.3 g in 2 ml DMF)
Melting Point 92.6 - 98.3 °C
Elemental Analysis (Found) < 5% (C, H, N)
Water Content (Karl Fisher) 4.31%
Optical Rotation [α]_D²⁰ = -15.6° (C=1 in DMF)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to standard
Loss on Drying 0.12% (40°C, 2h)
¹H NMR Conforms to structure
Chiral HPLC 99.98% (ee)
D-Enantiomer 0.0190%
Purity by HPLC 99.16%
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