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Certificate of Analysis

Catalogue Number 03743
Lot Number 000201-4403
Product **Fmoc-O-trityl-L-threonine**

Fmoc-L-Thr(Trt)-OH

CAS Number 133180-01-5
Molecular Formula C₃₈H₃₃NO₅

Molecular Weight 583.7

Appearance White to off-white crystalline powder
Solubility Clearly soluble (0.5 mmole in 1 mL DMF)
Melting Point 73-74 °C
Water Content (Karl Fisher) 0.19%
Kaiser Test Negative to slightly positive
TLC System Chloroform/Methanol/Acetic acid (90:8:2)
Optical Rotation [α]_D²⁰ = -26.6° (C=1, in EtOAc)
Infrared Spectrum Conforms to reference
Residual Solvents Dioxane, Hexanes
Assay 85.8%
D-Enantiomer < 0.1%
Purity by HPLC 99.8%
Purity by TLC 98.5%
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