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Certificate of Analysis

Catalogue Number 02465
Product **Fmoc-O-tert-butyl-D-tyrosine**

Lot Number 000424-130706-36906
Fmoc-D-Tyr(tBu)-OH

CAS Number 118488-18-9
Molecular Formula C₂₈H₂₉NO₅

Molecular Weight 459.5

Appearance White powder

Solubility

Clear solution (0.3 g in 2 ml DMF)

a) Visual Inspection: Clear solution, no notable particles

b) Turbidity of Solution: Report result

c) Color of Solution: Report result

Melting Point 152.1-153.7 °C

Water Content (Karl Fisher) 0.089%

Optical Rotation [α]_D²⁰ = +29.6° (C=1 in DMF)

Infrared Spectrum Conforms to structure

Analysis by Mass Spectra Conforms to structure

Loss on Drying 0.11% (75 °C for 2 hours)

¹H NMR Conforms to structure

L-Enantiomer Not detectable

Purity by HPLC 99.81%

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