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Certificate of Analysis

Catalogue Number	00495
Lot Number	000424-160824-36901
Product	Fmoc-O-tert-butyl-L-tyrosine Fmoc-L-Tyr(tBu)-OH
CAS Number	71989-38-3
Molecular Formula	C ₂₈ H ₂₉ NO ₅
Molecular Weight	459.5

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	151.2 - 152.3 °C
Water Content (Karl Fisher)	0.37%
Optical Rotation	[α] _D ²⁰ = -27.8 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.03% (70 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	100% (ee)
D-Enantiomer	Not detected
Purity by HPLC	99.73%
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