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Product Specifications

Catalogue Number	49625
Product	Fmoc-<i>O</i>-<i>tert</i>-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	145 - 162 °C
Elemental Analysis (Found)	≤ 5% (C, H and N)
Water Content (Karl Fisher)	≤ 1%
Kaiser Test	≤ 0.05%
Optical Rotation	[α] _D ²⁰ = -28.5 ± 2.5 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 1% (70 °C, 2 h)
¹H NMR	Conforms to structure
Chiral HPLC	≥ 99% (ee)
D-Enantiomer	≤ 1%
Purity by HPLC	≥ 99%
Purity by TLC	≥ 98%
Storage	Store at 0 - 8 °C

For Laboratory Use Only