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Product Specifications

Catalogue Number	49655
Product	<i>N</i>^α-Fmoc-<i>N</i>^ν-Boc-D-tryptophan Fmoc-D-Trp(Boc)-OH
CAS Number	163619-04-3
Molecular Formula	C ₃₁ H ₃₀ N ₂ O ₆
Molecular Weight	526.6

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Elemental Analysis (Theory)	C, H and N : ≤ 5%
Water Content (Karl Fisher)	≤ 2%
Kaiser Test	≤ 0.05%
Optical Rotation	[α] _D ²⁰ = +20 ± 4° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 5% (40 °C, 2 h)
¹H NMR	Conforms to structure
Chiral HPLC	≥ 99.5% (ee)
L-Enantiomer	≤ 0.5%
Purity by HPLC	≥ 99%
Purity by TLC	≥ 98%
Storage	Store at 0 - 8 °C

For Laboratory Use Only