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Product Specifications

Catalogue Number	49630
Product	<i>N</i>^α-Fmoc-<i>N</i>^γ-trityl-L-asparagine Fmoc-L-Asn(Trt)-OH
CAS Number	132388-59-1
Molecular Formula	C ₃₈ H ₃₂ N ₂ O ₅
Molecular Weight	596.7

Appearance	White to off-white powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	200 - 220 °C
Elemental Analysis (Theory)	≤ 5% (C, H and N)
Water Content (Karl Fisher)	≤ 1%
Kaiser Test	≤ 0.05%
Optical Rotation	[α] _{D20} = -14.5 ± 2 ° (C=1 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 1% (80 °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