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Product Specifications

Catalogue Number	49629
Product	Fmoc-L-alanine Fmoc-L-Ala-OH
CAS Number	35661-39-3
Molecular Formula	C ₁₈ H ₁₇ NO ₄
Molecular Weight	311.3

Appearance	White to off-white powder or crystalline powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	147 - 157 °C
Elemental Analysis (Theory)	≤ 5% (C, H and N)
Water Content (Karl Fisher)	≤ 6%
Kaiser Test	≤ 0.05%
Optical Rotation	[α] _D ²⁰ = -18 ± 2.5° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 2% (60 °C, 2 h)
¹H NMR	Conforms to structure
Chiral HPLC	≥ 99% (ee)
D-Enantiomer	≤ 1%
Purity by HPLC	≥ 98%
Purity by TLC	≥ 98%
Storage	Store at 0 - 8 °C

For Laboratory Use Only