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Product Specifications

Catalogue Number	02589
Product	Fmoc-3-(2-naphthyl)-D-alanine Fmoc-D-Ala(2-naphthyl)-OH Fmoc-(R)-2-amino-3-(naphthalen-2-yl)propanoic acid
CAS Number	138774-94-4
Molecular Formula	C ₂₈ H ₂₃ NO ₄
Molecular Weight	437.5

Appearance	White to off-white powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	160 - 170 °C
Elemental Analysis (Theory)	≤ 5% (C, H, N)
Water Content (Karl Fisher)	≤ 2%
Optical Rotation	[α] _D ²⁰ = 15 ± 3 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 2% (80 °C, 2h)
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

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For Laboratory Use Only