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Product Specifications

Catalogue Number	49637
Product	Fmoc-L-proline Fmoc-L-Pro-OH (S)-Fmoc-pyrrolidine-2-carboxylic acid
CAS Number	71989-31-6
Molecular Formula	C ₂₀ H ₁₉ NO ₄
Molecular Weight	337.4

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	100 - 118 °C
Elemental Analysis (Theory)	≤ 5% (C, H and N)
Water Content (Karl Fisher)	≤ 3%
Kaiser Test	≤ 0.05%
Optical Rotation	[α] _D ²⁰ = -32 ± 2 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 1% (50 °C, 2 h)
¹H NMR	Conforms to structure
Chiral HPLC	≥ 99.7% (ee)
D-Enantiomer	≤ 0.3%
Purity by HPLC	≥ 98%
Purity by TLC	≥ 98%
Storage	Store at 0 - 8 °C

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For Laboratory Use Only