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Product Specifications

Catalogue Number	04138
Product	Fmoc-2-fluoro-L-phenylalanine Fmoc-L-Phe(2-F)-OH Fmoc- <i>o</i> -fluoro-L-Phe-OH
CAS Number	205526-26-7
Molecular Formula	C ₂₄ H ₂₀ FNO ₄
Molecular Weight	405.4
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Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	120 - 124 °C
Water Content (Karl Fisher)	≤ 1.0%
Optical Rotation	[α] _D ²⁰ = -45 ± 2 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 2.0% (60 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	≥ 99.5% (ee)
D-Enantiomer	≤ 0.5%
Purity by HPLC	≥ 99%
Storage	Store at 0-8 °C

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For Laboratory Use Only