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Product Specifications

Catalogue Number	04143
Product	Fmoc-3-fluoro-D-phenylalanine Fmoc-D-Phe(3-F)-OH Fmoc- <i>m</i> -fluoro-D-Phe-OH
CAS Number	198545-72-1
Molecular Formula	C ₂₄ H ₂₀ FNO ₄
Molecular Weight	405.4

Appearance	White powder
Solubility	Clear solution 0.3 g in 2 mL DMF
Melting Point	150 - 160 °C
Water Content (Karl Fisher)	≤ 2%
Optical Rotation	[α] _D ²⁰ = +43.5 ± 3.5° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 2% (70 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	≥ 98%
Storage	Store at 0 - 8 °C

For Laboratory Use Only