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Certificate of Analysis

Catalogue Number	04102
Product	Fmoc-3-chloro-L-phenylalanine
Lot Number	000424-170903-20418 Fmoc-L-Phe(3-Cl)-OH Fmoc- <i>m</i> -chloro-L-Phe-OH
CAS Number	198560-44-0
Molecular Formula	C ₂₄ H ₂₀ ClNO ₄
Molecular Weight	421.9

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	107.2-109.5 °C
Water Content (Karl Fisher)	0.593% (50 °C, 2h)
Optical Rotation	[α] _D ²⁰ = -39° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
¹H NMR	Conforms to structure
Chiral HPLC	100% (ee)
D-Enantiomer	Not detectable
Purity by HPLC	99.54%
Storage	Store at 0-8 °C

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager