

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	04121
Lot Number	000424-180920-23724
Product	Fmoc-3,4-difluoro-L-phenylalanine

Fmoc-L-Phe(3,4-DiF)-OH

CAS Number	198560-43-9
Molecular Formula	C ₂₄ H ₁₉ F ₂ NO ₄

Molecular Weight	423.4
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Appearance	Off-white powder
Solubility	Clear solution (0.3g in 2mL DMF)
Melting Point	166.4 - 167.6 °C
Water Content (Karl Fisher)	0.49%
Optical Rotation	[α] ²⁰ _D = -42.3 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.10% (50 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	98.53%
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

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager