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Certificate of Analysis

Catalogue Number 02470
Lot Number 000424-120511-36001
Product **Fmoc-L-valine**

Fmoc-L-Val-OH

CAS Number 68858-20-8
Molecular Formula C₂₀H₂₁NO₄

Molecular Weight 339.4

Appearance White powder
Solubility Clear solution (0.3 g in 2 mL DMF)
Melting Point 144.0-144.8 °C
Water Content (Karl Fisher) 0.10%
Optical Rotation [α]_D²⁰ = -16.8° (C=1 in DMF)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to standard
Loss on Drying 0.24% (60 °C, 2h)
¹H NMR Conforms to structure
D-Enantiomer Not detectable
Purity by HPLC 99.57%
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