

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	02425
Lot Number	000565-50727805
Product	Fmoc-L-isoleucine Fmoc-L-Ile-OH Fmoc-(2 <i>S</i> ,3 <i>S</i>)-2-amino-3-methylpentanoic acid
CAS Number	71989-23-6
Molecular Formula	C ₂₁ H ₂₃ NO ₄
Molecular Weight	353.4

Appearance	White or off-white crystalline powder
Melting Point	148.6 °C
Water Content (Karl Fisher)	0.10%
Optical Rotation	[α] _D ²⁰ = -10.9° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Free Amino Acids	Not detected
D-Enantiomer	Not detected
Purity by HPLC	99.90%
Purity by TLC	No other major spots visible by UV and ninhydrin
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