



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number	04-1296
Lot Number	001529-502249
Product	Fmoc-D-isoleucine Fmoc-D-Ile-OH Fmoc-(2 <i>R</i> ,3 <i>R</i>)-2-amino-3-methylpentanoic acid
CAS Number	143688-83-9
Molecular Formula	C ₂₁ H ₂₃ NO ₄
Molecular Weight	353.4
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Appearance	White powder
Solubility	Clear colorless solution (5% in Methanol)
Melting Point	147-148 °C
Water Content (Karl Fisher)	< 0.1%
TLC System	Chloroform/Methanol/Acetic acid (90:8:2) Acetonitrile/Chloroform/Acetic acid (8:1:1)
Optical Rotation	[α] _D ²⁵ = +11.3 (C=1 in DMF)
Related Substances	≤ 0.1% (Fmoc-b-Ala-OH)
Purity by HPLC	99.9%
Purity by TLC	> 99%
Storage	Store at 0-8°C

Prepared by:
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