



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number	04-1365
Lot Number	000424-140520-35802
Product	Fmoc-D-proline
	Fmoc-D-Pro-OH
	(<i>R</i>)-Fmoc-pyrrolidine-2-carboxylic acid
CAS Number	101555-62-8
Molecular Formula	C ₂₀ H ₁₉ NO ₄
Molecular Weight	337.4

Appearance	White powder
Solubility	Clear solution (0.3g in 2mL DMF)
Melting Point	113.7-115.2 °C
Water Content (Karl Fisher)	2.781%
Optical Rotation	[α] _D ²⁰ = +32.0° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.78% (50 °C, 2h)
¹ H NMR	Conforms to structure
Purity by HPLC	99.80%
Chiral Purity	0.0914%
Storage	Store at 0-8 °C