



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number	04-1222
Lot Number	000424-141012-21303
Product	Fmoc-<i>O</i>-<i>tert</i>-butyl-<i>L</i>-<i>trans</i>-4-hydroxyproline Fmoc- <i>L</i> -Hyp(<i>t</i> Bu)-OH
CAS Number	122996-47-8
Molecular Formula	C ₂₄ H ₂₇ NO ₅
Molecular Weight	409.48
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Appearance	White powder
Solubility	Clear solution (0.3 g in 2 ml MeOH)
Melting Point	58.7-75.7 °C
Water Content (Karl Fisher)	1.419%
Optical Rotation	[α] _D ²⁰ = -25.8° (C=1% in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
¹ H NMR	Conforms to structure
Purity by HPLC	99.74%
Purity by TLC	> 98%
Storage	Store at 0-8 °C
Additional Information	Product is hygroscopic and can 'melt' to a block.