



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number 04-1322
Lot Number 000201-4185
Product ***N*^α-Fmoc-*N*^ε-methyltrityl-L-lysine**

Fmoc-L-Lys(Mtt)-OH

CAS Number 167393-62-6
Molecular Formula $C_{41}H_{40}N_2O_4$

Molecular Weight 624.79

Appearance	White powder
Solubility	Clearly soluble (0.5 mmole in 1 ml DMF)
Melting Point	142 142-144 °C
Water Content (Karl Fisher)	0.11%
Optical Rotation	$[\alpha]_D^{20} = +3.6^\circ$ (C=1, in THF)
Infrared Spectrum	Conforms to structure
Residual Solvents	Ethyl acetate
Free Amino Acids	< 0.1%
Assay	100%
D-Enantiomer	< 0.1%
Purity by HPLC	(265 nm) = 99.75%, (220 nm) = 99.80%
Purity by TLC	> 99%
Storage	Store at 0-8 °C