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Certificate of Analysis

Catalogue Number	05306
Lot Number	000201-3630
Product	<i>N</i>^α-Fmoc-<i>N</i>^{im}-methoxytrityl-L-histidine

Fmoc-L-His(Mmt)-OH

CAS Number	133367-33-6
Molecular Formula	C ₄₁ H ₃₅ N ₃ O ₅
Molecular Weight	649.7

Appearance	Off-white crystals
Solubility	Clearly soluble (0.5 mmole in 1 ml DMF)
Melting Point	149-150 °C
Water Content (Karl Fisher)	0.44%
Kaiser Test	Negative
TLC System	Chloroform/Methanol/Acetic acid (90:8:2)
Optical Rotation	[α] _D ²⁰ = 26.2 ° (C=1, in THF)
Infrared Spectrum	Conforms to structure
Free Amino Acids	< 0.1% of the free aminoacid
Assay	98.2%
Purity by HPLC	HPLC(265 nm) = 99.4%, HPLC(220 nm) = 99.5%
Purity by TLC	> 99%
Chiral Purity	< 0.1% of D-isomer
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