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Certificate of Analysis

Catalogue Number	03699
Product	Fmoc-S-4-methoxytrityl-L-cysteine
Lot Number	000201-3765 Fmoc-L-Cys(Mmt)-OH
CAS Number	177582-21-7
Molecular Formula	C ₃₈ H ₃₃ NO ₅ S
Molecular Weight	615.7

Appearance	Off-white powder
Solubility	Clearly soluble (0.5 mmole in 1 ml DMF)
Melting Point	126-127 °C
Water Content (Karl Fisher)	0.11%
Kaiser Test	Negative
Optical Rotation	[α] _D ²⁰ = +13.3° (C=1, in THF)
Infrared Spectrum	Conforms to structure
Residual Solvents	11.6% Dioxane
Free Amino Acids	< 0.1%
Assay	90%
D-Enantiomer	< 0.1%
Purity by HPLC	HPLC(265 nm) = 99.8%, HPLC(220 nm) = 99.9%
Purity by TLC	> 99%
Storage	Store at 0-8 °C

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Lot Number: 000201-3765

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