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Certificate of Analysis

Catalogue Number	16958
Lot Number	000424-170621-36218
Product	Fmoc-O-benzyl-D-phosphothreonine

Fmoc-D-Thr(PO(OBzl)OH)-OH

CAS Number	937171-63-6
Molecular Formula	C ₂₆ H ₂₆ NO ₈ P
Molecular Weight	511.5

Appearance	White powder
Solubility	Clear solution (0.3 g in 2ml DMF)
Melting Point	150.9-151.5°C
Water Content (Karl Fisher)	0.343%
Optical Rotation	[α] _D ²⁰ = - 5.6° (C=2 in EtOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.33% (60°C,2h)
Residual Solvents	Acetic acid: ≤ 0.2% (HPLC)
¹H NMR	Conforms to structure
Purity by HPLC	99.14%
Storage	Store at ≤ -4 °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