

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	03914
Product	Fmoc-S-trityl-D-penicillamine
Lot Number	000424-160105-22182 Fmoc-D-Pen(Trt)-OH Fmoc-S-trityl- β,β -dimethyl-D-Cys-OH
CAS Number	201532-01-6
Molecular Formula	C ₃₉ H ₃₅ NO ₄ S
Molecular Weight	613.72

Appearance	White to off-white powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	86.2-91.4 °C
Water Content (Karl Fisher)	0.04%
Optical Rotation	$[\alpha]_D^{20} = -32.9^\circ$ (C=1 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.34% (40 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	98.18%
Storage	Store at 0-8 °C

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Lot Number: 000424-160105-22182

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

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager