

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	03713
Lot Number	000201-4045
Product	Fmoc-O-trityl-L-homoserine Fmoc-L-HomoSer(Trt)-OH
CAS Number	111061-55-3
Molecular Formula	C ₃₈ H ₃₃ NO ₅
Molecular Weight	583.68

Appearance	Off-white crystals
Solubility	Clearly soluble (0.5 mmole in 1 mL DMF)
Melting Point	60-72 °C
Water Content (Karl Fisher)	0.7%
Kaiser Test	Negative
TLC System	Chloroform/Methanol/Acetic acid (90:8:2)
Optical Rotation	[α] ²⁰ _D = -15.2° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Residual Solvents	Ethyl acetate: 0.7% Diethylether: 9.5%
Free Amino Acids	< 0.2%
Assay	91.6%
D-Enantiomer	≤ 0.1%
Purity by HPLC	99.5% (265 nm) 99.4% (220 nm)
Purity by TLC	> 99%
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

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

Bala Kumar
Quality Control Manager