

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	07108
Lot Number	000201-3282-1
Product	Fmoc-O-trityl-D-homoserine

Fmoc-D-HomoSer(Trt)-OH

CAS Number	257886-01-4
Molecular Formula	C ₃₈ H ₃₃ NO ₅
Molecular Weight	583.68

Appearance	Off-white crystalline powder
Solubility	Clearly soluble (0.5 mmol in 1 ml DMF)
Melting Point	68 - 73 °C
Water Content (Karl Fisher)	0.6%
Kaiser Test	Negative to slightly positive
Optical Rotation	[α] _D ²⁰ = +14.8 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Residual Solvents	Diethylether : 8.6% Ethyl acetate : 0.5%
Assay	92.2%
Chiral HPLC	> 99.9% (ee)
L-Enantiomer	< 0.1%
Purity by HPLC	98.6%
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