

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	05697
Product	Fmoc-D-glutamic acid-α-tert-butyl ester
Lot Number	000424-181126-36612 Fmoc-D-Glu-OtBu
CAS Number	109745-15-5
Molecular Formula	C ₂₄ H ₂₇ NO ₆
Molecular Weight	425.5

Appearance	White powder
Solubility	Clear solution (0.3g in 2ml DMF)
Melting Point	109.5 - 110.6 °C
Water Content (Karl Fisher)	0.012%
Optical Rotation	[α] _D ²⁰ = + 11.0 ° (C=1 in AcOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.150% (55 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	100% (ee)
L-Enantiomer	Not detectable
Purity by HPLC	99.02%
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