



INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

Certificate of Analysis

Catalogue Number	04-1273
Lot Number	000424-181111-36665
Product	Fmoc-L-glutamic acid γ-<i>tert</i>-butyl ester α-<i>N</i>-hydroxysuccinimide ester Fmoc-L-Glu(OtBu)-OSu
CAS Number	101214-22-6
Molecular Formula	C ₂₈ H ₃₀ N ₂ O ₆
Molecular Weight	522.55

Appearance	White powder
Solubility	Clear solution (0.3g in 2ml DMF)
Melting Point	161.6 - 163.4 °C
Optical Rotation	[α] _D ²⁰ = -30 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.20% (70 °C, 2h)
¹ H NMR	Conforms to structure
Purity by HPLC	98.58%
Storage	Store at 0-8 °C

Prepared by:
Ramesh Mandadi
Ramesh Mandadi
Director of Operations

Reviewed and approved by:
Sujata Moton
S. Moton
VP