

# Chem-Impex International, Inc.

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## Certificate of Analysis

**Catalogue Number** 05737  
**Lot Number** 000201-3180  
**Product** ***N*<sup>α</sup>-Fmoc-*N*<sup>ε</sup>-palmitoyl-L-lysine**

Fmoc-L-Lys(palmitoyl)-OH

**CAS Number** 201004-46-8  
**Molecular Formula** C<sub>37</sub>H<sub>54</sub>N<sub>2</sub>O<sub>5</sub>  
**Molecular Weight** 606.85

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**Appearance** Pale yellow crystalline powder  
**Solubility** Clearly soluble (0.5 mmol in 2 ml DMF)  
**Water Content (Karl Fisher)** 0.69%  
**Kaiser Test** Negative  
**Optical Rotation** [α]<sub>D</sub><sup>20</sup> = -10.6° (C=1 in DMF)  
**Residual Solvents** None detected  
**Assay** 99.3%  
**Purity by HPLC** 98.52%  
**Purity by TLC** > 99%  
**Storage** Store at 0-8 °C

**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



**Bala Kumar**  
**Quality Control Manager**