

# Chem-Impex International, Inc.

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**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

|                                    |                                                                                                                                                       |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalogue Number</b>            | 03765                                                                                                                                                 |
| <b>Product</b>                     | <b>Fmoc-L-glutamic acid <math>\gamma</math>-9-fluorenylmethyl ester</b><br>Fmoc-L-Glu(OFm)-OH<br><br>Fmoc-L-glutamic acid 5-(9-fluorenylmethyl) ester |
| <b>CAS Number</b>                  | 608512-86-3                                                                                                                                           |
| <b>Molecular Formula</b>           | C <sub>34</sub> H <sub>29</sub> NO <sub>6</sub>                                                                                                       |
| <b>Molecular Weight</b>            | 547.60                                                                                                                                                |
| <b>Appearance</b>                  | White powder                                                                                                                                          |
| <b>Elemental Analysis (Theory)</b> | C = 73.85 $\pm$ 0.5%, H = 5.4 $\pm$ 0.5%, N = 2.53 $\pm$ 0.5%                                                                                         |
| <b>Optical Rotation</b>            | [ $\alpha$ ] <sub>D</sub> <sup>20</sup> = 4 $\pm$ 2 ° (C=1 in Ethylacetate)                                                                           |
| <b>Analysis by Mass Spectra</b>    | Mass m/e+1 548 $\pm$ 1, m/e+Na 570 $\pm$ 1                                                                                                            |
| <b><sup>1</sup>H NMR</b>           | Conforms to structure                                                                                                                                 |
| <b>Purity by HPLC</b>              | $\geq$ 98%                                                                                                                                            |
| <b>Storage</b>                     | Store at 0 - 8 °C                                                                                                                                     |

**For Laboratory Use Only**