

# Chem-Impex International, Inc.

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## Certificate of Analysis

|                  |                                                                            |
|------------------|----------------------------------------------------------------------------|
| Catalogue Number | 15496                                                                      |
| Product          | <b>Fmoc-N<math>\gamma</math>-trityl-L-<math>\beta</math>-homoglutamine</b> |

|            |                                                                                                          |
|------------|----------------------------------------------------------------------------------------------------------|
| Lot Number | 001328-20120525-2<br>Fmoc-L- $\beta$ -HomoGln(Trt)-OH<br>(S)-3-(Fmoc-amino)-N-trityl-adipic acid 6-amide |
|------------|----------------------------------------------------------------------------------------------------------|

|                   |                                                               |
|-------------------|---------------------------------------------------------------|
| CAS Number        | 401915-55-7                                                   |
| Molecular Formula | C <sub>40</sub> H <sub>36</sub> N <sub>2</sub> O <sub>5</sub> |

|                  |        |
|------------------|--------|
| Molecular Weight | 624.73 |
|------------------|--------|

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|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| Appearance          | Off-white crystalline powder                                                         |
| Optical Rotation    | [ $\alpha$ ] <sub>D</sub> <sup>20</sup> = +54.0° (C=0.15 in MeOH)                    |
| <sup>13</sup> C NMR | Conforms to structure                                                                |
| <sup>1</sup> H NMR  | Conforms to structure                                                                |
| Purity              | > 95% (NMR)                                                                          |
| Storage             | Store at 0-8 °C                                                                      |
| Remarks             | See material safety data sheet for additional information<br>For laboratory use only |

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager