

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

**Catalogue Number** 03175  
**Product** *N*<sup>α</sup>-Fmoc-*N*<sup>γ</sup>-*tert*-butyl-L-asparaginol

**Lot Number** 000424-150617-37202  
Fmoc-L-Aspartimol(OtBu)  
Fmoc-Asp(OtBu)-ol

**CAS Number** 133565-45-4  
**Molecular Formula** C<sub>23</sub>H<sub>27</sub>NO<sub>5</sub>

**Molecular Weight** 397.5

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**Appearance** White to off-white powder  
**Solubility** Clear solution (0.3 g in 2 mL DMF)  
**Melting Point** 94.1-96.1 °C  
**Water Content (Karl Fisher)** 0.983%  
**Optical Rotation** [α]<sub>D</sub><sup>20</sup> = -18° (C=1 in DMF)  
**Infrared Spectrum** Conforms to structure  
**Analysis by Mass Spectra** Conforms to standard  
**Loss on Drying** 0.43% (40 °C, 2h)  
**<sup>1</sup>H NMR** Conforms to structure  
**Purity by HPLC** 98.86%  
**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**



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