

# Chem-Impex International, Inc.

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## Certificate of Analysis

**Catalogue Number** 15121  
**Product** **Fmoc-3-chloro-L-tyrosine**

**Lot Number** 000424-131104-20710  
Fmoc-*m*-chloro-L-Tyr-OH

**CAS Number** 478183-58-3  
**Molecular Formula** C<sub>24</sub>H<sub>20</sub>ClNO<sub>5</sub>

**Molecular Weight** 437.88

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**Appearance** White powder  
**Solubility** Clear solution (0.3 g in 2 mL DMF)  
**Melting Point** 170.6-171.9 °C  
**Optical Rotation** [α]<sub>D</sub><sup>20</sup> = -20.1° (C=1 in DMF)  
**Infrared Spectrum** Conforms to structure  
**Analysis by Mass Spectra** Conforms to standard  
**<sup>1</sup>H NMR** Conforms to structure  
**Purity by HPLC** 98.66%  
**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