

# Chem-Impex International, Inc.

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## Certificate of Analysis

**Catalogue Number** 03815  
**Lot Number** 000027-17539-1  
**Product** ***N*<sup>α</sup>-Boc-L-tryptophan 4-nitrophenyl ester**

Boc-L-Trp-ONp

**CAS Number** 15160-31-3  
**Molecular Formula** C<sub>22</sub>H<sub>23</sub>N<sub>3</sub>O<sub>6</sub>

**Molecular Weight** 425.4

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**Appearance** Yellow powder  
**Solubility** Clear colorless solution (1 mmol in 2 mL DCM)  
**Optical Rotation** [α]<sub>D</sub><sup>20</sup> = +3.4 ° (C=1 in EtOH)  
**Purity by HPLC** 98.9%  
**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