

# Chem-Impex International, Inc.

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## Certificate of Analysis

|                          |   |
|--------------------------|---|
| <b>Catalogue Number</b>  | 29660   |
| <b>Lot Number</b>        | 002494-20160408   |
| <b>Product</b>           | <b>(2S,4R)-Boc-4-amino-1-Fmoc-pyrrolidine-2-carboxylic acid</b> |
| <b>CAS Number</b>        | 273222-06-3   |
| <b>Molecular Formula</b> | C <sub>25</sub> H <sub>28</sub> N <sub>2</sub> O <sub>6</sub>   |
| <b>Molecular Weight</b>  | 452.51  |

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|---------------------------|--|
| <b>Appearance</b>         | Off-white powder   |
| <b>Optical Rotation</b>   | [α] <sub>D</sub> <sup>20</sup> = -9.2° (C=1 in MeOH)                                 |
| <b><sup>13</sup>C NMR</b> | Conforms to structure  |
| <b><sup>1</sup>H NMR</b>  | Conforms to structure  |
| <b>Purity by HPLC</b>     | 97.55%   |
| <b>Storage</b>            | Store at 0-8 °C  |
| <b>Remarks</b>            | 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