

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	16469
<b>Lot Number</b>	09827
<b>Product</b>	<b><i>N</i><sup>α</sup>-<i>Z</i>-<i>N</i><sup>β</sup>-Fmoc-D-2,3-diaminopropionic acid</b>  Z-D-Dap(Fmoc)-OH
<b>CAS Number</b>	185968-90-5
<b>Molecular Formula</b>	C <sub>26</sub> H <sub>24</sub> N <sub>2</sub> O <sub>6</sub>
<b>Molecular Weight</b>	460.49

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<b>Appearance</b>	White crystalline powder
<b>Melting Point</b>	157-161 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = +8.6° (C=1 in MeOH)
<b>Assay by titration</b>	99.2%
<b>Purity by HPLC</b>	99.7%
<b>Purity by TLC</b>	> 98%
<b>Storage</b>	Store at 0-8 °C
<b>Remarks</b>	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