

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Certificate of Analysis

<b>Catalogue Number</b>	30489
<b>Lot Number</b>	000129-11138-1
<b>Product</b>	<b>(R)-4-(Fmoc-amino)-3-(Boc-amino)butyric acid</b> N <sup>B</sup> -Boc-N <sup>γ</sup> -Fmoc-L-Diaminobutyric acid
<b>CAS Number</b>	1409939-21-4
<b>Molecular Formula</b>	C <sub>24</sub> H <sub>28</sub> N <sub>2</sub> O <sub>6</sub>
<b>Molecular Weight</b>	440.5

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<b>Appearance</b>	White crystalline powder
<b>Melting Point</b>	185 - 187 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 8.4 ° (C=1 in DMF)
<b>Assay by titration</b>	99.7%
<b>Purity by HPLC</b>	98.6%
<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**