

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	26442
<b>Lot Number</b>	000129-14112
<b>Product</b>	<b>(S)-N-Fmoc-N,N'-bis-Boc-2-amino-3-guanidino propionic acid</b>
	Fmoc-L-Agp(Boc) <sub>2</sub> -OH
<b>CAS Number</b>	313232-63-2
<b>Molecular Formula</b>	C <sub>29</sub> H <sub>36</sub> N <sub>4</sub> O <sub>8</sub>
<b>Molecular Weight</b>	568.62

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<b>Appearance</b>	White powder
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -10 ± 2° (C=1 in MeOH)
<b>Assay by titration</b>	89.8%
<b>Purity by HPLC</b>	97.5%
<b>Purity by TLC</b>	> 97%
<b>Storage</b>	Store at 0-8 °C
<b>Additional Information</b>	D-isomer content: < 0.3%
<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