

# Chem-Impex International, Inc.

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Manufacturing site:

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## Certificate of Analysis

<b>Catalogue Number</b>	31635
<b>Product</b>	<b>2-(Fmoc-amino)-4-(bis-Boc-guanidino)-D-</b>
<b>Lot Number</b>	000129-15176-1
	Fmoc-D-Agb(Boc) <sub>2</sub> -OH
<b>CAS Number</b>	1263047-29-5
<b>Molecular Formula</b>	C <sub>30</sub> H <sub>38</sub> N <sub>4</sub> O <sub>8</sub>
<b>Molecular Weight</b>	582.66

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<b>Appearance</b>	White powder
<b>Melting Point</b>	> 108 °C (dec.)
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 10.2 ° (C=1 in DMF)
<b>Residual Solvents</b>	DIPE, Petroleum ether
<b>Assay by titration</b>	96.3%
<b>Chiral HPLC</b>	99.95% (ee)
<b>L-Enantiomer</b>	0.05%
<b>Purity by HPLC</b>	98.7%
<b>Purity by TLC</b>	> 98%
<b>Storage</b>	Store at -10 °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**