

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	05504
<b>Lot Number</b>	000424-140110-31129
<b>Product</b>	<b><i>N</i><sup>α,ε</sup>-Bis-Boc-D-lysine dicyclohexylammonium salt</b> Boc-D-Lys(Boc)-OH•DCHA
<b>CAS Number</b>	204190-67-0
<b>Molecular Formula</b>	C <sub>16</sub> H <sub>30</sub> N <sub>2</sub> O <sub>6</sub> ·C <sub>12</sub> H <sub>23</sub> N
<b>Molecular Weight</b>	527.7

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<b>Appearance</b>	White powder
<b>Melting Point</b>	140.2-142.0 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = +6.3° (C=1 in AcOH)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	0.80%
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	99.12%
<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