

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	03097
<b>Product</b>	<b>N<sup>ε</sup>-Boc-D-lysine</b> D-Lys(Boc)-OH
<b>CAS Number</b>	31202-69-4
<b>Molecular Formula</b>	C <sub>11</sub> H <sub>22</sub> N <sub>2</sub> O <sub>4</sub>
<b>Molecular Weight</b>	246.3

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<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Clear solution (0.1 g in 4 mL 1N HCl)
<b>Melting Point</b>	232 - 247 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -16.0 ± 2° (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>	≤ 2% (90 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	≥ 98%
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**