

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	02708
<b>Product</b>	<b><i>N</i><sup>α</sup>-Boc-L-lysine</b> Boc-L-Lys-OH
<b>CAS Number</b>	13734-28-6
<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 crystalline powder
<b>Solubility</b>	Clearly soluble (0.5 mmol in 5 mL Water)
<b>Melting Point</b>	192 - 212 °C
<b>Water Content (Karl Fisher)</b>	≤ 1%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = + 21.5 ± 1.5 ° (C=2 in MeOH) [α] <sub>D</sub> <sup>20</sup> = +5.0 ± 1 ° (C=2 in H <sub>2</sub> O)
<b>Purity by HPLC</b>	≥ 98%
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**