

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	12408
<b>Product</b>	<b><i>N</i><sup>α</sup>-Boc-L-lysine methyl ester hydrochloride</b>  Boc-L-lysine methyl ester hydrochloride
<b>CAS Number</b>	55757-60-3, 99532-86-2
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>24</sub> N <sub>2</sub> O <sub>4</sub> ·HCl
<b>Molecular Weight</b>	296.83

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<b>Appearance</b>	White to off-white solid (hygroscopic)
<b>Solubility</b>	Clear, colorless to slightly colored solution (5% in methanol)
<b>Water Content (Karl Fisher)</b>	≤ 3.0%
<b>TLC System</b>	Chloroform/Methanol/Acetic acid 32% (5:3:1): ≥ 98% Chloroform/Methanol/Acetic acid/Water (70:42:0.5:10): ≥ 98%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>25</sup> = -19 ± 1.5° (C=1 in MeOH)
<b>Titration</b>	11.0 ± 1% (Chloride content: 0.1 M AgNO <sub>3</sub> )
<b>Purity by TLC</b>	≥ 98%
<b>Storage</b>	Store at ≤ -15 °C

**For Laboratory Use Only**