

# Chem-Impex International, Inc.

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## Product Specifications

<b>Catalogue Number</b>	06626
<b>Product</b>	<b>L-Methionine <i>tert</i>-butyl ester hydrochloride</b>
	L-Met-OtBu•HCl
<b>CAS Number</b>	91183-71-0
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>19</sub> NO <sub>2</sub> S•HCl
<b>Molecular Weight</b>	241.73
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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL DMF)
<b>Melting Point</b>	144 - 152 °C
<b>Water Content (Karl Fisher)</b>	≤ 0.5%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = +9 ± 1° (C=1% in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to structure
<b>Loss on Drying</b>	≤ 1% (70 °C for 2 hours)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	≥ 99%
<b>Storage</b>	Store at 0-8 °C

**For Laboratory Use Only**