

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	03165
<b>Product</b>	<b><i>O</i>-tert-Butyl-L-tyrosine methyl ester hydrochloride</b> L-Tyr(tBu)-OMe•HCl
<b>CAS Number</b>	51482-39-4
<b>Molecular Formula</b>	C <sub>14</sub> H <sub>21</sub> NO <sub>3</sub> •HCl
<b>Molecular Weight</b>	287.8

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<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Clear solution (0.3g in 2mL DMF)
<b>Melting Point</b>	146 - 148 °C
<b>Elemental Analysis (Theory)</b>	≤ 5% (C, H, N)
<b>Water Content (Karl Fisher)</b>	≤ 1.0%
<b>Optical Rotation</b>	[α] <sup>20</sup> <sub>D</sub> = 39 ± 2° (C=1 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standards
<b>Loss on Drying</b>	≤ 1.0% (60 °C, 2h)
<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**