

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	06245
<b>Product</b>	<b>L-Threonine <i>tert</i>-butyl ester hydrochloride</b>
	L-Thr-OtBu•HCl
<b>CAS Number</b>	69320-90-7
<b>Molecular Formula</b>	C <sub>8</sub> H <sub>17</sub> NO <sub>3</sub> •HCl
<b>Molecular Weight</b>	211.69

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<b>Appearance</b>	White crystalline powder
<b>Melting Point</b>	131-143 °C
<b>Water Content (Karl Fisher)</b>	≤ 1%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -19 ± 2° (C=1 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Assay by titration</b>	≥ 99.9%
<b>D-Enantiomer</b>	≤ 0.3%
<b>Purity by TLC</b>	≤ 1% (free Thr)
<b>Storage</b>	Store at 0-8°C

**For Laboratory Use Only**