

# Chem-Impex International, Inc.

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## Product Specifications

<b>Catalogue Number</b>	41651
<b>Product</b>	<b>(S)-1-(tert-Butoxycarbonyl)-2-</b> (S)-1-Boc-2-methylpiperazine <i>tert</i> -Butyl (S)-2-methyl-1-piperazinecarboxylate
<b>CAS Number</b>	169447-70-5
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>20</sub> N <sub>2</sub> O <sub>2</sub>
<b>Molecular Weight</b>	200.28
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<b>Warnings</b>	<i>Hygroscopic! Store under inert gas!</i>
<b>Synonym 3</b>	(S)-2-Methyl-1-piperazinecarboxylic acid <i>tert</i> -butyl ester
<b>Appearance</b>	White to off-white crystalline powder
<b>Solubility</b>	Soluble in methanol
<b>Melting Point</b>	43 - 47 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 68 - 72 ° (C = 0.65 in CHCl <sub>3</sub> )
<b>Infrared Spectrum</b>	Conforms to structure
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Assay by titration</b>	≥ 98%
<b>Purity by GC</b>	≥ 98%
<b>Storage</b>	Store at RT

**For Laboratory Use Only**