

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	02167
<b>Product</b>	<b>Z-L-glutamic acid <math>\alpha</math>-<i>tert</i>-butyl ester</b>
	Z-L-Glu-OtBu
<b>CAS Number</b>	5891-45-2
<b>Molecular Formula</b>	C <sub>17</sub> H <sub>23</sub> NO <sub>6</sub>
<b>Molecular Weight</b>	337.4
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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 gram in 2 ml MeOH)
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>20</sup> = -25 $\pm$ 2 ° (C=1 in MeOH)
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Chiral HPLC</b>	$\geq$ 99.5% (ee)
<b>D-Enantiomer</b>	$\leq$ 0.5%
<b>Purity by HPLC</b>	$\geq$ 98%
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**