

# Chem-Impex International, Inc.

---

**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

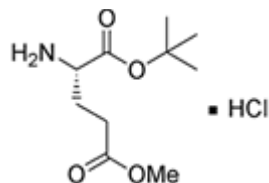
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

---



## Product Specifications

<b>Catalogue Number</b>	11678
<b>Product</b>	<b>L-Glutamic acid <math>\gamma</math>-methyl ester <math>\alpha</math>-<i>tert</i>-butyl ester hydrochloride</b> L-Glu(OMe)-OtBu•HCl
<b>CAS Number</b>	34582-33-7
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>19</sub> NO <sub>4</sub> •HCl
<b>Molecular Weight</b>	253.77
<hr/>	
<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 2 ml H <sub>2</sub> O)
<b>Melting Point</b>	129-133 °C
<b>Water Content (Karl Fisher)</b>	≤ 1.0%
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>20</sup> = +17.1 ± 2° (C=2 in H <sub>2</sub> O)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	≤ 1.0% (60 °C, 2 h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	≥ 98%
<b>Storage</b>	Store at 0-8 °C

**For Laboratory Use Only**