

# Chem-Impex International, Inc.

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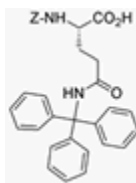
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

<b>Catalogue Number</b>	03846
<b>Product</b>	<b><i>N</i><sup>α</sup>-Z-<i>N</i><sup>δ</sup>-trityl-L-glutamine</b>
	Z-L-Gln(Trt)-OH
<b>CAS Number</b>	132388-60-4
<b>Molecular Formula</b>	C <sub>32</sub> H <sub>30</sub> N <sub>2</sub> O <sub>5</sub>
<b>Molecular Weight</b>	522.6

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<b>Appearance</b>	White powder
<b>Solubility (Turbidity)</b>	Clear solution (0.3 g in 2mL DMF)
<b>Melting Point</b>	160 - 165 °C
<b>Water Content (Karl Fisher)</b>	≤ 2.0%
<b>Optical Rotation</b>	[α] <sup>20</sup> <sub>D</sub> = -6 ± 1 ° (C=1 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	≤ 2.0% (70 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Chiral HPLC</b>	≥ 99.5% (ee)
<b>D-Enantiomer</b>	≤ 0.5%
<b>Purity by HPLC</b>	≥ 99%
<b>Storage</b>	Store at 0-8 °C

**For Laboratory Use Only**