

# Chem-Impex International, Inc.

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

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

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

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

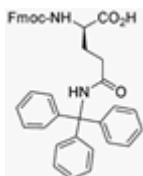
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

<b>Catalogue Number</b>	02480
<b>Product</b>	<b><math>N^{\alpha}</math>-Fmoc-<math>N^{\delta}</math>-trityl-D-glutamine</b> Fmoc-D-Gln(Trt)-OH
<b>CAS Number</b>	200623-62-7
<b>Molecular Formula</b>	$C_{39}H_{34}N_2O_5$
<b>Molecular Weight</b>	610.7

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<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL DMF)
<b>Melting Point</b>	80 - 171 °C
<b>Water Content (Karl Fisher)</b>	$\leq 5\%$
<b>Optical Rotation</b>	$[\alpha]_D^{20} = 14.5 \pm 2^\circ$ (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>	$\leq 3\%$ (50 °C, 2h)
<b><math>^1H</math> NMR</b>	Conforms to structure
<b>Chiral HPLC</b>	$\geq 99.2\%$ (ee)
<b>L-Enantiomer</b>	$\leq 0.8\%$
<b>Purity by HPLC</b>	$\geq 98.5\%$
<b>Purity by TLC</b>	$\geq 98\%$
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**