

# Chem-Impex International, Inc.

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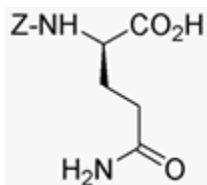
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

**Catalogue Number** 02158  
**Product** **Z-D-glutamine**

Z-D-Gln-OH

**CAS Number** 13139-52-1

**Molecular Formula** C<sub>13</sub>H<sub>16</sub>N<sub>2</sub>O<sub>5</sub>

**Molecular Weight** 280.3

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**Appearance** White to off white powder  
**Solubility** Clear solution (0.3 gram in 2ml DMF)  
**Melting Point** 128-142 °C  
**Optical Rotation** [α]<sub>D</sub><sup>25</sup> = +6.0 ± 2° (C=2% in EtOH)  
**Analysis by Mass Spectra** Conforms to structure  
**<sup>1</sup>H NMR** Conforms to structure  
**Purity by HPLC** ≥ 98%  
**Storage** Store at RT

**For Laboratory Use Only**