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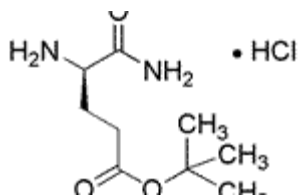
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number	29933
Product	D-Glutamic acid γ-<i>tert</i>-butyl ester α-amide hydrochloride D-Glu(OtBu)-NH ₂ •HCl D-Isoglutamine <i>t</i> -butyl ester•HCl
Molecular Formula	C ₉ H ₁₈ N ₂ O ₃ •HCl
Molecular Weight	238.72
Appearance	White to off-white powder
Solubility	Clear solution (1 mmol in 2 mL water)
Melting Point	200 - 206 °C
Water Content (Karl Fisher)	≤ 1%
Optical Rotation	[α] _D ²⁰ = -17 ± 1 ° (C=1 in water)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 2 (70 °C, 2h)
¹ H NMR	Conforms to structure
Chiral HPLC	≥ 99.5% (ee)
L-Enantiomer	≤ 0.5%
Purity by HPLC	≥ 99%
Storage	Store at 0 - 8 °C

For Laboratory Use Only