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Product Specifications

Catalogue Number	03066
Product	L-Glutamic acid dimethyl ester hydrochloride L-Glu(OMe)-OMe•HCl
CAS Number	23150-65-4
Molecular Formula	C ₇ H ₁₃ NO ₄ •HCl
Molecular Weight	211.6
Appearance	White to off-white powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	92-100 °C
Water Content (Karl Fisher)	≤ 2.0%
Optical Rotation	[α] _D ²⁰ = +26 ± 2° (C=5 in H ₂ O)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 1.0% (40 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	≥ 98%
Storage	Store at 0-8 °C

For Laboratory Use Only