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Product Specifications

Catalogue Number	06413
Product	Z-L-aspartic acid α-methyl ester Z-L-Asp-OMe
CAS Number	4668-42-2
Molecular Formula	C ₁₃ H ₁₅ NO ₆
Molecular Weight	281.27

Appearance	White to off-white powder
Solubility	Clear solution (0.3 g in 2ml AcOH)
Melting Point	87 -95 °C
Elemental Analysis (Theory)	≤ 5 (C,H,N)
Water Content (Karl Fisher)	≤ 1.0%
Optical Rotation	[α] _D ²⁰ = - 16 ± 1.5 ° (C=1, in EtOH)
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
Chiral HPLC	≥ 99.5% (ee)
D-Enantiomer	≤ 0.5%
Purity by HPLC	≥ 99%
Storage	Store at 0-8 °C

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For Laboratory Use Only