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Product Specifications

Catalogue Number	05462
Product	Boc-L-aspartic acid β-tert-butyl ester Boc-L-Asp(OtBu)-OH
CAS Number	1676-90-0
Molecular Formula	C ₁₃ H ₂₃ NO ₆
Molecular Weight	289.4

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 ml MeOH)
Melting Point	50 - 65 °C
Water Content (Karl Fisher)	≤ 4%
Optical Rotation	[α] _D ²⁰ = 2.5 ± 1 ° (C = 1 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 2% (35 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	≥ 99.5% (ee)
D-Enantiomer	≤ 0.5%
Purity by HPLC	≥ 99%
Purity by TLC	≥ 98%
Storage	Store at 0 - 8 °C

For Laboratory Use Only