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Product Specifications

Catalogue Number	02395
Product	Fmoc-L-aspartic acid-α-tert-butylester Fmoc-L-Asp-OtBu
CAS Number	129460-09-9
Molecular Formula	C ₂₃ H ₂₅ NO ₆
Molecular Weight	411.5
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Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	100 - 118 °C
Elemental Analysis (Theory)	≤ 5% (C, N, H)
Water Content (Karl Fisher)	≤ 2%
Optical Rotation	[α] _D ²⁰ = -23 ± 2.5 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 2% (50 °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

Product Specifications

Catalog Number: 02395

For Laboratory Use Only