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Product Specifications

Catalogue Number	02691
Product	Fmoc-L-α-aminobutyric acid Fmoc-L-Abu-OH Fmoc-L-2-aminobutanoic acid
CAS Number	135112-27-5
Molecular Formula	C ₁₉ H ₁₉ NO ₄
Molecular Weight	325.4

Appearance	White powder or white crystalline powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	131 - 137 °C
Water Content (Karl Fisher)	≤ 6%
Optical Rotation	[α] _D ²⁰ = -23 ± 3 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 1% (50 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	≥ 99.5% (ee)
D-Enantiomer	≤ 0.5%
Purity by HPLC	≥ 98%
Storage	Store at 0 - 8 °C

For Laboratory Use Only