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Product Specifications

Catalogue Number	02412
Product	Fmoc-L-glutamic acid γ-benzyl ester Fmoc-L-Glu(OBzl)-OH Fmoc-L-glutamic acid 5-benzyl ester
CAS Number	123639-61-2
Molecular Formula	C ₂₇ H ₂₅ NO ₆
Molecular Weight	459.5

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	126 - 146 °C
Water Content (Karl Fisher)	≤ 1%
Optical Rotation	[α] _D ²⁰ = 10 ± 5 ° (C=1 in CHCl ₃)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 1% (60 °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