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Product Specifications

Catalogue Number	07108
Product	Fmoc-O-trityl-D-homoserine Fmoc-D-HomoSer(Trt)-OH
CAS Number	257886-01-4
Molecular Formula	C ₃₈ H ₃₃ NO ₅
Molecular Weight	583.68

Appearance	Off-white crystals or crystalline powder
Solubility	Clearly soluble (0.5 mmol in 1 ml DMF)
Melting Point	68 - 73 °C
Water Content (Karl Fisher)	≤ 1%
Kaiser Test	Negative to slightly positive
Optical Rotation	[α] _D ²⁰ = 14 ± 2 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Residual Solvents	Diethylether : ≤ 10%
Assay	≥ 92%
Chiral HPLC	≥ 99.5% (ee)
L-Enantiomer	≤ 0.5%
Purity by HPLC	≥ 98%
Purity by TLC	≥ 99%
Storage	Store at 0 - 8 °C

For Laboratory Use Only