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Product Specifications

Catalogue Number	02452
Product	Fmoc-L-serine Fmoc-L-Ser-OH Fmoc-L- β -hydroxyalanine
CAS Number	73724-45-5
Molecular Formula	C ₁₈ H ₁₇ NO ₅
Molecular Weight	327.3

Appearance	White powder
Solubility	Clear solution (0.3 gram in 2 ml DMF)
Melting Point	~ 95 °C
Elemental Analysis (Theory)	≤ 5% (C, H, N)
Water Content (Karl Fisher)	≤ 6%
Optical Rotation	[α] _D ²⁰ = - 12 ± 2 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 1% (40 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	≥ 99.5% (ee)
D-Enantiomer	≤ 0.5%
Purity by HPLC	≥ 98%
Purity by TLC	≥ 98%
Storage	Store at RT

For Laboratory Use Only