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Product Specifications

Catalogue Number	05692
Product	Fmoc-D-citrulline Fmoc-D-Cit-OH (<i>R</i>)-2-Fmoc-amino-5-ureidopentanoic acid
CAS Number	200344-33-8
Molecular Formula	C ₂₁ H ₂₃ N ₃ O ₅
Molecular Weight	397.4

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	150 - 170 °C
Water Content (Karl Fisher)	≤ 1%
Optical Rotation	[α] _D ²⁰ = 9 ± 1 ° (C=2 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to structure
Loss on Drying	≤ 2% (70 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	≥ 99.5% (ee)
L-Enantiomer	≤ 0.5%
Purity by HPLC	≥ 99%
Purity by TLC	≥ 98%
Storage	Store at 0 - 8 °C

For Laboratory Use Only