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Product Specifications

Catalogue Number	00177
Product	Fmoc-S-trityl-L-cysteine Fmoc-L-Cys(Trt)-OH (R)-2-Fmoc-3-tritylsulfanyl-propionic acid
CAS Number	103213-32-7
Molecular Formula	C ₃₇ H ₃₁ NO ₄ S
Molecular Weight	585.7

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL DMF)
Melting Point	170 - 180 °C
Water Content (Karl Fisher)	≤ 1%
Optical Rotation	[α] _D ²⁰ = 20 ± 2 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 1% (80 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	≥ 99%
Purity by TLC	≥ 98%
Storage	Store at 0 - 8 °C

For Laboratory Use Only