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Product Specifications

Catalogue Number	05764
Product	Fmoc-<i>O</i>-<i>tert</i>-butyldimethylsilyl-L-serine Fmoc-L-Ser(Bsi)-OH
CAS Number	146346-81-8
Molecular Formula	C ₂₄ H ₃₁ NO ₅ Si
Molecular Weight	441.6

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL MeOH)
Melting Point	107 - 112 °C
Water Content (Karl Fisher)	≤ 1.0%
Optical Rotation	[α] _D ²⁰ = +19 ± 3° (C=2 in MeOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 1.0% (50°C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	≥ 99.9% (ee)
D-Enantiomer	Not detectable
Purity by HPLC	≥ 98%
Storage	Store at 0-8 °C

For Laboratory Use Only