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Product Specifications

Catalogue Number	02248
Product	Z-O-tert-butyl-L-serine Z-L-Ser(tBu)-OH
CAS Number	1676-75-1
Molecular Formula	C ₁₅ H ₂₁ NO ₅
Molecular Weight	295.3

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL EtOH)
Melting Point	82 - 92 °C
Water Content (Karl Fisher)	≤ 1%
Optical Rotation	[α] _D ²⁰ = 21 ± 3 ° (C=2 in EtOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 1.0% (45 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	≥ 98%
Storage	Store at 0 - 8 °C

For Laboratory Use Only