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Certificate of Analysis

Catalogue Number 07749
Lot Number 120921-16230
Product **Acetyl-O-tert-butyl-L-serine**

Ac-L-Ser(tBu)-OH

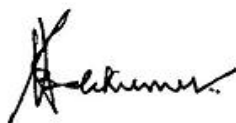
CAS Number 77285-09-7
Molecular Formula C₉H₁₇NO₄

Molecular Weight 203.24

Appearance White to off white powder
Solubility Clear solution (0.3 g in 2 mL DMF)
Melting Point 158.4-161.5 °C
Water Content (Karl Fisher) 0.23%
Optical Rotation [α]_D²⁰ = +27.8° (C=1 in DMF)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to standard
Loss on Drying 0.06%
¹H NMR Conforms to structure
Purity by HPLC 99.16%
Storage Store at 0-8 °C

Remarks See material safety data sheet for additional information
For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager