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Certificate of Analysis

Catalogue Number 04-2505
Product Z-L-threonine methyl ester

Lot Number 120618-12600
Z-L-Thr-OMe

CAS Number 57224-63-2
Molecular Formula $C_{13}H_{17}NO_5$

Molecular Weight 267.3

Appearance White powder
Solubility Clear solution (0.3 g in 2mL MeOH)
Melting Point 91.7-92.3 °C
Water Content (Karl Fisher) 0.36%
Optical Rotation $[\alpha]_D^{20} = -18.0^\circ$ (C=1 in MeOH)
Infrared Spectrum Conforms to structure
Analysis by Mass Spectra Conforms to standard
Loss on Drying 0.29%
 1H NMR Conforms to structure
Purity by HPLC 98.66%
Storage Store at 0-8 °C