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Certificate of Analysis

Catalogue Number	12863
Product	Boc-S-tert-butylthio-L-cysteine
Lot Number	001529-504093 Boc-L-Cys(StBu)-OH Boc-S-tert-butylmercapto-L-cysteine
CAS Number	30044-61-2
Molecular Formula	C ₁₂ H ₂₃ NO ₄ S ₂
Molecular Weight	309.45
Appearance	White to off-white powder
Solubility	Clearly colorless to slightly coloured solution (5% in MeOH)
Melting Point	118 °C
TLC System	Toluene/Dioxane/Acetic acid (95:25:4) Chloroform/Methanol/Acetic acid (98:8:2) Plate: Silicagel 60 F ₂₅₄ Detected by: UV, ninhydrin, Chlorine-Tolidine
Optical Rotation	[α] _D ²⁵ = -147.4° (C=2 in MeOH)
D-Enantiomer	< 0.5%
Purity by TLC	> 99%
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