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Certificate of Analysis

Catalogue Number	00621
Product	Boc-S-benzyl-L-cysteine
Lot Number	000424-140704-30505 Boc-L-Cys(Bzl)-OH Boc-(S)-2-amino-3-(S-benzylthio)propanoic acid
CAS Number	5068-28-0
Molecular Formula	C ₁₅ H ₂₁ NO ₄ S
Molecular Weight	311.4

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 ml DMF)
Melting Point	85.2-85.6 °C
Water Content (Karl Fisher)	0.203%
Optical Rotation	[α] _D ²⁰ = -42.1° (C=1 in AcOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.14% (40 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	99.45%
Storage	Store at 0-8 °C

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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