

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	05484
Lot Number	000424-170713-30503
Product	Boc-S-trityl-D-cysteine

Boc-D-Cys(Trt)-OH

CAS Number	87494-13-1
Molecular Formula	C ₂₇ H ₂₉ NO ₄ S

Molecular Weight	463.57
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Appearance	White powder
Solubility	Clear solution (0.3g in 2ml DMF)
Melting Point	145.8 - 146.3 °C
Elemental Analysis (Found)	< 5% (C,H,N)
Water Content (Karl Fisher)	0.23%
Optical Rotation	[α] _D ²⁰ = -28.5° (C=1 in EtOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	0.20% (60 °C, 2h)
¹H NMR	Conforms to structure
Purity by HPLC	99.59%
Purity by TLC	> 98%
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

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager