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Certificate of Analysis

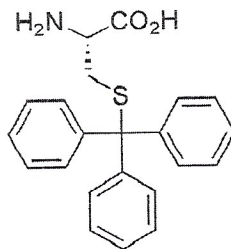
Catalogue Number 04-2553
Lot Number 000424-140818-13009
Product **S-Trityl-L-cysteine**

L-Cys(Trt)-OH
(+)-S-Trityl-L-cysteine

CAS Number 2799-07-7
Molecular Formula $C_{22}H_{21}NO_2S$

Molecular Weight 363.5

Appearance	White powder
Solubility	Clear solution (0.3 g in 2 mL AcOH)
Melting Point	162.9-163.9 °C
Water Content (Karl Fisher)	0.359%
Optical Rotation	$[\alpha]_D^{20} = +109.5^\circ$ (C=0.8% in 0.04 M ethanolic HCl)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	1.59% (70 °C, 2h)
1H NMR	Conforms to structure
Purity by HPLC	98.73%
Storage	Store at 0-8 °C



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