

Shanghai Aladdin Biochemical Technology Co., LTD
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Certificate of Analysis

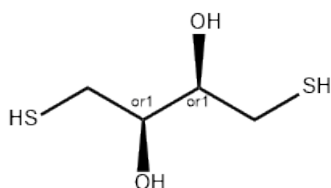
Product Name: DTT Solution 1M in H₂O
Product Number: D301909-1ml
Lot Number: F2630199
CAS No.: 3483-12-3

Test	Specification	Result
Concentration:	1.0 mol/L	1.00 mol/L
Appearance:	Colorless Transparent Liquid	Colorless Transparent Liquid

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C₄H₁₀O₂S₂
Molecular Weight: 154.25
Storage: -20°C, 24 months
Inspection Date: 2026-07-02
Period of Validity: 2028-07-01

Chemical Structure:



RAW MATERIAL ANALYTICAL DATA (Please see attachment for spectrum)

Purity(HPLC): 98.813%
Infrared spectrum: Conforms to Structure

Sample Information

Acquired by : System Administrator

Sample Name :

Sample ID :

Tray# : 1

Vail# : 45

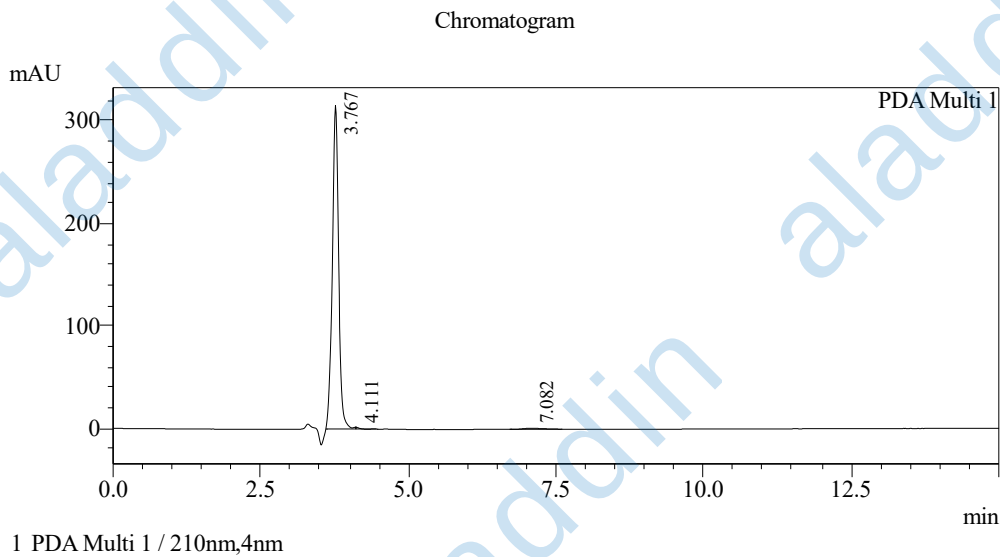
Injection Volume : 2 uL

Data Filename : 624648-D104861-20050-LC02.lcd

Method Filename : 7-3-0.8-15MIN.lcm

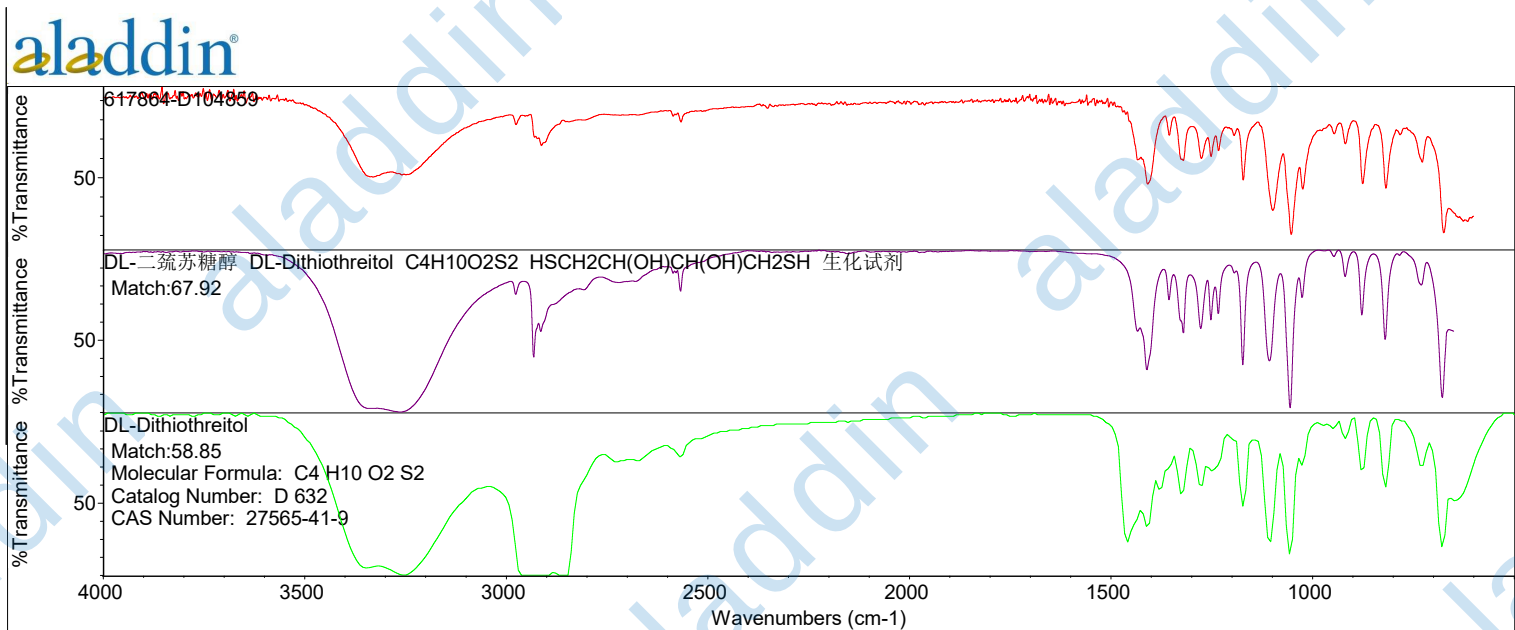
Batch Filename : 1216-01.lcb

Report Filename : DEFAULT.lsr



PeakTable

Ret. Time	Area	Height	Area %	分离度(USP)
3.767	2346237	315211	98.813	--
4.111	6870	1782	0.289	1.225
7.082	21304	1003	0.897	6.346
	2374411	317996	100.000	



Number of sample scans: 16
Number of background scans: 16
Resolution: 4.000
Sample gain: 1.0
Optical velocity: 0.4747
Aperture: 150.00

Spectrum: 617864-D104859		
Region: 3494.44-650.06		
Search type: Correlation		
Hit List:		
Index	Match	Compound name
397	67.92	DL-二硫苏糖醇 DL-Dithiothreitol C4H10O2S2 HSCH2CH(OH)CH(OH)CH2SH 生化试剂
8399	58.85	DL-Dithiothreitol
35	58.85	Dithiothreitol, 99%
1291	57.00	Vinylene trithiocarbonate
4853	56.99	Vinylene trithiocarbonate
1636	52.91	Dithiothreitol
48	52.91	DITHIOTHREITOL
1024	52.91	DITHIOTHREITOL
3823	52.49	Vinylene trithiocarbonate, 98%
1636	51.46	Dithiothreitol

Library
Microscope IR

Sigma Biochemical Condensed Phase
Aldrich Phosphorus and Sulfur Compounds
Aldrich Linked IR
Aldrich Condensed Phase Supplement
HR Aldrich FT-IR Collection Edition II
HR Aldrich Phosphorous and Sulfur Compounds
HR Aldrich FT-IR Collection Edition I
Aldrich FT-IR Collection Edition II
Aldrich FT-IR Collection Edition II