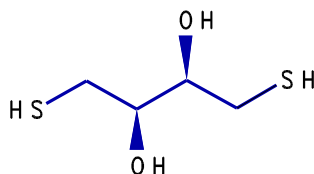


SPECIFICATIONS
cGMP DITHIOTHREITOL



Catalogue Number	1370
CAS Registry Number	3483-12-3
Molecular Formula	C₄H₁₀O₂S₂
Molecular Weight	154.25 g.mol⁻¹
Melting Point	42 ± 2°C (Corr.)
I.R.	Consistent with assigned structure
Titration ex -SH (iodometric)	≥ 99.0%
T.L.C.	One Spot
UV Assays	
(1) 1% Solution	
A ₂₈₀	< 0.067
A ₃₀₅	< 0.050
(2) 0.02 M Solution	
A ₂₈₃	< 0.040
(3) 1 M Neutral Solution	
A ₄₀₀	< 0.062
A ₄₀₅	< 0.062
OD 700-500	# 0.035
Loss on Drying	< 0.50%
Appearance	White crystals
10% Solution in Water	Clear and colorless
% Oxidized DTT	< 0.50%
Residual Solvents	
Toluene	< 890 ppm
Hexane	< 290 ppm
Methanol	< 3000 ppm
THF	< 720 ppm
Water Insolubles Material Content	
Relative Residue (ppm)	Report only
Appearance of Residue	Report only
Storage	2-8°C under Nitrogen