

Specification

Product	DTT for molecular biology
Brand	GeneON GmbH
Product number	CE131, ff.
Synonym(s)	Cleland's Reagent, 2,3-Dihydroxybutane-1,4-dithiol, 1,4-Dithio-DL-threit(ol)
Formula	C ₄ H ₁₀ O ₂ S ₂
Molecular weight	154.25 g/mol
CAS number	3483-12-3
Storage	2-8°C
Retest period (months)	48
Parameter	Specification
Appearance	white crystalline powder
DNases/RNases/Proteases	not detectable
Assay (iodometr.)	min. 99.5 %
Identity (IR)	conforms to structure
DTT (oxidized)	max. 0.5 %
Melting point	38° - 44°C
Water (K.F.)	max. 0.5 %
Solubility (10 % in water)	clear and colorless
A (1 cm/0.02 M in water)	
283 nm	max. 0.05