

## neoFroxx GmbH

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## Specification

Product	DTT for molecular biology
Product number	1114
Synonyms	Cleland's Reagent, 2,3-Dihydroxybutane-1,4-dithiol, 1,4-Dithio-DL-threit(ol)
Formula	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub> S <sub>2</sub>
Molecular weight	154.25 g/mol
CAS number	3483-12-3
Storage	2 - 8°C
Retest period (months)	48

Parameter	Specification
Assay	>= 99.5 %
Identity (IR)	passes test
Appearance	white crystalline powder
DTT (oxidized)	<= 0.5 %
DNases/RNases/Proteases	not detectable
Melting point	38° - 44°C
Solubility (10 % in water)	clear and colorless
Water	<= 0.5 %
Absorbance (0.02 M in water)	
283 nm	<= 0.05

Einhausen, 25.06.2024