

neoFroxx GmbH

Marie-Curie-Str. 3
D-64683 Einhausen

Telefon: +49 (6251) 989 24 - 0
Telefax: +49 (6251) 989 24 - 10

E-Mail: info@neofroxx.com

www.neofroxx.com

Specification

Product	DTT for molecular biology
Brand	BioFroxx

Product number	1114
Synonym(s)	Cleland's Reagent, 2,3-Dihydroxybutane-1,4-dithiol, 1,4-Dithio-DL-threitol
Formula	$C_4H_{10}O_2S_2$
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

Einhausen, 08.04.2020