

neoFroxx GmbH

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Specification

Product	DTT for biochemistry
Brand	BioFroxx

Product number	1111
Synonym(s)	Cleland's Reagent, 2,3-Dihydroxybutane-1,4-Dithiol, 1,4-Dithio-DL-threit(ol)
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 to off-white crystalline powder
Assay (iodometr.)	min. 99 %
pH (0.1 M in water, 20°C)	4.0 - 6.0
Melting point	40 - 44°C
DTT (oxidized)	max. 0.5 %
Water (K.F.)	max. 0.5 %
A (1 cm/0.02 M in water)	
283 nm	max. 0.05 %

Einhausen, 04.02.2020