

DL-Dithiothreitol, Cell Culture Tested

TC540


Product Identifier

CAS No.	:	3483-12-3
EC No.	:	222-468-7
Molecular Formula	:	C ₄ H ₁₀ O ₂ S ₂
Molecular Weight	:	154.25
Synonym	:	threo-1,4-Dimercapto-2,3-butanediol; Cleland's reagent; DTT
HS Code	:	2930 90 99
Storage	:	2 - 8°C
Shelf life	:	4 years

Technical Specification

Appearance	:	White to off-white hygroscopic crystals or powder
Solubility	:	33.3 mg soluble in 1 mL of water
pH (0.1M in water at 25°C)	:	4.00 - 6.50
FTIR	:	Matches with the standard pattern
Assay (Iodometry/HPLC)	:	99.00 - 101.00%
Cell Culture Test	:	Passes

Safety Information

Hazard Pictogram(s)	:	
Signal Word	:	Warning
Hazard Statement(s)	:	H302- H315- H319- H335
Precautionary Statement(s)	:	P261- P305+P351+P338
UN No.	:	3335
Class	:	9
Packing Group	:	III
RTECS	:	EK1610000