

BIOCHEMICALS  
BY

SORACHIM

DTT (Dithiothreitol)

DDY-86C

SPECIFICATIONS

CAS:	3483-12-3
Appearance	White crystals
Molecular formula :	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub> S <sub>2</sub>
Molecular weight :	154.25
Solubility (10%, H <sub>2</sub> O):	Clear and colourless solution
Titration (iodometric):	> 99 %
Melting point:	40 - 44 °C
IR:	Consistent with assigned structure
A <sub>283nm</sub> (1cm/0.02M H <sub>2</sub> O):	< 0.04
A <sub>280nm</sub> (1cm/1% H <sub>2</sub> O):	< 0.067
A <sub>305nm</sub> (1cm/1% H <sub>2</sub> O):	< 0.05
Oxidized DTT:	< 0.5 %
Storage :	2 - 8 °C. Protect from light and moisture.
Stability :	At least 2 years at 2-8 °C.

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