



Molekula Limited  
Lingfield Way  
Darlington  
County Durham  
DL1 4XX  
United Kingdom  
+44 (0) 3302 000333  
info@molekula.com

# Specification

## Technical Data Sheet

<b>Product Name</b>	DTT (Dithiothreitol)
<b>Product No</b>	19733320
<b>CAS Number</b>	3483-12-3
<b>Storage Temperature</b>	2 to 8 °C
<b>Molecular Weight</b>	154.25
	<b>Specification</b>
<b>pH</b>	4 - 6
<b>Loss on Drying</b>	<0.5%
<b>Solubility</b>	Soluble in methanol and methylene chloride, water, absolute ethanol, acetone, ethyl acetate
<b>Assay</b>	>99%
<b>UV Absorbance</b>	@ 500nm: <0.05, @ 280nm: <0.10
<b>Clarity</b>	A) 5% (W/V) solution in water is clear and colourless. B) 1 molar solution in 0.01m sodium acetate at pH 5.2 should be clear and colourless
<b>Appearance</b>	White free flowing powder
<b>Melting Range</b>	41 +/- 3 Deg C
<b>Related Substance</b>	<0.4%