

## PRODUCT INFORMATION

**100mM dTTP**

v. 230101

<b>Catalog number</b>	C15006-1ML
<b>Set Package</b>	1 mL
<b>Description</b>	Deoxythymidine triphosphate (dTTP) is one of the four nucleoside triphosphates that are used in the in vivo synthesis of DNA. A nucleoside triphosphate is a molecule type that contains a nucleoside with three phosphates bound to it. It can be used in PCR, RT, qPCR, RT-qPCR, NGS and other molecular biology experiments. The concentration of this product is 100 mM, diluted with ultrapure water as a sodium salt at pH 7.5.
<b>Concentration</b>	100 mM
<b>Components</b>	dTTPs (100 mM each)
<b>Product Name</b>	2'-Deoxythymidine-5'-triphosphate, sodium salt solution
<b>Molecular Formula</b>	$C_{10}H_{14}N_2O_{14}P_3Na_3$
<b>Molecular Weight</b>	548.11
<b>CAS No</b>	27821-54-1
<b>Purity (HPLC)</b>	≥99.0%
<b>pH</b>	7.5±0.2
<b>λ max</b>	260nm±2nm
<b>Properties</b>	Colorless transparent solution
<b>Abs (pH 7.5)</b>	A250/A260 = 0.62-0.68 ; A280/A260 = 0.69-0.79
<b>Storage Temperature</b>	-20°C
<b>Note</b>	Can be diluted using sterile distilled water, preferably Milli-Q® water, or sterile TE (10 mM Tris-HCl, 1 mM EDTA, pH 7.5).
<b>QC Process</b>	Purity is above 99% detected by HPLC. Free of detectable DNA exonuclease and endonuclease. No residual host genomic DNA detected by PCR. Free of RNase activity.

*For Research Use Only.*