

dNTP Mix

(dATP, dCTP, dGTP and dTTP)

Cat. No.	Pack Size	Conc.
02-31-0000S	10 µmol SAMPLE	20 mM of each
02-31-00020	20 µmol	20 mM of each
02-31-00100	100 µmol	20 mM of each

For *in vitro* use only

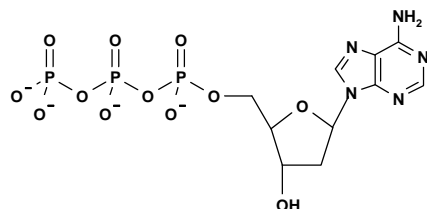
Description:

This ready-to-use mix consists of dATP, dCTP, dGTP and dTTP (each at a final concentration of 20 mM) in TE buffer, within one vial. The total concentration is 80 mM.

dATP

Formula: C₁₀H₁₂N₅O₁₂P₃ (Anion)

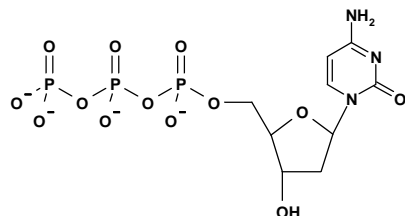
Formula Weight: 487.18 (Anion)



dCTP

Formula: C₉H₁₂N₃O₁₃P₃ (Anion)

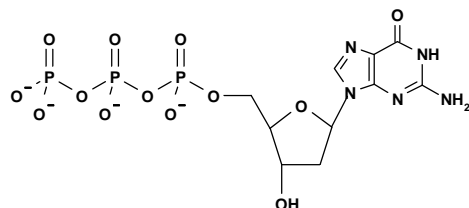
Formula Weight: 463.15 (Anion)



dGTP

Formula: C₁₀H₁₂N₅O₁₃P₃ (Anion)

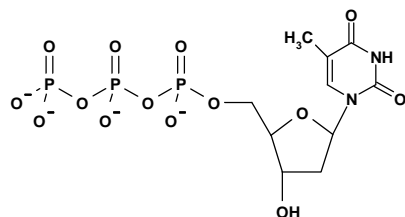
Formula Weight: 503.18 (Anion)



dTTP

Formula: C₁₀H₁₂N₅O₁₃P₃ (Anion)

Formula Weight: 478.16 (Anion)



Applications:

- Suited for a wide range of PCR assays
- cDNA synthesis
- Primer extension
- DNA sequencing
- DNA labeling
- Mutagenesis
- DHPLC

Storage solution:

100 mM solution in TE buffer
(100 mM Tris pH 7.8, 1 mM EDTA)

Purity:

Purity Assay (HPLC): >99%

Shipping and Storage conditions:

Routine storage: -20°C

Shipping and temporary storage for up to 1 month at room temperature has no detrimental effects on the quality of this reagent.

Safety warnings and precautions:

This product and its components should be handled only by persons trained in laboratory techniques. It is advisable to wear suitable protective clothing, such as laboratory overalls, gloves and safety glasses. Care should be taken to avoid contact with skin or eyes. In case of contact with skin or eyes, wash immediately with water.

Some applications this product is used in may require a license which is not provided by the purchase of this product. Users should obtain the license if required

Related products:

Product name	Pack size	Cat. No.
FIREPol[®] DNA Polymerase	500 U	01-01-00500
FIREPol[®] DNA Polymerase	1000 U	01-01-01000
FIREPol[®] DNA Polymerase	2000 U	01-01-02000
HOT FIREPol[®] DNA Polymerase	500 U	01-02-00500
HOT FIREPol[®] DNA Polymerase	1000 U	01-02-01000
5 x FIREPol[®] Master Mix (1.5 mM MgCl₂ final conc.)	250 reactions	04-11-00115
5 x FIREPol[®] Master Mix (2.5 mM MgCl₂ final conc.)	250 reactions	04-11-00125
5 x FIREPol[®] Master Mix Ready to Load (1.5 mM MgCl₂ final conc.)	250 reactions	04-12-00115
5 x FIREPol[®] Master Mix Ready to Load (2.5 mM MgCl₂ final conc.)	250 reactions	04-12-00125
dNTP SET (100 mM)	4 x 25 µmol	02-21-00100
dNTP SET (100 mM)	4 x 100 µmol	02-21-00400