

# Data Sheet

## dNTP Mix

(dATP, dCTP, dGTP and dTTP)

Cat. No.	Pack Size	Conc.
02-31-0001S	0.8 µmol	20 mM of each
02-31-00020	20 µmol	20 mM of each
02-31-00020-5	5 x 20 µmol	20 mM of each
02-31-00020-10	10 x 20 µmol	20 mM of each
02-31-00100	100 µmol	20 mM of each

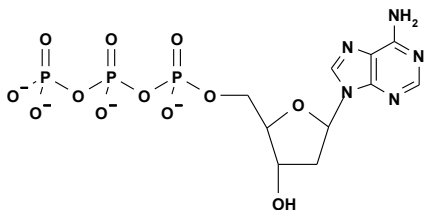
For *in vitro* use only

### 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.

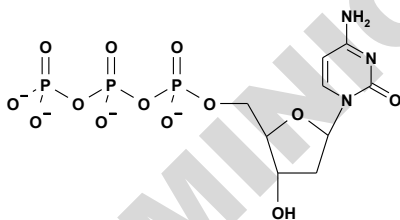
### dATP

Formula: C<sub>10</sub>H<sub>12</sub>N<sub>5</sub>O<sub>12</sub>P<sub>3</sub> (Anion)  
Formula Weight: 487.18 (Anion)



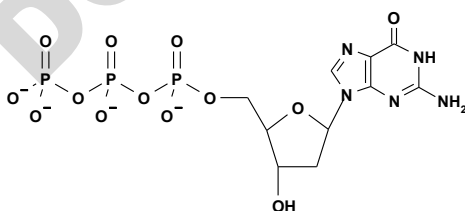
### dCTP

Formula: C<sub>9</sub>H<sub>12</sub>N<sub>3</sub>O<sub>13</sub>P<sub>3</sub> (Anion)  
Formula Weight: 463.15 (Anion)



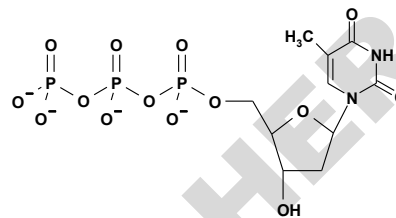
### dGTP

Formula: C<sub>10</sub>H<sub>12</sub>N<sub>5</sub>O<sub>13</sub>P<sub>3</sub> (Anion)  
Formula Weight: 503.18 (Anion)



### dTTP

Formula: C<sub>10</sub>H<sub>12</sub>N<sub>2</sub>O<sub>14</sub>P<sub>3</sub> (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

### Purity:

Purity Assay (HPLC): >99%

### Shipping and Storage conditions:

Routine storage: -18°C to -28°C

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

Manufactured by Solis BioDyne in compliance with the ISO 9001 and ISO 13485 certified Quality Management System.

**FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES.**

**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. Refer to Safety Data Sheet for more information.

**Technical support:**

Contact your sales representative for any questions or send an email to [support@solisbiodyne.com](mailto:support@solisbiodyne.com)

Online chat is available at [www.solisbiodyne.com](http://www.solisbiodyne.com)

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