



genespin

DATA SHEET

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> dNTPs

≥ 99% (HPLC-purified) deoxyribonucleotide triphosphates (dNTPs) meeting high quality standards to give excellent performance in a variety of applications, including: PCR, Sequencing, DNA labeling, nick translation, fill-in, cDNA synthesis, TdT tailing reactions, dilution of radiolabeled dNTPs, and Site-directed mutagenesis.

| cat. no. | amount | conc. |
|--------------|--------|-------|
| STS-dATP 100 | 100ul | 100mM |
| STS-dATP 101 | 1ml | 100mM |

dATP (100 mM) > 98% HPLC

Full Name

2'-deoxyadenosine-5'-triphosphate

Chemical Name

[[[5-[(6-amino-9H-purin-9-yl)]-3-hydroxy-tetrahydrofuran-2-yl]

methoxy-hydroxy-phosphinoyl]oxy-hydroxy-phosphinoyl]

oxyphosphonic acid

Formulation

C10H16N5O12P3

Molecular Weight

491.2

| cat. no. | amount | conc. |
|--------------|--------|-------|
| STS-dTTP 100 | 100ul | 100mM |
| STS-dTTP 101 | 1ml | 100mM |

dGTP (100 mM) > 98% HPLC

Full Name

2'-deoxyguanosine-5'-triphosphate

Chemical Name

[[[5-[(2-amino-6-oxo-1,9-dihydropurin-9-yl)]-3-hydroxy-te-

tetrahydrofuran-2-yl]methoxy-hydroxy-phosphinoyl]oxy-hydroxy-

phosphinoyl]oxyphosphonic acid

Formulation

C10H16N5O13P3

Molecular Weight

507.2

FOR RESEARCH USE ONLY

SHIPPING

Shipped in green ice.

STORAGE

Store at -20°C.

SHELF LIFE

12 months

| cat. no. | amount | conc. |
|--------------|--------|-------|
| STS-dCTP 100 | 100ul | 100mM |
| STS-dCTP 101 | 1ml | 100mM |

dCTP (100 mM) > 98% HPLC

Full Name

2'-deoxycytidine-5'-triphosphate

Chemical Name

[[[5-[(4-amino-2-oxo-1H-pyrimidin-1-yl)]-3-hydroxy-tetrahydro-

furan-2-yl]methoxy-hydroxy-phosphinoyl]oxy-hydroxy-phosphi-

noyl]oxyphosphonic acid

Formulation

C9H16N3O13P3

Molecular Weight

467.1

| cat. no. | amount | conc. |
|--------------|--------|-------|
| STS-dGTP 100 | 100ul | 100mM |
| STS-dGTP 101 | 1ml | 100mM |

dTTP (100 mM) > 98% HPLC

Full Name

2'-deoxythymidine-5'-triphosphate

Chemical Name

[hydroxy-[hydroxy-[[3-hydroxy-5-[(5-methyl-2,4-dioxo-1H-

pyrimidin-1-yl)]tetrahydrofuran-2-yl]methoxy]phosphinoyl]

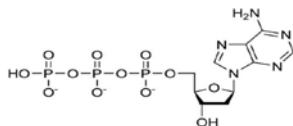
oxy-phosphinoyl]oxyphosphonic acid

Formulation

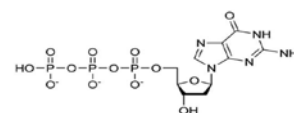
C9H15N2O14P3

Molecular Weight

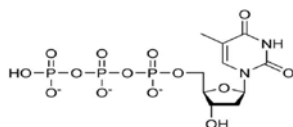
482.1



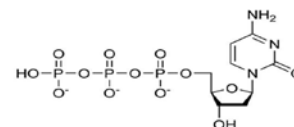
Deoxyadenosine triphosphate (dATP)



Deoxyguanosine triphosphate (dGTP)



Deoxythymidine triphosphate (dTTP)



Deoxycytidine triphosphate (dCTP)