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## DATA QUALITY SHEET

### 2',3'-Didehydro-3'-deoxythymidine-5'-triphosphate (d4T-TP)

FOR RESEARCH USE ONLY

#### Description

2',3'-Didehydro-3'-deoxythymidine-5'-triphosphate (d4T-TP) is analog of thymidine and inhibits the activity of HIV reverse transcriptase by competing with substrate deoxythymidine triphosphate and when incorporated causes termination of DNA chain elongation. Also d4T-TP inhibits cellular DNA polymerase and reduces synthesis of mitochondrial DNA.

#### Delivery form

Sterile water solution of ammonium salt nucleotide. Colorless transparent liquid.

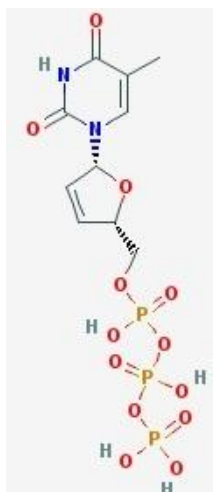
#### Concentration

0.1 M

#### Quality control

- Purity according to HPLC analysis is not less than 96%.
- Product is free of DNases, RNases and phosphatases activities.

#### Structural formula



#### Formula

$C_{10}H_{15}N_2O_{13}P_3$

#### Molecular weight

464.15 g/mol

#### Storage

-20°C. Avoid multiple freezing-thawing.

#### Transportation

The product does not require special conditions of transportation.