

## CERTIFICATE OF ANALYSIS

### Product Information


|                    |   |
|--------------------|---|
| Product Name:      | dTTP (100 mM) $\geq$ 99% HPLC             |
| Cat. No.:          | C01580                                    |
| Lot No.:           | C70071806                                 |
| CAS No:            | 18423-43-3                                |
| MW:                | 548.10                                    |
| Size:              | 10ml                                      |
| Molecular Formula: | $C_{10}H_{14}N_2Na_3O_{14}P_3$            |
| Storage Condition: | Store at $-20^{\circ}C$ to $-70^{\circ}C$ |

### Quality Control

| Test Items                    | Specifications            | Results   |
|-------------------------------|---------------------------|-----------|
| Physical Appearance           | Clear Colorless liquid    | Conformed |
| Concentration                 | $100mM \pm 3\%$           | 99mM      |
| Purity(HPLC)                  | $\geq 99\%$               | 99.5%     |
| $\lambda$ max                 | $267nm \pm 2nm$           | 267nm     |
| Absorbance Rations<br>(pH7.0) | A250/A260 $0.65 \pm 0.03$ | 0.67      |
| pH(22~25 $^{\circ}C$ )        | A280/A260 $0.74 \pm 0.05$ | 0.76      |
|                               | $7.0 \pm 0.1$             | 7.0       |

### Caution:

For laboratory use only. Not for household use. If you have any questions about the Certificate of Analysis, please contact our customer service representative at 1-877-436-7274 (Toll-Free), or 1-732-885-9188.

Certified by:  Date: 06/01/2018  
Product Department