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**Product Data Sheet**

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Product Name: Deoxythymidine-5'-triphosphate trisodium salt

Cat. No.: GC62925

**Chemical Properties**

Cas. No. 27821-54-1

Formula  $C_{10}H_{14}N_2Na_3O_{14}P_3$ 

M.Wt 548.11

Solubility  $H_2O : \geq 250 \text{ mg/mL (456.11 mM)}$ 

Storage

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Deoxythymidine-5'-triphosphate (dTTP) trisodium salt is one of the four natural deoxynucleotides. Deoxythymidine-5'-triphosphate trisodium salt is used for the biosynthesis of deoxyribonucleic acid by DNA polymerase and reverse transcriptase[1].

[1]. Bruce Stillman, et al. Deoxynucleoside triphosphate (dNTP) synthesis and destruction regulate the replication of both cell and virus genomes. Proc Natl Acad Sci U S A. 2013 Aug 27;110(35):14120-1.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA