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## Product Data Sheet

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Product Name: Deoxythymidine-5'-triphosphate sodium hydrate

Cat. No.: GC68964

### Chemical Properties

Cas. No.

Formula  $C_{10}H_{17}N_2O_{14}P_3 \cdot xNa \cdot xH_2O$

M.Wt

Solubility

Storage

Store at -20°C

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) sodium hydrate is one of the four nucleoside triphosphates. Deoxythymidine-5'-triphosphate trisodium salt is used in the synthesis of DNA<sup>[1]</sup>.

[1]. Stillman B. Deoxynucleoside triphosphate (dNTP) synthesis and destruction regulate the replication of both cell and virus genomes. Proc Natl Acad Sci U S A. 2013;110(35):14120-14121.

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

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