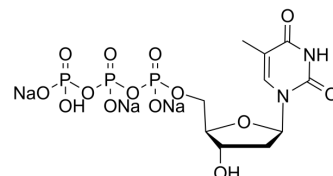


Deoxythymidine-5'-triphosphate trisodium

Cat. No.:	HY-W013715A
CAS No.:	27821-54-1
Molecular Formula:	C ₁₀ H ₁₄ N ₂ Na ₃ O ₁₄ P ₃
Molecular Weight:	548
Target:	DNA/RNA Synthesis; Endogenous Metabolite; Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease
Storage:	Solution, -20°C, 2 years



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : ≥ 250 mg/mL (456.20 mM) * "≥" means soluble, but saturation unknown.
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BIOLOGICAL ACTIVITY

Description	Deoxythymidine-5'-triphosphate (dTTP) trisodium is one of the four nucleoside triphosphates used in the synthesis of DNA ^[1] .
IC ₅₀ & Target	Human Endogenous Metabolite

REFERENCES

[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: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA