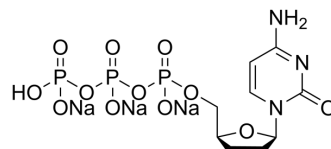


ddCTP trisodium

Cat. No.:	HY-137697D
Molecular Formula:	C ₉ H ₁₃ N ₃ Na ₃ O ₁₂ P ₃
Molecular Weight:	517.1
Target:	DNA/RNA Synthesis; HIV Protease
Pathway:	Cell Cycle/DNA Damage; Anti-infection; Metabolic Enzyme/Protease
Storage:	Solution, -20°C, 2 years



BIOLOGICAL ACTIVITY

Description

ddCTP trisodium is one of 2',3'-dideoxyribonucleoside 5'-triphosphates (ddNTPs) that acts as chain-elongating inhibitor of DNA polymerase for DNA sequencing. ddCTP trisodium is a nucleoside analog that targets the reverse transcriptase of human immunodeficiency virus (HIV). ddCTP trisodium can be used for AIDS research^{[1][2]}.

REFERENCES

- [1]. Z G Chidgeavadze, et al. 3'-Fluoro-2',3'-dideoxyribonucleoside 5'-triphosphates: terminators of DNA synthesis. FEBS Lett. 1985 Apr 22;183(2):275-8.
- [2]. Pelletier H, et al. Structures of ternary complexes of rat DNA polymerase beta, a DNA template-primer, and ddCTP. Science. 1994 Jun 24;264(5167):1891-903.

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

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