



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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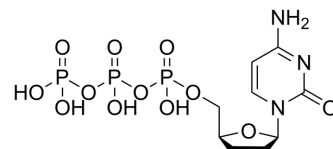
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ddCTP

Cat. No.:	HY-137697
CAS No.:	66004-77-1
Molecular Formula:	C ₉ H ₁₆ N ₃ O ₁₂ P ₃
Molecular Weight:	451.16
Target:	DNA/RNA Synthesis; HIV Protease
Pathway:	Cell Cycle/DNA Damage; Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

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

REFERENCES

- [1]. 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.
- [2]. 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.

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

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