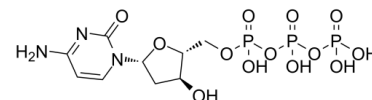


Data Sheet

Product Name:	Deoxycytidine triphosphate
Cat. No.:	CS-6402
CAS No.:	2056-98-6
Molecular Formula:	C ₉ H ₁₆ N ₃ O ₁₃ P ₃
Molecular Weight:	467.16
Target:	DNA/RNA Synthesis; Endogenous Metabolite; Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease
Solubility:	H ₂ O : ≥ 35 mg/mL (74.92 mM)



BIOLOGICAL ACTIVITY:

Deoxycytidine triphosphate (dCTP), a nucleoside triphosphate, is a raw material in DNA synthesis. Deoxycytidine triphosphate has many applications, such as real-time PCR, cDNA synthesis, and DNA sequencing.

CAIndexNames:

Cytidine 5'-(tetrahydrogen triphosphate), 2'-deoxy-

SMILES:

O[C@@H](C[C@H](N1C(N=C(C=C1)N)=O)O2)[C@H]2COP(O)(OP(O)(O)=O)(O)=O

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

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