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**Product Data Sheet**

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Product Name: Deoxycytidine triphosphate (dCTP)

Cat. No.: GC34123

**Chemical Properties**

Cas. No. 2056-98-6

SMILES O[C@@H](C[C@H](N1C(N=C(C=C1)N)=O)O2)[C@H]2COP(O)(OP(OP(O)(O)=O)(O)=O)=OFormula  $C_9H_{16}N_3O_{13}P_3$  M.Wt 467.16Solubility Water :  $\geq 35$  mg/mL (74.92 mM) Storage Store at  $-20^\circ\text{C}$ 

General tips For obtaining a higher solubility , please warm the tube at  $37^\circ\text{C}$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^\circ\text{C}$  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**

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.

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

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