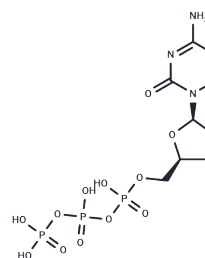


## ddCTP

## Chemical Properties

CAS No. :	66004-77-1
Formula:	C <sub>9</sub> H <sub>16</sub> N <sub>3</sub> O <sub>12</sub> P <sub>3</sub>
Molecular Weight:	451.157
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	ddCTP, one of the 2',3'-dideoxyribonucleoside 5'-triphosphates (ddNTPs), functions as a chain-elongating inhibitor of DNA polymerase for DNA sequencing.
Targets(IC50)	Others,HIV Protease,DNA/RNA Synthesis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2165 mL	11.0825 mL	22.1651 mL
5 mM	0.4433 mL	2.2165 mL	4.433 mL
10 mM	0.2217 mL	1.1083 mL	2.2165 mL
50 mM	0.0443 mL	0.2217 mL	0.4433 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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