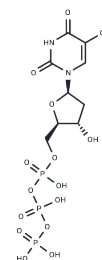


Deoxythymidine-5'-triphosphate

Chemical Properties

CAS No. :	365-08-2
Formula:	C ₁₀ H ₁₇ N ₂ O ₁₄ P ₃
Molecular Weight:	482.167
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	Deoxythymidine-5'-triphosphate (dTTP) is a nucleoside triphosphate essential for DNA synthesis.
Targets(IC50)	Nucleoside Antimetabolite/Analog,Others,Endogenous Metabolite,DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.074 mL	10.3698 mL	20.7396 mL
5 mM	0.4148 mL	2.074 mL	4.1479 mL
10 mM	0.2074 mL	1.037 mL	2.074 mL
50 mM	0.0415 mL	0.2074 mL	0.4148 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

Tattersall MH, et al. Deoxyribonucleoside triphosphates in human cells: changes in disease and following exposure to drugs. Eur J Clin Invest. 1975;5(2):191-202.

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