

## Deoxythymidine triphosphate

## Chemical Properties

CAS No. :	18423-43-3
Formula:	C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> NaO <sub>14</sub> P <sub>3</sub>
Molecular Weight:	504.15
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 triphosphate (dTTP) is one of the four nucleoside triphosphates that are used in the in vivo synthesis of DNA.
Targets(IC50)	DNA/RNA Synthesis

## Solubility Information

Solubility	DMSO: Slightly soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9835 mL	9.9177 mL	19.8354 mL
5 mM	0.3967 mL	1.9835 mL	3.9671 mL
10 mM	0.1984 mL	0.9918 mL	1.9835 mL
50 mM	0.0397 mL	0.1984 mL	0.3967 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.

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