

Product Name : Deoxythymidine triphosphate

Synonyms : —

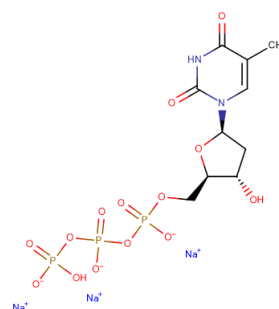
Cat No. : M12846

CAS Number : 18423-43-3

Molecular Formula : C₁₀H₁₇N₂O₁₃P₃

Formula Weight : 466.17

Chemical Name : —



Description : Deoxythymidine triphosphate (dTTP) is one of the four nucleoside triphosphates that are used in the in vivo synthesis of DNA. Unlike the other deoxyribonucleotide triphosphates, thymidine triphosphate does not contain the "deoxy" prefix in its name.

Pathway : Cell Cycle/DNA Damage

Target : DNA/RNA Synthesis

Receptor : DNA/RNA Synthesis

Solubility : DMSO: 10 mM

SMILES : CC1=CN(C(=O)NC1=O)[C@H]2C[C@@H]([C@H](O2)COP(=O)([O-])OP(=O)([O-])OP(=O)([O-])O.[Na+].[Na+].[Na+])

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Pence MG, et al. J Biol Chem. 2010 Dec 24;285(52):40666-72.