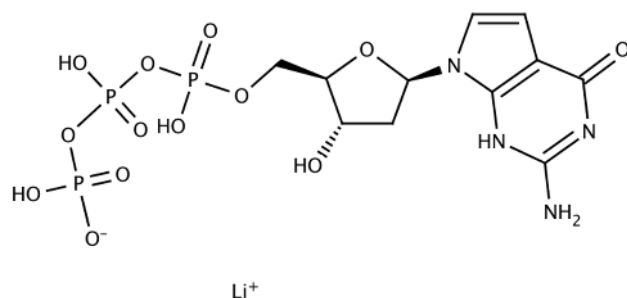


Description: 7-deaza-dGTP (7-deaza-2'-deoxyguanosine 5'-triphosphate, dilithium salt) may be effectively incorporated into the DNA by DNA polymerases and/or terminal deoxynucleotidyl-transferase. 7-deaza-dGTP - containing DNA duplexes demonstrate increased stability and penetrates the cell membrane more effectively.

Ref No.	508105	color
7-deaza-dGTP, 50 mM	40 µL	transparent
Datasheet	1	--

Application: 7-deaza dGTP is used in sequencing for the resolution of the compressions in G-C-rich regions. Amplification of some DNA regions is often hindered due to the high G-C content. Replacement of dGTP to 7-deaza dGTP in the master mix may solve the problems.



Concentration: 50 mM

Quality control:

- HPLC analysis
- NMR analysis (inorganic phosphates)
- Exo-endonucleases contamination test
- UV-spectral analysis
- Spectrophotometry

Storage: -20°C