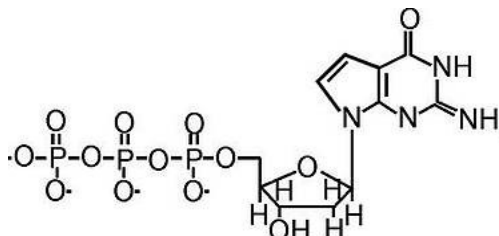


7-deaza-dGTP

Product Description

Name :	7-deaza-dGTP
Catalog Number :	FP-A12930, 2 µmol
Concentration:	50-100 mM
Formula:	C ₁₁ H ₁₇ N ₄ O ₁₃ P ₃
MW:	506,2
Purity :	>97% (HPLC)



Storage: -20°C . Stable for at least one year. Protect from light and moisture

Introduction

7-deaza-dGTP may be effectively incorporated into the DNA by DNA polymerases and/or terminal deoxynucleotidyltransferase. 7-deaza-dG - containing DNA duplexes demonstrate increased stability, 7-deaza-dG - containing DNA penetrates cell membrane more effectively due to the increased lypophility.

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

Directions for use

Directions for Use

Instructions may be found in the litterature.

References

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- **Burlet P. et al.**, Multiple displacement amplification improves PGD for fragile X syndrome, *Mol. Hum. Reprod.*; 12: 647 – 652 (2006)
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- **Damerval C. et al.**, Diversity and Evolution of CYCLOIDEA-Like TCP Genes in Relation to Flower Development in Papaveraceae, *Plant Physiology* 143:759-772 (2007) [Article](#)
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- **Li S. et al.**, Elimination of band compression in sequencing gels by the use of N4-methyl-2'-deoxycytidine 5'-triphosphate, *Nucleic Acids Res.*, 21: 2709 – 2714 (1993)

Related / associated products and documents

See [BioSciences Innovations catalogue](#) and [e-search tool](#).

- dNTP Set 1 (dATP, dGTP, dCTP, dTTP), 100mM, [968641](#)
- UptiTherm DNA Polymerase, [S53921](#)
- AMV reverse transcriptase, [N14051](#)
- ddCTP-Li4 (1 µmol in solution), [637520](#)
- A.C.E. Sequencing Buffer 10X, [Q04890](#)

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Rev.H10E