

DATA QUALITY SHEET



7-deaza-dGTP

7-deaza-2'-deoxyguanosine-5'-triphosphate

FOR RESEARCH USE ONLY

Cat. GC-013-016

DESCRIPTION

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 lipophilicity.

7-deaza dGTP may be 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

10 mM

STORAGE

-20°C

PURITY

96 – 99 % according to HPLC analysis.

PACK SIZE

100 µl (1 µmol)

FUNCTIONAL ANALYSIS

Tested functionally in a unit activity test.