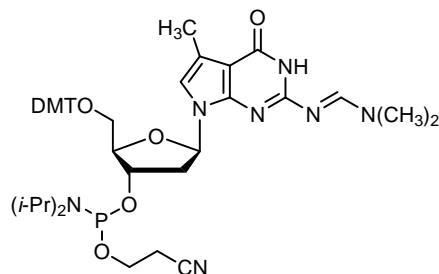


7-Deaza-7-methyl-2'-dG CEP

Product No. BA 0370

Product Information



C₄₅H₅₆N₇O₇P
Mol. Wt.: 837.94

We now offer 7-Deaza-7-methyl-2'-dG CEP (BA 0370) as a tool for investigating the impact of steric variations related to the guanine scaffold. Seela and co-workers have shown that oligonucleotides containing 7-deaza-7-methylguanine are stabilized compared to those containing the unmethylated 7-deaza guanine. They have also shown greater stability against 5'-exonucleases for oligos containing 7-deaza-7-methylguanine.

Use In Oligo Synthesis: Dissolve the phosphoramidite in acetonitrile at concentrations recommended by the synthesizer manufacturer. Coupling should be carried out using standard instrument protocols, and extended coupling times are not required. Cleavage from the solid support can be carried out under standard conditions.

Reference

- 1) Seela, F.; Chen, Y. *Helvetica Chimica Acta* **1997**, 80, 1073-1086.