



Product Specifications

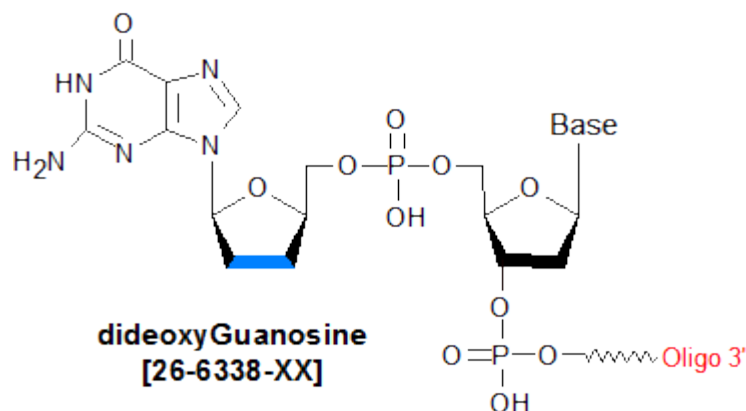
Custom Oligo Synthesis, antisense oligos, RNA oligos, chimeric oligos, Fluorescent dyes, Affinity Ligands, Spacers & Linkers, Duplex Stabilizers, Minor bases, labeled oligos, Molecular Beacons, siRNA, phosphonates Locked Nucleic Acids (LNA); 2'-5' linked Oligos

Oligo Modifications

For research use only. Not for use in diagnostic procedures for clinical purposes.

ddG-5'

Category	End Blockers
Modification Code	ddG-5
Reference Catalog Number	26-6338
5 Prime	Y
3 Prime	N
Internal	N
Molecular Weight(mw)	313.2



Dideoxyguanosine (ddG) is a dideoxyribonucleoside that can only be used to block the 5' end. Use ddC-3' or Spacer C3 to block the 3' end from polymerase extension. ddG is a synthetic analog of deoxyguanosine, in ddG, both the 2'- and 3'-positions of the ribose have a hydrogen (-H) group substituted for the -OH group, whereas in dG, only the 2'-position is so substituted. ddG is added to the 5'-end of an oligo via 5'-to-5' synthesis, using a 2',3'-ddG, 5'-phosphoramidite. Purification must be by PAGE purification, since such an oligo will not have a trityl group (necessary for RPC purification).

ddC-3' should be used as a 3'-end blocking moiety (see ddC technical sheet).