



## Product Specifications

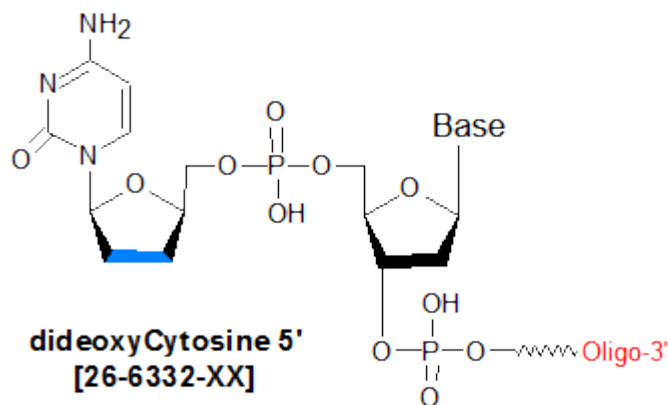
Custom Oligo Synthesis, antisense oligos, RNA oligos, chimeric oligos, Fluorescent dyes, Affinity Ligands, Spacers & Linkers, Duplex Stabilizers, Minor bases, labeled oligos, Molecular Beacons, siRNA, phosphonates Locked Nucleic Acids (LNA); 2'-5' linked Oligos

## Oligo Modifications

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

### ddC-5'

Category	End Blockers
Modification Code	5ddC
Reference Catalog Number	26-6332
5 Prime	Y
3 Prime	N
Internal	N
Molecular Weight(mw)	273.18



Dideoxycytosine-5' (ddC-5') 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. ddC-5' is a synthetic analog of deoxyguanosine, in ddC-5', both the 2'- and 3'-positions of the ribose have a hydrogen (-H) group substituted for the -OH group, whereas in dC, only the 2'-position is so substituted. ddC-5' is added to the 5'-end of an oligo via 5'-to-5' synthesis, using a 2',3'-ddC, 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).