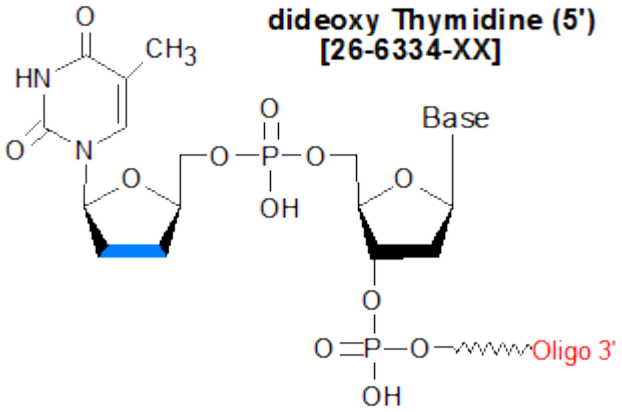
Oligo Modifications

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

ddT-5'

Category	End Blockers
Modification Code	ddT-5
Reference Catalog Number	26-6334
5 Prime	Y
3 Prime	N
Internal	N
Molecular Weight(mw)	288.19



Dideoxythymidine (ddT) 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. ddT is a synthetic analog of deoxythymidine, in ddT, both the 2'- and 3'-positions of the ribose have a hydrogen (-H) group substituted for the -OH group, whereas in dT, only the 2'-position is so substituted. ddT is added to the 5'-end of an oligo via 5'-to-5' synthesis, using a 2',3' -ddT, 5' phosphoramidite. Purification must be by PAGE purification, since such an oligo will not have a trityl group that is required for RPC purification.

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