Product Specifications

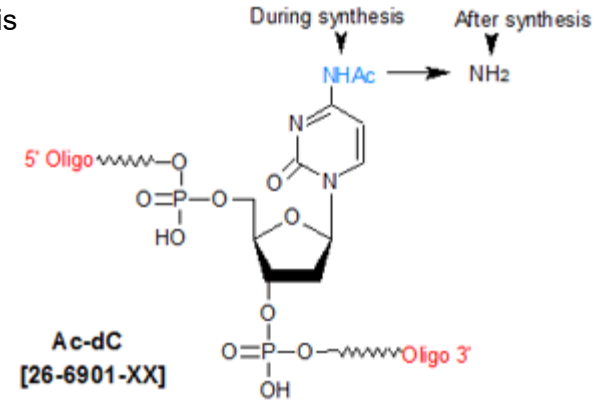
Custom Oligo Synthesis, antisense oligos, RNA oligos, chimeric oligos, Fluorescent dyes, Affinity Ligands, Spacers & Linkers, Duplex Stabilizers, Minor bases, labeled oligos, Molecular Beacons, siRNA, phosphonates Locked Nucleic Acids (LNA); 2′-5′ linked Oligos

Oligo Modifications

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

Ac-dC

Category	DNA Oligo Synthesis
Modification Code	Ac-dC
Reference Catalog Number	26-6901
5 Prime	Y
3 Prime	Y
Internal	Y
Molecular Weight(mw)	289.18



Acetyldeoxycytosine (Ac-dC) is a pyrimidine deoxynucleoside, in which the exocyclic amino group is protected with the Ac group during oligonucleotide synthesis. Use of the Ac-dC phosphoramidite is sometimes necessary when chemically synthesizing a labeled oligonucleotide in which the label moiety is not stable to the highly alkaline conditions required for removal of the base protecting groups on the standard dA, dC and dG monomers. Examples of such labels include TAMRA, Cy5 and HEX. When such is the case, Ac-dC is used in conjunction with Pac-dA (cat# 26-6899) and iPr-Pac-dG (cat# 26-6900) during synthesis, as their base protecting groups can be removed under significantly milder conditions, conditions that do not degrade the label.