Product Specifications

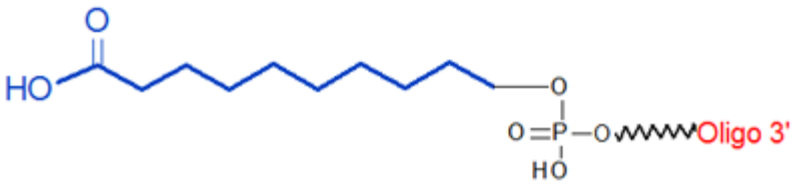
Custom Oligo Synthesis, antisense oligos, RNA oligos, chimeric oligos, Fluorescent dyes, Affinity Ligands, Spacers & Linkers, Duplex Stabilizers, Minor bases, labeled oligos, Molecular Beacons, siRNA, phosphonates Locked Nucleic Acids (LNA); 2′-5′ linked Oligos

Oligo Modifications

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

Carboxy-C10

Category	Conjugation Chemistry
Modification Code	CO-C10
Reference Catalog Number	26-6717
5 Prime	Y
3 Prime	N
Internal	N
Molecular Weight(mw)	250.23



Carboxy C10 5'

[26-6717-XX]

5'-Carboxy-Modifier C10 can be used to incorporate an active carboxyl group onto the 5'-end of an oligonucleotide. The carboxyl group is separated from the 5'-end nucleotide base by a 10-carbon spacer arm to minimize steric interaction between the reactive group and the oligo. The presence of the carboxyl group allows the user to 5'-end label the oligo with a variety of different affinity, reporter or protein moieties (as primary amines/thiols or maleimides), depending on the application. Examples include biotin, digoxigenin, fluorescent dyes or quenchers, and enzymes (for example, alkaline phosphatase).

Free Carboxy C10 is supplied as completely deprotected oligo with free carboxyl group ready for conjugation to the selection of functional groups that reacts with carboxyl group.