Product Specifications

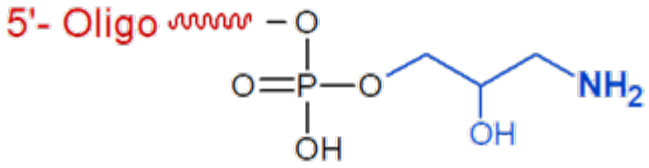
Custom Oligo Synthesis, antisense oligos, RNA oligos, chimeric oligos, Fluorescent dyes, Affinity Ligands, Spacers & Linkers, Duplex Stabilizers, Minor bases, labeled oligos, Molecular Beacons, siRNA, phosphonates Locked Nucleic Acids (LNA); 2′-5′ linked Oligos

Oligo Modifications

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

Amino C3-3'

Category	Conjugation Chemistry
Modification Code	AmC3-3
Reference Catalog Number	26-6405T
5 Prime	N
3 Prime	Y
Internal	N
Molecular Weight(mw)	153.07



Amino C3-3'

[26-6405T-XX]

This Amino Linker C3 is for incorporation of an active amino group to the 3' of an oligo. Gene Link has other amino linker C3 that can be used to incorporate an active primary amino group at any site of an oligonucleotide; 5', internal or 3' or multiple sites of the same oligo. The amino group is separated from the end nucleotide base by a 3-carbon spacer arm to reduce steric interaction between the amino group and the oligo.
The presence of the primary amino group allows the user to label the oligo with a variety of different ligands for affinity, reporter or protein moieties (as NHS esters or isothiocyanates), depending on the application. Examples include biotin, digoxigenin, and fluorescent dyes or quenchers, magnetic beads and enzymes (for example, alkaline phosphatase).

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The primary amine labelled oligos can also be conjugated to carboxyl functional groups usually for solid supports applications using EDC mediated reaction as shown in the figure below.