



Product Specifications

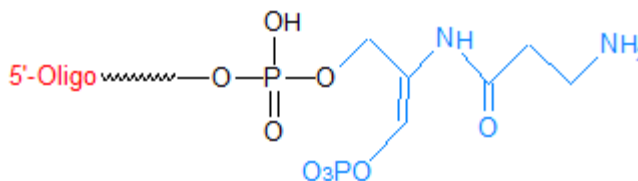
Custom Oligo Synthesis, antisense oligos, RNA oligos, chimeric oligos, Fluorescent dyes, Affinity Ligands, Spacers & Linkers, Duplex Stabilizers, Minor bases, labeled oligos, Molecular Beacons, siRNA, phosphonates Locked Nucleic Acids (LNA); 2'-5' linked Oligos

Oligo Modifications

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

Amino Serinol

Category	Conjugation Chemistry & End Modifiers
Modification Code	AmSr
Reference Catalog Number	26-6715
5 Prime	Y
3 Prime	Y
Internal	Y
Molecular Weight(mw)	224.15



Amino Modifier Serinol
[26-6715-XX]

Amino-Modifier Serinol can be used to add amino groups at the 5' end or at the 3' end of long oligos that require CPG with pore size of greater than 1000 Angstrom that are not available. The synthesis is started with a T 3000 Angstrom base CPG followed amino serinol coupling with synthesis continued till the 5'-end. Upon deprotection the 3'-T base is automatically removed leaving a primary amino group.

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.

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