Product Specifications

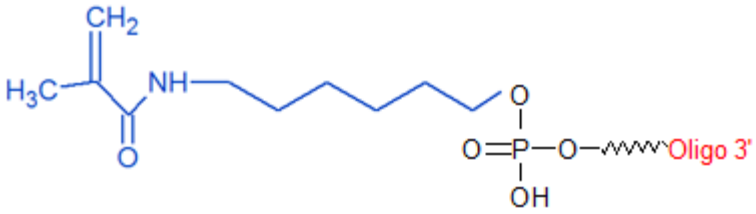
Custom Oligo Synthesis, antisense oligos, RNA oligos, chimeric oligos, Fluorescent dyes, Affinity Ligands, Spacers & Linkers, Duplex Stabilizers, Minor bases, labeled oligos, Molecular Beacons, siRNA, phosphonates Locked Nucleic Acids (LNA); 2′-5′ linked Oligos

Oligo Modifications

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

Acrydite 5'

Category	Others
Modification Code	5Acryd
Reference Catalog Number	26-6999
5 Prime	Y
3 Prime	N
Internal	N
Molecular Weight(mw)	248.24



Acrydite is a modification that allows the synthesis of oligonucleotides with a methacryl group at the 5' end. Acryl oligonucleotides have been tested, but the acryl group is not stable to storage. Acrydite modified oligonucleotides can react with nucleophiles such as thiols (Michael addition chemistry), this forms the basis of the ez-rays chemistry which was used for microarrays. More importantly, Acrydite modified oligonucleotides can be incorporated, stoichiometrically, into hydrogels such as polyacrylamide, using standard free radical polymerization chemistry, where the double bond in the Acrydite group reacts with other activated double bond containing compounds such as acrylamide.