



Product Specifications

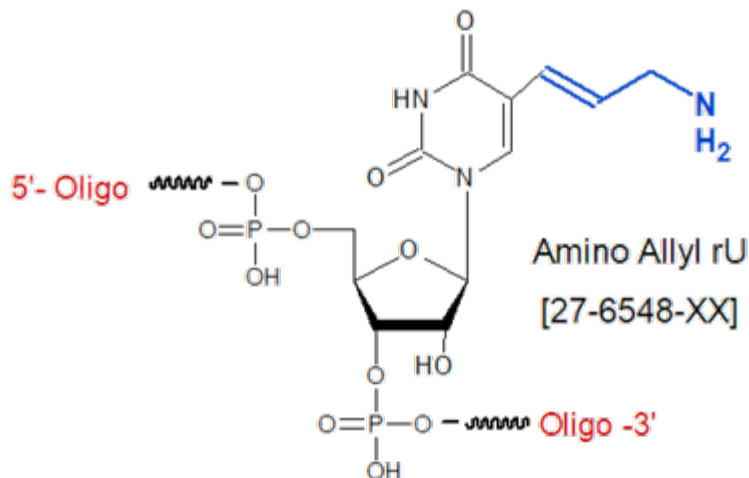
Custom Oligo Synthesis, antisense oligos, RNA oligos, chimeric oligos, Fluorescent dyes, Affinity Ligands, Spacers & Linkers, Duplex Stabilizers, Minor bases, labeled oligos, Molecular Beacons, siRNA, phosphonates Locked Nucleic Acids (LNA); 2'-5' linked Oligos

Oligo Modifications

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

Amino Allyl rU

Category	Others
Modification Code	AmAll-rU
Reference Catalog Number	27-6548
5 Prime	Y
3 Prime	Y
Internal	Y
Molecular Weight(mw)	363.79



Aminoallyl-dU and rU can be incorporated in custom oligos at any position. The aminoallyl base is similar to dUTP that is enzymatically incorporated into DNA with Reverse Transcriptases, Taq DNA polymerase, phi29 DNA Polymerase, Klenow Fragment, Klenow Fragment, exo- and DNA Polymerase I.

The custom oligos containing aminoallyl modifications can be similarly used to label with amino reactive NHS fluorescent dye, biotin or hapten. The custom oligos can be used as primers for PCR, reverse transcription, nick translation and any other similar application.

Gene Link specializes in the synthesis of long oligos up to 250mer; these oligos with multiple internal sites of aminoallyl modification subsequently labelled with appropriate dyes can be used for FISH as probes, multicolor FISH and comparative genome hybridization (CGH), dot blots and microarray applications.

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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.