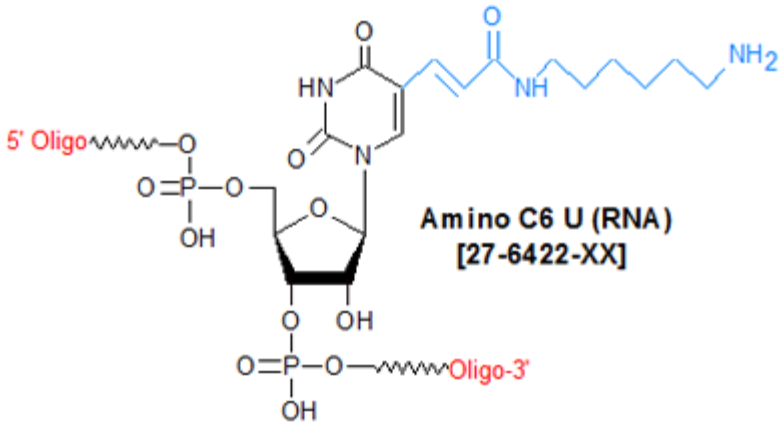
Amino C6 U

Category	Minor Bases
Modification Code	AmC6U
Reference Catalog Number	27-6422
5 Prime	Y
3 Prime	Y
Internal	Y
Molecular Weight(mw)	474.4



Amino C6-U can be used to internally incorporate an active primary amino group into either an RNA oligonucleotide or a chimeric 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.