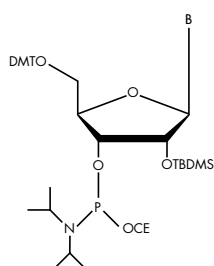
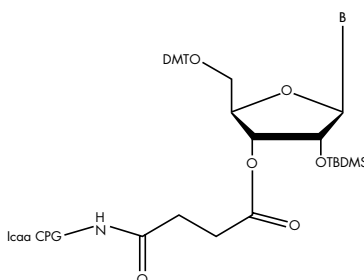


IsomerFree™ RNA AMIDITES AND SUPPORTS: CONVENTIONAL (3' → 5' OLIGONUCLEOTIDE SYNTHESIS)



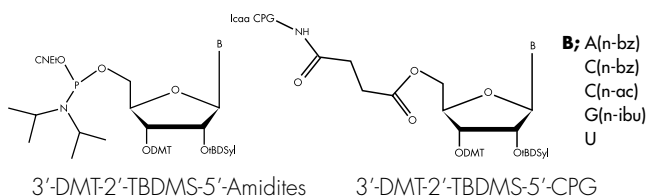
B; Adenosine (n-bz)
Cytidine (n-bz)
Guanosine (n-ibu)
Uridine
Cytidine (n-acetyl)



B; Adenosine (n-bz)
Cytidine (n-bz)
Guanosine (n-ibu)
Uridine
Cytidine (n-acetyl)

RNA SYNTHESIS IN REVERSE DIRECTION (5' → 3' -END)

- Coupling efficiency per step is very high (~99%).
Results in Ultrapure RNA.
- Highly suitable for:
Attachment of 3'-Cholesterol using cholesterol amidites
Attachment of 3'-PEGS using PEG amidites
- Ideal for introducing lipophilic modifications & delivery reagents to the 3'-end of RNA oligonucleotides.
- A Number of applications are possible for easy attachment at the 3'-end of an oligonucleotide.
- Produced with an HPLC purity of greater than 98% and 31P NMR purity greater than 99%.
- Leads to smooth 3'-conjugation of macromolecules to Synthetic RNA.
- Reverse RNA synthesis results in complete absence of M + 1 species.



B; A(n-bz)
C(n-bz)
C(n-ac)
G(n-ibu)
U

B	Protection	Catalog #
A	n-bz	ANP-3401 (Amidite) N-6201 (CPG)
C	n-bz	ANP-3402 (amidite) N-6202 (CPG)
G	n-ibu	ANP-3403 (amidite) N-6203 (CPG)
U	n/a	ANP-3404 (amidite) N-6204 (CPG)
C	n-ac	ANP-3405 (amidite) N-6204 (CPG)

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