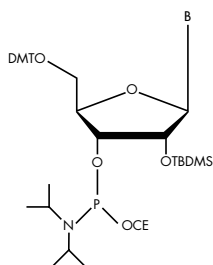
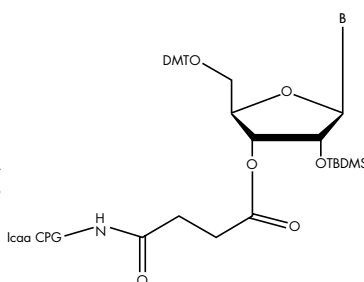


## IsomerFree™ RNA AMIDITES AND SUPPORTS: CONVENTIONAL (3' → 5' OLIGONUCLEOTIDE SYNTHESIS)



5'-DMT-2'-TBDMS-3'-Amidites

<b>B;</b>	Adenosine (n-bz)	<b>Catalog #</b>	ANP - 5671
	Cytidine (n-bz)		ANP - 5672
	Guanosine (n-ibu)		ANP - 5673
	Uridine		ANP - 5674
	Cytidine (n-ac)		ANP - 6676

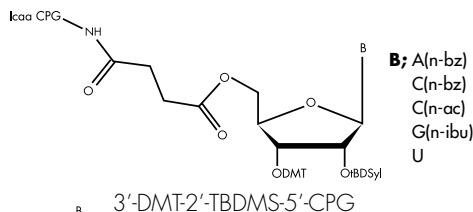


5'-DMT-2'-TBDMS-3'-CPG

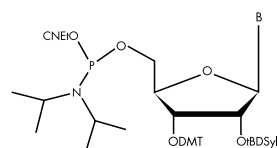
<b>B;</b>	Adenosine (n-bz)	<b>Catalog #</b>	N - 6101
	Cytidine (n-bz)		N - 6102
	Guanosine (n-ibu)		N - 6103
	Uridine		N - 6104
	Cytidine (n-ac)		N - 6106

## 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.



3'-DMT-2'-TBDMS-5'-CPG



3'-DMT-2'-TBDMS-5'-Amidites

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

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

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