

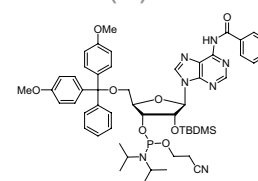
RNA Phosphoramidites

With Standard Base Protective Groups

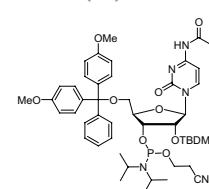


SAFC Proligo® Reagents has enlarged its portfolio of RNA phosphoramidite products with standard protected monomers (“Standard RNA Amidites”). These new monomers complement the existing line of TAC-protected RNA amidites, allowing the choice between using standard synthesis protocols or fast deprotection chemistries.

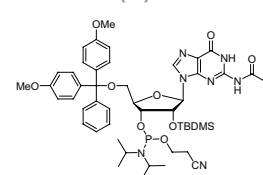
rA(bz) Amidite



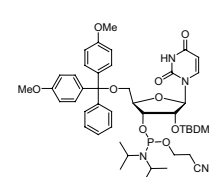
rC(ac) Amidite



rG(ib) Amidite



rU Amidite



Key Features of Standard RNA Amidites

- Industry standard 2'-TBDMS protective group
- Lot-to-lot consistent purity and performance
- Compatible with deprotection methods based on methylamine or AMA
- Standard RNA Amidites provide excellent coupling results when used together with ETT or BTT as activator; best results are obtained with Activator 42™ 1
- Capping with standard acetic anhydride capping reagent rather than with Fast Deprotection Cap A
- Manufactured under a certified ISO 9001 quality system



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Analytical Specifications of Standard RNA Amidites

Test	rA(bz)	rC(ac)	rG(ib)	rU
Reverse Phase HPLC	≥ 98.0%	≥ 98.0%	≥ 98.0%	≥ 98.0%
³¹ P-NMR	≥ 98%	≥ 98%	≥ 98%	≥ 98%
³¹ P-NMR P(III) Impurities at 145-155ppm	≤ 0.5%	≤ 0.5%	≤ 0.5%	≤ 0.5%

Product Information

RNA Phosphoramidites

Compatible with Expedite™ and Polygen™ Instruments

Product No.	Description	Unit
A211081-01	DMT-2'O-TBDMS-rA(bz) Amidite	1 x 0.5g
C213081-01	DMT-2'O-TBDMS-rC(ac) Amidite	1 x 0.5g
G211081-01	DMT-2'O-TBDMS-rG(ib) Amidite	1 x 0.5g
U211081-01	DMT-2'O-TBDMS-rU Amidite	1 x 0.5g

Compatible with ABI™ Instruments

A211031-01	DMT-2'O-TBDMS-rA(bz) Amidite	1 x 0.5g
C213031-01	DMT-2'O-TBDMS-rC(ac) Amidite	1 x 0.5g
G211031-01	DMT-2'O-TBDMS-rG(ib) Amidite	1 x 0.5g
U211031-01	DMT-2'O-TBDMS-rU Amidite	1 x 0.5g

Other quantities and custom packaging are available upon request.

¹ Activator 42 = 5-(3,5-Bis(trifluoromethyl)phenyl)-1H-tetrazole, a very powerful activator for RNA- and DNA phosphoramidites, commercially available through SAFC Proligo® Reagents



SAFC

Supply Solutions™

Inspiring Science

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