

# Product Information

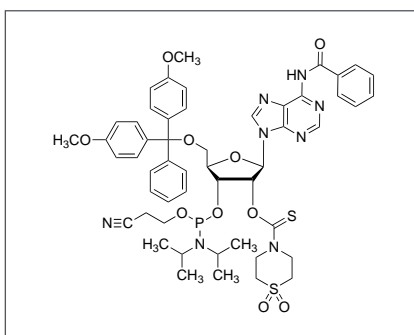
## TC RNA Phosphoramidites

### Introduction

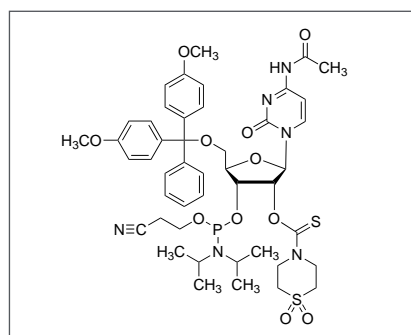
SAFC extends its robust Proligo® Reagents portfolio with the new TC RNA Phosphoramidite product line. Developed by Agilent Technologies and distributed through SAFC, these highly regarded, innovative monomers allow for faster, more efficient RNA based oligo manufacturing and the potential to build longer RNA oligos (>100 bases). TC RNA Phosphoramidites streamline the deprotection process resulting in consistently high quality products, offering time and cost savings.

### Key features and benefits

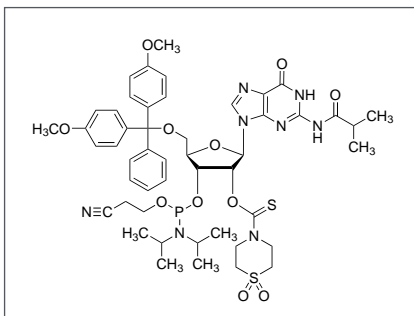
- Reduced coupling times
- Improved coupling efficiency
- Single step downstream process with neat Ethylenediamine (EDA)
- Cleavage and deprotection within two hours at ambient temperature
- Desalting of oligos not required
- Allows for manufacturing of long RNA oligomers
- High yields of final oligo
- Next day RNA oligo delivery



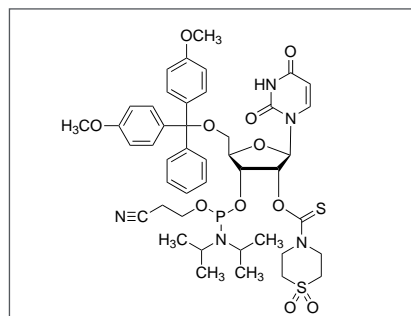
**DMT-2'O-TC-rA(bz) Phosphoramidite**



**DMT-2'O-TC-rC(ac) Phosphoramidite**



**DMT-2'O-TC-rG(ib) Phosphoramidite**



**DMT-2'O-TC-rU Phosphoramidite**

**SAFC® Proligo® Reagents offers complementary fillings for many commercial synthesizers**

Material number	Description	Units
<b>Compatible with ABI™/ÅKTA®</b>		
A211630-0.5G	DMT-2'O-TC-rA(bz) Phosphoramidite	1 x 0.5 g
C213630-0.5G	DMT-2'O-TC-rC(ac) Phosphoramidite	1 x 0.5 g
G211630-0.5G	DMT-2'O-TC-rG(ib) Phosphoramidite	1 x 0.5 g
U211630-0.5G	DMT-2'O-TC-rU Phosphoramidite	1 x 0.5 g
A211630-1G	DMT-2'O-TC-rA(bz) Phosphoramidite	1 x 1 g
C213630-1G	DMT-2'O-TC-rC(ac) Phosphoramidite	1 x 1 g
G211630-1G	DMT-2'O-TC-rG(ib) Phosphoramidite	1 x 1 g
U211630-1G	DMT-2'O-TC-rU Phosphoramidite	1 x 1 g
<b>Compatible with Expedite™</b>		
A211680-0.5G	DMT-2'O-TC-rA(bz) Phosphoramidite	1 x 0.5 g
C213680-0.5G	DMT-2'O-TC-rC(ac) Phosphoramidite	1 x 0.5 g
G211680-0.5G	DMT-2'O-TC-rG(ib) Phosphoramidite	1 x 0.5 g
U211680-0.5G	DMT-2'O-TC-rU Phosphoramidite	1 x 0.5 g
A211680-1G	DMT-2'O-TC-rA(bz) Phosphoramidite	1 x 1 g
C213680-1G	DMT-2'O-TC-rC(ac) Phosphoramidite	1 x 1 g
G211680-1G	DMT-2'O-TC-rG(ib) Phosphoramidite	1 x 1 g
U211680-1G	DMT-2'O-TC-rU Phosphoramidite	1 x 1 g
<b>Compatible with MerMade</b>		
A211640-1G	DMT-2'O-TC-rA(bz) Phosphoramidite	1 x 1 g
C213640-1G	DMT-2'O-TC-rC(ac) Phosphoramidite	1 x 1 g
G211640-1G	DMT-2'O-TC-rG(ib) Phosphoramidite	1 x 1 g
U211640-1G	DMT-2'O-TC-rU Phosphoramidite	1 x 1 g

If your filling is not listed above please let us know, we are pleased to help you.

TC RNA Phosphoramidites and its use is protected by pending US Patent applications Nos. 12/118,655; 12/466326; 61/099,131 and corresponding foreign counterparts, including those issuing from PCT/US08/63342 and PCT/US09/057922. A license may be required.

For more information on how to order products and easily make RNA oligos at your facility, please send us an email at:

**Global:** [SAFCProligoReagents@sial.com](mailto:SAFCProligoReagents@sial.com)

**US:** [ProligoSupport@sial.com](mailto:ProligoSupport@sial.com)