



PRODUCT

◐ Synthgene Biotechnology Co.,Ltd. ◑

CATALOG



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Synthgene Biotechnology Co.,Ltd.

■ www.synthgene-bio.com



ABOUT SYNTHGENE

Synthgene Biotechnology Co., Ltd. provides materials and services to support mRNA and oligonucleotide manufacturing. Founded in 2018 by a group of passionate nucleic acid chemists, the goal of the company is to debottleneck the raw material supply and develop innovative solutions to support customers in the industry. The company has a robust quality system and ISO9001 certification to support cGMP manufacturing of mRNA raw materials that include NTPs, modified NTPs and cap analogs. For the GMP raw materials, Drug Master Files have been filed with FDA. In addition, Synthgene offers analytical development service and mRNA-related impurity standards and detection kits, LNP screening service, IVT process development and IVT kits for mRNA research. For solid-phase DNA and RNA synthesis, Synthgene offers high quality phosphoramidites to support cGMP oligo manufacturing. With over 200 people in R&D and AI-assisted discovery platform, Synthgene will continue to bring new products to the market.

GMP Factory

Raw Materials and Services to Enable mRNA and Oligo Therapeutics

200+

R&D Personnel

30,000+ m²

GMP



SYNTHGENE

DEVELOPMENT HISTORY

2019

Confirmed the manufacturing process of monomers.

2021

Finished 60+ million RMB A round fund raising.

2023

Globalization of Synthgene, proportion of overseas business exceeds domestic

2025

Brand new Yixing facility officially started operation.

2018

Synthgene was founded with the vision of acerating RNA technology.

2020

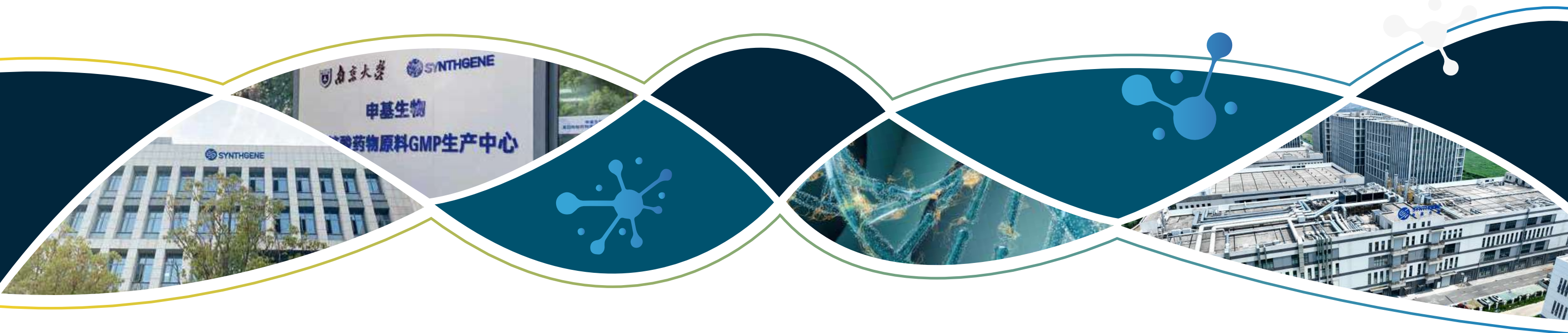
Successfully developed multiple novel cap analogs.

2022

Finished 300+ million RMB A+ round fund raising.
Sales revenue exceeds 100 million RMB

2024

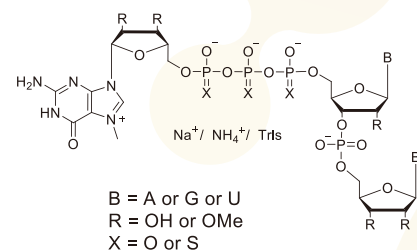
Finished 500+ million RMB B round fund raising.
Establish the oligo CMC team.



Synthgene Product Contents

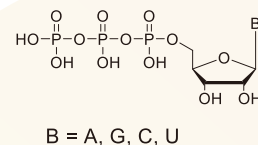
01

Cap Analogs



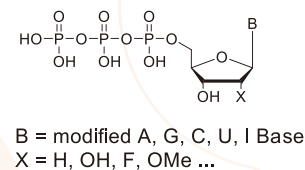
02

Nucleotides



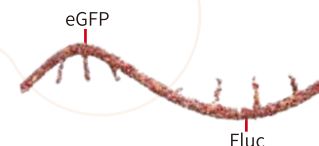
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Modified Nucleotides



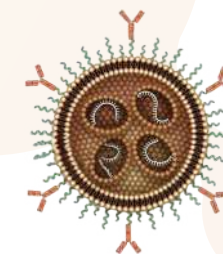
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Tool mRNA



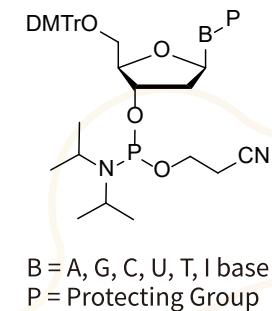
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in vivo CAR-T



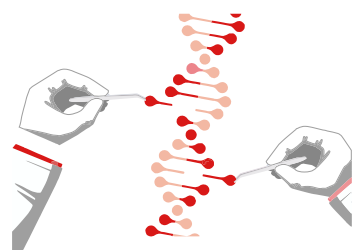
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DNA Phosphoramidites



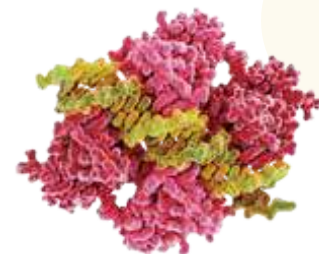
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Custom Synthesis



08

Enzyme Related Products



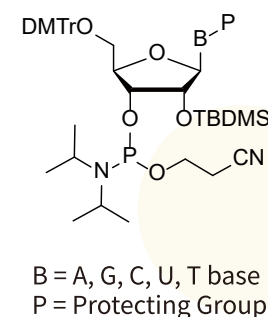
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In Vitro Transcription and Capping Kits



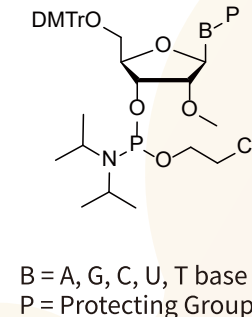
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2'-O-TBDMS Phosphoramidites



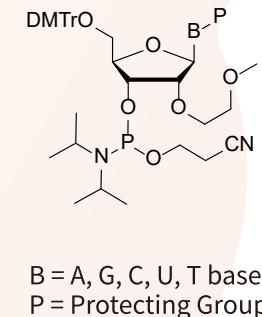
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2'-O-Me Phosphoramidites



16

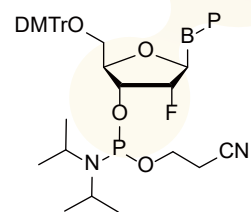
2'-O-MOE Phosphoramidites



Synthgene Product Contents

16

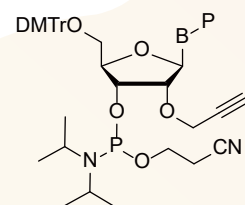
2'-Fluoro Phosphoramidites



B = A, G, C, U base
P = Protecting Group

17

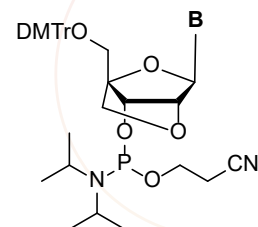
2'-O-Propargyl Phosphoramidites



B = A, G, C, U base
P = Protecting Group

18

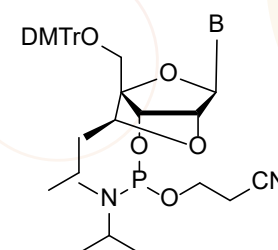
LNA Phosphoramidites



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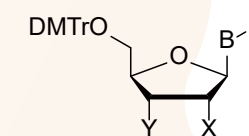
cET Phosphoramidites



B = A, G, C, U Base

21

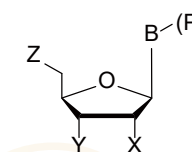
Possible Custom Phosphoramidite Modification



B = A, G, C, U, T, I, X Pu, iso-C, iso-G base
P = Null, Me, F, Cl, Br, I, N, NH₂, isotope, deaza, thio, etc.
X/Y = H, OH, F, OTBDMS, OMe, OMOE, OPropargyl, O-Propargyl, NH₂, N₃, etc.

22

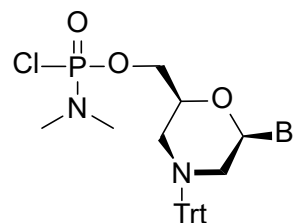
Nucleosides



B=A,G,C,U,T,I,X,pU,iso-C,iso-G
P=Protecting Group
X/Y=H,OH,F,OMe,OMOE,OPropargyl
OTBDMS,NH₂,N₃,etc.
Z=OH,ODMT, OAc, OBz, etc.

18

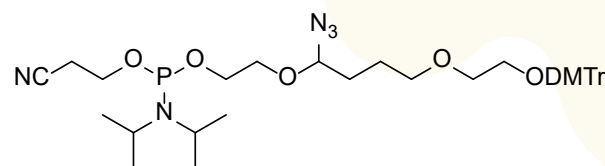
PMO Phosphoramidites



B = A, G, C, U base

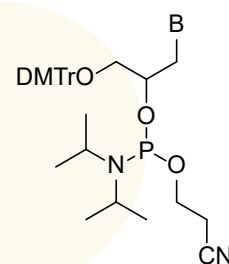
19

Linker Phosphoramidites



20

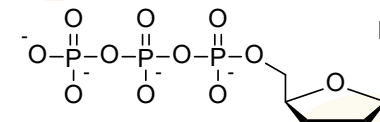
GNA Phosphoramidites



B = A, G, C, U Base

28

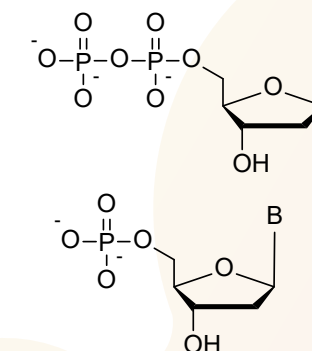
Deoxyribonucleoside Triphosphates



B = A, G, C, U, T Base

29

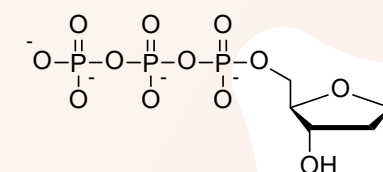
Deoxyribonucleoside Diphosphates & Monophosphates



B = A, G, C, U, T Base

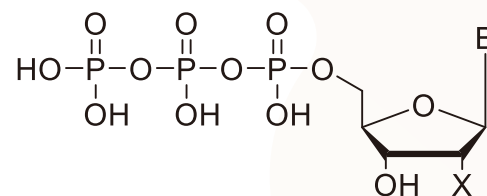
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Dideoxyribonucleoside Triphosphates

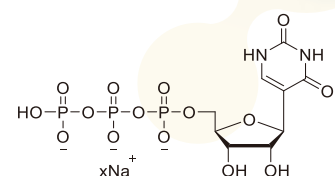


B = A, G, C, U, T Base

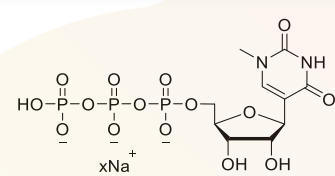
Modified Nucleotides



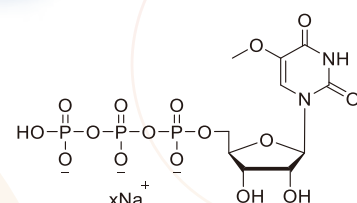
B = modified A, G, C, U, I Base
X = H, OH, F, OMe ...



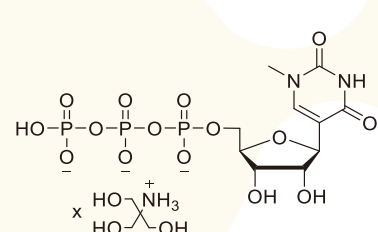
•GMP•
pUTP 100mM Sodium Solution
• GMP-PUTP001 •



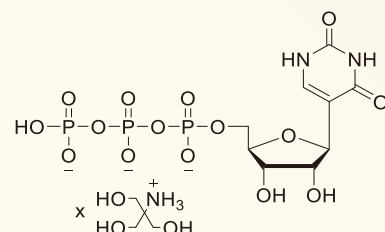
•GMP•
N1-Me-pUTP 100mM Sodium Solution
• GMP-NMPUTP001 •



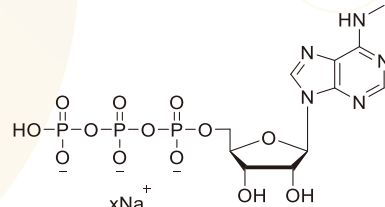
•GMP•
5-OMe-UTP 100mM Sodium Solution
• GMP-5OMUTP001 •



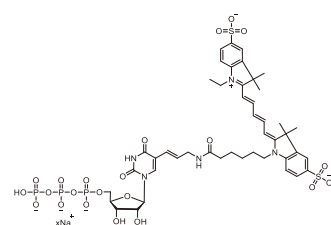
•GMP•
N1-Me-pUTP 200mM Tris Solution
• GMP-NMPUTP002T •



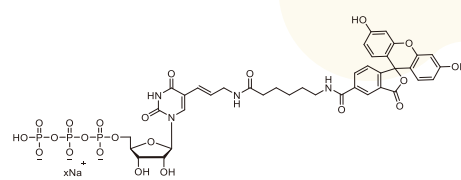
pUTP 200mM Tris Solution
• PUTP002T •



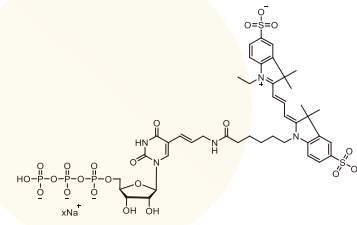
m6ATP 100mM Sodium Solution
• M6ATP001 •



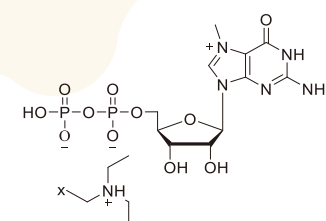
Cy5-UTP 10mM Sodium Solution
• CY5UTP •



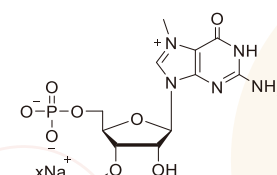
Fluorescein-12-UTP 10mM Sodium Solution
• F12UTP •



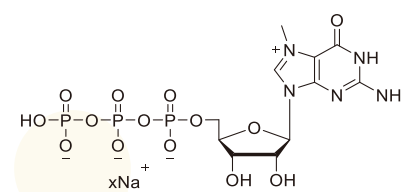
Cy3-UTP 10mM Sodium Solution
• CY3UTP •



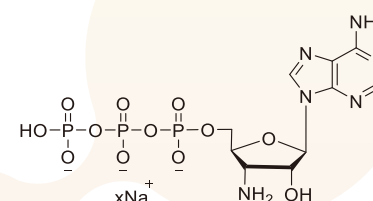
m7GDP TEA Salt
• M7G2001 •



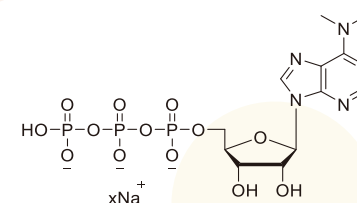
3'-OMe-m7GMP 100mM Sodium Solution
• 3OMM7GMP001 •



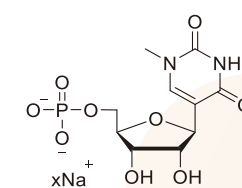
m7GTP 100mM Sodium Solution
• N7MGTP001 •



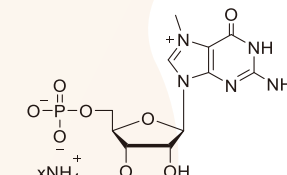
3'-NH₂-ATP 100mM Sodium Solution
• 3NHATP001 •



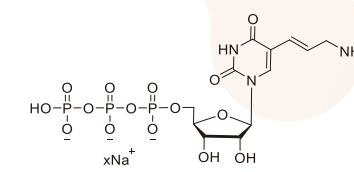
N6-Dimethyl-ATP 100mM Sodium Solution
• DM6ATP001 •



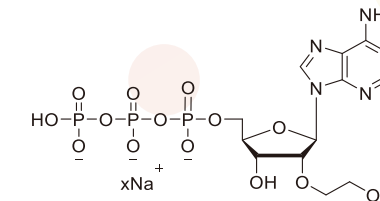
N1-Me-pUMP Sodium Salt
• NMPUMP001 •



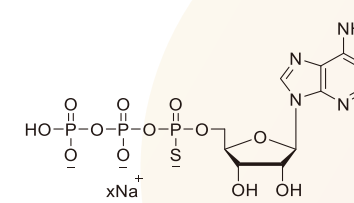
3'-OMe-m7GMP 100mM Ammonium Solution
• 3OMM7GMP002 •



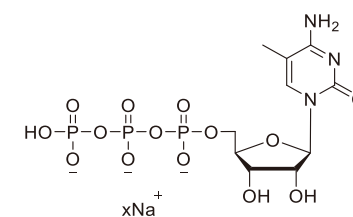
5-Aminoallyl-UTP 100mM Sodium Solution
• 5AAUTP001 •



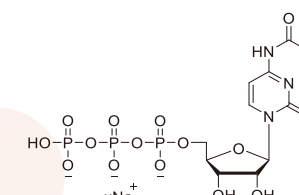
2'-MOE-ATP 100mM Sodium Solution
• MOEATP001 •



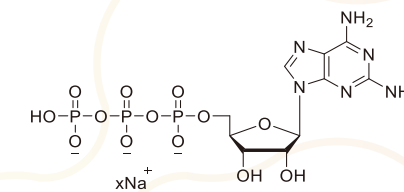
ATP(αS) 100mM Sodium Solution
• SATP001 •



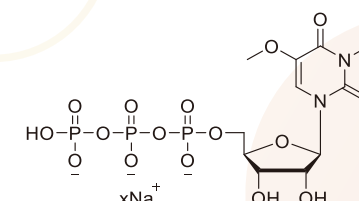
5-Me-CTP 100mM Sodium Solution
• 5MCTP001 •



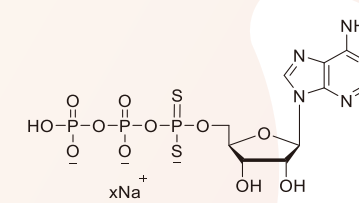
N4-Acetyl-CTP 100mM Sodium Solution
• CTPAC001 •



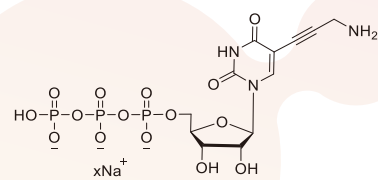
2-NH₂-ATP 100mM Sodium Solution
• 2NHATP001 •



3-Me-5-OMe-UTP 100mM Sodium Solution
• 3M5OMUTP001 •

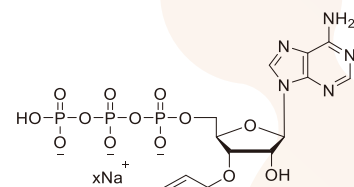


SPS ATP 100mM Sodium Solution
• DSATP001 •



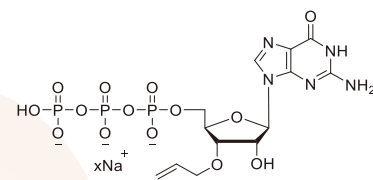
**5-Aminopropargyl UTP
100mM Sodium Solution**

• 5AUTP001 •



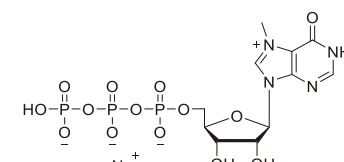
**3'-O-Allyl-ATP 100mM
Sodium Solution**

• 3OAAATP001 •



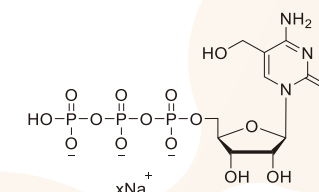
**3'-O-Allyl-GTP 100mM
Sodium Solution**

• 3OAGTP001 •



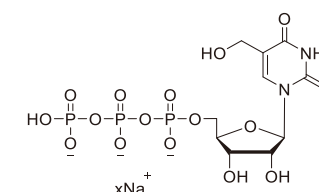
m7-ITP

• M7ITP001 •



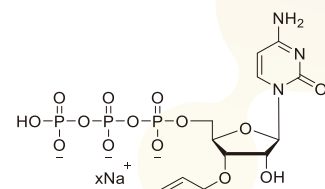
**5-hme-CTP 100mM
Sodium Solution**

• 5HMCTP001 •



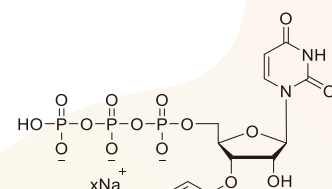
**5-hme-UTP 100mM
Sodium Solution**

• 5HMUTP001 •



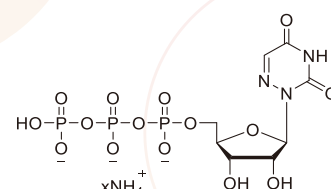
**3'-O-Allyl-CTP 100mM
Sodium Solution**

• 3OACTP001 •



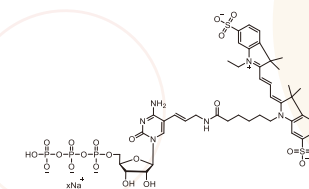
**3'-O-Allyl-UTP 100mM
Sodium Solution**

• 3OAUTP001 •



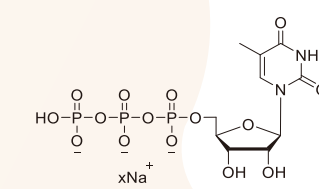
6-Aza-UTP Ammonium Salt

• 6AUTP001 •



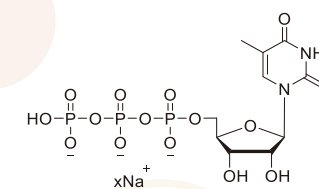
**Cy3-CTP 10mM
Sodium Solution**

• CY3CTP001 •



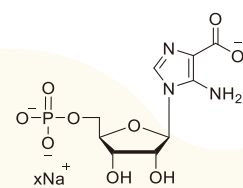
**5-Me-UTP 100mM
Sodium Solution**

• 5MUTP001 •



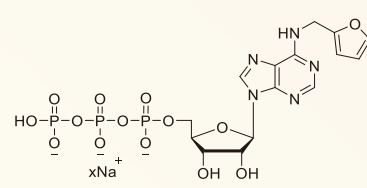
5-Me-UTP Sodium Salt

• 5MUTP002 •



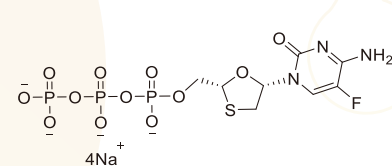
**Carboxyaminoimidazole
ribotide**

• CAIR001 •



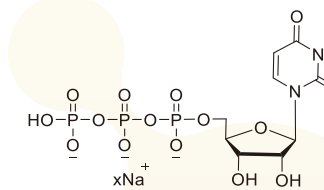
6-Fu-ATP Sodium Salt

• 6FUATP001 •



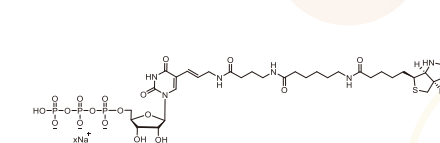
**(-)-Emtricitabine Triphosphate
Tetrasodium Salt**

• ETB001 •



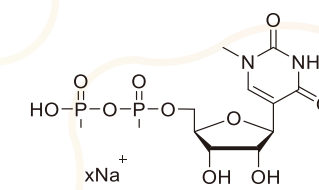
**2-Thio-UTP 100mM
Sodium Solution**

• 2THUTP001 •



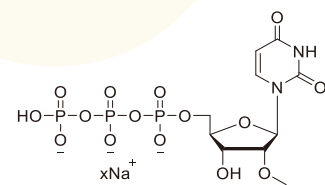
**Biotin-16-UTP 10mM
Sodium Solution**

• B16UTP001 •



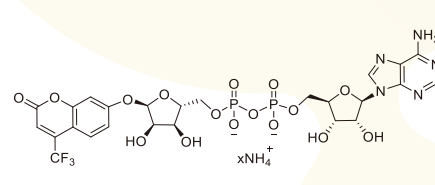
**N1-Me-pUDP
Sodium Salt**

• NMPUDP001 •



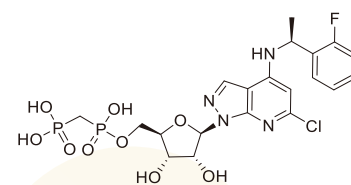
**2'-OMe-UTP 100mM
Sodium Solution**

• 2OMUTP001 •



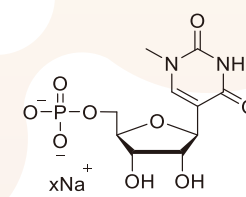
TFMU-ADPr Ammonium Salt

• TFMUADP001 •



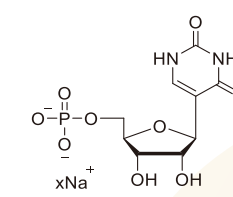
AB-680

• AB68001 •



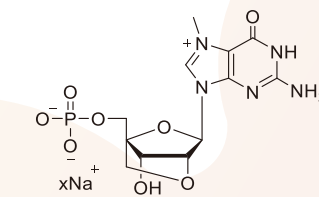
**N1-Me-pUMP 100mM
Sodium Solution**

• NMPUTP002 •



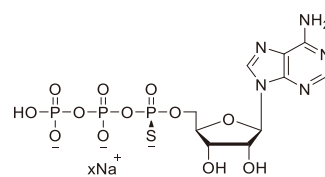
pUMP Sodium Salt

• PUMP001 •



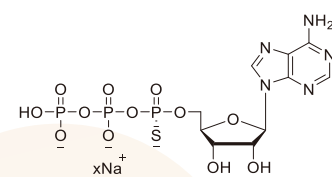
**2'-O-4'-C-Locked-m7GMP
100 Sodium Solution**

• LM7GMP001 •



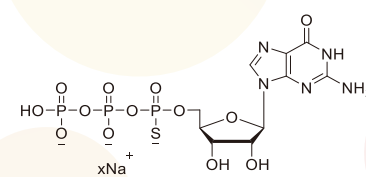
**ATPαS (Sp isomer) 100mM
Sodium Solution**

• SATP002 •



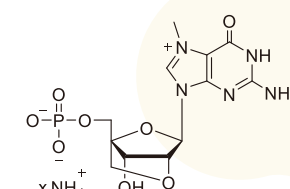
**ATPαS (Rp isomer) 100mM
Sodium Solution**

• SATP003 •



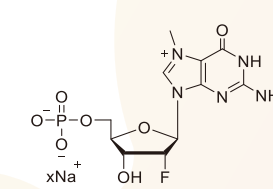
**GTPαS 100mM
Sodium Solution**

• SGTP001 •



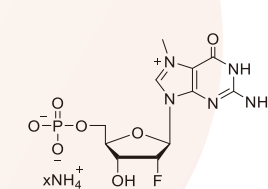
**2'-O-4'-C-Locked-m7GMP
100 Ammonium Solution**

• LM7GMP002 •



**2'-F-m7GMP 100mM
Sodium Solution**

• 2FM7GMP001 •

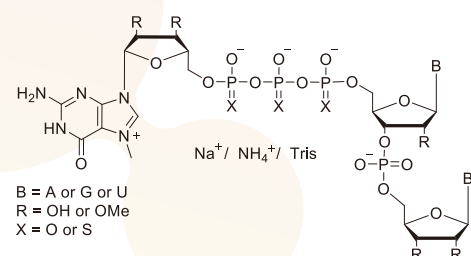


**2'-F-m7GMP 100mM
Ammonium Solution**

• 2FM7GMP002 •

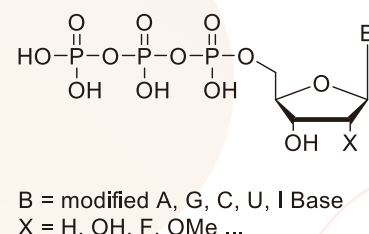
Custom Synthesis

Cap Analogs



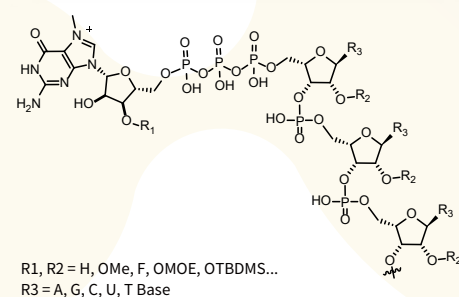
*For sale to licensed end-user only, the use to this product may require the buyer to obtain additional third party intellectual property rights for certain applications.

Modified Nucleotides



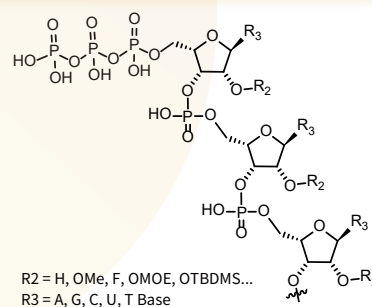
5'-modified oligonucleotide

5'-Capped oligos



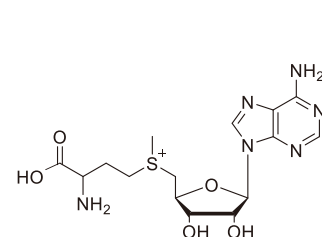
• m7GpppN(m)NNNN.... •

5'-UnCapped oligos



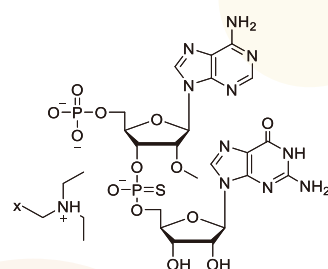
• pppNNNN.... •

Other Products



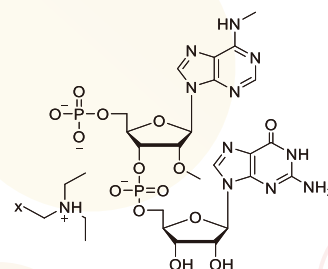
SAM S-adenosylmethionine, 32mM Solution

• SAM001 •



(2'OMe-5'p-A)p(S)G TEA Salt

• OMAG002 •



(2'OMe-5'p-m6A)pG TEA Salt

• OMAG003 •

Enzyme Related Products

• Enzyme cleavage system

•GMP•	10201	.....	BspQI
•GMP•	10202	.....	BsaI
	10203	.....	XbaI
	10204	.....	XhoI

• In vitro transcription

•GMP•	10301	.....	T7 RNA polymerase
•GMP•	10303	.....	Inorganic Pyrophosphatase
•GMP•	10304	.....	Murine RNase Inhibitor
•GMP•	10211	.....	DNase I
	1030M	.....	T7 RNA polymerase mix
•GMP•	10308	.....	T7 RNA polymerase (low dsRNA)
•GMP•	10310	.....	T7 Pro RNA polymerase (low dsRNA)
	1032M	.....	T7 RNA polymerase mix (low dsRNA)
	1033M	.....	T7 Pro RNA polymerase mix (low dsRNA)

• Proteases

	10221	.....	Proteinase K
•GMP•	10222	.....	Proteinase K(liquid)

• RNases

	10205	.....	RNase H
•GMP•	10521		RNase R

• Reverse Transcriptase

	10231		M-MuLV Reverse Transcriptase (RNase H-)
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• DNA Synthetase

	10241		Bst Plus DNA Polymerase
	10242		Uracil DNA Glycosylase (UDG)

• Purification

	10511	.....	RNA Isolation beads
	10501	.....	DNA Isolation beads

• Enzymatic capping

	10401	.....	Vaccinia capping Enzyme
	10402	.....	10× Capping buffer
	10403	.....	2'-O-Methyltransferase

In Vitro Transcription and Capping Kits

• *In vitro transcription*

- 10110U T7 High Yield RNA Synthesis Kit (AGCU)
- 10110N T7 High Yield RNA Synthesis Kit (AGCN)

• *Co-transcriptional capping*

- 10111 T7 Co-transcription RNA、Synthwsis Kit、CAP5011
- 10121-5011 T7 Pro Co-transcription RNA、Synthesis Kit、CAP 5011

IVT Process Impurity Detection Kits

DS0001 dsRNA Detection Kit (ELISA), 96 reactions

- T70001 T7 RNA Polymerase Detection Kit (ELISA), 96 reactions
- DI0001 DNase I Detection Kit (ELISA), 96 reactions
- RI0001 RNase Inhibitor Detection Kit (ELISA), 96 reactions
- PI0001 Inorganic Pyrophosphatase Detection Kit (ELISA), 96 reactions

Tool mRNA

• *Tool mRNA*

- 11011-CAP eGFP mRNA with N1-Me-pUTP (5'CAP)
- 11012-CAP Fluc mRNA with N1-Me-pUTP (5'CAP)
- 11013-CAP Fluc-eGFP mRNA with N1-Me-pUTP (5'CAP)
- 11014-CAP mCherry mRNA with N1-Me-pUTP (5'CAP)
- 11016-CAP OVA mRNA with N1-Me-pUTP (5'CAP)
- 11017-CAP Cre mRNA with N1-Me-pUTP (5'CAP)
- 11018-CAP Fluc mRNA with 5-OMe-UTP (5'CAP)
- 11019-CAP mCherry mRNA with 5-OMe-UTP (5'CAP)
- 11001-18CAP.... eGFP saRNA(5'CAP 1811)
- 11003-18CAP.... Fluc-eGFP saRNA(5'CAP 1811)
- 11023-5CAP FLuc mRNA with cy5-UTP(5'CAP 5011)
- 11024-5CAP FLuc mRNA with cy3-UTP(5'CAP 5011)
- 11025-CAP FLuc mRNA with Cy5-UTP (5'CAP)
- 11026-CAP FLuc mRNA with Cy3-UTP (5'CAP)
- 11028-CAP NanoLuc mRNA with N1-Me-pUTP (5'CAP)
- 11030-CAP Mouse IL-2 mRNA with N1-Me-pUTP (5'CAP),
- 11031-CAP Human IL-2 mRNA with N1-Me-pUTP (5'CAP)
- 11032-CAP Mouse IL-4 mRNA with N1-Me-pUTP (5'CAP),
- 11033-CAP Human IL-4 mRNA with N1-Me-pUTP (5'CAP)
- 11034-CAP Mouse IL-6 mRNA with N1-Me-pUTP (5'CAP)
- 11035-CAP Human IL-6 mRNA with N1-Me-pUTP (5'CAP)
- 11036-CAP Mouse IL-7 mRNA with N1-Me-pUTP (5'CAP)
- 11037-CAP Human IL-7 mRNA with N1-Me-pUTP (5'CAP)
- 11038-CAP Mouse IL-10 mRNA with N1-Me-pUTP (5'CAP)

• Tool mRNA

11039-CAP	.....	Human IL-10 mRNA with N1-Me-pUTP (5'CAP)
11040-CAP	.....	Mouse IL-12 mRNA with N1-Me-pUTP (5'CAP)
11041-CAP	.....	Human IL-12mRNA with N1-Me-pUTP (5'CAP)
11042-CAP	.....	Mouse IL-15 mRNA with N1-Me-pUTP (5'CAP)
11043-CAP	.....	Human IL-15 mRNA with N1-Me-pUTP (5'CAP)
11044-CAP	.....	SOX2 mRNA with N1-Me-pUTP (5'CAP)
11045-CAP	.....	OCT4 mRNA with N1-Me-pUTP (5'CAP)
11046-CAP	.....	KLF4 mRNA with N1-Me-pUTP (5'CAP)
11047-CAP	.....	L-myc mRNA with N1-Me-pUTP (5'CAP)
11048-CAP	.....	LN28A mRNA with N1-Me-pUTP (5'CAP)
11049-CAP	.....	GLIS1 mRNA with N1-Me-pUTP (5'CAP)
11050-CAP	.....	NANOG mRNA with N1-Me-pUTP (5'CAP)

• Tool circRNA

13001	.....	Fluc circRNA
13002	.....	eGFP circRNA
13003	.....	OVA circRNA

dsRNA Standards

• dsRNA Standards

10601	.....	dsRNA (UTP)
10602	.....	dsRNA (N1-Me-pUTP)
10603	.....	dsRNA (pUTP)
10604	.....	dsRNA (5-OMe-UTP)

DNA Ladders

• DNA Ladders

DL-50	.....	DNA ladder (50bp)
DL-100	.....	DNA ladder (100bp)
DL-1K	.....	DNA ladder (1kb)
DLN-1K	.....	1kb DNAladder(without dye)
DLN-50	.....	50bp DNAladder (without dye)
DLN-100	.....	100bp DNAladder (without dye)

In vivo CAR-T
Related Products

• CAR-mRNA Standards

11055-CAP	.....	CD19-CAR mRNA with N1-Me-pUTP(5'CAP)
11056-CAP	.....	CD20-CAR mRNA with N1-Me-pUTP(5'CAP)
11057-CAP	.....	CD22-CAR mRNA with N1-Me-pUTP(5'CAP)
11058-CAP	.....	CD117-CAR mRNA with N1-Me-pUTP(5'CAP)
11059-CAP	.....	BCMA-CAR mRNA with N1-Me-pUTP(5'CAP)
11060-CAP	.....	FAP-CAR mRNA with N1-Me-pUTP(5'CAP)

• CAR-mRNA Standards

- 11061-CAP Claudin 18.2-CAR mRNA with N1-Me-pUTP(5'CAP)
 11062-CAP EGFR-CAR mRNA with N1-Me-pUTP(5'CAP)
 11063-CAP GPC3-CAR mRNA with N1-Me-pUTP(5'CAP)
 11064-CAP TROP2-CAR mRNA with N1-Me-pUTP(5'CAP)

• CAR circRNA Standards

- 13004 CD19-CAR circRNA
 13005 CD20-CAR circRNA
 13006 CD22-CAR circRNA
 13007 BCMA-CAR circRNA

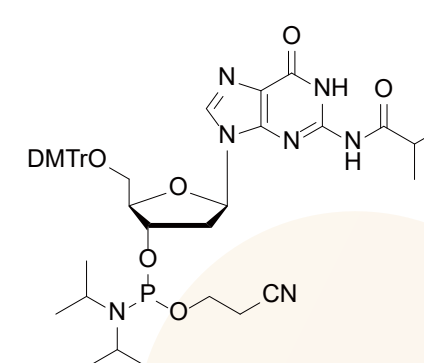
• Ab-LNP Standards

- 14001 CD3-LNP(eGFP)
 14002 CD5-LNP(eGFP)
 14003 CD7-LNP(eGFP)
 14004 CD8-LNP(eGFP)
 14005 CD3-LNP(Fluc)
 14006 CD5-LNP(Fluc)
 14007 CD7-LNP(Fluc)
 14008 CD8-LNP(Fluc)

• Conjugation Kit

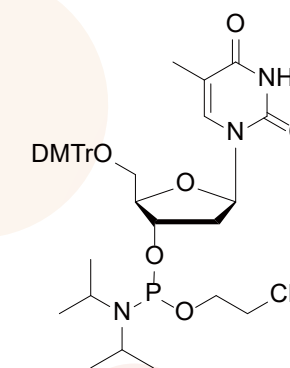
- 10116 Antibody LNP Conjugation Kit

DNA Phosphoramidites



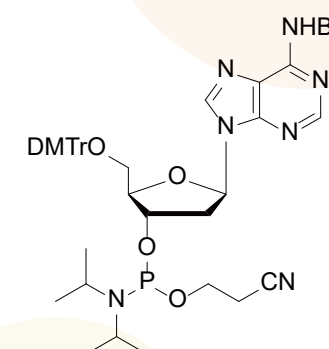
**DMTr-dG(iBu)-3'-CE
-Phosphoramidite**

PA001 • CAS.93183-15-4



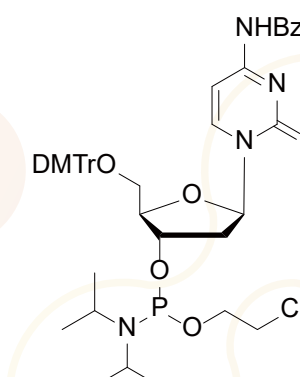
**DMTr-dT-3'-CE
-Phosphoramidite**

PA002 • CAS.98796-51-1



**DMTr-dA(Bz)-3'-CE
-Phosphoramidite**

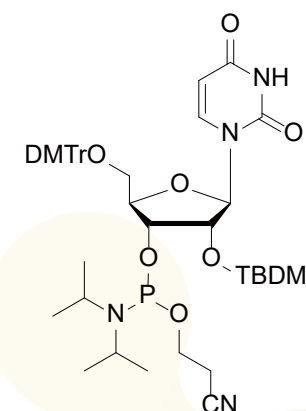
PA003 • CAS.98796-53-3



**DMTr-dC(Bz)-3'-CE
-Phosphoramidite**

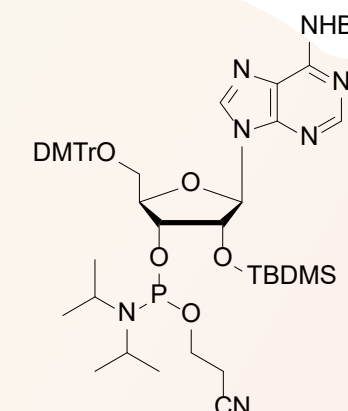
PA004 • CAS.102212-98-6

2'-O-TBDMS Phosphoramidites



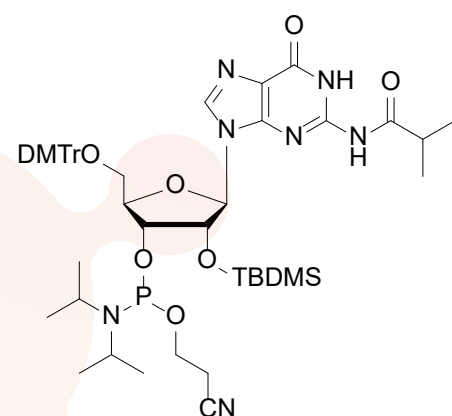
**DMTr-2'-O-TBDMS-rU-3'
-CE-Phosphoramidite**

PA007 • CAS.118362-03-1



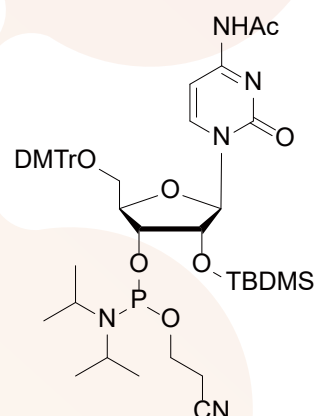
**DMTr-2'-O-TBDMS-rA(Bz)
-3'-CE-Phosphoramidite**

PA008 • CAS.104992-55-4



DMTr-2'-O-TBDMS-rG(iBu)-3'-CE-Phosphoramidite

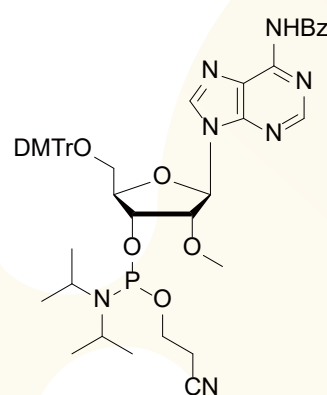
PA009 • CAS.147201-04-5



DMTr-2'-O-TBDMS-rC(Ac)-3'-CE-Phosphoramidite

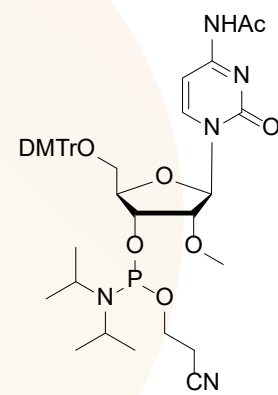
PA010 • CAS.121058-88-6

2'-O-Me Phosphoramidites



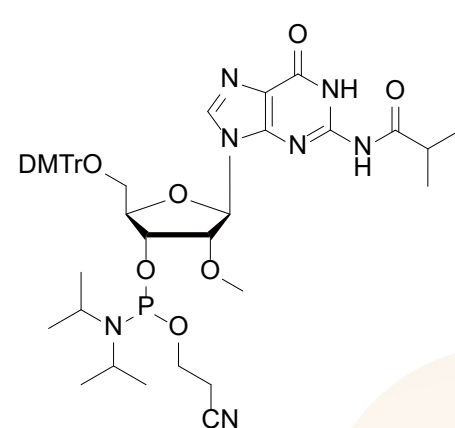
DMTr-2'-O-Me-rA(Bz)-3'-CE-Phosphoramidite

PA011 • CAS.110782-31-5



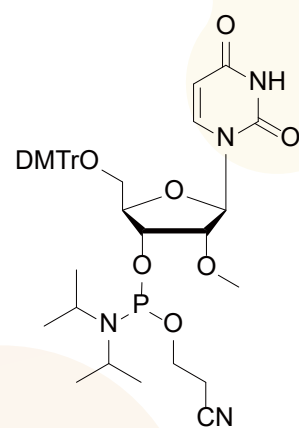
DMTr-2'-O-Me-rC(Ac)-3'-CE-Phosphoramidite

PA012 • CAS.199593-09-4



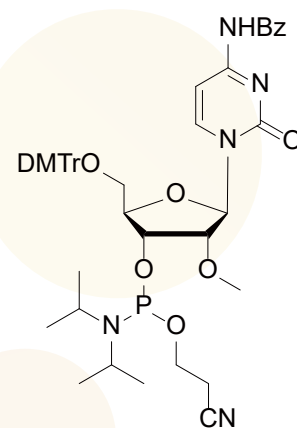
DMTr-2'-O-Me-rG(iBu)-3'-CE-Phosphoramidite

PA013 • CAS.150780-67-9



DMTr-2'-O-Me-rU-3'-CE-Phosphoramidite

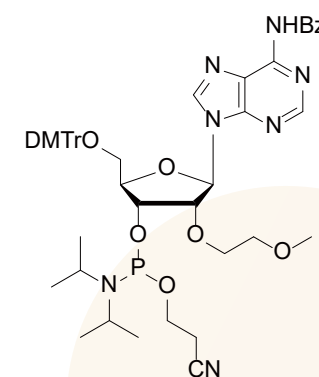
PA014 • CAS.110764-79-9



DMTr-2'-O-Me-rC(Bz)-3'-CE-Phosphoramidite

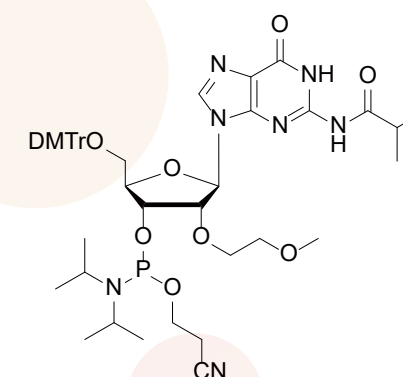
PA035 • CAS.110764-78-8

2'-O-MOE Phosphoramidites



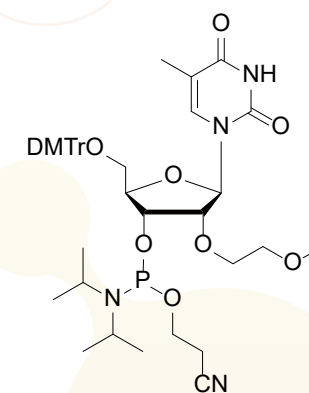
DMTr-2'-O-MOE-rA(Bz)-3'-CE-Phosphoramidite

PA015 • CAS.251647-53-7



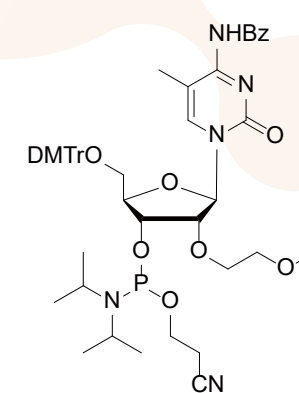
DMTr-2'-O-MOE-rG(iBu)-3'-CE-Phosphoramidite

PA016 • CAS.251647-55-9



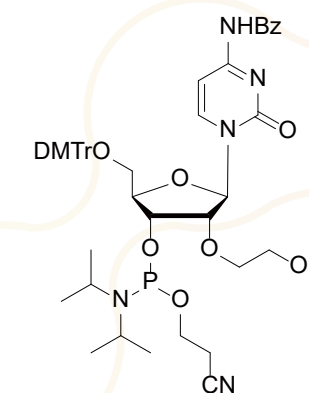
DMTr-2'-O-MOE-rT-3'-CE-Phosphoramidite

PA017 • CAS.163878-63-5



DMTr-2'-O-MOE-5-Me-rC(Bz)-3'-CE-Phosphoramidite

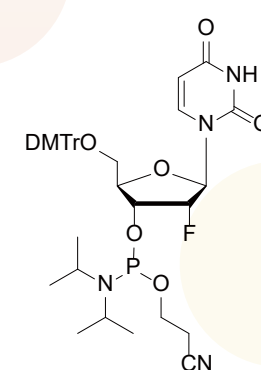
PA018 • CAS.163759-94-2



DMTr-2'-O-MOE-rC(Bz)-3'-CE-Phosphoramidite

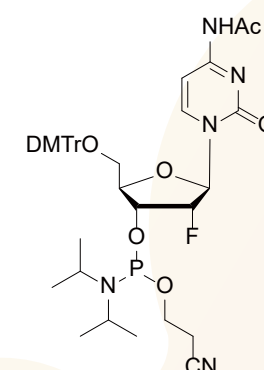
PA042 • CAS.251647-54-8

2'-Fluoro Phosphoramidites



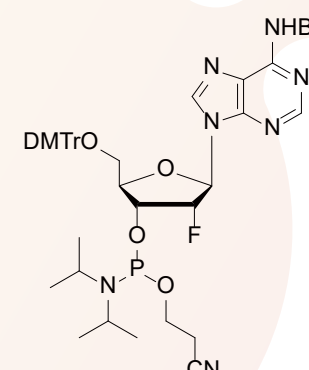
DMTr-2'-F-dU-3'-CE-Phosphoramidite

PA019 • CAS.146954-75-8



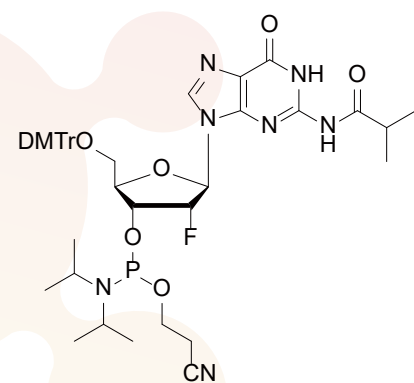
DMTr-2'-F-dC(Ac)-3'-CE-Phosphoramidite

PA020 • CAS.159414-99-0



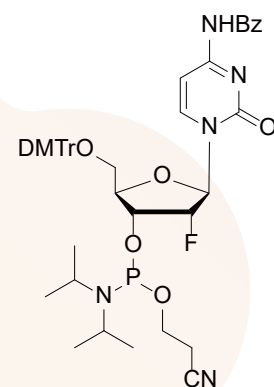
DMTr-2'-F-dA(Bz)-3'-CE-Phosphoramidite

PA021 • CAS.136834-22-5



DMTr-2'-F-dG(iBu)-3'-CE-Phosphoramidite

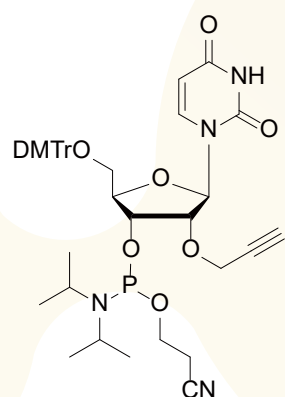
PA022 • CAS.144089-97-4



DMTr-2'-F-dC(Bz)-3'-CE-Phosphoramidite

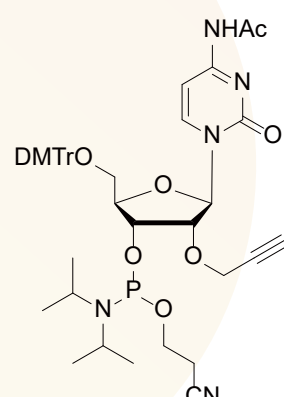
PA023 • CAS.161442-19-9

2'-O-Propargyl Phosphoramidites



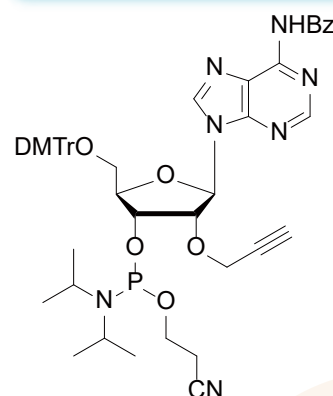
DMTr-2'-O-propargyl-rU-3'-CE-Phosphoramidite

PA034 • CAS.171486-62-7



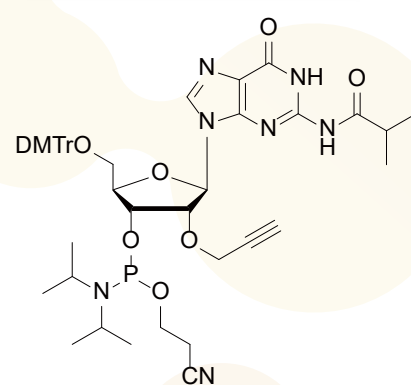
DMTr-2'-O-propargyl-rC(Ac)-3'-CE-Phosphoramidite

PA039 • CAS.1498305-51-3



DMTr-2'-O-propargyl-rA(Bz)-3'-CE-Phosphoramidite

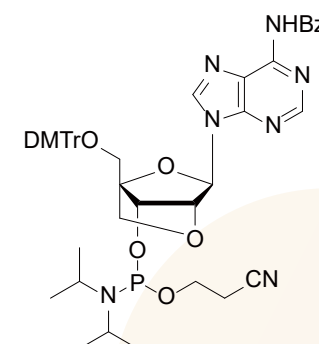
PA040 • CAS.171486-59-2



DMTr-2'-O-propargyl-rG(iBu)-3'-CE-Phosphoramidite

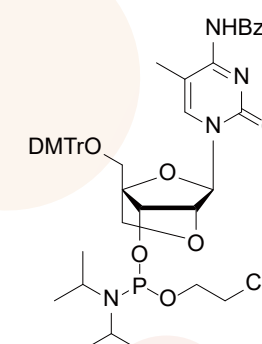
PA041 • CAS.171486-61-6

LNA Phosphoramidites



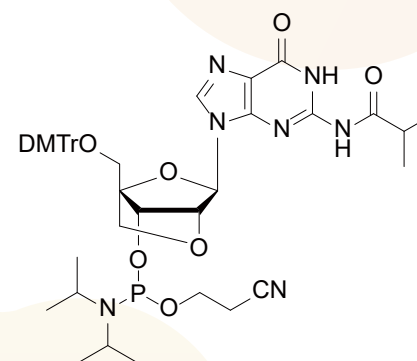
DMTr-2'-O-4'-C-Locked-rA(Bz)-3'-CE-Phosphoramidite

PA045 • CAS.206055-79-0



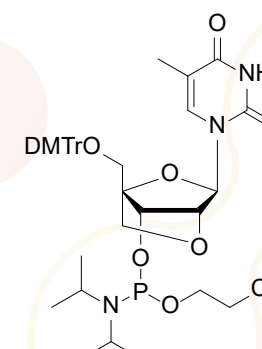
DMTr-2'-O-4'-C-Locked-5-Me-rC(Bz)-3'-CE-Phosphoramidite

PA068 • CAS.206055-82-5



DMTr-2'-O-4'-C-Locked-rG(iBu)-3'-CE-Phosphoramidite

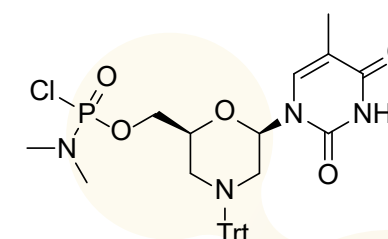
PA070 • CAS.206055-77-8



DMTr-2'-O-4'-C-Locked-rT-3'-CE-Phosphoramidite

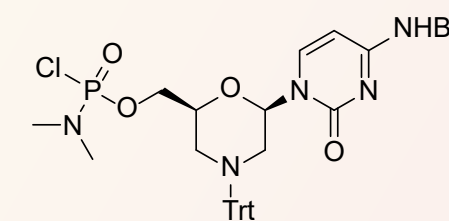
PA071 • CAS.206055-75-6

PMO Phosphoramidites



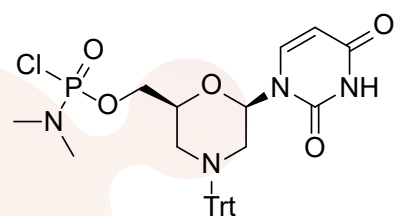
T PMO Monomer

PA152 • CAS.956139-30-3



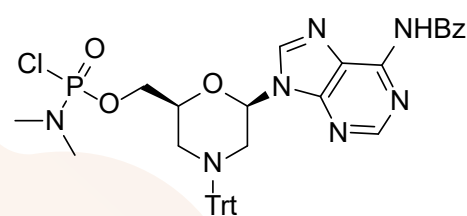
N4-Bz protected C PMO Monomer

PA153 • CAS.956139-21-2



U PMO Monomer

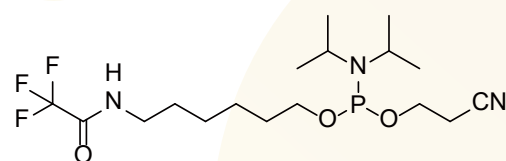
PA154 • CAS.N/A



N6-Bz protected A PMO Monomer

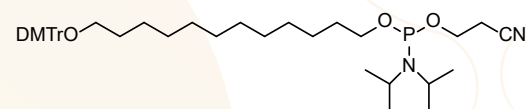
PA155 • CAS.956139-18-7

Linker Phosphoramidites



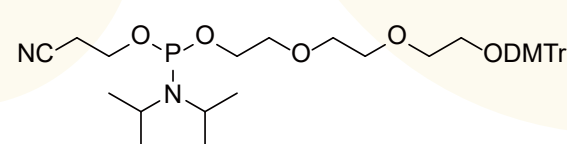
5'-Amino-Modifier C6-TFA CE Phosphoramidite

PA031 • CAS.133975-85-6



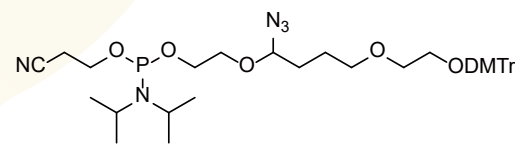
Spacer C12 Phosphoramidite

PA087 • CAS.158665-27-1



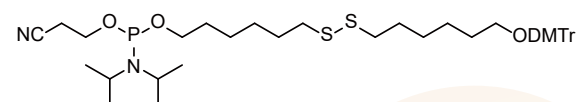
Spacer Phosphoramidite 9

PA176 • CAS.146668-73-7



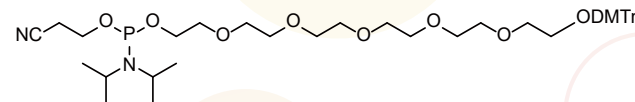
Spacer PEG-N3 Phosphoramidite

PA251 • CAS.N/A



Thiol-Modifier C6 S-S CE Phosphoramidite

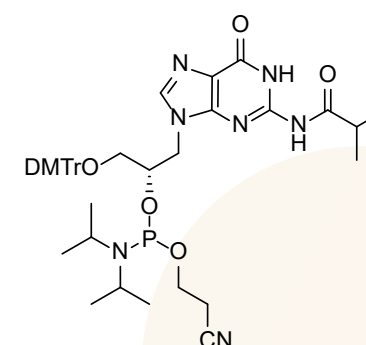
PA291 • CAS.148254-21-1



Spacer 18 Phosphoramidite

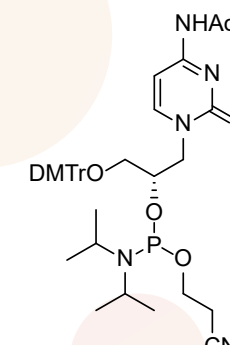
PA464 • CAS.125607-09-2

GNA Phosphoramidites



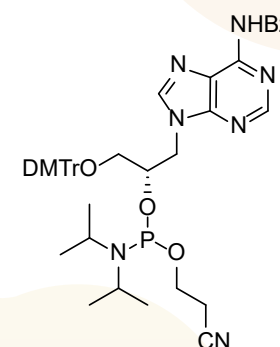
DMTr-G(iBu)-(S)-GNA Phosphoramidite

PA156 • CAS.182625-68-9



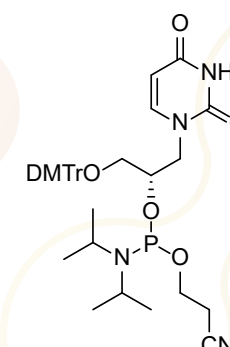
DMTr-C(Ac)-(S)-GNA Phosphoramidite

PA159 • CAS.1159174-80-7



DMTr-A(Bz)-(S)-GNA Phosphoramidite

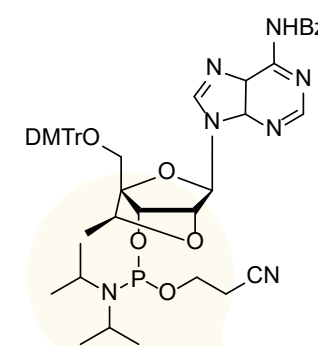
PA220 • CAS.851050-24-3



DMTr-U(S)-GNA Phosphoramidite

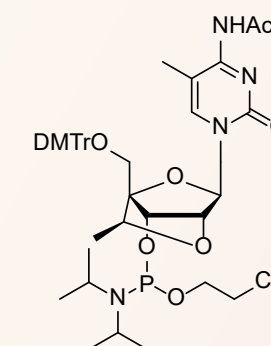
PA221 • CAS.494784-15-5

cET Phosphoramidites



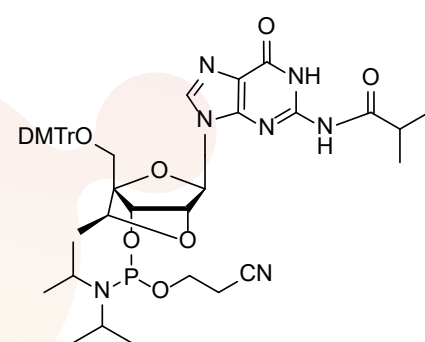
DMTr-S-cEt-5-Me-rA(Bz)-3'-CE-Phosphoramidite

PA235 • CAS.1197033-19-4



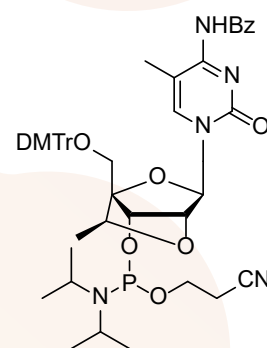
DMTr-S-cEt-5-Me-rC(Ac)-3'-CE-Phosphoramidite

PA236 • CAS.N/A



**DMTr-S-cEt-5-Me-rG(iBu)
-3'-CE-Phosphoramidite**

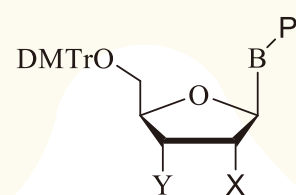
PA237 • CAS.945628-66-0



**DMTr-S-cEt-5-Me-rC(Bz)
-3'-CE-Phosphoramidite**

PA244 • CAS.1197033-17-2

Possible Custom Phosphoramidite Modification



Milligram to kilogram customization available for normal and modified phosphoramidites.

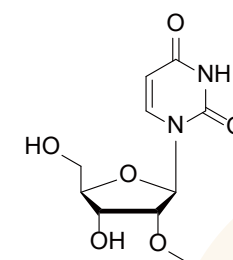
Normal/Modified Nucleoside

B=Base(A, C, G, T, U, I, X, Pu, iso-C, iso-G)

P=Null, Me, F, Cl, Br, I, N, NH₂, isotope, deaza, thio, etc.

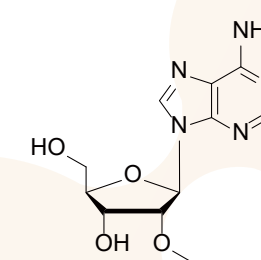
X/Y=H, OH, F, OTBDMS, OMe, OMOE, O-Propargyl, NH₂, N₃, etc.

Modified Nucleosides



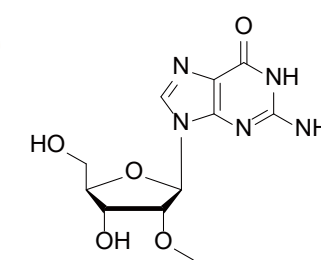
2'-O-Me-rU

NS005 • CAS.2140-76-3



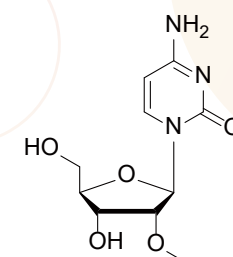
2'-O-Me-rA

NS012 • CAS.2140-79-6



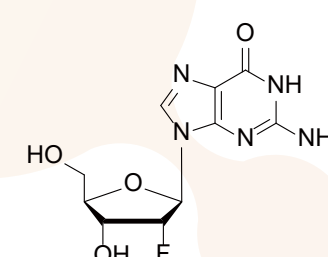
2'-O-Me-rG

NS013 • CAS.2140-71-8



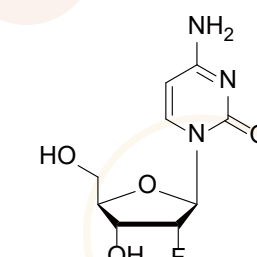
2'-O-Me-rC

NS024 • CAS.2140-72-9



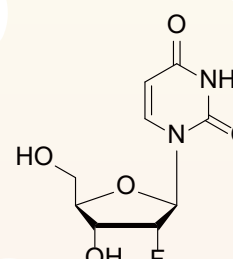
2'-F-dG

NS008 • CAS.78842-13-4



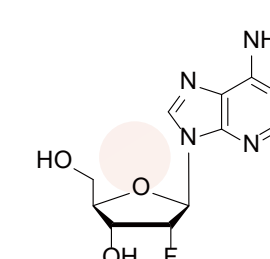
2'-F-dC

NS009 • CAS.10212-20-1



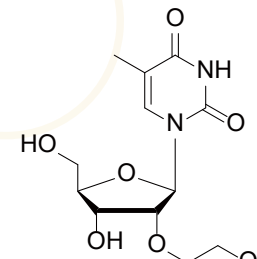
2'-F-dU

NS010 • CAS.784-71-4



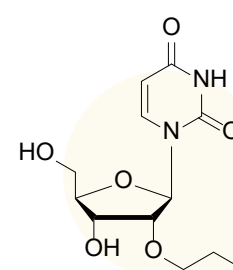
2'-F-dA

NS014 • CAS.64183-27-3



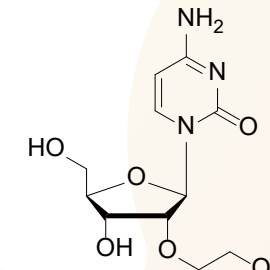
2'-O-MOE-5-Me-rU

NS037 • CAS.163759-49-7



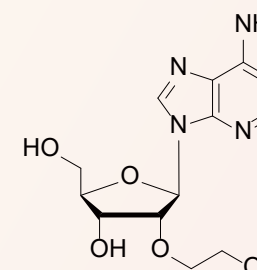
2'-O-MOE-rU

NS040 • CAS.223777-15-9



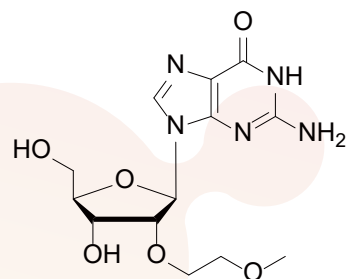
2'-O-MOE-rC

NS041 • CAS.223777-16-0



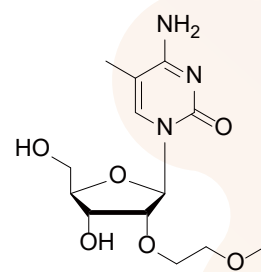
2'-O-MOE-rA

NS042 • CAS.168427-74-5



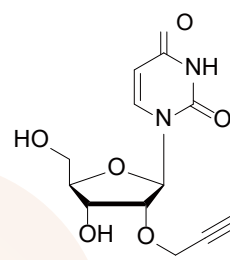
2'-O-MOE-rG

NS043 • CAS.473278-54-5



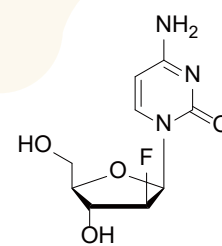
2'-O-MOE-5-Me-rC

NS044 • CAS.244105-55-3



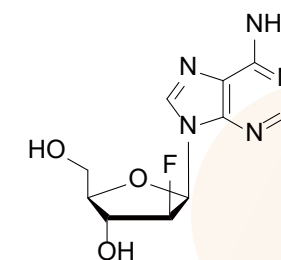
2'-O-propargyl-rU

NS045 • CAS.129778-58-1



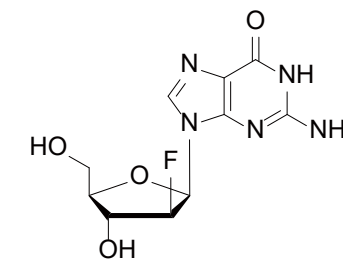
2'-FANA-dC

NS051 • CAS.56632-83-8



2'-FANA-dA

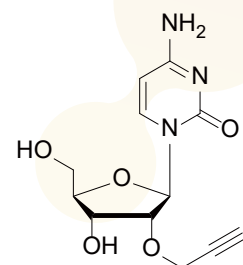
NS052 • CAS.20227-41-2



2'-FANA-dG

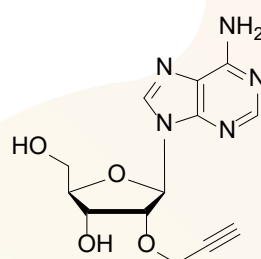
NS053 • CAS.103884-98-6

Protected Nucleosides



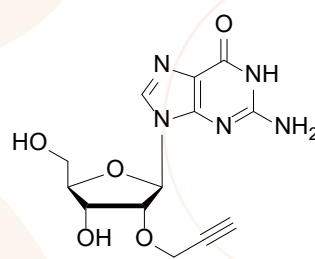
2'-O-propargyl-rC

NS046 • CAS.206552-85-4



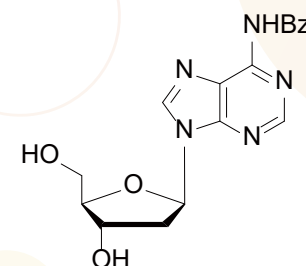
2'-O-propargyl-rA

NS047 • CAS.151390-97-5



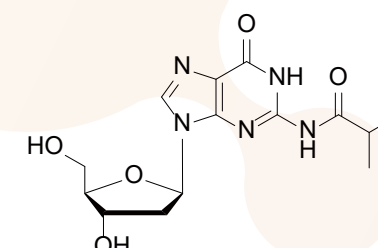
2'-O-propargyl-rG

NS048 • CAS.206552-86-5



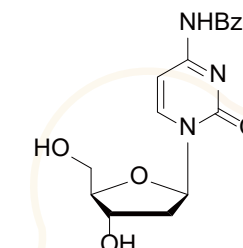
2'-dA(Bz)

NS019 • CAS.4546-72-9



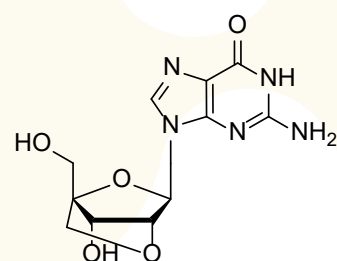
2'-dG(iBu)

NS011 • CAS.68892-42-2



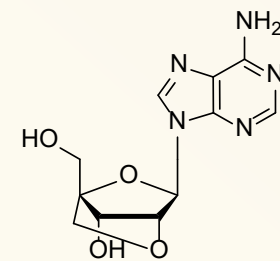
2'-dC(Bz)

NS020 • CAS.4836-13-9



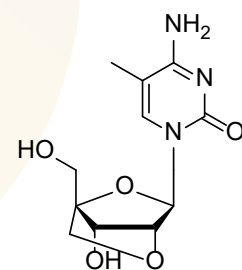
2'-O-4'-C-Locked-rG

NS129 • CAS.207131-16-6



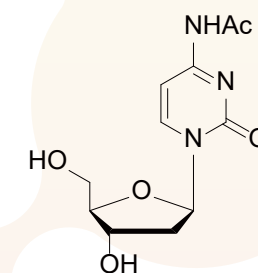
2'-O-4'-C-Locked-rA

NS130 • CAS.206055-70-1



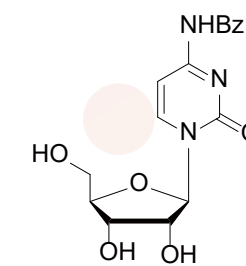
2'-O-4'-C-Locked-5-Me-rC

NS152 • CAS.847650-87-7



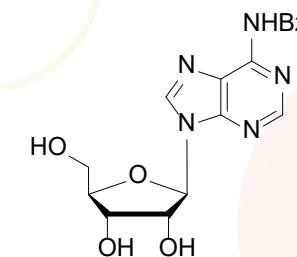
2'-dC(Ac)

NS035 • CAS.32909-05-0



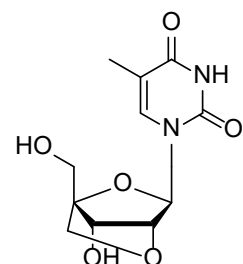
rC(Bz)

NS021 • CAS.13089-48-0



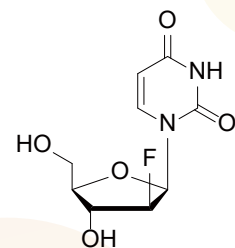
rA(Bz)

NS022 • CAS.4546-55-8



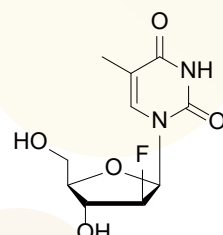
2'-O-4'-C-Locked-5-Me-rU

NS154 • CAS.206055-67-6



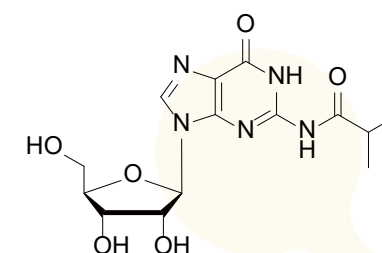
2'-FANA-dU

NS049 • CAS.69123-94-0



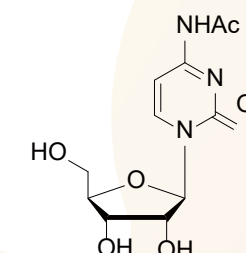
2'-FANA-dT

NS050 • CAS.69256-17-3



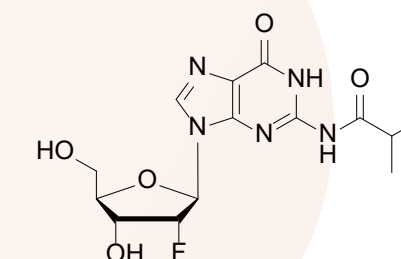
rG(iBu)

NS023 • CAS.64350-24-9



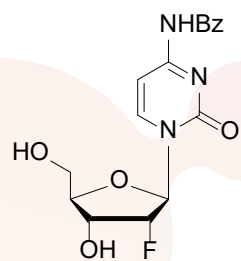
rC(Ac)

NS036 • CAS.3768-18-1



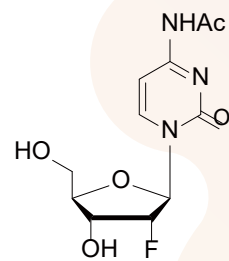
2'-F-dG(iBu)

NS007 • CAS.80681-25-0



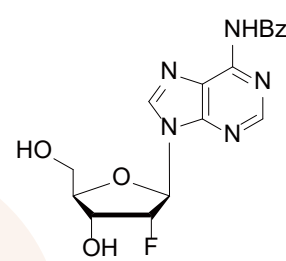
2'-F-dC(Bz)

NS028 • CAS.146954-76-9



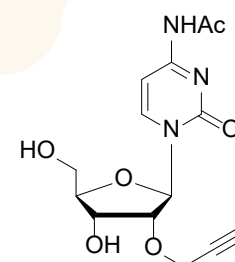
2'-F-dC(Ac)

NS029 • CAS.159414-97-8



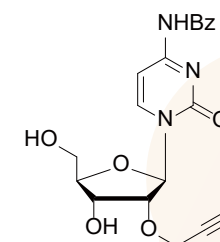
2'-F-dA(Bz)

NS030 • CAS.136834-20-3



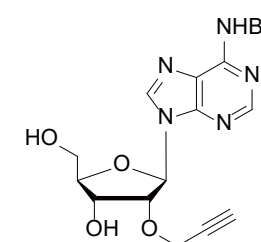
2'-O-propargyl-rC(Ac)

NS054 • CAS.1498305-49-9



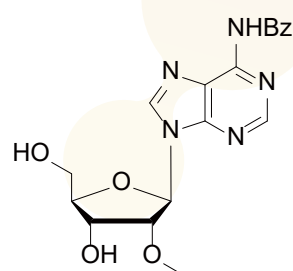
2'-O-propargyl-rC(Bz)

NS055 • CAS.210096-41-6



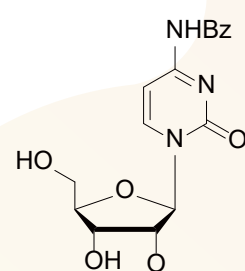
2'-O-propargyl-rA(Bz)

NS056 • CAS.210096-44-9



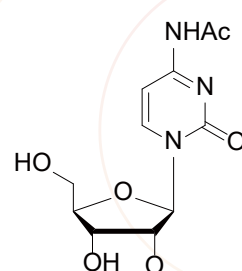
2'-O-Me-rA(Bz)

NS017 • CAS.85079-00-1



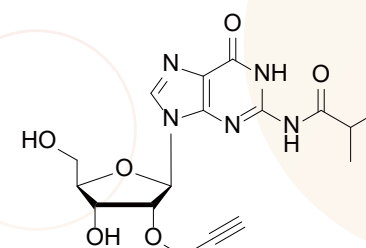
2'-O-Me-rC(Bz)

NS025 • CAS.52571-45-6



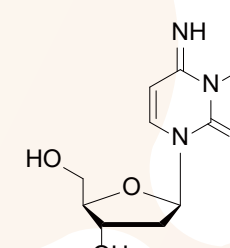
2'-O-Me-rC(Ac)

NS026 • CAS.113886-71-8



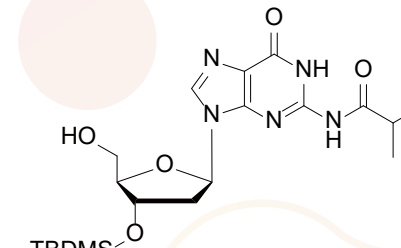
2'-O-propargyl-rG(iBu)

NS057 • CAS.2095417-55-1



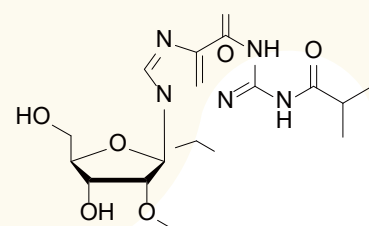
N3-Me-2'-dC

NS039 • CAS.5040-21-1



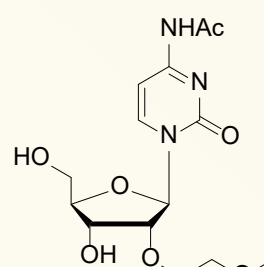
3'-O-TBDMS-2'-dG(iBu)

NS001 • CAS.99540-94-0



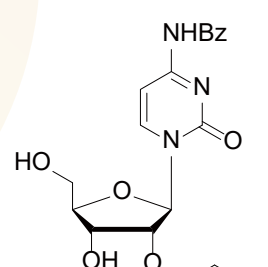
2'-O-Me-rG(iBu)

NS027 • CAS.63264-29-9



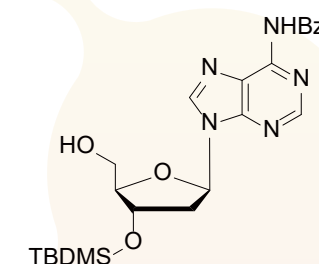
2'-O-MOE-rC(Ac)

NS058 • CAS.2049081-09-4



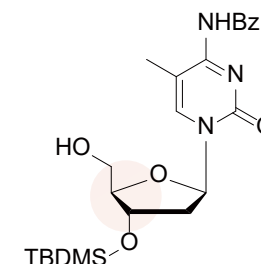
2'-O-MOE-rC(Bz)

NS059 • CAS.2305416-18-4



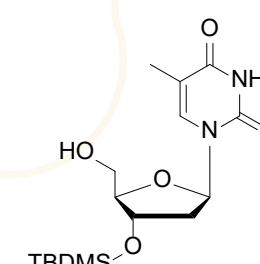
3'-O-TBDMS-2'-dA(Bz)

NS002 • CAS.51549-40-7



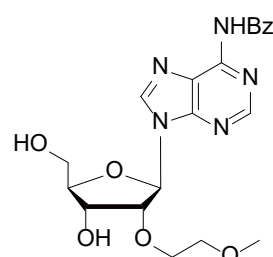
3'-O-TBDMS-2'-5-Me-dC(Bz)

NS003 • CAS.149510-44-1



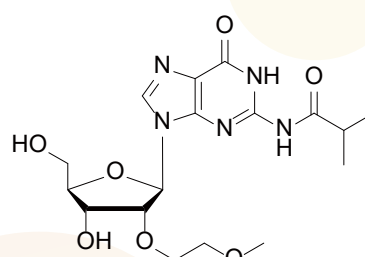
3'-O-TBDMS-2'-dT

NS004 • CAS.40733-27-5



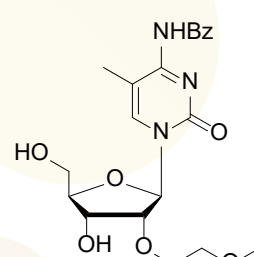
2'-O-MOE-rA(Bz)

NS060 • CAS.333335-93-6



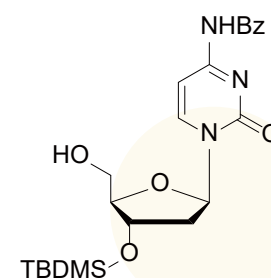
2'-O-MOE-rG(iBu)

NS061 • CAS.440327-50-4



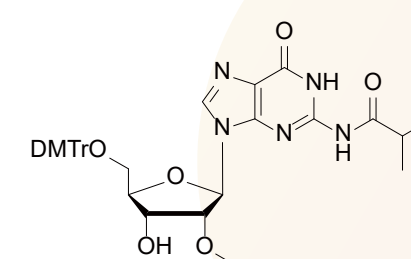
2'-O-MOE-5-Me-rC(Bz)

NS062 • CAS.340162-93-8



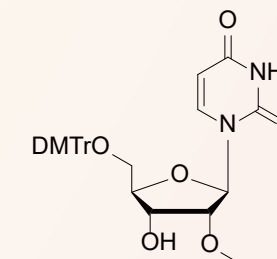
3'-O-TBDMS-2'-dC(Bz)

NS006 • CAS.51549-37-2



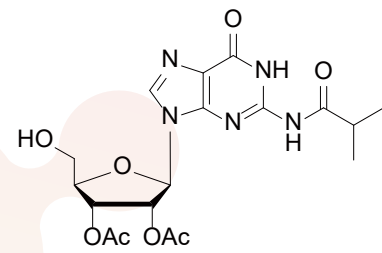
5'-O-DMTr-2'-O-Me-rG(iBu)

NS016 • CAS.114745-26-5



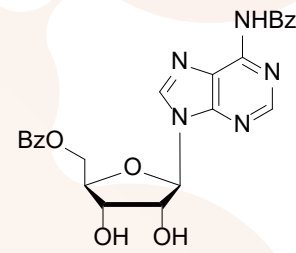
5'-O-DMTr-2'-O-Me-rU

NS031 • CAS.103285-22-9



2', 3'-O-Ac-rG(iBu)

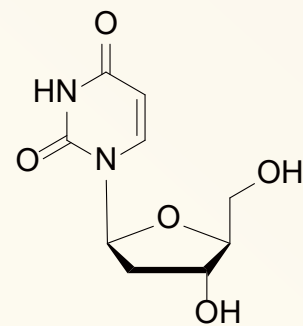
NS033 • CAS.163586-86-5



5'-O-Bz-rA(Bz)

NS034 • CAS.33485-36-8

Nucleosides, deoxynucleosides, and other nucleosides



L-2'-dU

NS032 • CAS.31501-19-6

dNTPs

dNTP001	.....	dATP 100mM Sodium solution
dNTP002	.....	dGTP 100mM Sodium solution
dNTP003	.....	dCTP 100mM Sodium solution
dNTP004	.....	dTTP 100mM Sodium solution
dNTP005	.....	dUTP 100mM Sodium solution
dNTP006	.....	dNTP Mix (25 mM each)
dNTP007	.....	dNTP Mix (10 mM each)
dNTP008	.....	dNTP Mix (2.5 mM each)
dNTP009	.....	Cy3-dUTP 1mM Sodium solution
dNTP010	.....	Biotin-11-dUTP 1mM Sodium solution
dNTP011	.....	3'-ONH ₂ -dATP 100mM Sodium solution
dNTP012	.....	3'-ONH ₂ -dGTP 100mM Sodium solution
dNTP013	.....	3'-ONH ₂ -dCTP 100mM Sodium solution
dNTP014	.....	3'-ONH ₂ -dTTP 100mM Sodium solution
dNTP015	.....	Fluorescein-12-dUTP 1mM Sodium solution
dNTP016	.....	5-(2-bromovinyl)-dUTP Sodium Salt
dNTP017	.....	3'-O-methylthiomethyl-dTTP 100mM Sodium Solution
dNTP018	.....	3'-P-dCTP 100mM Sodium Solution
dNTP019	.....	3'-P-dTTP 100mM Sodium Solution
dNTP022	.....	N4-Me-dCTP 100mM Sodium Solution
dNTP023	.....	3'-O-Azidomethyl-dATP 100mM Sodium Solution
dNTP024	.....	3'-O-Azidomethyl-dGTP 100mM Sodium Solution
dNTP025	.....	3'-O-Azidomethyl-dCTP 100mM Sodium Solution
dNTP026	.....	3'-O-Azidomethyl-dTTP 100mM Sodium Solution
dNTP027	.....	3'-P-dTTP 10mM Sodium Solution
dNTP032	.....	3'-ONH ₂ -dATP Sodium Salt
dNTP033	.....	3'-ONH ₂ -dCTP Sodium Salt
dNTP034	.....	3'-ONH ₂ -dGTP Sodium Salt
dNTP035	.....	3'-ONH ₂ -dTTP Sodium Salt
dNTP036	.....	2'-F-dATP 100mM Sodium Solution

dNTPs

dNTP037	.....	2'-F-dGTP 100mM Sodium Solution
dNTP038	.....	2'-F-dCTP 100mM Sodium Solution
dNTP039	.....	2'-F-dUTP 100mM Sodium Solution
dNTP041	.....	5-F-dUTP Sodium Salt
dNTP049	.....	3'-O-methylthiomethyl-dATP 100mM Sodium Solution
dNTP050	.....	3'-O-methylthiomethyl-dGTP 100mM Sodium Solution
dNTP051	.....	3'-P-dATP 100mM Sodium Solution
dNTP052	.....	3'-P-dGTP 100mM Sodium Solution
dNTP053	.....	dUTP 25mM Sodium Solution
dNTP054	.....	Cy5-7-Deaza-dATP (β,γ -C) Sodium Salt

**dNMPs
&dNDPs**

dNDP001	.....	dADP 100mM Sodium Solution
dNDP002	.....	dGDP 100mM Sodium Solution
dNDP003	.....	dCDP 100mM Sodium Solution
dNDP004	.....	dTDP 100mM Sodium Solution
dNDP005	.....	dADP Disodium Salt
dNDP006	.....	dGDP Disodium Salt
dNDP007	.....	dCDP Disodium Salt
dNDP008	.....	dTDP Disodium Salt
dNMP001	.....	dAMP 100mM Sodium Solution
dNMP002	.....	dGMP 100mM Sodium Solution
dNMP003	.....	dCMP 100mM Sodium Solution
dNMP004	.....	dTMP 100mM Sodium Solution
dNMP005	.....	3'-O-azidomethyl-dAMP Sodium Salt
dNMP006	.....	3'-O-azidomethyl-dGMP Sodium Salt
dNMP007	.....	3'-O-azidomethyl-dCMP Sodium Salt
dNMP008	.....	3'-O-azidomethyl-dTMP Sodium Salt
dNMP009	.....	dGMP Disodium Salt
dNMP010	.....	dUMP 100mM Sodium Solution
dNMP011	.....	dUMP Disodium Salt
dNMP012	.....	dAMP Disodium Salt
dNMP013	.....	dCMP Disodium Salt
dNMP014	.....	dTMP Disodium Salt

ddNTPs

ddNTP001	.....	ddATP 100mM Sodium solution
ddNTP002	.....	ddGTP 100mM Sodium solution
ddNTP003	.....	ddCTP 100mM Sodium solution
ddNTP004	.....	5-CF ₃ -ddUTP 100mM Sodium solution
ddNTP005	.....	3'-Azido-ddATP 100mM Sodium solution
ddNTP006	.....	3'-Azido-ddGTP 100mM Sodium solution
ddNTP007	.....	3'-Azido-ddCTP 100mM Sodium solution
ddNTP008	.....	3'-Azido-ddTTP 100mM Sodium solution
ddNTP009	.....	AcyNTP-Mix (10 mM each) Sodium Solution
ddNTP010	.....	ddUTP 100mM Sodium Solution
ddNTP011	.....	AcyNTP-Mix (25 mM each) Sodium Solution
ddNTP012	.....	ddTTP 100mM Sodium Solution