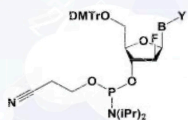


Phosphoramidites modified nucleosides

Phosphoramidites, distinguished by their heightened reactivity towards nucleophiles catalyzed by weak acids like triethylammonium chloride or 1H-tetrazole, are pivotal in nucleoside modification. In these reactions, the NR₂ moiety is seamlessly replaced by incoming nucleophiles. Our nucleoside phosphoramidites undergo meticulous manufacturing and packaging, ensuring optimal performance on commercial oligonucleotide synthesizers.

Each batch is accompanied by a Certificate of Analysis (COA) and Specification (Spec.), providing comprehensive insights from our quality control testing. The purities of our phosphoramidite-modified nucleosides exceed an impressive 99% (HPLC). And the moisture content maintained at less than 0.3% (NMR). This commitment to precision and quality underscores our dedication to advancing synthesis technologies and ensuring reliable outcomes in diverse applications.

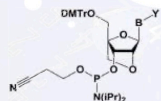
FANA Phosphoramidite



B = Base (A, C, G, U)

Y = Null, Ac, Bz, iBu, etc.

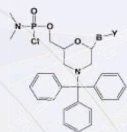
2'-O⁴-C-Locked Phosphoramidite



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

Y = Null, Ac, Bz, dmf, iBu, PhAc, Pac, Tac, etc.

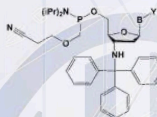
PMO Phosphoramidite



B = Base (A, C, G, T)

Y = Null, Bz, Ac, iBu, dmf, PhAc, Pac, Tac, etc.

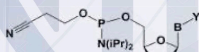
3'-TrNH Phosphoramidite



B = Base (A, C, G, T)

Y = Null, Ac, Bz, dmf, iBu, etc.

ddN Phosphoramidite



B = Base (A, C, G, T)

Y = Null, Ac, Bz, dmf, iBu, etc.

U-genes

U-genes

Nucleoside Phosphoramidites
& Labeled Nucleotides

Shenzhen U-genes Biotechnology Co., Ltd.

☞ Suite 201, Building 3, Anbo Innovation Industrial Park,

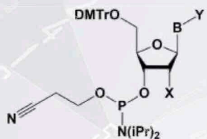
No. 2 Baolong 4th Road, Shenzhen, China, 518116

🌐 Website: <http://www.u-genes.com/>

☎ Tel: +86 755 84644912

☎ Fax: +86 755 84644912

✉ Email: contact@u-genes.com



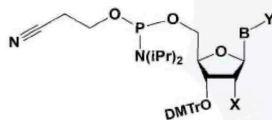
B = Base (A, C, G, U, pU, I, T, abasic)

X = H, Fluoro, OMe, OTBDMS, OMOE, O-Propargyl, TOM, PivOM, etc.

Y = Null, Me, NH₂, Ac, Bz, dmf, iBu, PhAc, Pac, Tac, etc.

Catalog ID of normal/modified Phosphoramidite

Name	Catalog ID
DMT-dA(Bz)-CE Phosphoramidite	204001
DMT-dA(dma)-CE Phosphoramidite	204002
DMT-dG(iBu)-CE Phosphoramidite	204003
DMT-dG(dmf)-CE Phosphoramidite	204004
5-Me-DMT-dC(Bz)-CE Phosphoramidite	204005
5-Me-DMT-dC(Ac)-CE Phosphoramidite	204006
N ⁶ -Me-DMT-dA-CE Phosphoramidite	204007
DMT-dT-CE Phosphoramidite	204008
DMT-dI-CE Phosphoramidite	204009
DMT-dU-CE Phosphoramidite	204010
DMT-dC(Bz)-CE Phosphoramidite	204011
DMT-dC(Ac)-CE Phosphoramidite	204012
2'-O-TBDMS-A(Bz)-CE Phosphoramidite	204013
2'-O-TBDMS-C(Bz)-CE Phosphoramidite	204014
2'-O-TBDMS-C(Ac)-CE Phosphoramidite	204015
2'-O-TBDMS-G(Bu)-CE Phosphoramidite	204016
2'-O-TBDMS-G(dmf)-CE Phosphoramidite	204017
2'-O-TBDMS-U-CE Phosphoramidite	204018
2'-O-TBDMS-I-CE Phosphoramidite	204019
DMT-2'-F-dA(Bz)-CE Phosphoramidite	204020
DMT-2'-F-dG(Bu)-CE Phosphoramidite	204021
DMT-2'-F-dG(dmf)-CE Phosphoramidite	204022
DMT-2'-F-dC(Bz)-CE Phosphoramidite	204023
DMT-2'-F-dC(Ac)-CE Phosphoramidite	204024
DMT-2'-F-dU-CE Phosphoramidite	204025
DMT-2'-F-dI-CE Phosphoramidite	204026
DMT-2'-O-Me-dG(iBu)-CE Phosphoramidite	204027
DMT-2'-O-Me-dG(dmf)-CE Phosphoramidite	204028
DMT-2'-O-Me-dC(Bz)-CE Phosphoramidite	204029
DMT-2'-O-Me-dU-CE Phosphoramidite	204030
DMT-2'-O-Me-dI-CE Phosphoramidite	204031
5-Me-DMT-2'-O-Me-dC(Bz)-CE Phosphoramidite	204032
5-Me-DMT-2'-O-Me-dC(Ac)-CE Phosphoramidite	204033
5-Me-DMT-2'-O-Me-dU-CE Phosphoramidite	204034
DMT-2'-O-MOE-dA(Bz)-CE Phosphoramidite	204035
DMT-2'-O-MOE-dG(iBu)-CE Phosphoramidite	204036
5-Me-DMT-2'-O-MOE-dC(Bz)-CE Phosphoramidite	204037
5-Me-DMT-2'-O-MOE-dC(Ac)-CE Phosphoramidite	204038
5-Me-DMT-2'-O-MOE-dU-CE Phosphoramidite	204039
2'-OMe-rA(N-Bz) CEP	204040
2'-OMe-rC(N-Ac) CEP	204041
2'-OMe-rG(N-Ac) CEP	204042
MOE-C	204043
Thymidine-DMTr-3'-CEP (DMTr-T-CEP)	204044
5'-O-Methyl-deoxyadenosine (N-Bz)-DMTr-CEP	204045
5'-O-Methyl-deoxycytidine (N-Bz)-DMTr-CEP	204046
5'-O-Methyl-deoxyguanosine (N-iBu)-DMTr-CEP	204047
5'-O-Methyl-thymidine-DMTr-CEP	204048
8-OXO-dG(N-dmf)-DMTr-CEP	204049
7-deaza-dG-CEP	204050
DMT-PPG(dmf) CEP	204051
DMT-LocG(iBu) CEP	204052
rG(Ac) CEP	204053
iOctU CEP	204054



B = Base (A, C, G, U, pU, I, T, abasic)

X = H, Fluoro, OMe, OTBDMS, OMOE, O-Propargyl, TOM, PivOM, etc.

Y = Null, Me, NH₂, Ac, Bz, dmf, iBu, PhAc, Pac, Tac, etc.

Catalog ID of 5'-Phosphoramidite

Name	Catalog ID
Deoxyadenosine (N-Bz)-DMTr-5'-CEP	204201
Deoxyadenosine (N-PAC)-DMTr-5'-CEP	204202
Deoxycytidine (N-Ac)-DMTr-5'-CEP	204203
Deoxycytidine (N-Bz)-DMTr-5'-CEP	204204
Deoxyguanosine (N-DMF)-DMTr-5'-CEP	204205
Deoxyguanosine (N-iBu)-DMTr-5'-CEP	204206
Thymidine-DMTr-5'-CEP	204207
2',3'-Dideoxyadenosine (N-Bz)-DMTr-5'-CEP	204208
2',3'-Dideoxycytidine (N-Bz)-DMTr-5'-CEP	204209
2',3'-Dideoxyguanosine (N-iBu)-DMTr-5'-CEP	204210
2',3'-Dideoxythymidine-DMTr-5'-CEP	204211

Catalog ID of 2'-Phosphoramidite

Name	Catalog ID
3'-O-DMTr-α-L-threofuranosyl-G(dmf)-2'-CE Phosphoramidite	204301
3'-O-DMTr-α-L-threofuranosyl-G(iBu)-2'-CE Phosphoramidite	204302

Catalog ID of FANA Phosphoramidite

Name	Catalog ID
2'-F-dT-ANA-3'-CE-Phosphoramidite (White, off-white to light yellow powder)	205001
2'-F-dU-ANA-CE-Phosphoramidite (White to off white powder)	205002
2'-F-dC(Ac)-ANA-CE-Phosphoramidite (White to off white powder)	205003
2'-F-dG(iBu)-ANA-CE-Phosphoramidite (White to off white powder)	205004
2'-F-dA(Bz)-ANA-CE-Phosphoramidite (White to off white powder)	205005

Catalog ID of 2'-O-4'-C-Locked Phosphoramidite

Name	Catalog ID
2'-O-4'-C-Locked-A(Bz)-CE Phosphoramidite (Off-white to yellow powder)	206001
2'-O-4'-C-Locked-5-Me-C(Bz)-CE Phosphoramidite (Off-white to yellow powder)	206002
2'-O-4'-C-Locked-G(dmf)-CE Phosphoramidite (Off-white to yellow powder)	206003
2'-O-4'-C-Locked-T-CE Phosphoramidite (Off-white to yellow powder)	206004

Catalog ID of PMO Phosphoramidite

Name	Catalog ID
Morpholino-A(Bz) Subunit (PMO-A(Bz)) (White to faint-yellow powder)	207001
Morpholino-G(PhAc) Subunit (PMO-G(PhAc)) (White to yellow powder)	207002
Morpholino-C(Bz) Subunit (PMO-C(Bz)) (White to faint-yellow powder)	207003
Morpholino-T Subunit (PMO-T) (White to faint-yellow powder)	207004
O ⁶ -NPE-N ³ -iBu protected G PMO Monomer (White to faint-yellow powder)	207005

Catalog ID of 3'-TrNH Phosphoramidite

Name	Catalog ID
3'-NH-Tr-2',3'-ddT-5'-CE-Phosphoramidite (Off-white to yellow powder)	208001
3'-NH-Tr-2',3'-ddG(iBu)-5'-CE-Phosphoramidite (Off-white to yellow powder)	208002
3'-NH-Tr-2',3'-ddC(Bz)-5'-CE-Phosphoramidite (Off-white to yellow powder)	208003
3'-NH-Tr-2',3'-ddA(dmf)-5'-CE-Phosphoramidite (Off-white to yellow powder)	208004

Catalog ID of 5'-ddN Phosphoramidite

Name	Catalog ID
2',3'-ddG(iBu)-5'-CE-Phosphoramidite	208101
2',3'-ddA(dmf)-5'-CE-Phosphoramidite	208102
2',3'-ddT-5'-CE-Phosphoramidite	208103

Catalog ID of labeled nucleotides

Name	Catalog ID
Biotin-11-dUTP (1 mM Solution, 50 μL)	210001
Biotin-14-dUTP (1 mM Solution, 50 μL)	210002
Biotin-16-dUTP (1 mM Solution, 50 μL)	210003
Sulfo-Cy3-dUTP	210004
Sulfo-Cy5-dUTP	210005
Sulfo-Cy7-dUTP	210006
Biotin-11-dTTP (1 mM Solution, 50 μL)	210007
Biotin-14-dTTP (1 mM Solution, 50 μL)	210008
Biotin-16-dTTP (1 mM Solution, 50 μL)	210009
Sulfo-Cy3-dTTP	210010
Sulfo-Cy5-dTTP	210011
Sulfo-Cy7-dTTP	210012
Biotin-11-UTP (1 mM Solution, 50 μL)	210013
Biotin-14-UTP (1 mM Solution, 50 μL)	210014
Biotin-16-UTP (1 mM Solution, 50 μL)	210015
Sulfo-Cy3-UTP	210016
Sulfo-Cy5-UTP	210017
Sulfo-Cy7-UTP	210018
Sulfo-Cy3-ddUTP	210019
Sulfo-Cy5-ddUTP	210020
dT-UGO532	210021
dA-IF700	210022
dC-IF700	210023
dT-PEG4-ROX	210024
dA-UGO532	210025
dG-Cy5	210026