



PHOSPHORAMIDITES

PRODUCT CATALOG



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.

DEVELOPMENT HISTORY

1

2021.01

Moved into the new location with more than 20000 m².

2

2021.10

Anhui site was qualified to manufacture GMP raw materials at metric ton scale.

3

2022.03

Raised over 300 million RMB in Series A+ funding.

4

2022.06

Drug Master Files on selected NTPs and cap analogs were filed with FDA.

5

2022.08

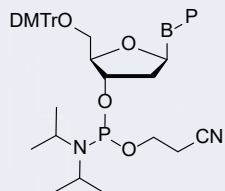
Nominated as a “Unicorn” company by the City of Nanjing.

6

2023.07

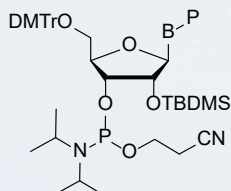
Areterna LLC, Synthgene's US subsidiary, was founded in 2023.

DNA Phosphoramidites



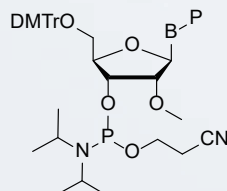
B = A, G, C, U, T, I base
P = Protecting Group

RNA Phosphoramidites



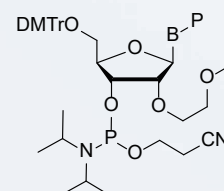
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P = Protecting Group

2'-O-Me Phosphoramidites



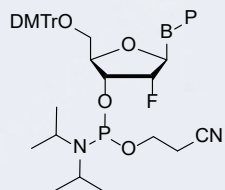
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P = Protecting Group

2'-O-MOE Phosphoramidites



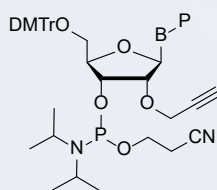
B = A, G, C, U, T base
P = Protecting Group

2'-Fluoro Phosphoramidites



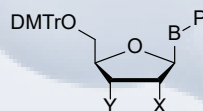
B = A, G, C, U base
P = Protecting Group

2'-O-Propargyl Phosphoramidites



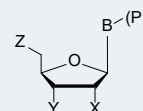
B = A, G, C, U base
P = Protecting Group

Modified DNA/RNA Phosphoramidites



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, O-Propargyl, NH₂, N₃, etc.

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, ODMTr, OAc, OBz, etc.

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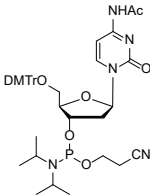
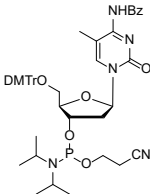
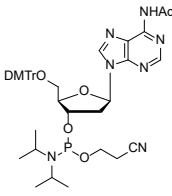
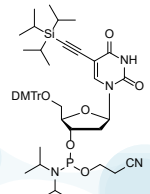
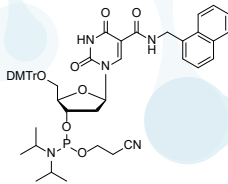


DNA Phosphoramidites

SKU	CAS No.	Product Name	Structure	Purity	Specifications
PA001-10 PA001-100 PA001-1K	93183-15-4	DMTr-dG(iBu)-3'-CE -Phosphoramidite		≥98%	10g 100g 1kg
PA002-10 PA002-100 PA002-1K	98796-51-1	DMTr-dT-3'-CE -Phosphoramidite		≥98%	10g 100g 1kg
PA003-10 PA003-100 PA003-1K	98796-53-3	DMTr-dA(Bz)-3'-CE -Phosphoramidite		≥98%	10g 100g 1kg
PA004-10 PA004-100 PA004-1K	102212-98-6	DMTr-dC(Bz)-3'-CE -Phosphoramidite		≥98%	10g 100g 1kg
PA005-10 PA005-100 PA005-1K	330628-04-1	DMTr-dG(dmf)-3'-CE -Phosphoramidite		≥98%	10g 100g 1kg

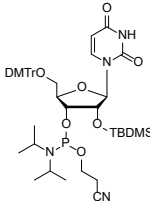
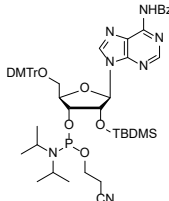
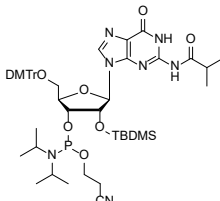
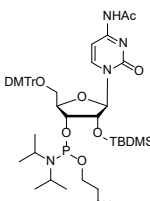
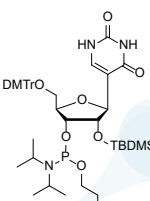


DNA Phosphoramidites

SKU	CAS No.	Product Name	Structure	Purity	Specifications
PA006-10 PA006-100 PA006-1K	154110-40-4	DMTr-dC(Ac)-3'-CE-Phosphoramidite		≥98%	10g 100g 1kg
PA029-10 PA029-100 PA029-1K	105931-57-5	DMTr-5-Me-dC(Bz)-3'-CE-Phosphoramidite		≥98%	10g 100g 1kg
PA030-10 PA030-100 PA030-1K	1027734-01-5	DMTr-dA(Ac)-3'-CE-Phosphoramidite		≥98%	10g 100g 1kg
PA037-10 PA037-100 PA037-1K	1472616-97-9	DMTr-5-Ethynyl-TIPS-dU-3'-CE-Phosphoramidite		≥98%	10g 100g 1kg
PA053-1 PA053-2 PA053-5	2133842-85-8	DMTr-5-[N-(naphthalen-2-ylmethyl)formamide]-dU-3'-CE-Phosphoramidite		≥98%	1g 2g 5g



RNA (2'-O-TBDMS) Phosphoramidites

SKU	CAS No.	Product Name	Structure	Purity	Specifications
PA007-10 PA007-100 PA007-1K	118362-03-1	DMTr-2'-O-TBDMS-rU-3'-CE-Phosphoramidite		≥98%	10g 100g 1kg
PA008-10 PA008-100 PA008-1K	104992-55-4	DMTr-2'-O-TBDMS-rA(Bz)-3'-CE-Phosphoramidite		≥98%	10g 100g 1kg
PA009-10 PA009-100 PA009-1K	147201-04-5	DMTr-2'-O-TBDMS-rG(iBu)-3'-CE-Phosphoramidite		≥98%	10g 100g 1kg
PA010-10 PA010-100 PA010-1K	121058-88-6	DMTr-2'-O-TBDMS-rC(Ac)-3'-CE-Phosphoramidite		≥98%	10g 100g 1kg
PA024-10 PA024-100 PA024-1K	163496-23-9	DMTr-2'-O-TBDMS-pseudoU-3'-CE-Phosphoramidite		≥98%	10g 100g 1kg

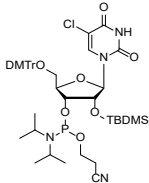
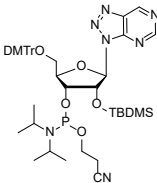


RNA (2'-O-TBDMS) Phosphoramidites

SKU	CAS No.	Product Name	Structure	Purity	Specifications
PA025-10 PA025-100 PA025-1K	875302-45-7	DMTr-2'-O-TBDMS-N ¹ -Me-pseudoU -3'-CE-Phosphoramidite		≥98%	10g 100g 1kg
PA026-10 PA026-100 PA026-1K	588698-79-7	DMTr-2'-O-TBDMS-N ⁶ -Me-rA-3' -CE- Phosphoramidite		≥98%	10g 100g 1kg
PA036-10 PA036-100 PA036-1K	118380-84-0	DMTr-2'-O-TBDMS-rC(Bz)-3'-CE -Phosphoramidite		≥98%	10g 100g 1kg
PA046-10 PA046-100 PA046-1K	N/A	DMTr-2'-O-TBDMS-5-OMe-rU-3' -CE-Phosphoramidite		≥98%	10g 100g 1kg
PA054-10 PA054-100 PA054-1K	173241-78-6	DMTr-2'-O-TBDMS-5-F-rU-3' -CE-Phosphoramidite		≥98%	10g 100g 1kg

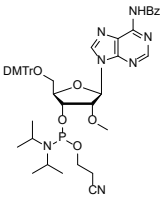
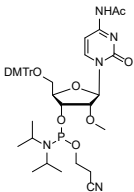
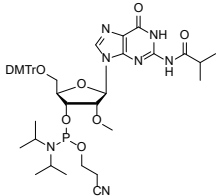
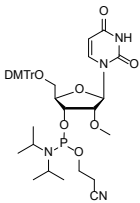
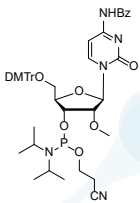


RNA (2'-O-TBDMS) Phosphoramidites

SKU	CAS No.	Product Name	Structure	Purity	Specifications
PA058-1 PA058-10 PA058-100	N/A	DMTr-2'-O-TBDMS-5-Cl-rU-3'-CE-Phosphoramidite		≥98%	1g 10g 100g
PA073-1 PA073-2 PA073-5 PA073-10 PA073-100	771494-03-2	DMTr-2'-O-TBDMS-8-azanebularine-3'-CE-Phosphoramidite		≥98%	1g 2g 5g 10g 100g



2'-O-Me Phosphoramidites

SKU	CAS No.	Product Name	Structure	Purity	Specifications
PA011-10 PA011-100 PA011-1K	110782-31-5	DMTr-2'-O-Me-rA(Bz)-3'-CE -Phosphoramidite		≥98%	10g 100g 1kg
PA012-10 PA012-100 PA012-1K	199593-09-4	DMTr-2'-O-Me-rC(Ac)-3'-CE -Phosphoramidite		≥98%	10g 100g 1kg
PA013-10 PA013-100 PA013-1K	150780-67-9	DMTr-2'-O-Me-rG(iBu)-3'-CE -Phosphoramidite		≥98%	10g 100g 1kg
PA014-10 PA014-100 PA014-1K	110764-79-9	DMTr-2'-O-Me-rU-3'-CE -Phosphoramidite		≥98%	10g 100g 1kg
PA035-10 PA035-100 PA035-1K	110764-78-8	DMTr-2'-O-Me-rC(Bz)-3'-CE -Phosphoramidite		≥98%	10g 100g 1kg

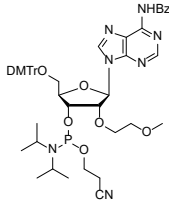
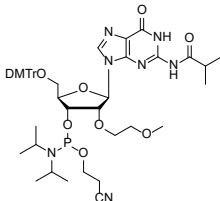
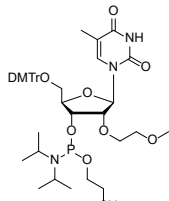
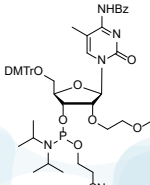
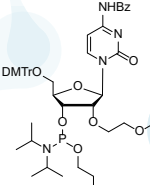


2'-O-Me Phosphoramidites

SKU	CAS No.	Product Name	Structure	Purity	Specifications
PA028-1 PA028-2 PA028-5 PA028-10 PA028-100	128219-85-2	DMTr-2'-O-Me-ri-3'-CE-Phosphoramidite		≥98%	1g 2g 5g 10g 100g
PA051-10 PA051-100 PA051-1K	2419895-65-9	5'-POM-(E)-vinyl phosphonate-2'-O-Me-rA(Bz)-3'-CE-Phosphoramidite		≥98%	10g 100g 1kg
PA052-10 PA052-100 PA052-1K	2172373-55-4	5'-POM-(E)-vinyl phosphonate-2'-O-Me-rU-3'-CE-Phosphoramidite		≥98%	10g 100g 1kg
PA064-10 PA064-100 PA064-1K	N/A	DMTr-2'-O-Me-N2-iBu-N6-dmf-2-amido-rA-3'-CE-Phosphoramidite		≥98%	10g 100g 1kg



2'-O-MOE Phosphoramidites

SKU	CAS No.	Product Name	Structure	Purity	Specifications
PA015-10 PA015-100 PA015-1K	251647-53-7	DMTr-2'-O-MOE-rA(Bz)-3'-CE-Phosphoramidite		≥98%	10g 100g 1kg
PA016-10 PA016-100 PA016-1K	251647-55-9	DMTr-2'-O-MOE-rG(iBu)-3'-CE-Phosphoramidite		≥98%	10g 100g 1kg
PA017-10 PA017-100 PA017-1K	163878-63-5	DMTr-2'-O-MOE-rT-3'-CE-Phosphoramidite		≥98%	10g 100g 1kg
PA018-10 PA018-100 PA018-1K	163759-94-2	DMTr-2'-O-MOE-5-Me-rC(Bz)-3'-CE-Phosphoramidite		≥98%	10g 100g 1kg
PA042-10 PA042-100 PA042-1K	251647-54-8	DMTr-2'-O-MOE-rC(Bz)-3'-CE-Phosphoramidite		≥98%	10g 100g 1kg



2'-Fluoro Phosphoramidites

SKU	CAS No.	Product Name	Structure	Purity	Specifications
PA019-10 PA019-100 PA019-1K	146954-75-8	DMTr-2'-F-dU-3'-CE -Phosphoramidite		≥98%	10g 100g 1kg
PA020-10 PA020-100 PA020-1K	159414-99-0	DMTr-2'-F-dC(Ac)-3'-CE -Phosphoramidite		≥98%	10g 100g 1kg
PA021-10 PA021-100 PA021-1K	136834-22-5	DMTr-2'-F-dA(Bz)-3'-CE -Phosphoramidite		≥98%	10g 100g 1kg
PA022-10 PA022-100 PA022-1K	144089-97-4	DMTr-2'-F-dG(iBu)-3'-CE -Phosphoramidite		≥98%	10g 100g 1kg
PA023-10 PA023-100 PA023-1K	161442-19-9	DMTr-2'-F-dC(Bz)-3'-CE -Phosphoramidite		≥98%	10g 100g 1kg

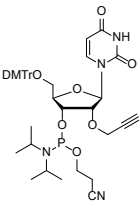
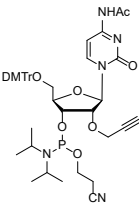
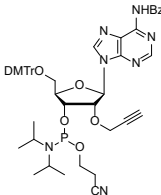
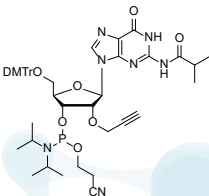


2'-Fluoro Phosphoramidites

SKU	CAS No.	Product Name	Structure	Purity	Specifications
PA048-10 PA048-100 PA048-1K	182700-06-7	DMTr-2'-F-dT-3'-CE -Phosphoramidite		≥98%	10g 100g 1kg

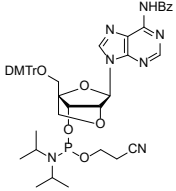
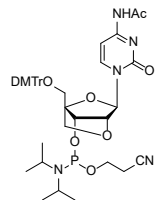
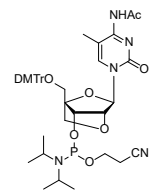
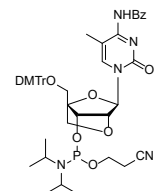
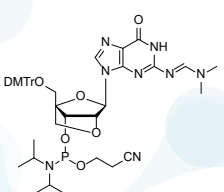


2'-O-Propargyl Phosphoramidites

SKU	CAS No.	Product Name	Structure	Purity	Specifications
PA034-10 PA034-100 PA034-1K	171486-62-7	DMTr-2'-O-propargyl-rU-3'-CE-Phosphoramidite		≥98%	10g 100g 1kg
PA039-1 PA039-2 PA039-5 PA039-10 PA039-100	1498305-51-3	DMTr-2'-O-propargyl-rC(Ac)-3'-CE-Phosphoramidite		≥98%	1g 2g 5g 10g 100g
PA040-1 PA040-2 PA040-5 PA040-10 PA040-100	171486-59-2	DMTr-2'-O-propargyl-rA(Bz)-3'-CE-Phosphoramidite		≥98%	1g 2g 5g 10g 100g
PA041-1 PA041-2 PA041-5 PA041-10 PA041-100	171486-61-6	DMTr-2'-O-propargyl-rG(iBu)-3'-CE-Phosphoramidite		≥98%	1g 2g 5g 10g 100g

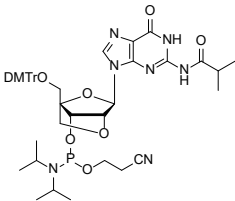
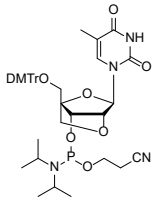
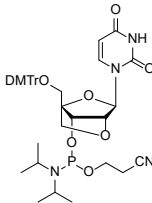


LNA Phosphoramidites

SKU	CAS No.	Product Name	Structure	Purity	Specifications
PA045-10 PA045-100 PA045-1K	206055-79-0	DMTr-2'-O-4'-C-Locked-rA(Bz) -3'-CE-Phosphoramidite		≥98%	10g 100g 1kg
PA049-10 PA049-100 PA049-1K	N/A	DMTr-2'-O-4'-C-Locked- rC(Ac)-3'-CE-Phosphoramidite		≥98%	10g 100g 1kg
PA067-10 PA067-100 PA067-1K	N/A	DMTr-2'-O-4'-C-Locked-5-Me -rC(Ac)-3'-CE-Phosphoramidite		≥98%	10g 100g 1kg
PA068-10 PA068-100 PA068-1K	206055-82-5	DMTr-2'-O-4'-C-Locked-5-Me -rC(Bz)-3'-CE-Phosphoramidite		≥98%	10g 100g 1kg
PA069-10 PA069-100 PA069-1K	709641-79-2	DMTr-2'-O-4'-C-Locked-rG(dmf) -3'-CE-Phosphoramidite		≥98%	10g 100g 1kg

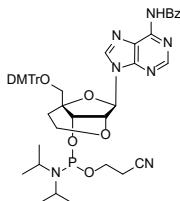
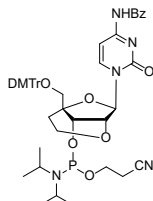
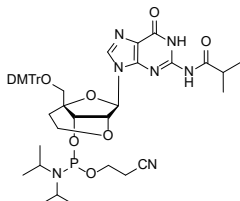
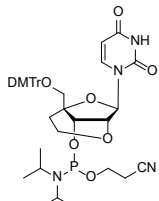


LNA Phosphoramidites

SKU	CAS No.	Product Name	Structure	Purity	Specifications
PA070-10 PA070-100 PA070-1K	206055-77-8	DMTr-2'-O-4'-C-Locked-rG(iBu) -3'-CE-Phosphoramidite		≥98%	10g 100g 1kg
PA071-10 PA071-100 PA071-1K	206055-75-6	DMTr-2'-O-4'-C-Locked-rT -3'-CE-Phosphoramidite		≥98%	10g 100g 1kg
PA072-10 PA072-100 PA072-1K	206055-76-7	DMTr-2'-O-4'-C-Locked-rU -3'-CE-Phosphoramidite		≥98%	10g 100g 1kg



ENA Phosphoramidites

SKU	CAS No.	Product Name	Structure	Purity	Specifications
PA059-0.25 PA059-0.5 PA059-1 PA059-2 PA059-5	N/A	DMTr-2'-O-4'-C-ethylene- rA(Bz)-3'-CE-Phosphoramidite		≥98%	0.25g 0.5g 1g 2g 5g
PA060-0.25 PA060-0.5 PA060-1 PA060-2 PA060-5	N/A	DMTr-2'-O-4'-C-ethylene- rC(Bz)-3'-CE-Phosphoramidite		≥98%	0.25g 0.5g 1g 2g 5g
PA061-0.25 PA061-0.5 PA061-1 PA061-2 PA061-5	N/A	DMTr-2'-O-4'-C-ethylene- rG(iBu)-3'-CE-Phosphoramidite		≥98%	0.25g 0.5g 1g 2g 5g
PA062-0.25 PA062-0.5 PA062-1 PA062-2 PA062-5	N/A	DMTr-2'-O-4'-C-ethylene- rU-3'-CE-Phosphoramidite		≥98%	0.25g 0.5g 1g 2g 5g



2'-O-TOM Phosphoramidites

SKU	CAS No.	Product Name	Structure	Purity	Specifications
PA063-10 PA063-100 PA063-1K	872548-56-6	DMTr-2'-O-TOM-N ² -MeOAc-N ⁶ -iBu-rA-3'-CE-Phosphoramidite		≥98%	10g 100g 1kg



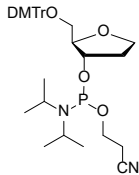
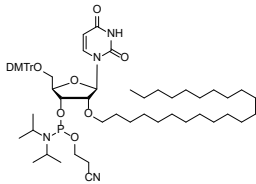
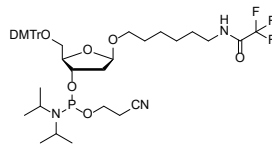
Other Phosphoramidites

SKU	CAS No.	Product Name	Structure	Purity	Specifications
PA027-1 PA027-2 PA027-5 PA027-10 PA027-100	2382942-35-8	DMTr-2'-O-C16-rA(Bz)-3'-CE -Phosphoramidite		≥98%	1g 2g 5g 10g 100g
PA032-10 PA032-100 PA032-1K	2382942-78-9	DMTr-2'-O-C6-rU-3'-CE -Phosphoramidite		≥98%	10g 100g 1kg
PA038-1 PA038-2 PA038-5 PA038-10 PA038-100	2382942-83-6	DMTr-2'-O-C16-rU-3'-CE -Phosphoramidite		≥98%	1g 2g 5g 10g 100g
PA043-1 PA043-2 PA043-5 PA043-10 PA043-100	2382942-32-5	DMTr-2'-O-C16-rG(iBu)-3'- CE-Phosphoramidite		≥98%	1g 2g 5g 10g 100g

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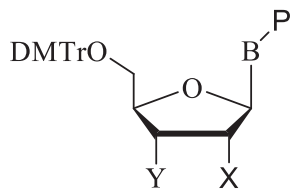


Other Phosphoramidites

SKU	CAS No.	Product Name	Structure	Purity	Specifications
PA056-10 PA056-100 PA056-1K	129821-76-7	Abasic Phosphoramidite		≥98%	10g 100g 1kg
PA065-0.5 PA065-1 PA065-2 PA065-5 PA065-10	2923115-86-8	DMTr-2'-O-C22-rU-3'-CE-Phosphoramidite		≥98%	0.5g 1g 2g 5g 10g
PA066-0.5 PA066-1 PA066-2 PA066-5 PA066-10	N/A	DMTr-1'-O-C6-NHTFA-2'-Deoxyribose-3'-CE-Phosphoramidite		≥98%	0.5g 1g 2g 5g 10g

Types of Modified Phosphoramidites

Milligram to kilogram customization available for normal and modified phosphoramidites.



Normal/Modified Nucleoside

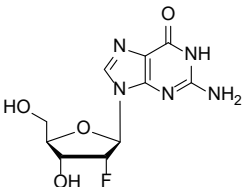
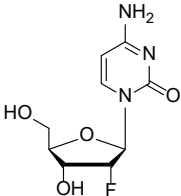
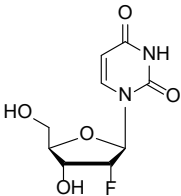
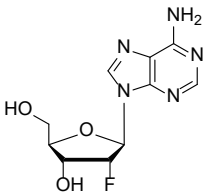
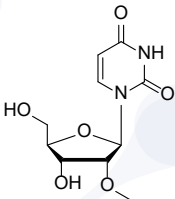
B=Base(A,C,G,T,U,I,X,Pu,iso-C,iso-G)

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.

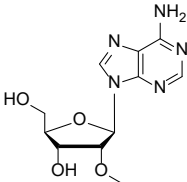
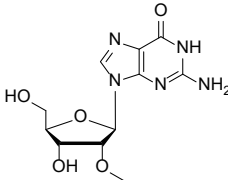
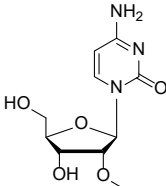
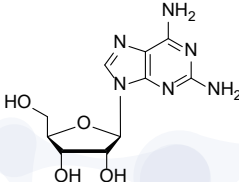
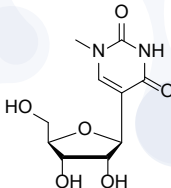


Modified Nucleosides

SKU	Classification	CAS No.	Product Name	Structure	Purity	Specifications
NS008-10 NS008-100 NS008-1K	2'-F Nucleosides	78842-13-4	2'-F-dG		≥98%	10g 100g 1kg
NS009-10 NS009-100 NS009-1K NS009-10K NS009-100K	2'-F Nucleosides	10212-20-1	2'-F-dC		≥98%	10g 100g 1kg 10kg 100kg
NS010-10 NS010-100 NS010-1K NS010-10K NS010-100K	2'-F Nucleosides	784-71-4	2'-F-dU		≥99%	10g 100g 1kg 10kg 100kg
NS014-10 NS014-100 NS014-1K	2'-F Nucleosides	64183-27-3	2'-F-dA		≥98%	10g 100g 1kg
NS005-10 NS005-100 NS005-1K NS005-10K	2'-O-Me Nucleosides	2140-76-3	2'-O-Me-rU		≥99%	10g 100g 1kg 10kg

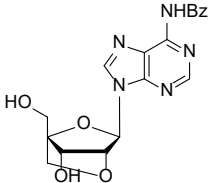
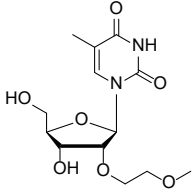
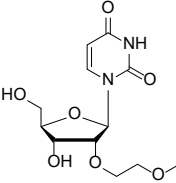
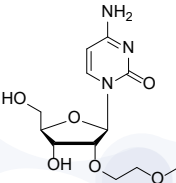
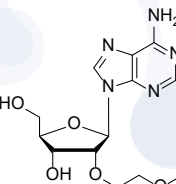


Modified Nucleosides

SKU	Classification	CAS No.	Product Name	Structure	Purity	Specifications
NS012-10 NS012-100 NS012-1K NS012-10K	2'-O-Me Nucleosides	2140-79-6	2'-O-Me-rA		≥98%	10g 100g 1kg 10kg
NS013-10 NS013-100 NS013-1K NS013-10K	2'-O-Me Nucleosides	2140-71-8	2'-O-Me-rG		≥98%	10g 100g 1kg 10kg
NS024-10 NS024-100 NS024-1K	2'-O-Me Nucleosides	2140-72-9	2'-O-Me-rC		≥98%	10g 100g 1kg
NS018-10 NS018-100 NS018-1K	Amino Modified Nucleosides	2096-10-8	2-NH ₂ -rA		≥98%	10g 100g 1kg
NS015-10 NS015-100 NS015-1K	Iso Nucleosides	13860-38-3	N1-Me -Pseudouridine		≥98%	10g 100g 1kg

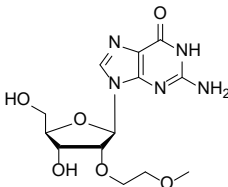
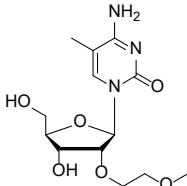
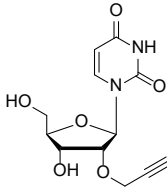
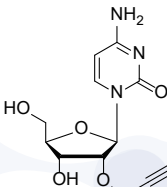
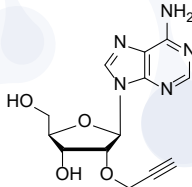


Modified Nucleosides

SKU	Classification	CAS No.	Product Name	Structure	Purity	Specifications
NS038-1 NS038-10 NS038-100	LNA Nucleosides	209968-94-5	2'-O-4'-C-Locked -rA(Bz)		≥98%	1g 10g 100g
NS037-10 NS037-100 NS037-1K	2'-O-MOE Nucleosides	163759-49-7	2'-O-MOE-5-Me-rU		≥98%	10g 100g 1kg
NS040-10 NS040-100 NS040-1K	2'-O-MOE Nucleosides	223777-15-9	2'-O-MOE-rU		≥98%	10g 100g 1kg
NS041-10 NS041-100 NS041-1K	2'-O-MOE Nucleosides	223777-16-0	2'-O-MOE-rC		≥98%	10g 100g 1kg
NS042-10 NS042-100 NS042-1K	2'-O-MOE Nucleosides	168427-74-5	2'-O-MOE-rA		≥98%	10g 100g 1kg

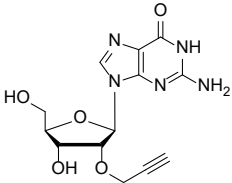
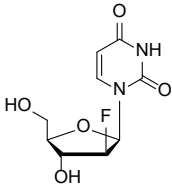
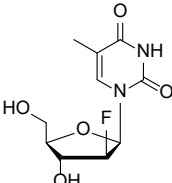
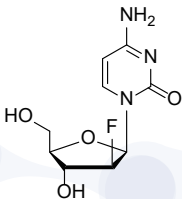
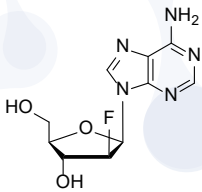


Modified Nucleosides

SKU	Classification	CAS No.	Product Name	Structure	Purity	Specifications
NS043-10 NS043-100 NS043-1K	2'-O-MOE Nucleosides	473278-54-5	2'-O-MOE-rG		≥98%	10g 100g 1kg
NS044-10 NS044-100 NS044-1K	2'-O-MOE Nucleosides	244105-55-3	2'-O-MOE-5-Me-rC		≥98%	10g 100g 1kg
NS045-1 NS045-10 NS045-100	2'-O-propargyl Nucleosides	129778-58-1	2'-O-propargyl-rU		≥98%	1g 10g 100g
NS046-1 NS046-10 NS046-100	2'-O-propargyl Nucleosides	206552-85-4	2'-O-propargyl-rC		≥98%	1g 10g 100g
NS047-1 NS047-10 NS047-100	2'-O-propargyl Nucleosides	151390-97-5	2'-O-propargyl-rA		≥98%	1g 10g 100g

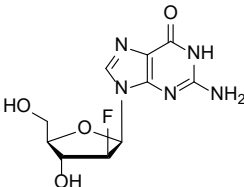
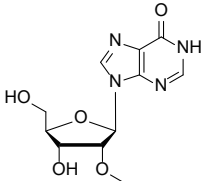
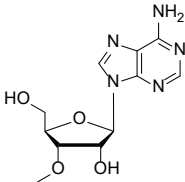
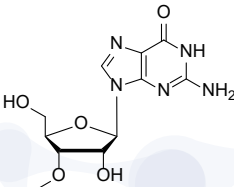
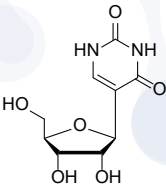


Modified Nucleosides

SKU	Classification	CAS No.	Product Name	Structure	Purity	Specifications
NS048-1 NS048-10 NS048-100	2'-O-propargyl Nucleosides	206552-86-5	2'-O-propargyl-rG		≥98%	1g 10g 100g
NS049-1 NS049-10 NS049-100	2'-FANA Nucleosides	69123-94-0	2'-FANA-dU		≥98%	1g 10g 100g
NS050-1 NS050-10 NS050-100	2'-FANA Nucleosides	69256-17-3	2'-FANA-dT		≥98%	1g 10g 100g
NS051-1 NS051-10 NS051-100	2'-FANA Nucleosides	56632-83-8	2'-FANA-dC		≥98%	1g 10g 100g
NS052-1 NS052-10 NS052-100	2'-FANA Nucleosides	20227-41-2	2'-FANA-dA		≥98%	1g 10g 100g



Modified Nucleosides

SKU	Classification	CAS No.	Product Name	Structure	Purity	Specifications
NS053-1 NS053-10 NS053-100	2'-FANA Nucleosides	103884-98-6	2'-FANA-dG		≥98%	1g 10g 100g
NS094-10 NS094-100 NS094-1K	2'-O-Me Nucleosides	3881-21-8	2'-O-Me-rI		≥98%	10g 100g 1kg
NS068-1	3'-O-Me Nucleosides	10300-22-8	3'-O-Me-rA		≥98%	1g
NS095-10 NS095-100 NS095-1K	3'-O-Me Nucleosides	10300-27-3	3'-O-Me-rG		≥98%	10g 100g 1kg
NS084-10 NS084-100 NS084-1K	Iso Nucleosides	1445-07-4	Pseudouridine		≥98%	10g 100g 1kg



Modified Nucleosides

SKU	Classification	CAS No.	Product Name	Structure	Purity	Specifications
NS065-10 NS065-100 NS065-1K	Anhydro Nucleosides	22423-26-3	5-Me-2, 2'-Anhydro-rU		≥98%	10g 100g 1kg
NS101-1 NS101-2 NS101-5 NS101-10 NS101-25 NS101-50	Halogen Nucleosides	4594-45-0	6-Cl-purine-2'-deoxyriboside		≥98%	1g 2g 5g 10g 25g 50g
NS063-10 NS063-100 NS063-1K	Other Modified Nucleosides	18771-50-1	Tetrahydrouridine		≥98%	10g 100g 1kg
NS064-1 NS064-10 NS064-100	Other Modified Nucleosides	2770244-32-9	N4-OH-5'-O-Butyryl-rC		≥98%	1g 10g 100g
NS066-1	Other Modified Nucleosides	20649-46-1	2',3'-O-Me-rA		≥98%	1g



Modified Nucleosides

SKU	Classification	CAS No.	Product Name	Structure	Purity	Specifications
NS102-1 NS102-10	Other Modified Nucleosides	2155800-37-4	5'-O-DMTr-3'- β -OH -2'-5-Me-dU(Boc)		$\geq 98\%$	1g 10g
NS103-1 NS103-10	Other Modified Nucleosides	135886-29-2	3'- β -F-2'-5-Me-dU		$\geq 98\%$	1g 10g
NS105-1 NS105-10 NS105-100 NS105-1K	Other Modified Nucleosides	N/A	5'-Me-(E)-vinyl phosphonate-3'-O-Me-rG		$\geq 98\%$	1g 10g 100g 1kg

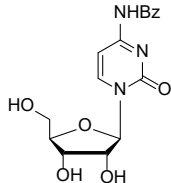
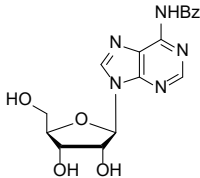
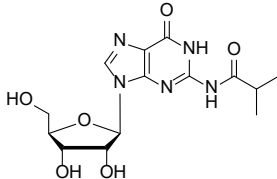
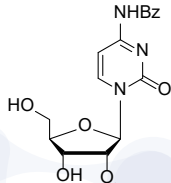
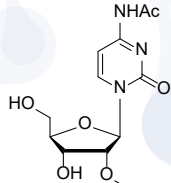


Protected Nucleosides

SKU	Classification	CAS No.	Product Name	Structure	Purity	Specifications
NS007-10 NS007-100 NS007-1K	Base Protected Nucleosides	80681-25-0	2'-F-dG(iBu)		≥98%	10g 100g 1kg
NS011-10 NS011-100 NS011-1K	Base Protected Nucleosides	68892-42-2	2'-dG(iBu)		≥98%	10g 100g 1kg
NS017-10 NS017-100 NS017-1K	Base Protected Nucleosides	85079-00-1	2'-O-Me-rA(Bz)		≥98%	10g 100g 1kg
NS019-10 NS019-100 NS019-1K	Base Protected Nucleosides	4546-72-9	2'-dA(Bz)		≥98%	10g 100g 1kg
NS020-10 NS020-100 NS020-1K	Base Protected Nucleosides	4836-13-9	2'-dC(Bz)		≥98%	10g 100g 1kg

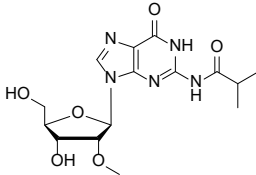
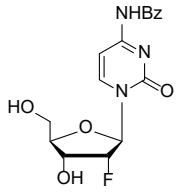
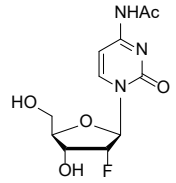
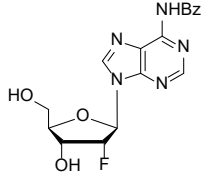
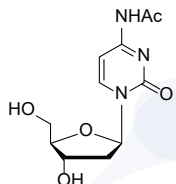


Protected Nucleosides

SKU	Classification	CAS No.	Product Name	Structure	Purity	Specifications
NS021-10 NS021-100 NS021-1K	Base Protected Nucleosides	13089-48-0	rC(Bz)		≥98%	10g 100g 1kg
NS022-10 NS022-100 NS022-1K	Base Protected Nucleosides	4546-55-8	rA(Bz)		≥98%	10g 100g 1kg
NS023-10 NS023-100 NS023-1K	Base Protected Nucleosides	64350-24-9	rG(iBu)		≥98%	10g 100g 1kg
NS025-10 NS025-100 NS025-1K	Base Protected Nucleosides	52571-45-6	2'-O-Me-rC(Bz)		≥98%	10g 100g 1kg
NS026-10 NS026-100 NS026-1K	Base Protected Nucleosides	113886-71-8	2'-O-Me-rC(Ac)		≥98%	10g 100g 1kg

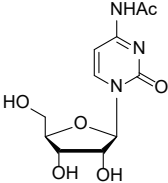
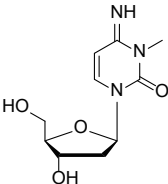
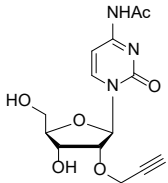
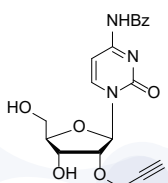
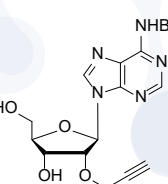


Protected Nucleosides

SKU	Classification	CAS No.	Product Name	Structure	Purity	Specifications
NS027-10 NS027-100 NS027-1K	Base Protected Nucleosides	63264-29-9	2'-O-Me-rG(iBu)		≥98%	10g 100g 1kg
NS028-10 NS028-100 NS028-1K	Base Protected Nucleosides	146954-76-9	2'-F-dC(Bz)		≥98%	10g 100g 1kg
NS029-10 NS029-100 NS029-1K	Base Protected Nucleosides	159414-97-8	2'-F-dC(Ac)		≥98%	10g 100g 1kg
NS030-10 NS030-100 NS030-1K	Base Protected Nucleosides	136834-20-3	2'-F-dA(Bz)		≥98%	10g 100g 1kg
NS035-10 NS035-100 NS035-1K	Base Protected Nucleosides	32909-05-0	2'-dC(Ac)		≥98%	10g 100g 1kg



Protected Nucleosides

SKU	Classification	CAS No.	Product Name	Structure	Purity	Specifications
NS036-10 NS036-100 NS036-1K	Base Protected Nucleosides	3768-18-1	rC(Ac)		≥98%	10g 100g 1kg
NS039-1 NS039-10 NS039-100	Base Protected Nucleosides	5040-21-1	N3-Me-2'-dC		≥98%	1g 10g 100g
NS054-1 NS054-10 NS054-100	Base Protected Nucleosides	1498305-49-9	2'-O-propargyl-rC(Ac)		≥98%	1g 10g 100g
NS055-1 NS055-10 NS055-100	Base Protected Nucleosides	210096-41-6	2'-O-propargyl-rC(Bz)		≥98%	1g 10g 100g
NS056-1 NS056-10 NS056-100	Base Protected Nucleosides	210096-44-9	2'-O-propargyl-rA(Bz)		≥98%	1g 10g 100g



Protected Nucleosides

SKU	Classification	CAS No.	Product Name	Structure	Purity	Specifications
NS057-1 NS057-10 NS057-100	Base Protected Nucleosides	2095417-55-1	2'-O-propargyl-rG(iBu)		≥98%	1g 10g 100g
NS058-10 NS058-100 NS058-1K	Base Protected Nucleosides	2049081-09-4	2'-O-MOE-rC(Ac)		≥98%	10g 100g 1kg
NS059-10 NS059-100 NS059-1K	Base Protected Nucleosides	2305416-18-4	2'-O-MOE-rC(Bz)		≥98%	10g 100g 1kg
NS060-10 NS060-100 NS060-1K	Base Protected Nucleosides	333335-93-6	2'-O-MOE-rA(Bz)		≥98%	10g 100g 1kg
NS061-10 NS061-100 NS061-1K	Base Protected Nucleosides	440327-50-4	2'-O-MOE-rG(iBu)		≥98%	10g 100g 1kg



Protected Nucleosides

SKU	Classification	CAS No.	Product Name	Structure	Purity	Specifications
NS062-10 NS062-100 NS062-1K	Base Protected Nucleosides	340162-93-8	2'-O-MOE-5-Me-rC(Bz)		≥98%	10g 100g 1kg
NS001-10 NS001-100 NS001-1K	TBDMS Protected Nucleosides	99540-94-0	3'-O-TBDMS-2'-dG(iBu)		≥98%	10g 100g 1kg
NS002-10 NS002-100 NS002-1K	TBDMS Protected Nucleosides	51549-40-7	3'-O-TBDMS-2'-dA(Bz)		≥98%	10g 100g 1kg
NS003-10 NS003-100 NS003-1K	TBDMS Protected Nucleosides	149510-44-1	3'-O-TBDMS-2'-5-Me-dC(Bz)		≥98%	10g 100g 1kg
NS004-10 NS004-100 NS004-1K	TBDMS Protected Nucleosides	40733-27-5	3'-O-TBDMS-2'-dT		≥98%	10g 100g 1kg

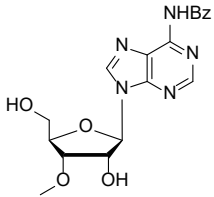
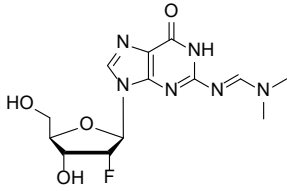
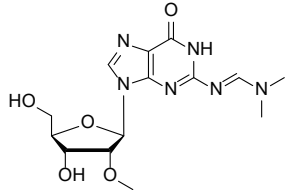
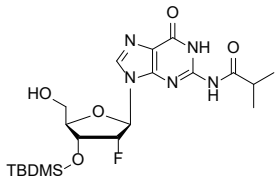
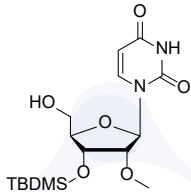


Protected Nucleosides

SKU	Classification	CAS No.	Product Name	Structure	Purity	Specifications
NS006-10 NS006-100 NS006-1K	TBDMS Protected Nucleosides	51549-37-2	3'-O-TBDMS-2'-dC(Bz)		≥98%	10g 100g 1kg
NS016-10 NS016-100 NS016-1K	DMTr Protected Nucleosides	114745-26-5	5'-O-DMTr-2'-O-Me-rG(iBu)		≥98%	10g 100g 1kg
NS031-10 NS031-100 NS031-1K	DMTr Protected Nucleosides	103285-22-9	5'-O-DMTr-2'-O-Me-rU		≥98%	10g 100g 1kg
NS033-10 NS033-100 NS033-1K	Ac Protected Nucleosides	163586-86-5	2',3'-O-Ac-rG(iBu)		≥98%	10g 100g 1kg
NS034-10 NS034-100 NS034-1K	Bz Protected Nucleosides	33485-36-8	5'-O-Bz-rA(Bz)		≥98%	10g 100g 1kg

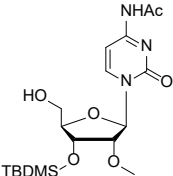
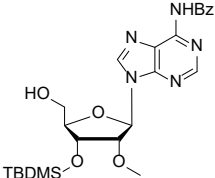
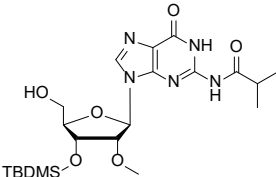
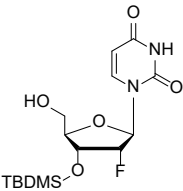
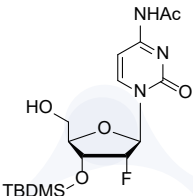


Protected Nucleosides

SKU	Classification	CAS No.	Product Name	Structure	Purity	Specifications
NS072-1	Base Protected Nucleosides	85090-30-8	3'-O-Me-rA(Bz)		≥98%	1g
NS085-1 NS085-10 NS085-100 NS085-1K	Base Protected Nucleosides	N/A	2'-F-dG(DMF)		≥98%	1g 10g 100g 1kg
NS086-1 NS086-10 NS086-100 NS086-1K	Base Protected Nucleosides	183737-04-4	2'-O-Me-rG(DMF)		≥98%	1g 10g 100g 1kg
NS075-10 NS075-100 NS075-1K	TBDMS Protected Nucleosides	N/A	3'-O-TBDMS-2'-F-dG(iBu)		≥98%	10g 100g 1kg
NS077-10 NS077-100 NS077-1K	TBDMS Protected Nucleosides	171268-84-1	3'-TBDMS-2'-O-Me-rU		≥98%	10g 100g 1kg

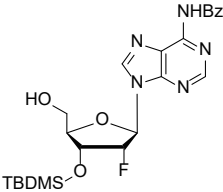
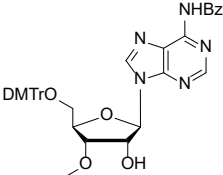
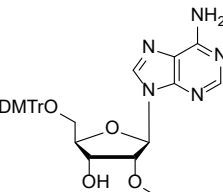
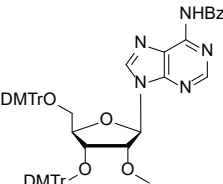
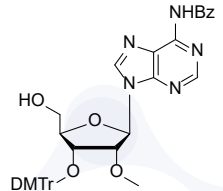


Protected Nucleosides

SKU	Classification	CAS No.	Product Name	Structure	Purity	Specifications
NS087-10 NS087-100 NS087-1K	TBDMS Protected Nucleosides	N/A	3'-O-TBDMS-2'-O-Me-rC(Ac)		≥98%	10g 100g 1kg
NS088-10 NS088-100 NS088-1K	TBDMS Protected Nucleosides	454424-09-0	3'-O-TBDMS-2'-O-Me-rA(Bz)		≥98%	10g 100g 1kg
NS089-10 NS089-100 NS089-1K	TBDMS Protected Nucleosides	863097-97-6	3'-O-TBDMS-2'-O-Me-rA(Bz)		≥98%	10g 100g 1kg
NS090-10 NS090-100 NS090-1K	TBDMS Protected Nucleosides	1445379-59-8	3'-O-TBDMS-2'-F-dU		≥98%	10g 100g 1kg
NS091-10 NS091-100 NS091-1K	TBDMS Protected Nucleosides	N/A	3'-O-TBDMS-2'-F-dC(Ac)		≥98%	10g 100g 1kg

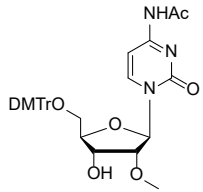
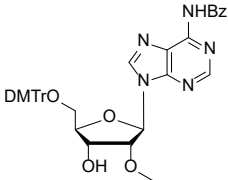
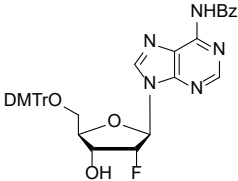
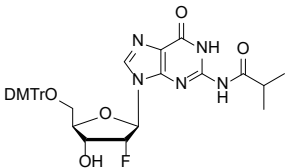
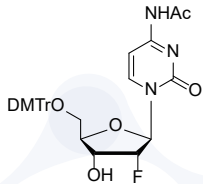


Protected Nucleosides

SKU	Classification	CAS No.	Product Name	Structure	Purity	Specifications
NS092-10 NS092-100 NS092-1K	TBDMS Protected Nucleosides	1244763-25-4	3'-O-TBDMS-2'-F-dA(Bz)		≥98%	10g 100g 1kg
NS067-1	DMTr Protected Nucleosides	127212-38-8	5'-O-DMTr-3'-O-Me-rA(Bz)		≥98%	1g
NS069-1	DMTr Protected Nucleosides	103285-23-0	5'-O-DMTr-2'-O-Me-rA		≥98%	1g
NS070-1	DMTr Protected Nucleosides	N/A	3',5'-O-DMTr-2'-O-Me-rA(Bz)		≥98%	1g
NS071-1	DMTr Protected Nucleosides	N/A	3'-O-DMTr-2'-O-Me-rA(Bz)		≥98%	1g



Protected Nucleosides

SKU	Classification	CAS No.	Product Name	Structure	Purity	Specifications
NS078-1 NS078-10 NS078-100 NS078-1K	DMTr Protected Nucleosides	199593-08-3	5'-O-DMTr-2'-O-Me-rC(Ac)		≥99%	1g 10g 100g 1kg
NS079-1 NS079-10 NS079-100 NS079-1K	DMTr Protected Nucleosides	110764-72-2	5'-O-DMTr-2'-O-Me-rA(Bz)		≥99%	1g 10g 100g 1kg
NS080-1 NS080-10 NS080-100 NS080-1K	DMTr Protected Nucleosides	136834-21-4	5'-O-DMTr-2'-F-dA(Bz)		≥99%	1g 10g 100g 1kg
NS081-1 NS081-10 NS081-100 NS081-1K	DMTr Protected Nucleosides	N/A	5'-O-DMTr-2'-F-dG(iBu)		≥99%	1g 10g 100g 1kg
NS082-1 NS082-10 NS082-100 NS082-1K	DMTr Protected Nucleosides	159414-98-9	5'-O-DMTr-2'-F-dC(Ac)		≥99%	1g 10g 100g 1kg

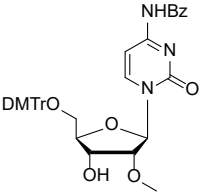
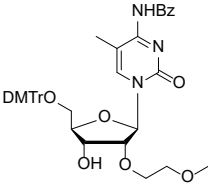


Protected Nucleosides

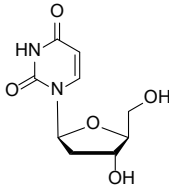
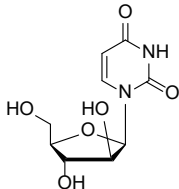
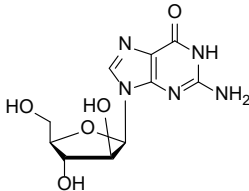
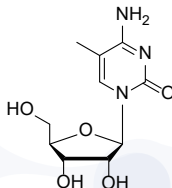
SKU	Classification	CAS No.	Product Name	Structure	Purity	Specifications
NS083-1 NS083-10 NS083-100 NS083-1K	DMTr Protected Nucleosides	146954-74-7	5'-O-DMTr-2'-F-dU		≥99%	1g 10g 100g 1kg
NS093-1 NS093-10 NS093-100 NS093-1K	DMTr Protected Nucleosides	163759-50-0	5'-O-DMTr-2'-O-MOE-5-Me-rU		≥98%	1g 10g 100g 1kg
NS096-1 NS096-10 NS096-100 NS096-1K	DMTr Protected Nucleosides	251647-48-0	5'-O-DMTr-2'-O-MOE-rA(Bz)		≥99%	1g 10g 100g 1kg
NS097-1 NS097-10 NS097-100 NS097-1K	DMTr Protected Nucleosides	N/A	5'-O-DMTr-2'-F-dC(Bz)		≥99%	1g 10g 100g 1kg
NS098-1 NS098-10 NS098-100 NS098-1K	DMTr Protected Nucleosides	251647-50-4	5'-O-DMTr-2'-O-MOE-rG(iBu)		≥99%	1g 10g 100g 1kg



Protected Nucleosides

SKU	Classification	CAS No.	Product Name	Structure	Purity	Specifications
NS099-1 NS099-10 NS099-100 NS099-1K	DMTr Protected Nucleosides	N/A	5'-O-DMTr-2'-O-Me-rC(Bz)		≥99%	1g 10g 100g 1kg
NS100-1 NS100-10 NS100-100 NS100-1K	DMTr Protected Nucleosides	182496-01-1	5'-O-DMTr-2'-O-MOE-5-Me-rC(Bz)		≥99%	1g 10g 100g 1kg

Nucleosides, deoxynucleosides, and other nucleosides

SKU	Classification	CAS No.	Product Name	Structure	Purity	Specifications
NS032-0.1 NS032-1 NS032-10	L-Nucleosides	31501-19-6	L-2'-dU		≥99%	100mg 1g 10g
NS074-10 NS074-100 NS074-1K	Ara Nucleosides	3083-77-0	Ara-rU		≥98%	10g 100g 1kg
NS104-1 NS104-10 NS104-100 NS104-1K	Ara Nucleosides	38819-10-2	Ara-rG		≥98%	1g 10g 100g 1kg
NS076-10 NS076-100 NS076-1K	Nucleosides/ deoxynucleosides	2140-61-6	5-Me-rC		≥98%	10g 100g 1kg

Handwriting practice lines on a white card with a blue background. The card features 15 horizontal dashed lines for writing practice.



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