

Building blocks of Nucleic Acid Drugs

As nucleic acid drugs emerge as innovative therapeutic avenues with immense potential for treating human diseases, the demand for their foundational building blocks is escalating. At our forefront, we meet this demand by offering an extensive array of building blocks essential for siRNA, and ASO development. Our catalog spans beyond the presented tables, accommodating various customizations to cater to specific research needs.

Ensuring the highest quality standards, our nucleic acid drug-related products boast a purity level of up to 98% (HPLC), with moisture content maintained at less than 0.3% (NMR). As pioneers in providing essential building blocks, we contribute to the seamless progress of nucleic acid drug development, empowering researchers in their quest for groundbreaking therapeutic modalities.



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Building blocks of Nucleic Acid Drugs

Catalog ID of siRNA's building blocks

Name	Catalog ID
LNA Adenosine (N-Bz) CE phosphoramidite	302001
LNA 5-Methyl Cytidine (N-Bz) CE phosphoramidite	302002
LNA Guanosine (N, N-DMF) CE phosphoramidite	302003
LNA Thymidine CE phosphoramidite	302004
2'-O-PivOM-5'-O-DMTr-Adenosine (N-PAC)-3'-CEP	302005
2'-O-PivOM-5'-O-DMTr-Cytidine (N-Ac)-3'-CEP	302006
2'-O-PivOM-5'-O-DMTr-Guanosine (N-ivrPAC)-3'-CEP	302007
2'-O-PivOM-5'-O-DMTr-Uridine-3'-CEP	302008
5'-DMT-2'-TBDMS-rA(N-Bz) Phosphoramidite	302009
5'-DMT-2'-TBDMS-rC(N-Ac) Phosphoramidite	302010
5'-DMT-2'-TBDMS-rG(N-Ac) Phosphoramidite	302011
5'-DMT-2'-TBDMS-rU Phosphoramidite	302012
5'-DMT-2'-OMe-rA(N-Bz) Phosphoramidite	302013
5'-DMT-2'-OMe-rC(N-Ac) Phosphoramidite	302014
5'-DMT-2'-OMe-rG(N-Ac) Phosphoramidite	302015
5'-DMT-2'-OMe-rU Phosphoramidite	302016
2'-O-TOM-Adenosine (N-Ac)-3'-CEP	302017
2'-O-TOM-Cytidine (N-Ac)-3'-CEP	302018
2'-O-TOM-Guanosine (N-Ac)-3'-CEP	302019
2'-O-TOM-Uridine-3'-CEP	302020
2'-Fluoro-2'-deoxyadenosine (N-Bz)-3'-CEP	302021
2'-Fluoro-2'-deoxycytidine (N-Ac)-3'-CEP	302022
2'-Fluoro-2'-deoxyguanosine (N-ibu)-3'-CEP	302023
2'-Fluoro-2'-deoxyuridine3'-CEP	302024
2'-ALE-Adenosine (N-PAc)-5'-NPPOC-3'-CEP	302025
2'-ALE-Cytidine (N-ibu)-5'-NPPOC-3'-CEP	302026
2'-ALE-Guanosine (N-PAc)-5'-NPPOC-3'-CEP	302027
2'-ALE-Uridine-5'-NPPOC-3'-CEP	302028
Cytidine (n-bz) 3'-tBDSilyl CED phosphoramidite	302029
Adenosine (n-bz) 3'-tBDSilyl CED phosphoramidite	302030
Uridine 3'-tBDSilyl CED phosphoramidite	302031
Guanosine (N-ibu) 3'-tBDSilyl CED phosphoramidite	302032

Catalog ID of ASO's building blocks

Name	Catalog ID
Uridine-DMTr-5'-CEP	303001
Cytidine (N-Ac)-DMTr-5'-CEP	303002
Adenosine (N-Bz)-DMTr-5'-CEP	303003
Guanosine (N-ivrPAC)-DMTr-5'-CEP	303004
Adenosine (N-Bz)-DMTr-5'-Icaa CPG	303005
Cytidine (N-Ac)-DMTr-5'-Icaa CPG	303006
Uridine-DMTr-5'-Icaa CPG	303007
Guanosine (N-ivrPAC)-DMTr-5'-Icaa CPG	303008
Beta-L-deoxy Adenosine (n-bz) CED phosphoramidite	303009
Beta-L-deoxy Cytidine (n-acetyl) CED phosphoramidite	303010
Beta-L-deoxy Guanosine (n-ibu) CED phosphoramidite	303011
Beta-L-Thymidine CED phosphoramidite	303012

Catalog ID of delivery systems

Name	Catalog ID
GalNAc-Cluster-COONa	304001
GalNAc-Cluster-HHA-CE Amidite	304002
TEG-GalNAc-Cluster-Succinate	304003
Gal3C2 CPG 500A	304004
Gal3C2 CPG 1000A	304005
Gal3C2 Amidite	304006
GalNAc-C6-CE amidite	304007
GalNAc-L96 CPG 1000A	304008

(*The use of these products may require the buyer to obtain additional third party intellectual property rights for certain applications)

Catalog ID of CPG for RNA synthesis

Name	Catalog ID
2'-tBDSilyl Cytidine (n-bz) 3'-Icaa CPG	209801
2'-tBDSilyl Adenosine (n-bz) 3'-Icaa CPG	209802
2'-tBDSilyl Guanosine (n-ibu) 3'-Icaa CPG	209803
2'-tBDSilyl Uridine 3'-Icaa CPG	209804
3'-TOM-ribo Adenosine (n-acetyl) 2'-Icaa CPG	209805
3'-TOM-ribo Cytidine (n-acetyl) 2'-Icaa CPG	209806
2'-TOM-ribo Guanosine (n-acetyl) 3'-Icaa CPG	209807
3'-TOM-ribo Uridine 2'-Icaa CPG	209808
2'-tBDSilyl-3'-DMT-Cytidine (n-acetyl) 5'-Icaa CPG	209809
2'-tBDSilyl-3'-DMT-Adenosine (n-bz) 5'-Icaa CPG	209810
2'-tBDSilyl-3'-DMT-Guanosine (n-ibu) 5'-Icaa CPG	209811
2'-tBDSilyl-3'-DMT-Uridine 5'-Icaa CPG	209812
Beta-L-2'-tBDSilyl Guanosine (n-ibu) 3'-Icaa CPG	209813
Beta-L-2'-tBDSilyl Thymidine 3'-Icaa CPG	209814
Beta-L-2'-tBDSilyl Uridine 3'-Icaa CPG	209815
Beta-L-2'-tBDSilyl Cytidine (n-acetyl) 3'-Icaa CPG	209816
Beta-L-2'-tBDSilyl Adenosine (n-bz) 3'-Icaa CPG	209817
2'-Fluoro Guanosine (n-ibu)-3'-succinyl Icaa CPG	209818
2'-Fluoro Uridine 3'-Icaa CPG	209819
2'-Fluoro Cytidine 3'-Icaa CPG	209820
2'-Amino Uridine 3'-Icaa CPG	209821
2'-Fluoro Adenosine (N-Bz) 3'-Icaa CPG	209822
2'-Fluoro Guanosine (N,N-DMF) 3'-Icaa CPG	209823
Inosine 2'-tBDSilyl-3'-Icaa CPG	209824
ribo Thymidine 3'-tBDSilyl-2'-Icaa CPG	209825
2,2'-Anhydro Uridine 3'-Icaa CPG	209826
2'-O-Methyl Uridine 3'-Icaa CPG	209827
2'-O-Methyl Cytidine (n-acetyl) 3'-Icaa CPG	209828
2'-O-Methyl Adenosine (n-bz) 3'-Icaa CPG	209829
2'-O-Methyl Cytidine (n-bz) 3'-Icaa CPG	209830
2'-O-Methyl Guanosine (n-ibu) 3'-Icaa CPG	209831
ribo A(Bz)-Icaa CPG	209832
ribo C(Ac)-Icaa CPG	209833
ribo C(Bz)-Icaa CPG	209834
ribo G-Icaa CPG	209835
ribo U-Icaa CPG	209836
2'-O-Methyl-3'-DMT Adenosine (n-bz) 5'-Icaa CPG	209837
2'-O-Methyl-3'-DMT Cytidine (n-bz) 5'-Icaa CPG	209838
2'-O-Methyl-3'-DMT Guanosine (n-ibu) 5'-Icaa CPG	209839
2'-O-Methyl-3'-DMT Uridine 5'-Icaa CPG	209840
2'-O-Methyl-3'-DMT 5-Methyl-Cytidine (n-bz) 5'-Icaa CPG	209841