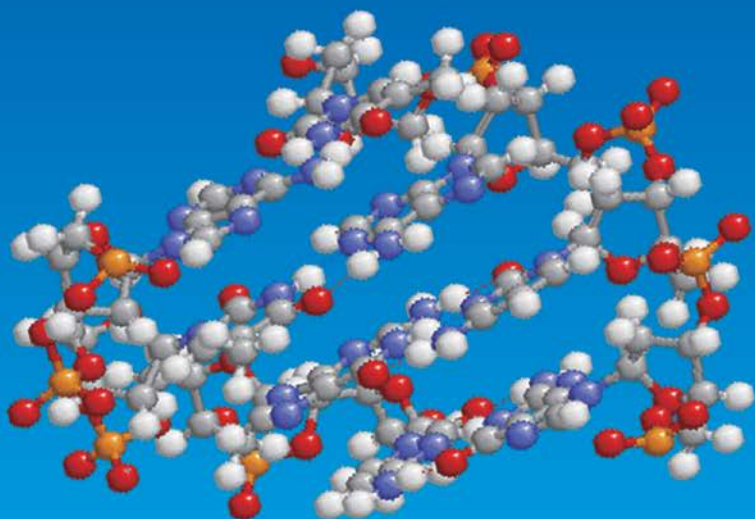


ヌクレオシド・ヌクレオチド・ 核酸および関連試薬

Nucleosides, Nucleotides, Nucleic Acids and Related Reagents



ヌクレオシドと類似体

ヌクレオチドと類似体

核酸

核酸関連酵素・補酵素

核酸塩基と類似体

薬理活性ヌクレオシド・核酸塩基

核酸合成試薬

ヌクレオシド・ヌクレオチド・核酸 および関連試薬

親から子へ受け継がれる形質の遺伝情報はDNAに刻み込まれており、このDNAの構成成分がヌクレオシド、ヌクレオチドです。このヌクレオシド、ヌクレオチドの類似体は逆転写酵素阻害剤のような臨床的に有用な薬剤として用いられており、効果的、選択的、かつ低毒性の抗ウイルス剤、抗がん剤を目指した探索研究が精力的に行われています¹⁾。

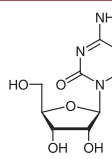
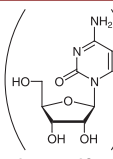
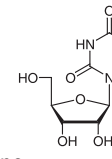
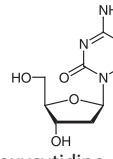
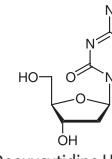
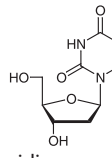
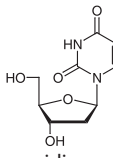
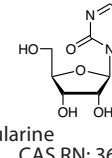
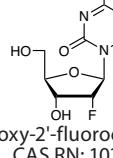
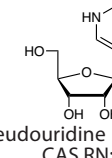
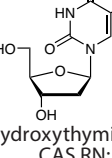
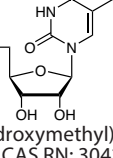
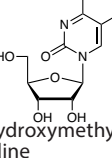
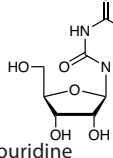
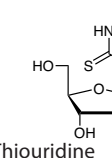
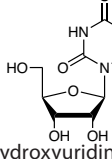
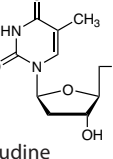
一方、近年DNAに関する研究も飛躍的な発展を遂げており、ことにPCR法の開発により、DNAを取り巻く研究は一変しました。そして今日、ヒトゲノム計画の達成が宣言され、その機能解析や一塩基多形(SNP)の解析が積極的に行われています。また、RNAiプロセスの発見を契機に、RNAに関する研究も盛んに行われるようになりました。同時に化学合成オリゴDNA、RNAの優れた手法が次々と開発され、多方面で利用されています。例えば、核酸医薬としてのアンチセンスDNA、siRNA、DNAアプタマー、PCR法のプライマー、DNAコンピュータ素子などがあげられ、活発な応用研究が行われています。

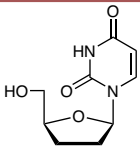
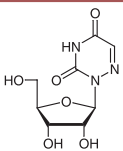
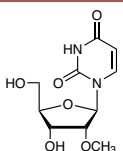
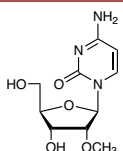
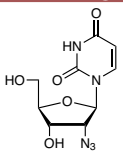
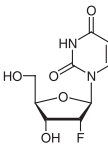
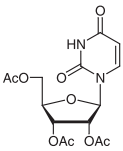
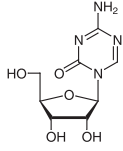
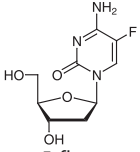
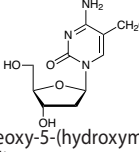
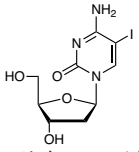
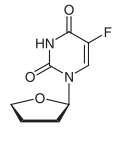
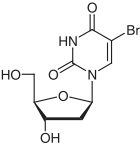
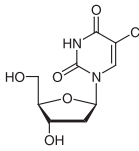
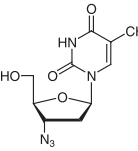
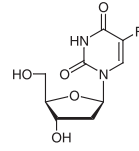
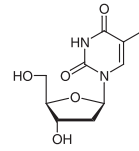
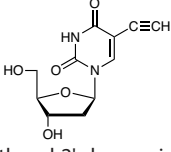
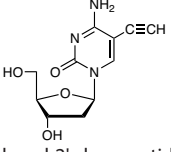
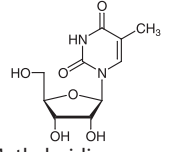
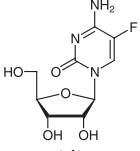
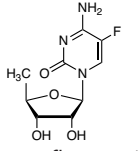
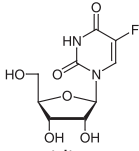
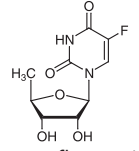
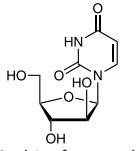
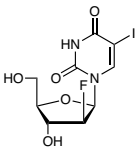
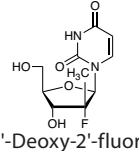
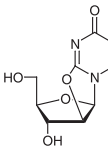
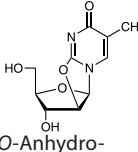
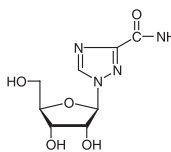
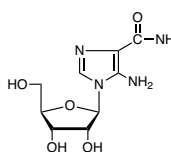
●ヌクレオシドと類似体

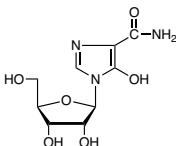
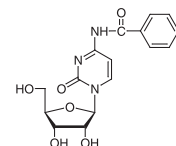
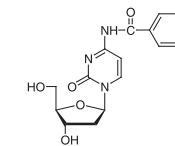
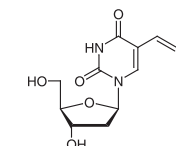
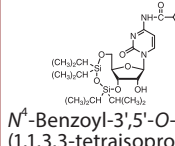
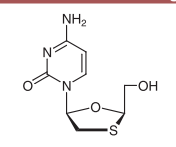
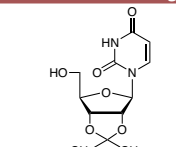
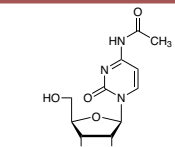
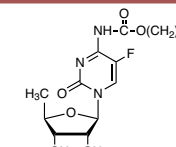
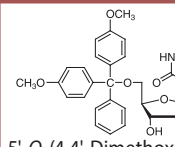
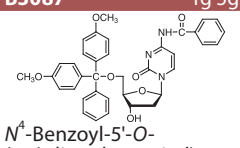
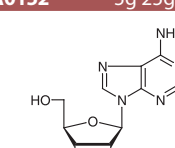
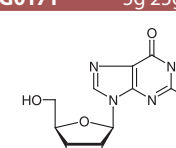
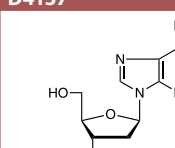
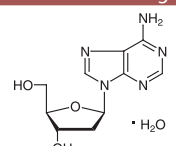
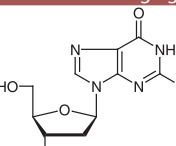
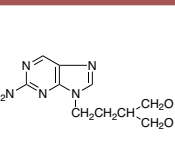
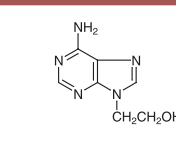
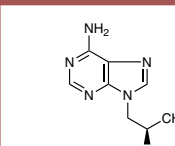
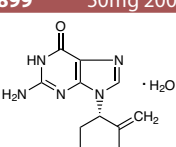
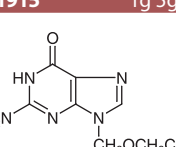
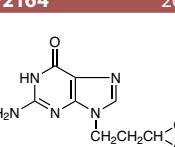
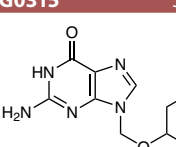
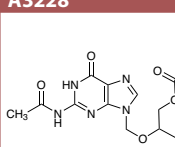
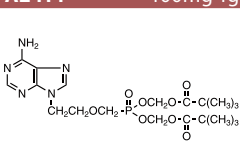
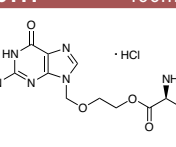
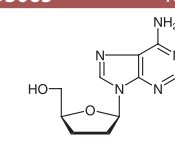
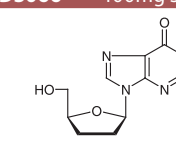
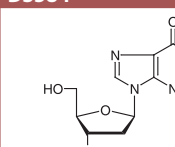
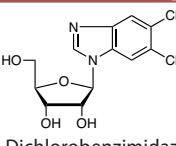
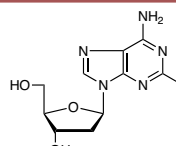
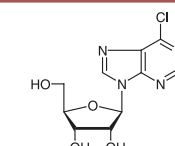
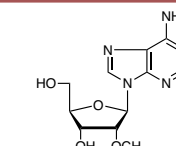
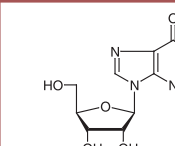
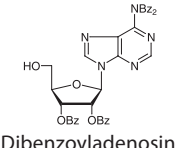
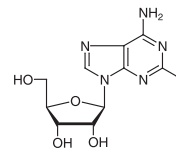
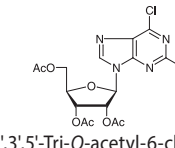
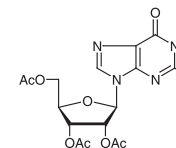
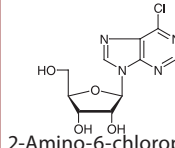
ヌクレオシドはリボースまたは2'-デオキシリボースと核酸塩基が結合したグリコシルアミンで、ヌクレオシドはりん酸化されるとヌクレオチドになります。ヌクレオシド類似体は広範囲な抗ウイルス活性や抗がん活性を持ち、臨床的に有用な薬剤として分類されています。そのため、複素環塩基や糖部分の広範囲な修飾が行われています。その代表例として、1977年にElionにより開発された抗ウイルス活性を示す9-[(2-ヒドロキシエトキシ)メチル]グアニン(アシクロビル) **[A1915]**、1985年に満屋らにより見出されたHIV感染症治療に用いられている3'-アジド-3'-デオキシチミジン(AZT) **[A2052]**、1969年にFDAに承認された抗がん活性を示すシトシンβ-D-アラビノフラノシド(シタラビン) **[C2035]**などがあげられます。また、2'-デオキシ-5'-メチルシチジン**[D3610]**のような修飾ヌクレオシドも生体内に存在し、その役割が注目されています²⁾。N⁶-ベンゾイル-5'-O-(4,4'-ジメトキシトリチル)-2'-デオキシアデノシン(Bz-DMT-dA) **[B3103]**を例とする反応性の高いアミノ基とヒドロキシ基を保護した高純度のヌクレオシドは、DNAやRNAの化学合成に用いられています。

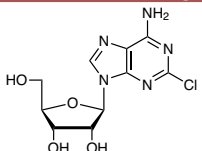
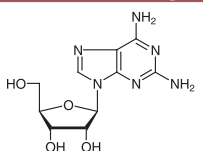
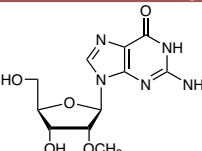
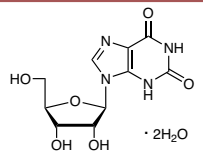
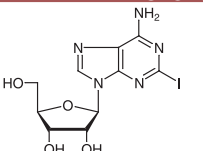
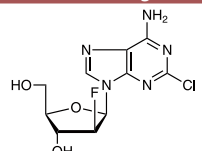
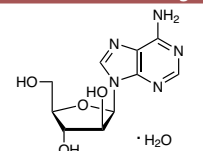
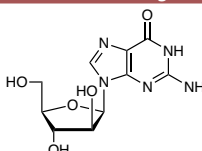
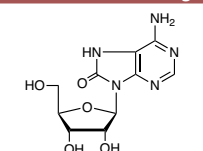
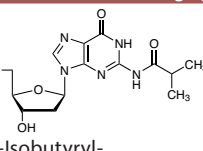
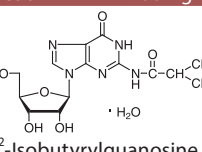
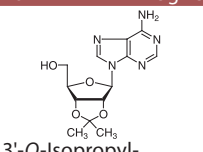
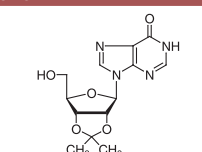
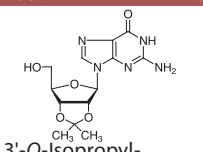
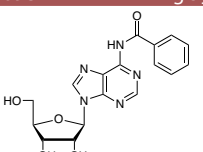
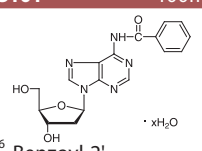
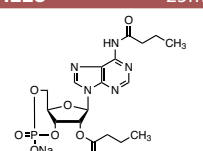
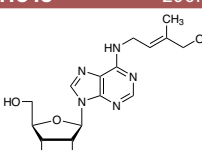
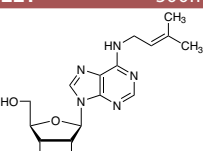
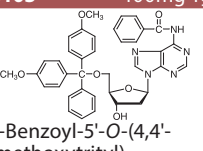
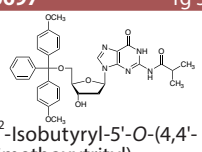
ヌクレオシドと類似体

ピリミジン ヌクレオシド

C0522 1g 5g 25g	C0525 100mg 1g			
 Cytidine CAS RN: 65-46-3	 Cytidine Sulfate CAS RN: 32747-18-5			
U0020 5g 25g	D3583 1g 5g	D0048 5g 25g	T0233 1g 5g 25g	D0060 1g 5g 25g
 Uridine CAS RN: 58-96-8	 2-Deoxycytidine CAS RN: 951-77-9	 2-Deoxycytidine Hydrochloride CAS RN: 3992-42-5	 Thymidine CAS RN: 50-89-5	 2-Deoxyuridine CAS RN: 951-78-0
Z0022 200mg 1g	D3614 1g	P2396 50mg	D6190 50mg 200mg	H1866 50mg 200mg
 Zebularine CAS RN: 3690-10-6	 2-Deoxy-2'-fluorocytidine CAS RN: 10212-20-1	 Pseudouridine CAS RN: 1445-07-4	 α-Hydroxythymidine CAS RN: 5116-24-5	 5-(Hydroxymethyl)uridine CAS RN: 30414-00-7
H1863 50mg 200mg	T4059 25mg 100mg	T4108 100mg	H1865 100mg	T4158 100mg
 5-(Hydroxymethyl)-cytidine CAS RN: 19235-17-7	 4-Thiouridine CAS RN: 13957-31-8	 2-Thiouridine CAS RN: 20235-78-3	 5-Hydroxyuridine CAS RN: 957-77-7	 Telbivudine CAS RN: 3424-98-4

D6106 250mg  2',3'-Dideoxyuridine CAS RN: 5983-09-5	A0559 10mg  6-Azauridine CAS RN: 54-25-1	M2290 1g 5g  2'-O-Methyluridine CAS RN: 2140-76-3	M2317 200mg 1g  2'-O-Methylcytidine CAS RN: 2140-72-9	A2942 25mg 100mg  2'-Azido-2'-deoxyuridine CAS RN: 26929-65-7
D3615 1g 5g  2'-Deoxy-2'-fluorouridine CAS RN: 784-71-4	T2549 5g 25g  2',3',5'-Tri-O-acetyluridine CAS RN: 4105-38-8	A2232 20mg 100mg  5-Aza-2'-deoxycytidine CAS RN: 2353-33-5	A2033 100mg 1g  5-Azacytidine CAS RN: 320-67-2	D3610 100mg 500mg 5g  2'-Deoxy-5-methylcytidine CAS RN: 838-07-3
D3642 1g  2'-Deoxy-5-fluorocytidine CAS RN: 10356-76-0	D4220 50mg 200mg  2'-Deoxy-5-(hydroxymethyl)cytidine CAS RN: 7226-77-9	I0882 1g  5-Iodo-2'-deoxycytidine CAS RN: 611-53-0	D3580 1g 5g  Stavudine CAS RN: 3056-17-5	F0635 5g 25g  Tegafur CAS RN: 17902-23-7
B1575 1g 5g  5-Bromo-2'-deoxyuridine CAS RN: 59-14-3	T2511 100mg 1g  Trifluorothymidine CAS RN: 70-00-8	A2052 1g 5g  Azidothymidine CAS RN: 30516-87-1	D2235 100mg 500mg 1g  2'-Deoxy-5-fluorouridine CAS RN: 50-91-9	I0258 1g 5g 25g  Idoxuridine CAS RN: 54-42-2
E1057 50mg 200mg  5-Ethynyl-2'-deoxyuridine CAS RN: 61135-33-9	E1093 200mg  5-Ethynyl-2'-deoxycytidine CAS RN: 69075-47-4	B0666 100mg 1g  5-Bromouridine CAS RN: 957-75-5	M1405 1g 5g 25g  5-Methyluridine CAS RN: 1463-10-1	M1931 1g  5-Methylcytidine CAS RN: 2140-61-6
F0534 1g  5-Fluorocytidine CAS RN: 2341-22-2	D4342 1g 5g  5'-Deoxy-5-fluorocytidine CAS RN: 66335-38-4	F0636 1g 5g  5-Fluorouridine CAS RN: 316-46-1	D3579 1g 5g  5'-Deoxy-5-fluorouridine CAS RN: 3094-09-5	A2356 1g 5g  1-β-D-Arabinofuranosyluracil CAS RN: 3083-77-0
M3153 250mg 1g  2'-C-Methyluridine CAS RN: 31448-54-1	C2035 1g 5g  Cytarabine CAS RN: 147-94-4	D4200 10mg  Fialuridine CAS RN: 69123-98-4	G0367 100mg 1g  Gemcitabine Hydrochloride CAS RN: 122111-03-9	D4823 200mg 1g  (2'R)-2'-Deoxy-2'-fluoro-2'-methyluridine CAS RN: 863329-66-2
C2208 5g 25g  2,2'-O-Cyclouridine CAS RN: 3736-77-4	C2207 1g 5g  2,2'-O-Cyclocytidine Hydrochloride CAS RN: 10212-25-6	A2431 1g  2,2'-O-Anhydro-5-methyluridine CAS RN: 22423-26-3	R0077 100mg 500mg  Ribavirin CAS RN: 36791-04-5	A2528 50mg  Acadesine CAS RN: 2627-69-2

<p>M2399 50mg 250mg</p>  <p>Mizoribine CAS RN: 50924-49-7</p>	<p>B3094 1g 5g</p>  <p>N⁴-Benzoylcytidine CAS RN: 13089-48-0</p>	<p>B3102 100mg 1g</p>  <p>N⁴-Benzoyl-2'-deoxycytidine CAS RN: 4836-13-9</p>	<p>B3404 100mg</p>  <p>Brivudine CAS RN: 69304-47-8</p>	<p>B3631 1g 5g</p>  <p>N⁴-Benzoyl-3',5'-O-(1,1,3,3-tetraisopropyl-1,3-disiloxanediyl)cytidine CAS RN: 69304-43-4</p>	
<p>L0217 100mg 1g</p>  <p>Lamivudine CAS RN: 134678-17-4</p>	<p>I0705 5g 25g</p>  <p>Uridine 2',3'-Acetonide CAS RN: 362-43-6</p>	<p>A3535 5g 25g</p>  <p>N⁴-Acetylcytidine CAS RN: 3768-18-1</p>	<p>C2878 1g 5g</p>  <p>Capecitabine CAS RN: 154361-50-9</p>	<p>D3566 5g 25g</p>  <p>5'-O-(4,4'-Dimethoxytrityl)-thymidine CAS RN: 40615-39-2</p>	
<p>B3087 1g 5g</p>  <p>N⁴-Benzoyl-5'-O-(4,4'-dimethoxytrityl)-2'-deoxycytidine CAS RN: 67219-55-0</p>	<p>プリン ヌクレオシド</p>		<p>A0152 5g 25g 100g</p>  <p>Adenosine CAS RN: 58-61-7</p>	<p>G0171 5g 25g 100g</p>  <p>Guanosine CAS RN: 118-00-3</p>	<p>D4137 5g</p>  <p>2'-Deoxyadenosine Anhydrous CAS RN: 958-09-8</p>
<p>D0046 5g 25g</p>  <p>2'-Deoxyadenosine Monohydrate CAS RN: 16373-93-6</p>	<p>D0052 1g 5g 25g</p>  <p>2'-Deoxyguanosine CAS RN: 961-07-9</p>	<p>F0842 500mg</p>  <p>Famciclovir CAS RN: 104227-87-4</p>	<p>H1290 5g 25g</p>  <p>9-(2-Hydroxyethyl)adenine CAS RN: 707-99-3</p>	<p>H1291 1g 5g</p>  <p>(R)-9-(2-Hydroxypropyl)adenine CAS RN: 14047-28-0</p>	
<p>E0899 50mg 200mg</p>  <p>Entecavir Monohydrate CAS RN: 209216-23-9</p>	<p>A1915 1g 5g 25g</p>  <p>Acyclovir CAS RN: 59277-89-3</p>	<p>P2164 200mg</p>  <p>Penciclovir CAS RN: 39809-25-1</p>	<p>G0315 5g 25g</p>  <p>Ganciclovir CAS RN: 82410-32-0</p>	<p>A3228 1g</p>  <p>Triacetylganciclovir CAS RN: 86357-14-4</p>	
<p>A2414 100mg 1g</p>  <p>Adefovir Dipivoxil CAS RN: 142340-99-6</p>	<p>V0111 100mg 1g</p>  <p>Valacyclovir Hydrochloride CAS RN: 124832-27-5</p>	<p>D3065 100mg</p>  <p>2',3'-Dideoxyadenosine CAS RN: 4097-22-7</p>	<p>D3066 100mg 500mg</p>  <p>Didanosine CAS RN: 69655-05-6</p>	<p>D3584 1g 5g</p>  <p>2'-Deoxyinosine CAS RN: 890-38-0</p>	
<p>D4292 100mg 1g</p>  <p>5,6-Dichlorobenzimidazole 1-β-D-Ribofuranoside CAS RN: 53-85-0</p>	<p>C2499 50mg</p>  <p>Cladribine CAS RN: 4291-63-8</p>	<p>C2206 1g 5g</p>  <p>6-Chloropurine Riboside CAS RN: 5399-87-1</p>	<p>M2291 1g</p>  <p>2'-O-Methyladenosine CAS RN: 2140-79-6</p>	<p>I0037 25g 500g</p>  <p>Inosine CAS RN: 58-63-9</p>	
<p>B3460 100mg 1g</p>  <p>N⁶-Dibenzoyladenosine 2',3'-Dibenzoate CAS RN: 58463-04-0</p>	<p>F0656 200mg 1g</p>  <p>2-Fluoroadenosine CAS RN: 146-78-1</p>	<p>T2691 1g 5g</p>  <p>2',3',5'-Tri-O-acetyl-6-chloro-2-iodopurine Riboside CAS RN: 5987-76-8</p>	<p>T2692 1g 5g</p>  <p>2',3',5'-Tri-O-acetylguanosine CAS RN: 6979-94-8</p>	<p>A2054 1g 5g</p>  <p>2-Amino-6-chloropurine Riboside CAS RN: 2004-07-1</p>	

<p>C2192 100mg 1g</p>  <p>2-Chloroadenosine CAS RN: 146-77-0</p>	<p>A2135 5g 25g</p>  <p>2-Aminoadenosine CAS RN: 2096-10-8</p>	<p>M2318 200mg 1g</p>  <p>2'-O-Methylguanosine CAS RN: 2140-71-8</p>	<p>X0008 100mg</p>  <p>Xanthosine Dihydrate CAS RN: 146-80-5</p>	<p>I0759 200mg 1g 5g</p>  <p>2-Iodoadenosine CAS RN: 35109-88-7</p>
<p>C2500 20mg 100mg</p>  <p>Clorabine CAS RN: 123318-82-1</p>	<p>V0098 1g 5g</p>  <p>Vidarabine Monohydrate CAS RN: 24356-66-9</p>	<p>A2739 10mg 50mg</p>  <p>Ara-G CAS RN: 38819-10-2</p>	<p>O0401 200mg 1g</p>  <p>8-Oxoadenosine CAS RN: 29851-57-8</p>	<p>I0700 100mg 1g</p>  <p><i>N</i>²-Isobutyryl-2'-deoxyguanosine CAS RN: 68892-42-2</p>
<p>I0699 100mg 1g</p>  <p><i>N</i>²-Isobutyrylguanosine Monohydrate CAS RN: 64350-24-9</p>	<p>I0702 5g 25g</p>  <p>2',3'-O-Isopropylideneadenosine CAS RN: 362-75-4</p>	<p>I0704 5g</p>  <p>2',3'-O-Isopropylideneinosine CAS RN: 2140-11-6</p>	<p>I0703 5g</p>  <p>2',3'-O-Isopropylideneadenosine CAS RN: 362-76-5</p>	<p>B3093 1g 5g</p>  <p><i>N</i>⁶-Benzoyladenosine CAS RN: 4546-55-8</p>
<p>B3101 100mg</p>  <p><i>N</i>⁶-Benzoyl-2'-deoxyadenosine Hydrate CAS RN: 206752-42-3</p>	<p>D4228 25mg</p>  <p>Dibutyryl cAMP Sodium Salt CAS RN: 16980-89-5</p>	<p>H1848 200mg</p>  <p><i>trans</i>-Zeatin-ribose CAS RN: 6025-53-2</p>	<p>I1221 500mg</p>  <p><i>N</i>⁶-Isopentenyladenosine CAS RN: 7724-76-7</p>	<p>B3103 100mg 1g</p>  <p><i>N</i>⁶-Benzoyl-5'-O-(4,4'-dimethoxytrityl)-2'-deoxyadenosine CAS RN: 64325-78-6</p>
<p>I0697 1g 5g</p>  <p><i>N</i>²-Isobutyryl-5'-O-(4,4'-dimethoxytrityl)-2'-deoxyguanosine CAS RN: 68892-41-1</p>				

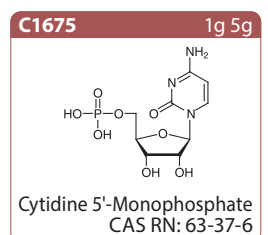
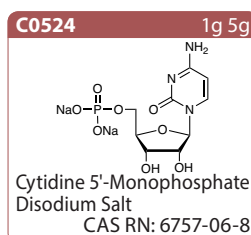
●ヌクレオチドと類似体

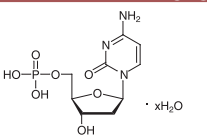
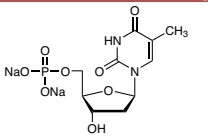
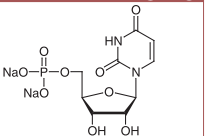
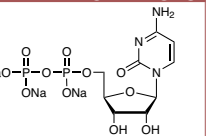
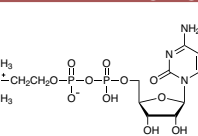
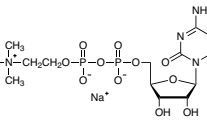
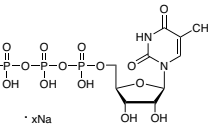
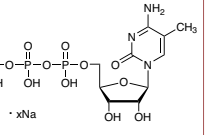
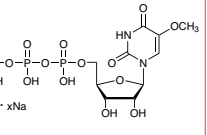
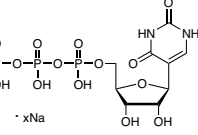
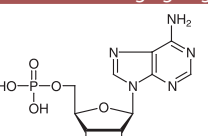
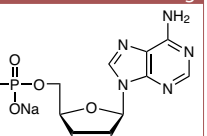
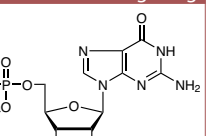
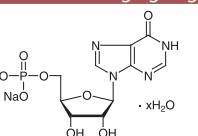
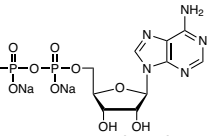
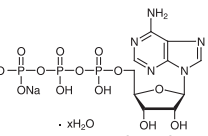
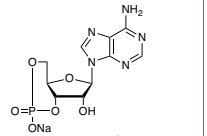
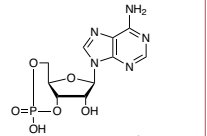
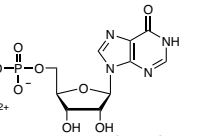
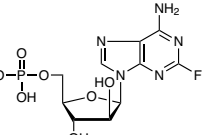
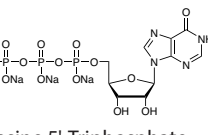
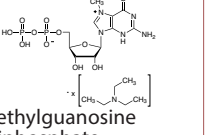
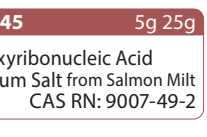
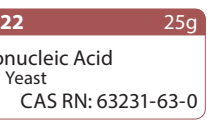
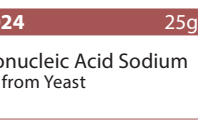
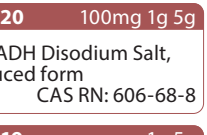
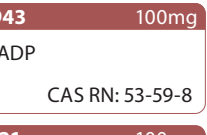
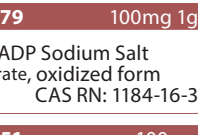
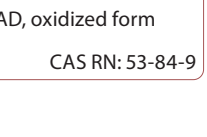
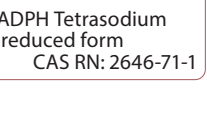
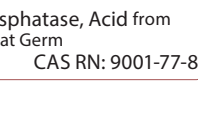
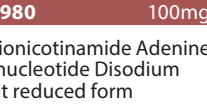
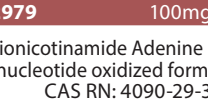
ヌクレオチドはヌクレオシドとリン酸基が結合した構造で、糖部分はリボースまたは2'-デオキシリボースです。ヌクレオチドはDNA

およびRNAの最小構成単位で、代謝において補助的な役割を果たしています。

ヌクレオチドと類似体

ピリミジン
ヌクレオチド



<p>D3673 100mg 1g</p>  <p>2'-Deoxycytidine 5'-Monophosphate Hydrate CAS RN: 1032-65-1</p>	<p>T0845 100mg</p>  <p>Thymidine 5'-Monophosphate Disodium Salt CAS RN: 33430-62-5</p>	<p>U0021 5g 25g</p>  <p>Uridine 5'-Monophosphate Disodium Salt CAS RN: 3387-36-8</p>	<p>C0523 10mg 100mg 1g</p>  <p>Cytidine 5'-Diphosphate Trisodium Salt CAS RN: 34393-59-4</p>	<p>C3438 5g 25g</p>  <p>Citicoline CAS RN: 987-78-0</p>
<p>C3445 1g 5g</p>  <p>Citicoline Sodium Salt CAS RN: 33818-15-4</p>	<p>M3582 0.01mL 0.25mL</p>  <p>5-Me-UTP Sodium Salt (ca. 100mM in Water)</p>	<p>M3583 0.01mL 0.25mL</p>  <p>5-Me-CTP Sodium Salt (ca. 100mM in Water)</p>	<p>M3584 0.01mL 0.25mL</p>  <p>5-Ome-UTP Sodium Salt (ca. 85mM in Water)</p>	<p>P3045 0.01mL 0.25mL</p>  <p>Pseudo-UTP Sodium Salt (ca. 100mM in Water)</p>
<p>プリン ヌクレオチド</p>				
	<p>A0158 1g 5g 25g</p>  <p>5'-Adenylic Acid CAS RN: 61-19-8</p>	<p>A2117 25g</p>  <p>5'-AMP Disodium Salt CAS RN: 4578-31-8</p>	<p>G0601 25g 100g</p>  <p>5'-GMP 2Na CAS RN: 5550-12-9</p>	<p>I0036 1g 5g 25g</p>  <p>Inosine 5'-Monophosphate Disodium Salt Hydrate CAS RN: 352195-40-5</p>
<p>A0626 100mg 1g</p>  <p>Adenosine 5'-Diphosphate Disodium Salt CAS RN: 16178-48-6</p>	<p>A0157 1g 5g 25g</p>  <p>Adenosine 5'-Triphosphate Disodium Salt Hydrate CAS RN: 34369-07-8</p>	<p>A2112 100mg</p>  <p>Adenosine 3',5'-Cyclic Monophosphate Sodium Salt CAS RN: 37839-81-9</p>	<p>A2381 1g 5g</p>  <p>Adenosine 3',5'-Cyclic Monophosphate CAS RN: 60-92-4</p>	<p>I0039 100mg</p>  <p>Inosine 5'-Monophosphate Barium Salt CAS RN: 3249-92-1</p>
<p>F0913 25mg 100mg</p>  <p>Fludarabine Monophosphate CAS RN: 75607-67-9</p>	<p>I0038 100mg</p>  <p>Inosine 5'-Triphosphate Trisodium Salt CAS RN: 35908-31-7</p>	<p>M3631 125mg 100mg</p>  <p>7-Methylguanosine 5'-Diphosphate Triethylamine Salt CAS RN: 240137-50-2</p>		
<p>核酸</p>				
	<p>D3545 5g 25g</p>  <p>Deoxyribonucleic Acid Sodium Salt from Salmon Milt CAS RN: 9007-49-2</p>	<p>R0022 25g</p>  <p>Ribonucleic Acid from Yeast CAS RN: 63231-63-0</p>	<p>R0024 25g</p>  <p>Ribonucleic Acid Sodium Salt from Yeast</p>	
<p>核酸関連酵素・補酵素</p>				
	<p>D0920 100mg 1g 5g</p>  <p>β-NADH Disodium Salt, reduced form CAS RN: 606-68-8</p>	<p>N0943 100mg</p>  <p>β-NADP CAS RN: 53-59-8</p>	<p>C0379 100mg 1g</p>  <p>β-NADP Sodium Salt Hydrate, oxidized form CAS RN: 1184-16-3</p>	
	<p>D0919 1g 5g</p>  <p>β-NAD, oxidized form CAS RN: 53-84-9</p>	<p>T0521 100mg</p>  <p>β-NADPH Tetrasodium Salt reduced form CAS RN: 2646-71-1</p>	<p>P0251 100mg</p>  <p>Phosphatase, Acid from Wheat Germ CAS RN: 9001-77-8</p>	
<p>T2980 100mg</p>  <p>Thionicotinamide Adenine Dinucleotide Disodium Salt reduced form</p>	<p>T2979 100mg</p>  <p>Thionicotinamide Adenine Dinucleotide oxidized form CAS RN: 4090-29-3</p>			

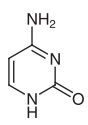
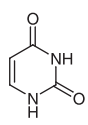
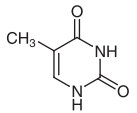
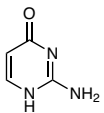
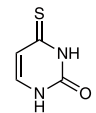
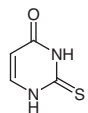
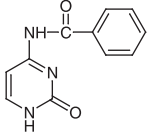
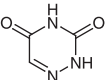
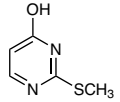
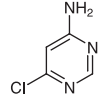
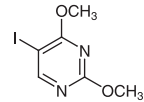
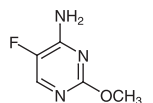
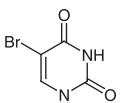
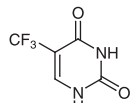
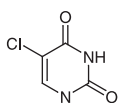
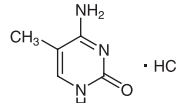
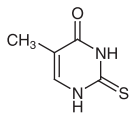
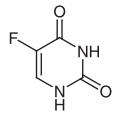
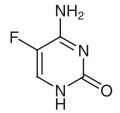
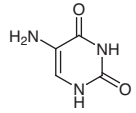
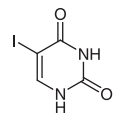
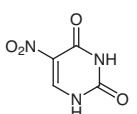
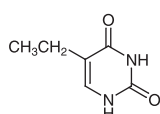
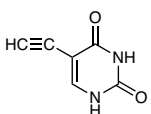
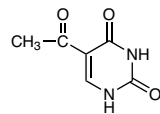
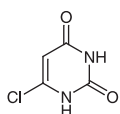
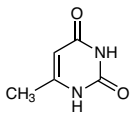
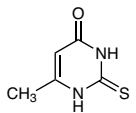
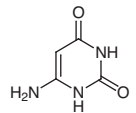
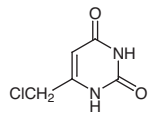
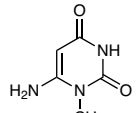
●核酸塩基と類似体

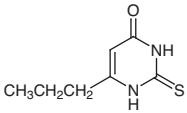
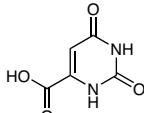
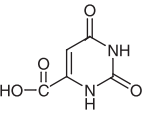
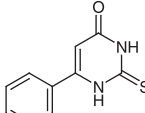
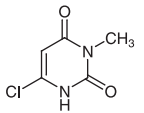
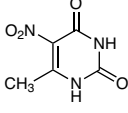
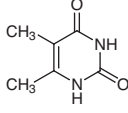
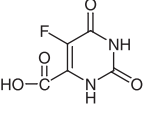
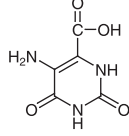
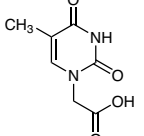
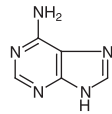
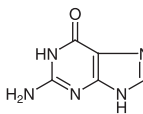
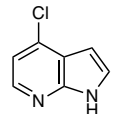
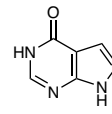
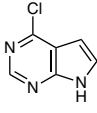
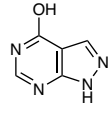
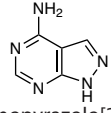
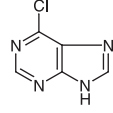
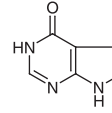
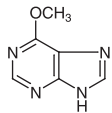
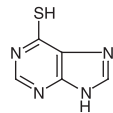
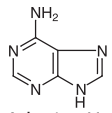
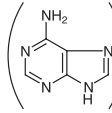
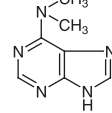
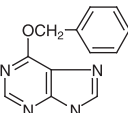
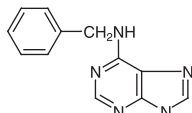
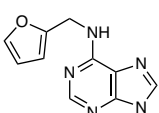
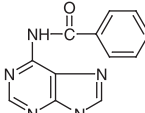
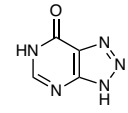
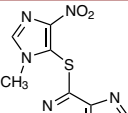
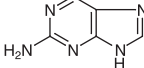
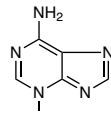
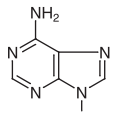
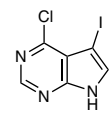
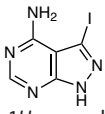
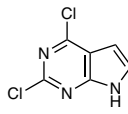
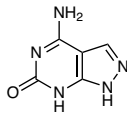
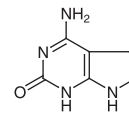
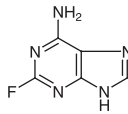
核酸塩基はDNAとRNAの構成成分で、通常は塩基と略称されています。これらはその構造によりアデニン[A0149]、グアニン[G0169]のプリン系と、シトシン[C0528]、チミン[T0234]、ウラシル[U0013]のピリミジン系に大別されます。ヒポキサンチン[H0311]およびキサンチン[X0004]は、それぞれアデニンおよび

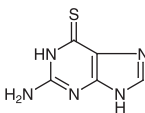
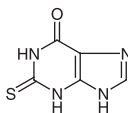
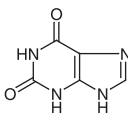
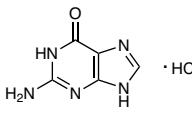
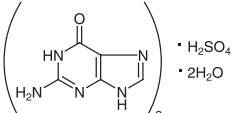
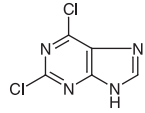
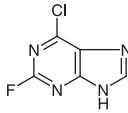
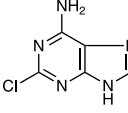
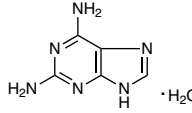
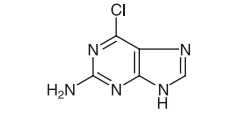
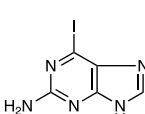
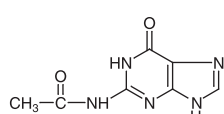
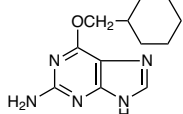
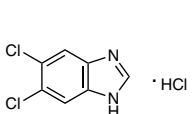
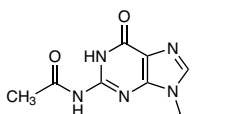
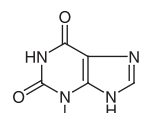
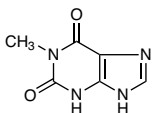
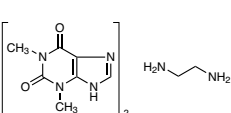
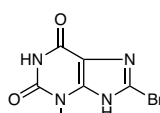
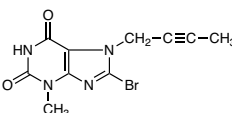
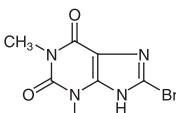
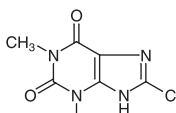
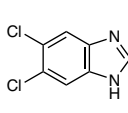
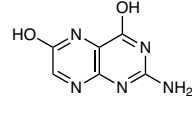
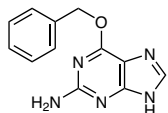
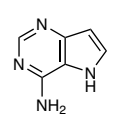
グアニンの脱アミノ化により生成する塩基で、生体内に存在します。また、核酸塩基類似体である5-フルオロウラシル (5-FU) [F0151]は抗がん剤としても用いられ、2-フルオロアデニン誘導体は抗がん剤のプロドラッグとして広範囲な研究が行われています。

核酸塩基と類似体

ピリミジン塩基

核酸塩基と類似体		ピリミジン塩基		C0528 5g 25g 100g  Cytosine CAS RN: 71-30-7	U0013 25g 100g 500g  Uracil CAS RN: 66-22-8
		T0234 5g 25g 100g  Thymine CAS RN: 65-71-4	I0814 5g  Isocytosine CAS RN: 108-53-2	T2757 1g  4-Thiouracil CAS RN: 591-28-6	T0224 25g 250g  2-Thiouracil CAS RN: 141-90-2
B3169 5g  N ⁴ -Benzoylcytosine CAS RN: 26661-13-2	A0558 1g 5g  6-Azauracil CAS RN: 461-89-2	M2355 1g 5g  2-Methylthio-4-pyrimidinol CAS RN: 5751-20-2	A2136 1g 5g  4-Amino-6-chloropyrimidine CAS RN: 5305-59-9	I0531 1g 5g  5-Iodo-2,4-dimethoxypyrimidine CAS RN: 52522-99-3	
A2125 5g  4-Amino-5-fluoro-2-methoxypyrimidine CAS RN: 1993-63-1	B0665 25g  5-Bromouracil CAS RN: 51-20-7	T1622 1g 5g  5-(Trifluoromethyl)uracil CAS RN: 54-20-6	C0969 5g 25g  5-Chlorouracil CAS RN: 1820-81-1	M0204 100mg 1g 5g  5-Methylcytosine Hydrochloride CAS RN: 58366-64-6	
M0994 10g 25g  5-Methyl-2-thiouracil CAS RN: 636-26-0	F0151 5g 25g  5-Fluorouracil CAS RN: 51-21-8	F0321 1g 5g 25g  5-Fluorocytosine CAS RN: 2022-85-7	A0898 5g 25g  5-Aminouracil CAS RN: 932-52-5	I0219 5g 25g  5-Iodouracil CAS RN: 696-07-1	
N0281 5g 25g  5-Nitouracil CAS RN: 611-08-5	E0807 1g 5g  5-Ethyluracil CAS RN: 4212-49-1	E1096 200mg 1g  5-Ethynyluracil CAS RN: 59989-18-3	A2670 1g 5g  5-Acetyluracil CAS RN: 6214-65-9	C2093 5g 25g  6-Chlorouracil CAS RN: 4270-27-3	
M0454 25g  6-Methyluracil CAS RN: 626-48-2	M0443 25g 500g  6-Methyl-2-thiouracil CAS RN: 56-04-2	A0658 25g 250g  6-Aminouracil CAS RN: 873-83-6	C1057 5g 25g  6-Chloromethyluracil CAS RN: 18592-13-7	A2449 5g  6-Amino-1-methyluracil CAS RN: 2434-53-9	

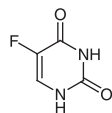
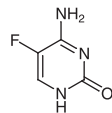
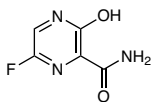
<p>P0533 25g</p>  <p>6-Propyl-2-thiouracil CAS RN: 51-52-5</p>	<p>O0633 25g</p>  <p>Orotic Acid CAS RN: 65-86-1</p>	<p>O0065 25g 100g 500g</p>  <p>Orotic Acid Monohydrate CAS RN: 50887-69-9</p>	<p>P0236 1g 5g</p>  <p>6-Phenyl-2-thiouracil CAS RN: 36822-11-4</p>	<p>C2300 5g 25g</p>  <p>6-Chloro-3-methyluracil CAS RN: 4318-56-3</p>
<p>M2506 1g 5g</p>  <p>6-Methyl-5-nitrouracil CAS RN: 16632-21-6</p>	<p>D1136 1g 5g</p>  <p>5,6-Dimethyluracil CAS RN: 26305-13-5</p>	<p>F0382 100mg 1g</p>  <p>5-Fluoroorotic Acid Monohydrate CAS RN: 220141-70-8</p>	<p>A0947 25g</p>  <p>5-Aminoorotic Acid CAS RN: 7164-43-4</p>	<p>T4102 5g 25g</p>  <p>Thymine-1-acetic Acid CAS RN: 20924-05-4</p>
<p>プリン塩基</p>				
	<p>A0149 25g 250g</p>  <p>Adenine CAS RN: 73-24-5</p>	<p>G0169 1g 25g 250g</p>  <p>Guanine CAS RN: 73-40-5</p>	<p>C2470 200mg 1g</p>  <p>4-Chloro-1H-pyrrolo[2,3-b]pyridine CAS RN: 55052-28-3</p>	<p>D4324 1g</p>  <p>7-Deazahypoxanthine CAS RN: 3680-71-5</p>
<p>C2306 1g 5g</p>  <p>6-Chloro-7-deazapurine CAS RN: 3680-69-1</p>	<p>A0907 25g</p>  <p>Allopurinol CAS RN: 315-30-0</p>	<p>A1041 100mg 1g 5g</p>  <p>4-Aminopyrazolo[3,4-d]pyrimidine CAS RN: 2380-63-4</p>	<p>C0278 5g 25g</p>  <p>6-Chloropurine CAS RN: 87-42-3</p>	<p>H0311 5g 25g</p>  <p>Hypoxanthine CAS RN: 68-94-0</p>
<p>M1925 1g 5g</p>  <p>6-Methoxypurine CAS RN: 1074-89-1</p>	<p>M0063 1g 5g</p>  <p>6-Mercaptopurine Monohydrate CAS RN: 6112-76-1</p>	<p>A0150 5g 25g</p>  <p>Adenine Hydrochloride Hemihydrate CAS RN: 6055-72-7</p>	<p>A0151 25g 100g</p>  <p>Adenine Sulfate Dihydrate CAS RN: 6509-19-9</p>	<p>D3894 1g 5g</p>  <p>6-(Dimethylamino)purine CAS RN: 938-55-6</p>
<p>B3355 5g 25g</p>  <p>6-Benzyloxypurine CAS RN: 57500-07-9</p>	<p>B1088 5g 25g</p>  <p>N⁶-Benzyladenine CAS RN: 1214-39-7</p>	<p>K0009 1g 5g</p>  <p>Kinetin CAS RN: 525-79-1</p>	<p>B3344 5g 25g</p>  <p>N⁶-Benzoyladenine CAS RN: 4005-49-6</p>	<p>A0555 1g</p>  <p>8-Azahypoxanthine CAS RN: 2683-90-1</p>
<p>A2069 5g 25g</p>  <p>Azathioprine CAS RN: 446-86-6</p>	<p>A1111 200mg 1g</p>  <p>2-Aminopurine CAS RN: 452-06-2</p>	<p>M2518 200mg 1g</p>  <p>3-Methyladenine CAS RN: 5142-23-4</p>	<p>H1290 5g 25g</p>  <p>9-(2-Hydroxyethyl)adenine CAS RN: 707-99-3</p>	<p>C3130 1g 5g</p>  <p>6-Chloro-7-iodo-7-deazapurine CAS RN: 123148-78-7</p>
<p>I0941 1g 5g</p>  <p>3-Iodo-1H-pyrazolo[3,4-d]pyrimidin-4-amine CAS RN: 151266-23-8</p>	<p>D4284 1g 5g</p>  <p>2,6-Dichloro-7-deazapurine CAS RN: 90213-66-4</p>	<p>A2699 100mg</p>  <p>AHPP CAS RN: 5472-41-3</p>	<p>I0370 100mg</p>  <p>Isoguanine CAS RN: 3373-53-3</p>	<p>F0647 200mg 1g</p>  <p>2-Fluoroadenine CAS RN: 700-49-2</p>

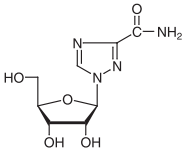
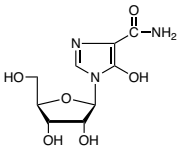
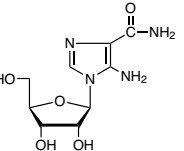
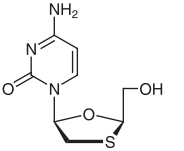
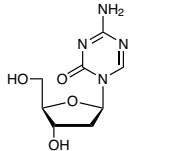
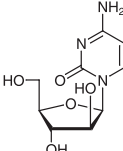
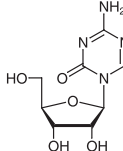
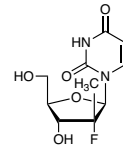
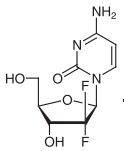
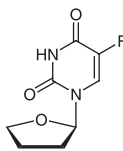
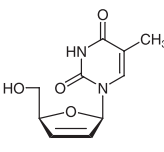
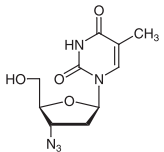
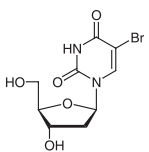
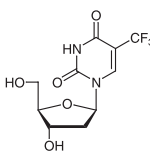
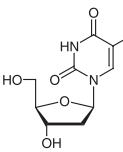
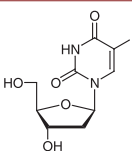
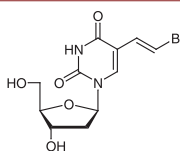
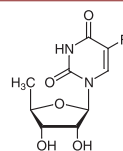
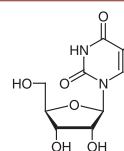
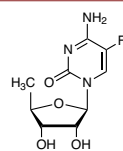
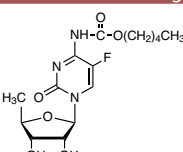
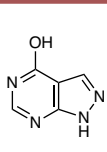
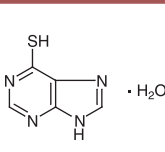
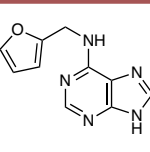
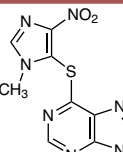
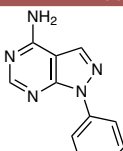
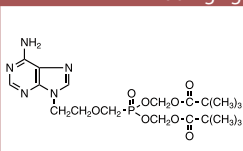
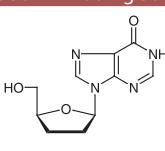
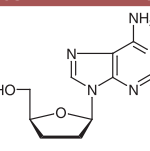
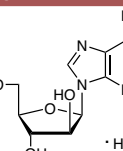
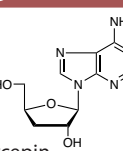
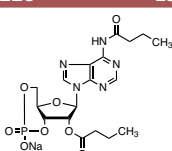
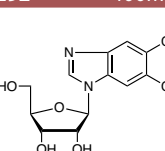
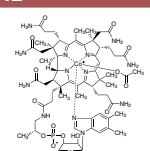
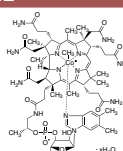
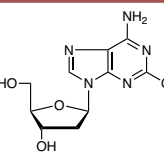
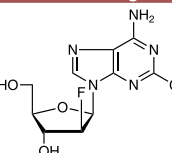
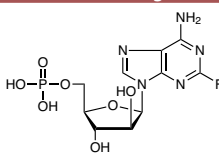
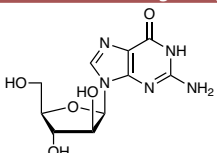
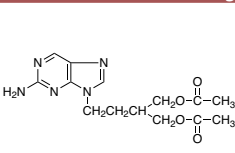
T0212 1g 5g  6-Thioguanine CAS RN: 154-42-7	T0225 1g 5g  2-Thioxanthine CAS RN: 2487-40-3	X0004 25g  Xanthine CAS RN: 69-89-6	G0170 25g  Guanine Hydrochloride CAS RN: 635-39-2	G0168 1g  Guanine Sulfate Dihydrate CAS RN: 10333-92-3
D2470 1g 5g 25g  2,6-Dichloropurine CAS RN: 5451-40-1	C2221 1g  6-Chloro-2-fluoropurine CAS RN: 1651-29-2	C2575 1g 5g  2-Chloroadenine CAS RN: 1839-18-5	D1625 5g 25g  2,6-Diaminopurine Monohydrate CAS RN: 402846-48-4	A1407 1g 5g  2-Amino-6-chloropurine CAS RN: 10310-21-1
A2068 5g 25g  2-Amino-6-iodopurine CAS RN: 19690-23-4	A1248 1g 5g  2-Acetamido-6-hydroxypurine CAS RN: 19962-37-9	N0958 20mg 100mg  NU 2058 CAS RN: 161058-83-9	D4295 1g 5g  5,6-Dichlorobenzimidazole Hydrochloride CAS RN: 1087737-96-9	D3604 25g  N ² ,9-Diacetylguanine CAS RN: 3056-33-5
M2073 5g 25g  3-Methylxanthine CAS RN: 1076-22-8	M2432 50mg 200mg  1-Methylxanthine CAS RN: 6136-37-4	A2805 25g 100g  Aminophylline CAS RN: 317-34-0	B4134 1g  8-Bromo-3-methylxanthine CAS RN: 93703-24-3	B4454 200mg  8-Bromo-7-(2-butyn-1-yl)-3-methylxanthine CAS RN: 666816-98-4
B3456 1g 5g  8-Bromothioephyllyne CAS RN: 10381-75-6	C0293 25g 250g  8-Chlorothioephyllyne CAS RN: 85-18-7	D5146 1g 5g  5,6-Dichlorobenzimidazol CAS RN: 6478-73-5	X0007 1g  Xanthopterin CAS RN: 5979-01-1	B4208 5g 25g  O ⁶ -Benzylguanine CAS RN: 19916-73-5
P2930 250mg  9-Deazaadenine CAS RN: 2227-98-7				

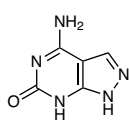
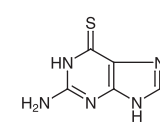
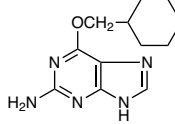
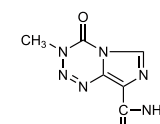
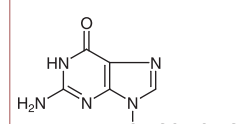
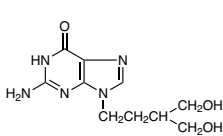
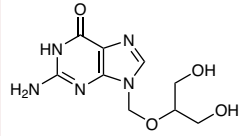
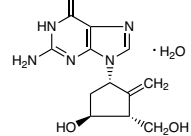
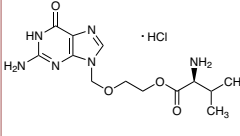
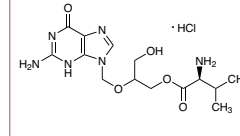
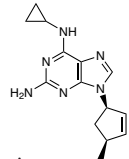
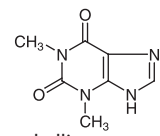
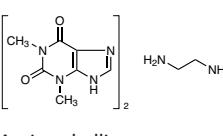
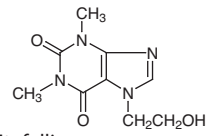
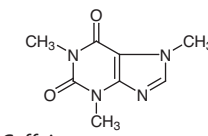
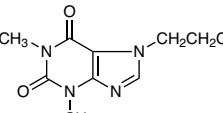
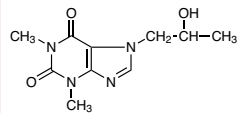
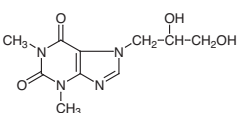
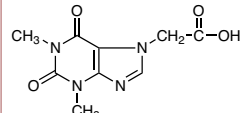
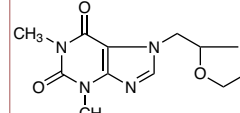
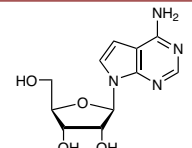
●薬理活性ヌクレオシド・核酸塩基

薬理研究用としても用いられているヌクレオシドと核酸塩基を下に示します。

薬理活性ヌクレオシド・核酸塩基 (試験研究用)

F0151 5g 25g  5-Fluorouracil CAS RN: 51-21-8	F0321 1g 5g 25g  5-Fluorocytosine CAS RN: 2022-85-7	F1296 25mg 100mg  Favipiravir CAS RN: 259793-96-9
---	--	--

<p>R0077 100mg 500mg</p>  <p>Ribavirin CAS RN: 36791-04-5</p>	<p>M2399 50mg 250mg</p>  <p>Mizoribine CAS RN: 50924-49-7</p>	<p>A2528 50mg</p>  <p>Acadesine CAS RN: 2627-69-2</p>	<p>L0217 100mg 1g</p>  <p>Lamivudine CAS RN: 134678-17-4</p>	<p>A2232 20mg 100mg</p>  <p>Decitabine CAS RN: 2353-33-5</p>
<p>C2035 1g 5g</p>  <p>Cytarabine CAS RN: 147-94-4</p>	<p>A2033 100mg 1g</p>  <p>5-Azacytidine CAS RN: 320-67-2</p>	<p>D4823 200mg 1g</p>  <p>PSI-6206 CAS RN: 863329-66-2</p>	<p>G0367 100mg 1g</p>  <p>Gemcitabine Hydrochloride CAS RN: 122111-03-9</p>	<p>F0635 5g 25g</p>  <p>Tegafur CAS RN: 17902-23-7</p>
<p>D3580 1g 5g</p>  <p>Stavudine CAS RN: 3056-17-5</p>	<p>A2052 1g 5g</p>  <p>Azidothymidine CAS RN: 30516-87-1</p>	<p>B1575 1g 5g</p>  <p>5-Bromo-2'-deoxyuridine CAS RN: 59-14-3</p>	<p>T2511 100mg 1g</p>  <p>Trifluorothymidine CAS RN: 70-00-8</p>	<p>D2235 100mg 500mg 1g</p>  <p>2'-Deoxy-5-fluorouridine CAS RN: 50-91-9</p>
<p>I0258 1g 5g 25g</p>  <p>Idoxuridine CAS RN: 54-42-2</p>	<p>B3404 100mg</p>  <p>Brivudine CAS RN: 69304-47-8</p>	<p>D3579 1g 5g</p>  <p>Doxifluridine CAS RN: 3094-09-5</p>	<p>F0636 1g 5g</p>  <p>5-Fluorouridine CAS RN: 316-46-1</p>	<p>D4342 1g 5g</p>  <p>5'-Deoxy-5-fluorocytidine CAS RN: 66335-38-4</p>
<p>C2878 1g 5g</p>  <p>Capecitabine CAS RN: 154361-50-9</p>	<p>A0907 25g</p>  <p>Allopurinol CAS RN: 315-30-0</p>	<p>M0063 1g 5g</p>  <p>6-Mercaptopurine Monohydrate CAS RN: 6112-76-1</p>	<p>K0009 1g 5g</p>  <p>Kinetin CAS RN: 525-79-1</p>	<p>A2069 5g 25g</p>  <p>Azathioprine CAS RN: 446-86-6</p>
<p>A2737 200mg 1g</p>  <p>PP 3 CAS RN: 5334-30-5</p>	<p>A2414 100mg 1g</p>  <p>Adefovir Dipivoxil CAS RN: 142340-99-6</p>	<p>D3066 100mg 500mg</p>  <p>Didanosine CAS RN: 69655-05-6</p>	<p>D3065 100mg</p>  <p>2',3'-Dideoxyadenosine CAS RN: 4097-22-7</p>	<p>V0098 1g 5g</p>  <p>Vidarabine Monohydrate CAS RN: 24356-66-9</p>
<p>C2689 25mg</p>  <p>Cordycepin from <i>Cordyceps militaris</i> CAS RN: 73-03-0</p>	<p>D4228 25mg</p>  <p>Dibutyryl cAMP Sodium Salt CAS RN: 16980-89-5</p>	<p>D4292 100mg 1g</p>  <p>DRB CAS RN: 53-85-0</p>	<p>H1542 1g 5g</p>  <p>Hydroxocobalamin Acetate CAS RN: 22465-48-1</p>	<p>M2742 1g</p>  <p>Methylcobalamin Hydrate CAS RN: 288315-09-3</p>
<p>C2499 50mg</p>  <p>Cladribine CAS RN: 4291-63-8</p>	<p>C2500 20mg 100mg</p>  <p>Clofarabine CAS RN: 123318-82-1</p>	<p>F0913 25mg 100mg</p>  <p>Fludarabine Monophosphate CAS RN: 75607-67-9</p>	<p>A2739 10mg 50mg</p>  <p>Ara-G CAS RN: 38819-10-2</p>	<p>F0842 500mg</p>  <p>Famciclovir CAS RN: 104227-87-4</p>

A2699 100mg  AHPP CAS RN: 5472-41-3	T0212 1g 5g  6-Thioguanine CAS RN: 154-42-7	N0958 20mg 100mg  NU 2058 CAS RN: 161058-83-9	T2744 500mg 5g  Temozolomide CAS RN: 85622-93-1	A1915 1g 5g 25g  Acyclovir CAS RN: 59277-89-3
P2164 200mg  Penciclovir CAS RN: 39809-25-1	G0315 5g 25g  Ganciclovir CAS RN: 82410-32-0	E0899 50mg 200mg  Entecavir Monohydrate CAS RN: 209216-23-9	V0111 100mg 1g  Valacyclovir Hydrochloride CAS RN: 124832-27-5	V0158 250mg 1g  Valganciclovir Hydrochloride CAS RN: 175865-59-5
A2694 1g 5g  Abacavir CAS RN: 136470-78-5	T0179 25g 100g 500g  Theophylline CAS RN: 58-55-9	A2805 25g 100g  Aminophylline CAS RN: 317-34-0	H0402 25g 500g  Etofylline CAS RN: 519-37-9	C2042 25g 500g  Caffeine CAS RN: 58-08-2
C2748 5g 25g  7-(2-Chloroethyl)theophylline CAS RN: 5878-61-5	H1430 5g 25g  Proxiphylline CAS RN: 603-00-9	D3600 25g  Diprophylline CAS RN: 479-18-5	T2941 25g  Theophylline-7-acetic Acid CAS RN: 652-37-9	D4302 1g 25g  Doxofylline CAS RN: 69975-86-6
T4110 250mg  Tubercidin CAS RN: 69-33-0				

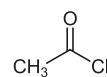
●核酸合成試薬

不溶性の核酸塩基をトリメチルシリル化により有機溶媒に可溶性脂溶性化合物に変えることにより、均一系化学反応が可能となります。Vorbrüggenらの改良Hilbert-Johnson反応により、このトリメチルシリル化塩基と糖保護体からヌクレオシドが合成されています。リン酸化剤、ホスホロチオエート剤、縮合剤、ヒドロキシ基保護剤、アミノ基保護剤はDNAやRNAの合成戦略を立てる上で重要な試剤、保護剤です。これらの試剤、保護剤を巧みに組み合わせた種々の合成法が開発されています。例えば、KhoranaらのDCC法、Letsingerらのリン酸トリエステル法、ホスファイト

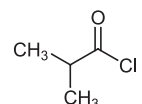
法、Caruthersらのアミダイト法などが挙げられ、それぞれ目的に応じて利用されています。近年ではDNA自動合成機の普及と共にアミダイト法が多用されるようになり、アミダイト試薬として2-シアノエチル*N,N,N',N'*-テトラインプロピルホスホロジアミダイト[C2228]がその取り扱いの容易さや安全性から汎用されています¹⁻³⁾。また、1,2,4-トリアゾール[T0340]と1*H*-テトラゾール[T1017]は、ウリジンからシチジンへの化学変換にも用いられています。化学合成DNAはPCR法のプライマー、アンチセンス分子として、あるいはDNAコンピュータの素子として、その重要性が益々高まっています。

核酸合成試薬

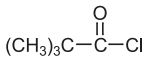
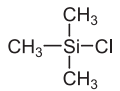
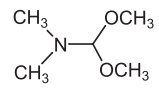
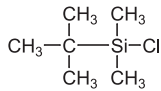
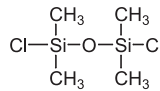
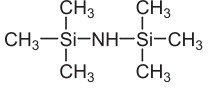
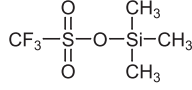
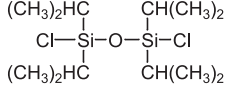
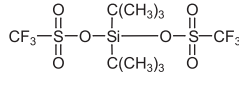
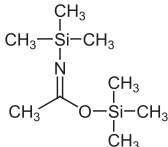
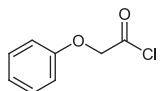
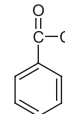
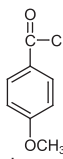

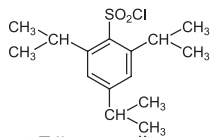

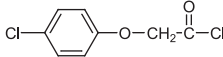
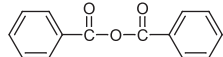
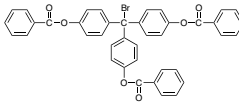
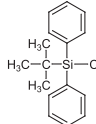
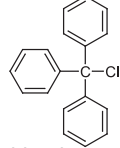
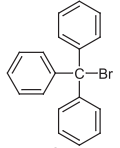
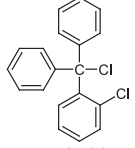
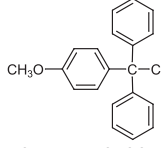
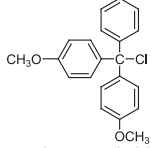
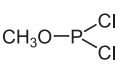
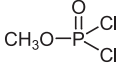
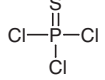
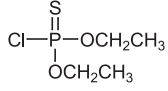
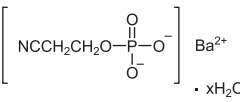
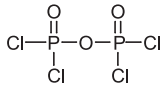
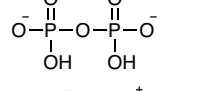
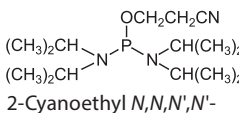
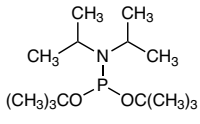


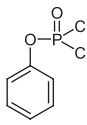
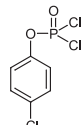
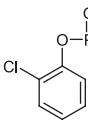
水酸基& アミノ基 保護剤

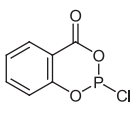
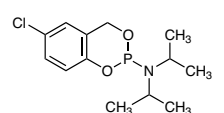
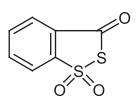
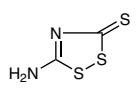
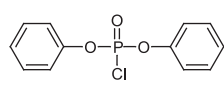
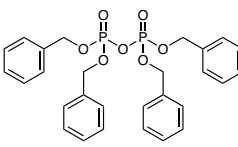
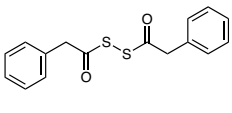
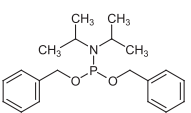
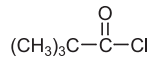

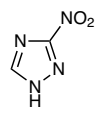

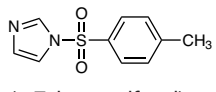
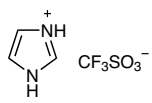
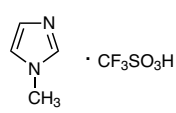
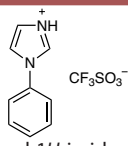
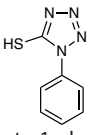
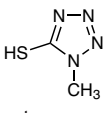
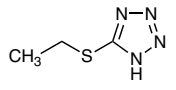
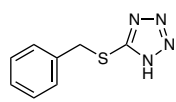
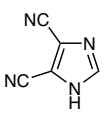
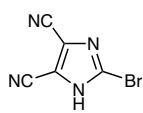
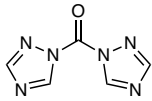
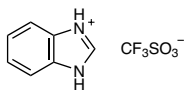
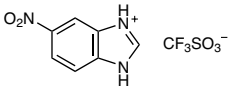
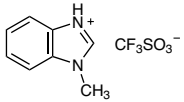

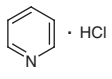
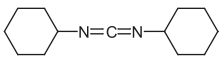
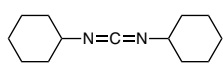
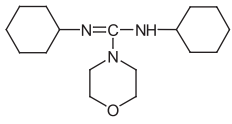
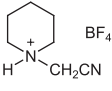
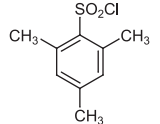
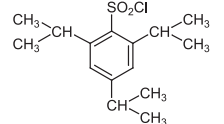
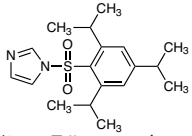
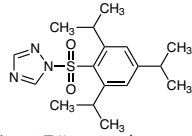
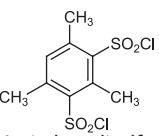
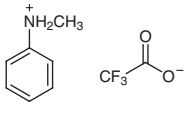
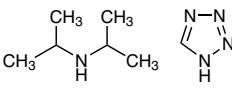


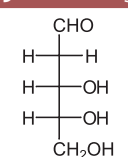
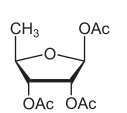
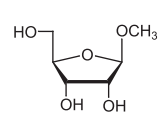
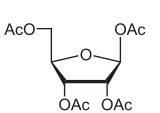
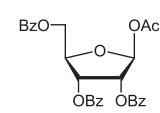
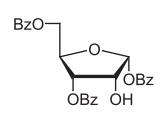
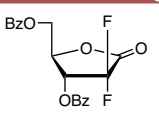
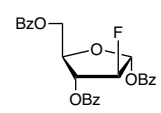
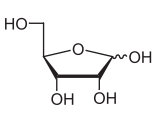
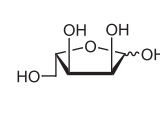
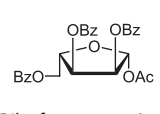
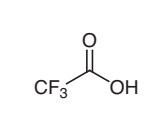
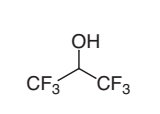
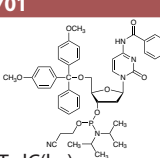
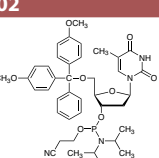
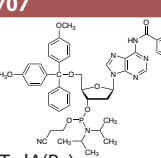
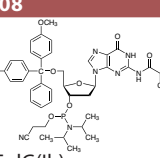
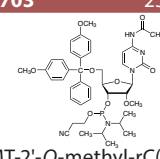
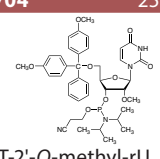
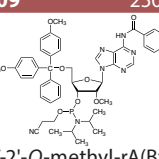
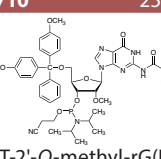
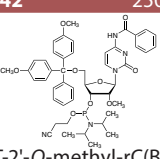
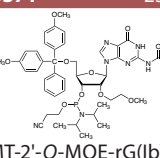
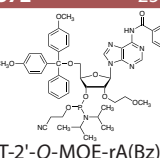
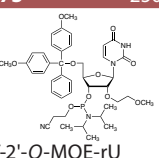
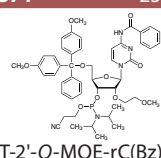
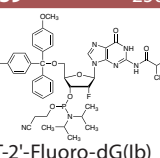
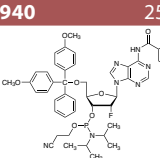
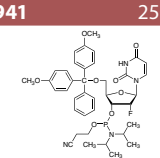
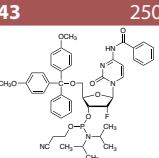
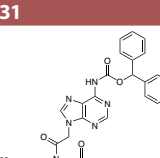
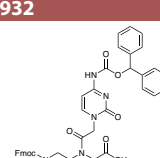
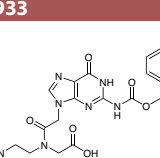
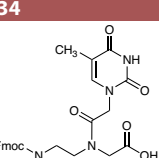
Acetyl Chloride
CAS RN: 75-36-5



Isobutyryl Chloride
CAS RN: 79-30-1

<p>P0677 25mL 500mL</p>  <p>Pivaloyl Chloride CAS RN: 3282-30-2</p>	<p>C0306 25mL 100mL 500mL</p>  <p>Chlorotrimethylsilane CAS RN: 75-77-4</p>	<p>D1293 25mL 100mL 500mL</p>  <p><i>N,N</i>-Dimethylformamide Dimethyl Acetal CAS RN: 4637-24-5</p>	<p>B0995 5g 25g 100g</p>  <p>TBSCl CAS RN: 18162-48-6</p>	<p>D2334 5g 25g</p>  <p>1,3-Dichloro-1,1,3,3-tetramethyldisiloxane CAS RN: 2401-73-2</p>
<p>H0089 25mL 100mL 500mL</p>  <p>HMDS CAS RN: 999-97-3</p>	<p>T0871 5g 25g 250g</p>  <p>Trimethylsilyl Trifluoromethanesulfonate CAS RN: 27607-77-8</p>	<p>D1608 5g 25g</p>  <p>1,3-Dichloro-1,1,3,3-tetraisopropylidisiloxane CAS RN: 69304-37-6</p>	<p>D3135 1g 5g</p>  <p>Di-<i>tert</i>-butylsilyl Bis(trifluoromethanesulfonate) CAS RN: 85272-31-7</p>	<p>B0511 10mL 100mL</p>  <p>BSA CAS RN: 10416-59-8</p>
<p>P0113 25g 500g</p>  <p>Phenoxyacetyl Chloride CAS RN: 701-99-5</p>	<p>B0105 25mL 500mL</p>  <p>Benzoyl Chloride CAS RN: 98-88-4</p>	<p>M0721 25g 100g 500g</p>  <p>4-Methoxybenzoyl Chloride CAS RN: 100-07-2</p>	<p>N0404 5g 25g</p>  <p>2-Nitrobenzyl Bromide CAS RN: 3958-60-9</p>	<p>T0459 25g 500g</p>  <p>2,4,6-Triisopropylbenzenesulfonyl Chloride CAS RN: 6553-96-4</p>
<p>B1151 5g</p>  <p>1,3-Benzodithiolium Tetrafluoroborate CAS RN: 57842-27-0</p>	<p>C0832 25g 100g 500g</p>  <p>4-Chlorophenoxyacetyl Chloride CAS RN: 4122-68-3</p>	<p>B0078 25g 100g 500g</p>  <p>Benzoic Anhydride CAS RN: 93-97-0</p>	<p>T1071 5g 25g</p>  <p>4,4',4''-Tris(benzoyloxy)- trityl Bromide CAS RN: 86610-66-4</p>	<p>B1223 5mL 25mL 100mL</p>  <p><i>tert</i>-Butyldiphenyl- chlorosilane CAS RN: 58479-61-1</p>
<p>C0308 25g 100g 500g</p>  <p>Trityl Chloride CAS RN: 76-83-5</p>	<p>T0512 25g 100g</p>  <p>Trityl Bromide CAS RN: 596-43-0</p>	<p>D2504 25g</p>  <p>2-Chlorotriptyl Chloride CAS RN: 42074-68-0</p>	<p>M0790 25g 250g</p>  <p>4-Methoxytrityl Chloride CAS RN: 14470-28-1</p>	<p>D1612 5g 25g</p>  <p>4,4'-Dimethoxytrityl Chloride CAS RN: 40615-36-9</p>
<p>リン酸化剤&ホスホロチオエート化剤</p>				
<p>M0905 10g</p>  <p>Methyl Dichlorophosphite CAS RN: 3279-26-3</p>	<p>M0904 5g 25g 100g</p>  <p>Methyl Phosphorodichloridate CAS RN: 677-24-7</p>	<p>T1895 25g</p>  <p>Thiophosphoryl Chloride CAS RN: 3982-91-0</p>	<p>D0624 25g 500g</p>  <p>Diethyl Chlorothiophosphate CAS RN: 2524-04-1</p>	
<p>C0978 5g 25g</p>  <p>Barium 2-Cyanoethylphosphate Hydrate CAS RN: 207121-42-4</p>	<p>D2883 25g</p>  <p>Diphosphoryl Chloride CAS RN: 13498-14-1</p>	<p>B5440 200mg 1g</p>  <p>Bis(tetrabutylammonium) Dihydrogen Pyrophosphate CAS RN: 857447-79-1</p>	<p>C2228 1g 5g</p>  <p>2-Cyanoethyl <i>N,N,N',N'</i>- Tetraisopropyl- phosphordiamidite CAS RN: 102691-36-1</p>	<p>D4211 1g 5g</p>  <p>Di-<i>tert</i>-butyl <i>N,N</i>- Diisopropylphosphoramidite CAS RN: 137348-86-8</p>
<p>C1215 5g 25g</p>  <p>2-Chloro-1,3,2-dioxaphospholane CAS RN: 822-39-9</p>	<p>C1250 5g 25g</p>  <p>2-Chloro-2-oxo-1,3,2-dioxaphospholane CAS RN: 6609-64-9</p>	<p>P0209 25g 500g</p>  <p>Phenyl Dichlorophosphate CAS RN: 770-12-7</p>	<p>C0977 5g 25g</p>  <p>4-Chlorophenyl Phosphorodichloridate CAS RN: 772-79-2</p>	<p>C0976 5g</p>  <p>2-Chlorophenyl Phosphorodichloridate CAS RN: 15074-54-1</p>

<p>C1210 5g 25g</p>  <p>2-Chloro-4H-1,3,2-benzodioxaphosphorin-4-one CAS RN: 5381-99-7</p>	<p>C3326 200mg 1g</p>  <p>5-Chlorosaligenyl-N,N-diisopropylphosphoramidite CAS RN: 1620086-77-2</p>	<p>B3125 1g 5g</p>  <p>Beaucage Reagent CAS RN: 66304-01-6</p>	<p>X0001 25g 100g 500g</p>  <p>Xanthane Hydride CAS RN: 6846-35-1</p>	<p>D1059 25g 100g 500g</p>  <p>Diphenyl Chlorophosphate CAS RN: 2524-64-3</p>	
<p>P1223 1g</p>  <p>Tetrabenzyl Pyrophosphate CAS RN: 990-91-0</p>	<p>B3623 5g 25g</p>  <p>Bis(phenylacetyl) Disulfide CAS RN: 15088-78-5</p>	<p>D2624 5g</p>  <p>Dibenzyl N,N-Diisopropylphosphoramidite CAS RN: 108549-23-1</p>	<p>縮合剤</p>		<p>P0677 25mL 500mL</p>  <p>Pivaloyl Chloride CAS RN: 3282-30-2</p>
<p>T0340 25g 100g 500g</p>  <p>1,2,4-Triazole CAS RN: 288-88-0</p>	<p>N0477 1g 5g</p>  <p>3-Nitro-1,2,4-triazole CAS RN: 24807-55-4</p>	<p>T1017 5g 25g</p>  <p>1H-Tetrazole CAS RN: 288-94-8</p>	<p>T1985 5g 25g</p>  <p>1-(p-Toluenesulfonyl)-imidazole CAS RN: 2232-08-8</p>	<p>I1157 1g 10g</p>  <p>Imidazolium Triflate CAS RN: 29727-06-8</p>	
<p>M3214 5g 25g</p>  <p>1-Methylimidazole Triflate CAS RN: 99257-94-0</p>	<p>P2822 5g 25g</p>  <p>1-Phenyl-1H-imidazol-3-ium Triflate CAS RN: 361447-81-6</p>	<p>P0640 25g 100g 500g</p>  <p>5-Mercapto-1-phenyl-1H-tetrazole CAS RN: 86-93-1</p>	<p>M1081 25g 500g</p>  <p>5-Mercapto-1-methyltetrazole CAS RN: 13183-79-4</p>	<p>E0670 1g 5g</p>  <p>5-(Ethylthio)-1H-tetrazole CAS RN: 89797-68-2</p>	
<p>B3020 25g</p>  <p>5-(Benzylthio)-1H-tetrazole CAS RN: 21871-47-6</p>	<p>D2026 25g 250g</p>  <p>4,5-Dicyanoimidazole CAS RN: 1122-28-7</p>	<p>B6329 1g 5g</p>  <p>2-Bromo-4,5-dicyanoimidazole CAS RN: 50847-09-1</p>	<p>C2325 5g 25g</p>  <p>1,1'-Carbonyldi(1,2,4-triazole) CAS RN: 41864-22-6</p>	<p>B6330 1g 10g</p>  <p>Benzimidazolium Triflate CAS RN: 99257-95-1</p>	
<p>N1214 1g 10g</p>  <p>5-Nitrobenzimidazolium Triflate CAS RN: 574704-91-9</p>	<p>M3384 5g 25g</p>  <p>N-Methyl benzimidazolium Triflate CAS RN: 361447-89-4</p>	<p>P2920 5g 25g</p>  <p>Pyridinium Trifluoroacetate CAS RN: 464-05-1</p>	<p>P1637 25g 100g 500g</p>  <p>Pyridine Hydrochloride CAS RN: 628-13-7</p>	<p>D0436 25g 400g</p>  <p>DCC CAS RN: 538-75-0</p>	
<p>D4876 100g</p>  <p>DCC (Granulated) CAS RN: 538-75-0</p>	<p>D3792 5g 25g</p>  <p>N,N'-Dicyclohexyl-4-morpholinecarboxamide CAS RN: 4975-73-9</p>	<p>C2421 5g</p>  <p>1-(Cyanomethyl)-piperidinium Tetrafluoroborate CAS RN: 434937-12-9</p>	<p>M0071 25g 100g</p>  <p>2-Mesitylenesulfonyl Chloride CAS RN: 773-64-8</p>	<p>T0459 25g 500g</p>  <p>2,4,6-Triisopropylbenzenesulfonyl Chloride CAS RN: 6553-96-4</p>	
<p>T1410 5g 25g</p>  <p>1-(2,4,6-Triisopropylbenzenesulfonyl)imidazole CAS RN: 50257-40-4</p>	<p>T2951 1g 5g</p>  <p>1-(2,4,6-Triisopropylbenzenesulfonyl)-1,2,4-triazole CAS RN: 54230-60-3</p>	<p>M1186 5g 25g</p>  <p>2,4-Mesitylenedisulfonyl Dichloride CAS RN: 68985-08-0</p>	<p>M0801 25g</p>  <p>N-MATFA CAS RN: 29885-95-8</p>	<p>D6204 5g</p>  <p>Diisopropylammonium Tetrazol-1-ide CAS RN: 93183-36-9</p>	

<p>リボース および 2'-デオキシ リボース</p>	<p>D0059 5g 25g</p>  <p>2-Deoxy-D-ribose CAS RN: 533-67-5</p>	<p>T2607 5g 25g</p>  <p>1,2,3-Tri-O-acetyl-5-deoxy-β-D-ribofuranose CAS RN: 62211-93-2</p>	<p>M1965 1g 5g</p>  <p>Methyl β-D-Ribofuranoside CAS RN: 7473-45-2</p>	<p>R0066 5g 25g</p>  <p>Tetra-O-acetyl-β-D-ribofuranose CAS RN: 13035-61-5</p>
<p>R0067 5g 25g</p>  <p>β-D-Ribofuranose 1-Acetate 2,3,5-Tribenzoate CAS RN: 6974-32-9</p>	<p>T2641 5g 25g</p>  <p>1,3,5-Tri-O-benzoyl-α-D-ribofuranose CAS RN: 22224-41-5</p>	<p>D4207 1g 5g</p>  <p>2-Deoxy-2,2-difluoro-D-erythro-pentonic Acid γ-Lactone 3,5-Dibenzoate CAS RN: 122111-01-7</p>	<p>D4594 1g 5g</p>  <p>2-Deoxy-2-fluoro-1,3,5-tri-O-benzoyl-α-D-arabinofuranose CAS RN: 97614-43-2</p>	<p>R0025 25g 250g</p>  <p>D(-)-Ribose CAS RN: 50-69-1</p>
<p>R0068 1g 5g 25g</p>  <p>L-Ribose CAS RN: 24259-59-4</p>	<p>R0080 1g</p>  <p>β-L-Ribofuranose 1-Acetate 2,3,5-Tribenzoate CAS RN: 3080-30-6</p>	<p>脱保護剤</p>	<p>T0431 25g 100g 500g</p>  <p>Trifluoroacetic Acid CAS RN: 76-05-1</p>	<p>H0424 25g 100g 500g</p>  <p>HFIP CAS RN: 920-66-1</p>
<p>ヌクレオシド ホスホロ アミダイト</p>	<p>D5701 1g</p>  <p>DMT-d(Cb) Phosphoramidite CAS RN: 102212-98-6</p>	<p>D5702 1g</p>  <p>DMT-dT Phosphoramidite CAS RN: 98796-51-1</p>	<p>D5707 1g</p>  <p>DMT-dA(Bz) Phosphoramidite CAS RN: 98796-53-3</p>	<p>D5708 1g</p>  <p>DMT-dG(Ib) Phosphoramidite CAS RN: 93183-15-4</p>
<p>D5703 250mg</p>  <p>DMT-2'-O-methyl-rC(Ac) Phosphoramidite CAS RN: 199593-09-4</p>	<p>D5704 250mg</p>  <p>DMT-2'-O-methyl-rU Phosphoramidite CAS RN: 110764-79-9</p>	<p>D5709 250mg</p>  <p>DMT-2'-O-methyl-rA(Bz) Phosphoramidite CAS RN: 110782-31-5</p>	<p>D5710 250mg</p>  <p>DMT-2'-O-methyl-rG(Ib) Phosphoramidite CAS RN: 150780-67-9</p>	<p>D5942 250mg</p>  <p>DMT-2'-O-methyl-rC(Bz) Phosphoramidite CAS RN: 110764-78-8</p>
<p>M3371 250mg</p>  <p>DMT-2'-O-MOE-rG(Ib) Phosphoramidite CAS RN: 251647-55-9</p>	<p>M3372 250mg</p>  <p>DMT-2'-O-MOE-rA(Bz) Phosphoramidite CAS RN: 251647-53-7</p>	<p>M3373 250mg</p>  <p>DMT-2'-O-MOE-rU Phosphoramidite CAS RN: 163759-97-5</p>	<p>M3374 250mg</p>  <p>DMT-2'-O-MOE-rC(Bz) Phosphoramidite CAS RN: 251647-54-8</p>	<p>D5939 250mg</p>  <p>DMT-2'-Fluoro-dG(Ib) Phosphoramidite CAS RN: 144089-97-4</p>
<p>D5940 250mg</p>  <p>DMT-2'-Fluoro-dA(Bz) Phosphoramidite CAS RN: 136834-22-5</p>	<p>D5941 250mg</p>  <p>DMT-2'-Fluoro-dU Phosphoramidite CAS RN: 146954-75-8</p>	<p>D5943 250mg</p>  <p>DMT-2'-Fluoro-dC(Bz) Phosphoramidite CAS RN: 161442-19-9</p>	<p>ペプチド核酸 (PNA) モノマー</p>	<p>D5931 1g</p>  <p>Fmoc-PNA-A(Bhoc)-OH CAS RN: 186046-82-2</p>
<p>D5932 1g</p>  <p>Fmoc-PNA-C(Bhoc)-OH CAS RN: 186046-81-1</p>	<p>D5933 1g</p>  <p>Fmoc-PNA-G(Bhoc)-OH CAS RN: 186046-83-3</p>	<p>D5934 1g</p>  <p>Fmoc-PNA-T-OH CAS RN: 169396-92-3</p>		

文献

- 1) H. Vorbrüggen, C. Ruh-Pohlentz, in *Handbook of Nucleoside Synthesis*, Wiley-Interscience, New York, **2001**; H. Vorbrüggen, C. Ruh-Pohlentz, in *Organic Reactions*, ed. by L. A. Paquette *et al.*, John Wiley & Sons, **2000**, Vol. 55; D. M. Huryn, M. Okabe, *Chem. Rev.* **1992**, 92, 1745; E. Ichikawa, K. Kato, *Curr. Med. Chem.* **2001**, 8, 385.
- 2) Z. Liu, S. Liu, Z. Xie, W. Blum, D. Perrotti, P. Paschka, R. Klisovic, J. Byrd, K. K. Chan, G. Marcucci, *Nucleic Acids Res.* **2007**, 35, e31; A. Alcázar Magaña, K. Wrobel, Y. Alvarado Caudillo, S. Zaina, G. Lund, K. Wrobel, *Anal. Biochem.* **2008**, 374, 378; M. Münzel, D. Globisch, T. Brückl, M. Wagner, V. Welzmler, S. Michalakis, M. Müller, M. Biel, T. Carell, *Angew. Chem. Int. Ed.* **2010**, 49, 5375.
- 3) I. Okamoto, K. Shohda, K. Seio, M. Sekine, *J. Org. Chem.* **2003**, 68, 9971; A. Misra, S. Mishra, K. Misra, *Bioconjugate Chem.* **2004**, 15, 638.; R. Gukathasan, M. Massoudipour, I. Gupta, A. Chowdhury, S. Pulst, S. Ratnam, Y. S. Sanghvi, S. A. Laneman, *J. Organomet. Chem.* **2005**, 690, 2603.

東京化成工業株式会社

試薬製品について

■本社営業部 〒103-0001 東京都中央区日本橋小伝馬町 16-12 T-PLUS 日本橋小伝馬町8階
Tel: 03-3668-0489 Fax: 03-3668-0520 E-mail: Sales-JP@TCIchemicals.com

■大阪営業部 〒541-0041 大阪府大阪市中央区北浜 1-1-21 第2中井ビル1階
Tel: 06-6228-1155 Fax: 06-6228-1158 E-mail: osaka-s@TCIchemicals.com

スケールアップ、受託サービス(合成・開発・製造)について

□化成品営業部 〒103-0001 東京都中央区日本橋小伝馬町 16-12 T-PLUS 日本橋小伝馬町8階
Tel: 03-5651-5171 Fax: 03-5640-8021 E-mail: finechemicals@TCIchemicals.com

弊社製品取扱店

本誌掲載の化学品は試験・研究用にのみ使用するものです。化学知識のある専門家以外の方のご使用はお避けください。品目や製品情報等、掲載内容の変更を予告なく行う場合があります。内容の一部または全部の無断転載・複製はご遠慮ください。