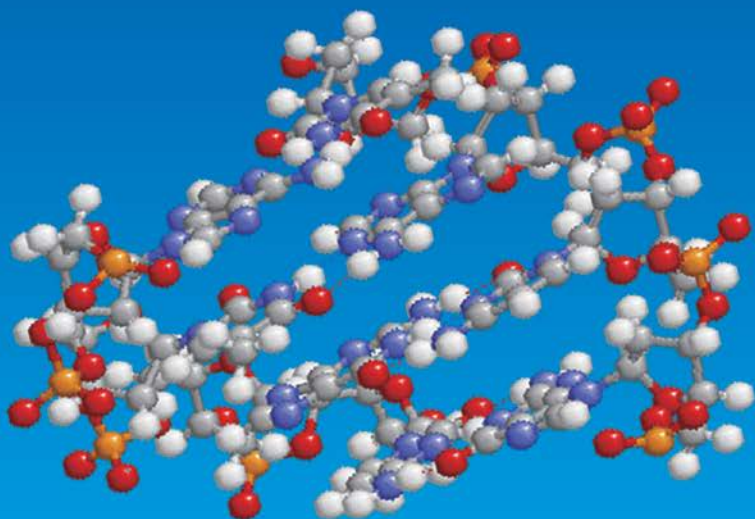


# ヌクレオシド・ヌクレオチド・ 核酸および関連試薬

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<sup>1)</sup>。

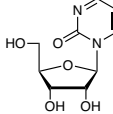
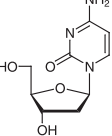
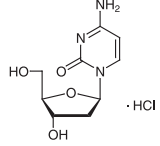
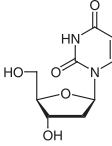
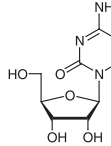
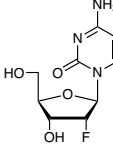
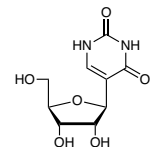
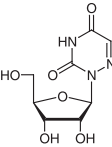
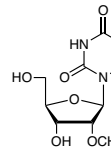
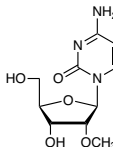
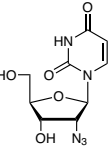
一方、近年DNAに関する研究も飛躍的な発展を遂げており、ことにPCR法の開発により、DNAを取り巻く研究は一変しました。そして今日、ヒトゲノム計画の達成が宣言され、その機能解析や塩基多形(SNP)の解析が積極的に行われています。また、RNAiプロセスの発見を契機に、RNAに関する研究も盛んに行われるようになりました。同時に化学合成オリゴDNA、RNAの優れた手法が次々と開発され、多方面で利用されています。例えば、核酸医薬としてのアンチセンスDNA、siRNA、DNAアプタマー、PCR法のプライマー、DNAコンピュータ素子などがあげられ、活発な応用研究が行われています。

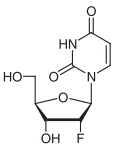
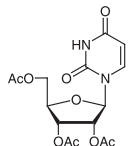
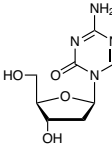
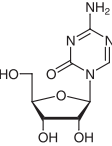
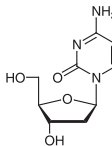
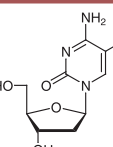
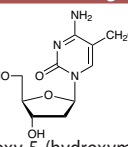
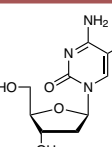
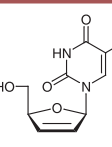
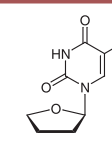
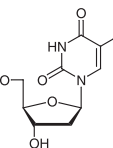
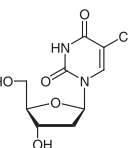
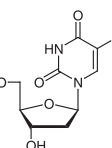
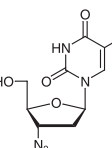
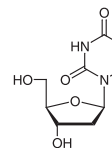
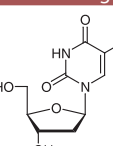
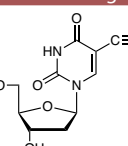
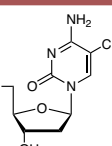
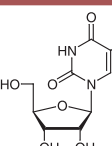
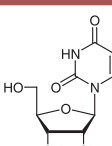
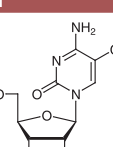
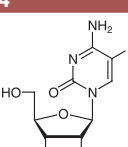
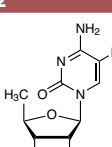
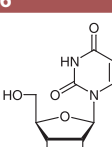
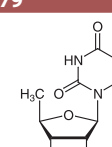
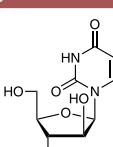
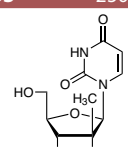
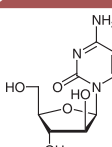
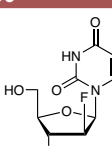
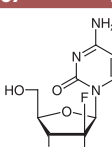
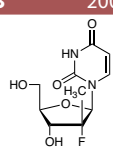
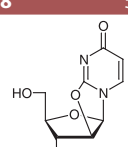
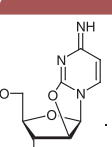
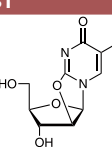
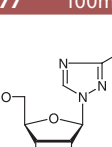
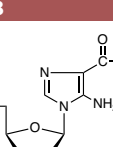
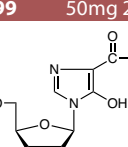
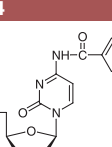
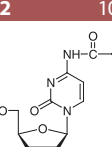
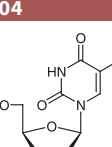
## ●ヌクレオシドと類似体

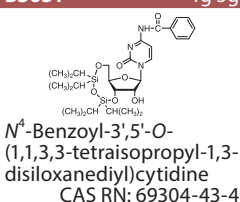
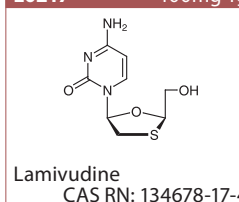
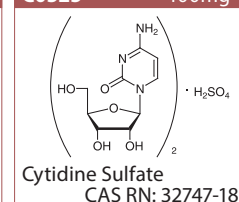
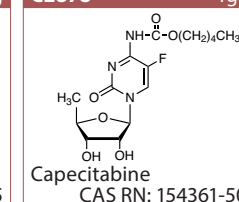
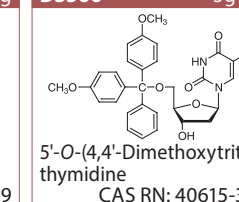
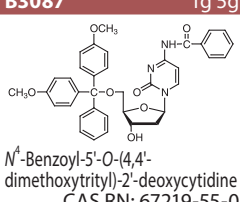
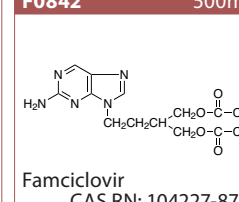
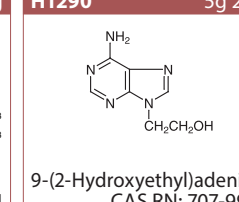
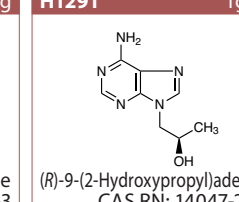
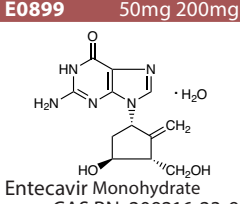
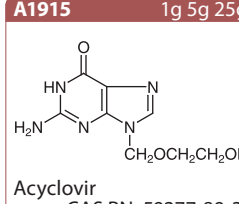
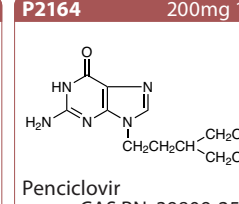
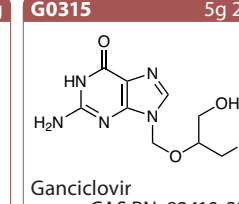
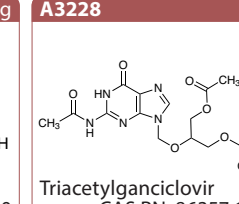
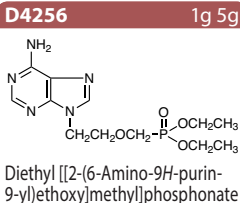
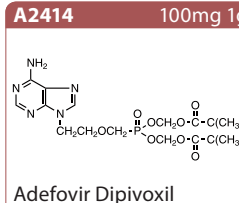
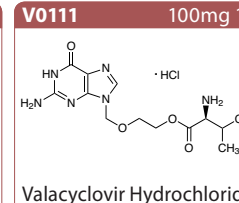
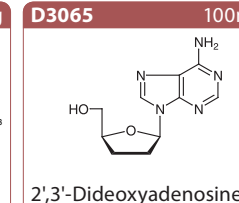
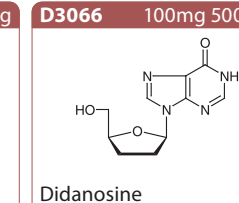
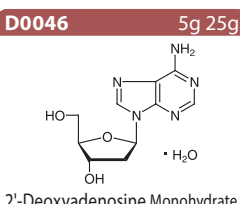
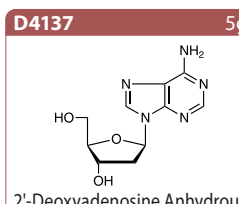
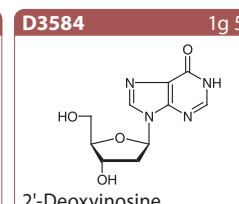
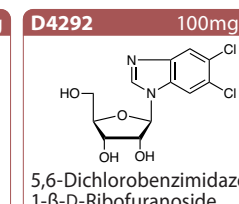
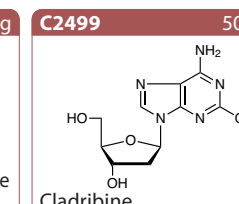
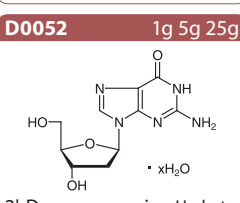
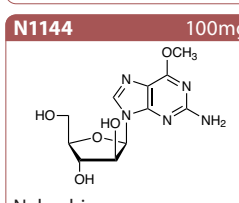
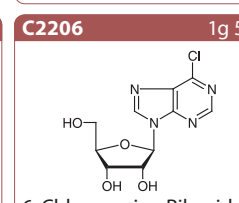
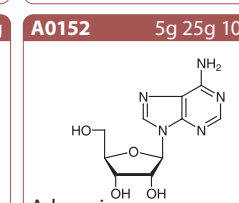
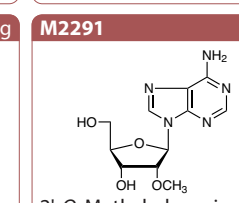
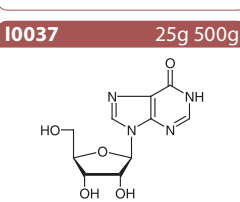
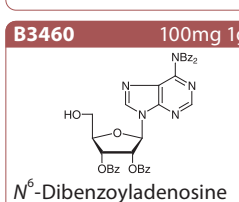
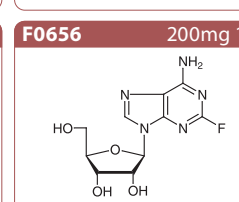
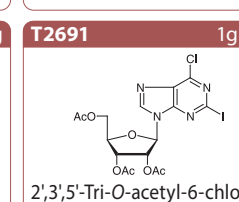
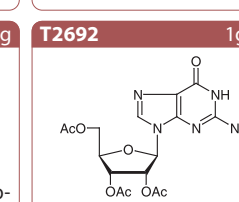
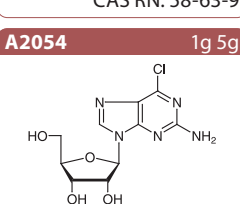
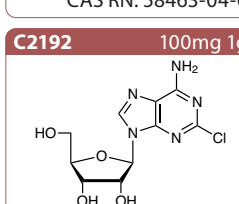
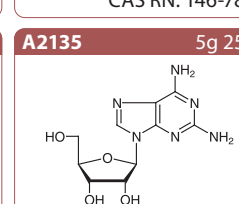
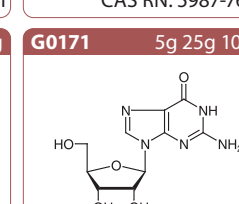
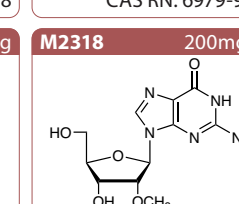
ヌクレオシドはリボースまたは2'-デオキシリボースと核酸塩基が結合したグリコシルアミンで、ヌクレオシドはりん酸化されるとヌクレオチドになります。ヌクレオシド類似体は広範囲な抗ウイルス活性や抗がん活性を持ち、臨床的に有用な薬剤として分類されています。そのため、複素環塩基や糖部分の広範囲な修飾が行われています。その代表例として、1977年にElionにより開発された抗ウイルス活性を示す9-[(2-ヒドロキシエトキシ)メチル]グアニン(アシクロビル) **[A1915]**、1985年に満屋らにより見出されたHIV感染症治療に用いられている3'-アジド-3'-デオキシチミジン(AZT) **[A2052]**、1969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<sup>2)</sup>。N<sup>6</sup>-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。

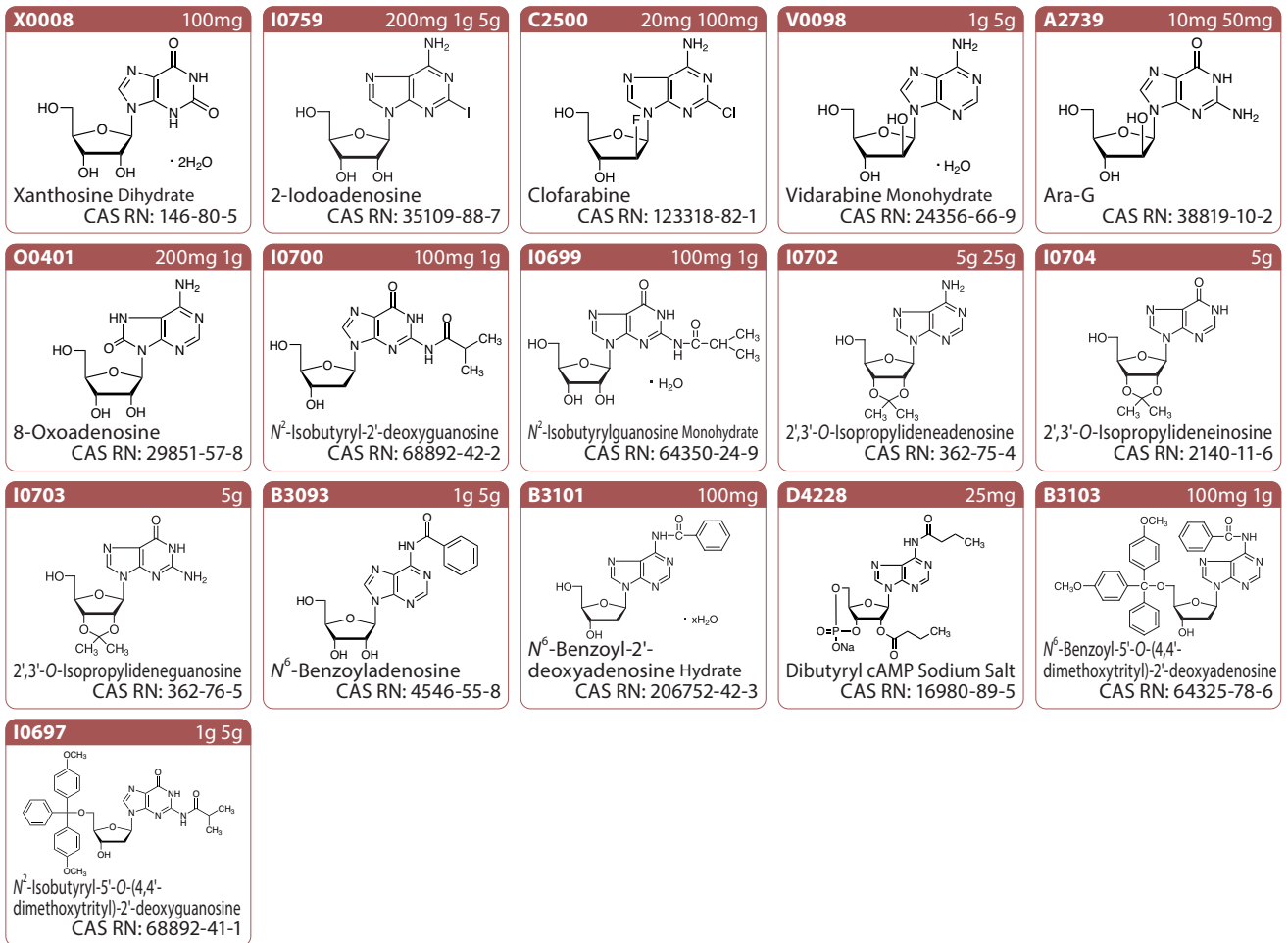
## ヌクレオシドと類似体

## ピリミジン ヌクレオシド

		<b>Z0022</b> 200mg 1g	<b>D3583</b> 1g 5g
			
		Zebularine CAS RN: 3690-10-6	2'-Deoxycytidine CAS RN: 951-77-9
<b>D0048</b> 5g 25g	<b>D0060</b> 1g 5g 25g	<b>C0522</b> 1g 5g 25g	<b>D3614</b> 1g
			
2'-Deoxycytidine Hydrochloride CAS RN: 3992-42-5	2'-Deoxyuridine CAS RN: 951-78-0	Cytidine CAS RN: 65-46-3	2'-Deoxy-2'-fluorocytidine CAS RN: 10212-20-1
<b>P2396</b> 50mg	<b>A0559</b> 10mg	<b>M2290</b> 1g 5g	<b>M2317</b> 200mg 1g
			
Pseudouridine CAS RN: 1445-07-4	6-Azauridine CAS RN: 54-25-1	2'-O-Methyluridine CAS RN: 2140-76-3	2'-O-Methylcytidine CAS RN: 2140-72-9
			<b>A2942</b> 25mg 100mg
			
			2'-Azido-2'-deoxyuridine CAS RN: 26929-65-7

<p><b>D3615</b> 1g 5g</p>  <p>2'-Deoxy-2'-fluorouridine CAS RN: 784-71-4</p>	<p><b>T2549</b> 5g 25g</p>  <p>2',3',5'-Tri-O-acetyluridine CAS RN: 4105-38-8</p>	<p><b>A2232</b> 20mg 100mg</p>  <p>5-Aza-2'-deoxycytidine CAS RN: 2353-33-5</p>	<p><b>A2033</b> 100mg 1g</p>  <p>5-Azacytidine CAS RN: 320-67-2</p>	<p><b>D3610</b> 100mg 500mg 5g</p>  <p>2'-Deoxy-5-methylcytidine CAS RN: 838-07-3</p>
<p><b>D3642</b> 1g</p>  <p>2'-Deoxy-5-fluorocytidine CAS RN: 10356-76-0</p>	<p><b>D4220</b> 50mg 200mg</p>  <p>2'-Deoxy-5-(hydroxymethyl)cytidine CAS RN: 7226-77-9</p>	<p><b>I0882</b> 1g</p>  <p>5-Iodo-2'-deoxycytidine CAS RN: 611-53-0</p>	<p><b>D3580</b> 1g 5g</p>  <p>Stavudine CAS RN: 3056-17-5</p>	<p><b>F0635</b> 5g 25g</p>  <p>Tegafur CAS RN: 17902-23-7</p>
<p><b>B1575</b> 1g 5g</p>  <p>5-Bromo-2'-deoxyuridine CAS RN: 59-14-3</p>	<p><b>T0233</b> 1g 5g 25g</p>  <p>Thymidine CAS RN: 50-89-5</p>	<p><b>T2511</b> 100mg 1g</p>  <p>Trifluorothymidine CAS RN: 70-00-8</p>	<p><b>A2052</b> 1g 5g</p>  <p>Azidothymidine CAS RN: 30516-87-1</p>	<p><b>D2235</b> 100mg 500mg 1g</p>  <p>2'-Deoxy-5-fluorouridine CAS RN: 50-91-9</p>
<p><b>I0258</b> 1g 5g 25g</p>  <p>Idoxuridine CAS RN: 54-42-2</p>	<p><b>E1057</b> 50mg 200mg</p>  <p>5-Ethynyl-2'-deoxyuridine CAS RN: 61135-33-9</p>	<p><b>E1093</b> 200mg</p>  <p>5-Ethynyl-2'-deoxycytidine CAS RN: 69075-47-4</p>	<p><b>B0666</b> 100mg 1g</p>  <p>5-Bromouridine CAS RN: 957-75-5</p>	<p><b>M1405</b> 1g 5g 25g</p>  <p>5-Methyluridine CAS RN: 1463-10-1</p>
<p><b>M1931</b> 1g</p>  <p>5-Methylcytidine CAS RN: 2140-61-6</p>	<p><b>F0534</b> 1g</p>  <p>5-Fluorocytidine CAS RN: 2341-22-2</p>	<p><b>D4342</b> 1g 5g</p>  <p>5'-Deoxy-5-fluorocytidine CAS RN: 66335-38-4</p>	<p><b>F0636</b> 1g 5g</p>  <p>5-Fluorouridine CAS RN: 316-46-1</p>	<p><b>D3579</b> 1g 5g</p>  <p>5'-Deoxy-5-fluorouridine CAS RN: 3094-09-5</p>
<p><b>A2356</b> 1g 5g</p>  <p>1-β-D-Arabinofuranosyluracil CAS RN: 3083-77-0</p>	<p><b>M3153</b> 250mg 1g</p>  <p>2'-C-Methyluridine CAS RN: 31448-54-1</p>	<p><b>C2035</b> 1g 5g</p>  <p>Cytarabine CAS RN: 147-94-4</p>	<p><b>D4200</b> 10mg</p>  <p>Fialuridine CAS RN: 69123-98-4</p>	<p><b>G0367</b> 100mg 1g</p>  <p>Gemcitabine Hydrochloride CAS RN: 122111-03-9</p>
<p><b>D4823</b> 200mg 1g</p>  <p>(2'R)-2'-Deoxy-2'-fluoro-2'-methyluridine CAS RN: 863329-66-2</p>	<p><b>C2208</b> 5g 25g</p>  <p>2,2'-O-Cyclouridine CAS RN: 3736-77-4</p>	<p><b>C2207</b> 1g 5g</p>  <p>2,2'-O-Cyclocytidine Hydrochloride CAS RN: 10212-25-6</p>	<p><b>A2431</b> 1g</p>  <p>2,2'-O-Anhydro-5-methyluridine CAS RN: 22423-26-3</p>	<p><b>R0077</b> 100mg 500mg</p>  <p>Ribavirin CAS RN: 36791-04-5</p>
<p><b>A2528</b> 50mg</p>  <p>Acadesine CAS RN: 2627-69-2</p>	<p><b>M2399</b> 50mg 250mg</p>  <p>Mizoribine CAS RN: 50924-49-7</p>	<p><b>B3094</b> 1g 5g</p>  <p>N<sup>4</sup>-Benzoylcytidine CAS RN: 13089-48-0</p>	<p><b>B3102</b> 100mg 1g</p>  <p>N<sup>4</sup>-Benzoyl-2'-deoxycytidine CAS RN: 4836-13-9</p>	<p><b>B3404</b> 100mg</p>  <p>Brivudine CAS RN: 69304-47-8</p>

<p><b>B3631</b> 1g 5g</p>  <p><b>N<sup>4</sup>-Benzoyl-3',5'-O-(1,1,3,3-tetraisopropyl)-disiloxanediyl)cytidine</b> CAS RN: 69304-43-4</p>	<p><b>L0217</b> 100mg 1g</p>  <p><b>Lamivudine</b> CAS RN: 134678-17-4</p>	<p><b>C0525</b> 100mg 1g</p>  <p><b>Cytidine Sulfate</b> CAS RN: 32747-18-5</p>	<p><b>C2878</b> 1g 5g</p>  <p><b>Capecitabine</b> CAS RN: 154361-50-9</p>	<p><b>D3566</b> 5g 25g</p>  <p><b>5'-O-(4,4'-Dimethoxytrityl)-thymidine</b> CAS RN: 40615-39-2</p>
<p><b>B3087</b> 1g 5g</p>  <p><b>N<sup>4</sup>-Benzoyl-5'-O-(4,4'-dimethoxytrityl)-2'-deoxycytidine</b> CAS RN: 67219-55-0</p>	<p style="text-align: center;"><b>プリン ヌクレオシド</b></p>	<p><b>F0842</b> 500mg</p>  <p><b>Famciclovir</b> CAS RN: 104227-87-4</p>	<p><b>H1290</b> 5g 25g</p>  <p><b>9-(2-Hydroxyethyl)adenine</b> CAS RN: 707-99-3</p>	<p><b>H1291</b> 1g 5g</p>  <p><b>(R)-9-(2-Hydroxypropyl)adenine</b> CAS RN: 14047-28-0</p>
<p><b>E0899</b> 50mg 200mg</p>  <p><b>Entecavir Monohydrate</b> CAS RN: 209216-23-9</p>	<p><b>A1915</b> 1g 5g 25g</p>  <p><b>Acyclovir</b> CAS RN: 59277-89-3</p>	<p><b>P2164</b> 200mg 1g</p>  <p><b>Penciclovir</b> CAS RN: 39809-25-1</p>	<p><b>G0315</b> 5g 25g</p>  <p><b>Ganciclovir</b> CAS RN: 82410-32-0</p>	<p><b>A3228</b> 1g</p>  <p><b>Triacetylganciclovir</b> CAS RN: 86357-14-4</p>
<p><b>D4256</b> 1g 5g</p>  <p><b>Diethyl [[2-(6-Amino-9H-purin-9-yl)ethoxymethyl]phosphonate</b> CAS RN: 116384-53-3</p>	<p><b>A2414</b> 100mg 1g</p>  <p><b>Adefovir Dipivoxil</b> CAS RN: 142340-99-6</p>	<p><b>V0111</b> 100mg 1g</p>  <p><b>Valacyclovir Hydrochloride</b> CAS RN: 124832-27-5</p>	<p><b>D3065</b> 100mg</p>  <p><b>2',3'-Dideoxyadenosine</b> CAS RN: 4097-22-7</p>	<p><b>D3066</b> 100mg 500mg</p>  <p><b>Didanosine</b> CAS RN: 69655-05-6</p>
<p><b>D0046</b> 5g 25g</p>  <p><b>2'-Deoxyadenosine Monohydrate</b> CAS RN: 16373-93-6</p>	<p><b>D4137</b> 5g</p>  <p><b>2'-Deoxyadenosine Anhydrous</b> CAS RN: 958-09-8</p>	<p><b>D3584</b> 1g 5g</p>  <p><b>2'-Deoxyinosine</b> CAS RN: 890-38-0</p>	<p><b>D4292</b> 100mg 1g</p>  <p><b>5,6-Dichlorobenzimidazole 1-β-D-Ribofuranoside</b> CAS RN: 53-85-0</p>	<p><b>C2499</b> 50mg</p>  <p><b>Cladribine</b> CAS RN: 4291-63-8</p>
<p><b>D0052</b> 1g 5g 25g</p>  <p><b>2'-Deoxyguanosine Hydrate</b> CAS RN: 961-07-9</p>	<p><b>N1144</b> 100mg</p>  <p><b>Nelarabine</b> CAS RN: 121032-29-9</p>	<p><b>C2206</b> 1g 5g</p>  <p><b>6-Chloropurine Riboside</b> CAS RN: 5399-87-1</p>	<p><b>A0152</b> 5g 25g 100g</p>  <p><b>Adenosine</b> CAS RN: 58-61-7</p>	<p><b>M2291</b> 1g</p>  <p><b>2'-O-Methyladenosine</b> CAS RN: 2140-79-6</p>
<p><b>I0037</b> 25g 500g</p>  <p><b>Inosine</b> CAS RN: 58-63-9</p>	<p><b>B3460</b> 100mg 1g</p>  <p><b>N<sup>6</sup>-Dibenzoyladenosine 2',3'-Dibenzoate</b> CAS RN: 58463-04-0</p>	<p><b>F0656</b> 200mg 1g</p>  <p><b>2-Fluoroadenosine</b> CAS RN: 146-78-1</p>	<p><b>T2691</b> 1g 5g</p>  <p><b>2',3',5'-Tri-O-acetyl-6-chloro-2-iodopurine Riboside</b> CAS RN: 5987-76-8</p>	<p><b>T2692</b> 1g 5g</p>  <p><b>2',3',5'-Tri-O-acetylguanosine</b> CAS RN: 6979-94-8</p>
<p><b>A2054</b> 1g 5g</p>  <p><b>2-Amino-6-chloropurine Riboside</b> CAS RN: 2004-07-1</p>	<p><b>C2192</b> 100mg 1g</p>  <p><b>2-Chloroadenosine</b> CAS RN: 146-77-0</p>	<p><b>A2135</b> 5g 25g</p>  <p><b>2-Aminoadenosine</b> CAS RN: 2096-10-8</p>	<p><b>G0171</b> 5g 25g 100g</p>  <p><b>Guanosine</b> CAS RN: 118-00-3</p>	<p><b>M2318</b> 200mg 1g</p>  <p><b>2'-O-Methylguanosine</b> CAS RN: 2140-71-8</p>



### ●ヌクレオチドと類似体

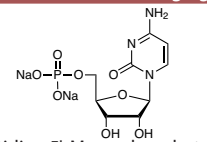
ヌクレオチドはヌクレオシドとリン酸基が結合した構造で、糖部分はリボースまたは2'-デオキシリボースです。ヌクレオチドはDNA

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

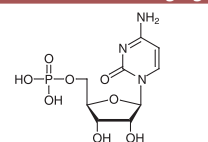
### ピリミジン ヌクレオチド

**C0524** 1g 5g



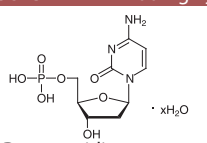
Cytidine 5'-Monophosphate Disodium Salt  
CAS RN: 6757-06-8

**C1675** 1g 5g



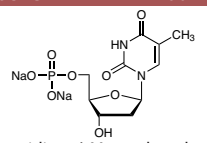
Cytidine 5'-Monophosphate  
CAS RN: 63-37-6

**D3673** 100mg 1g



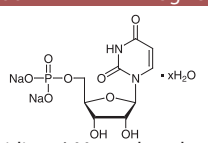
2'-Deoxycytidine 5'-Monophosphate Hydrate  
CAS RN: 1032-65-1

**T0845** 100mg



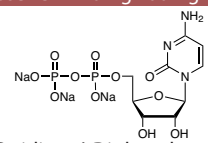
Thymidine 5'-Monophosphate Disodium Salt  
CAS RN: 33430-62-5

**U0021** 5g 25g



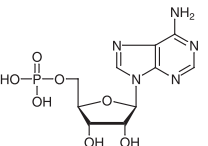
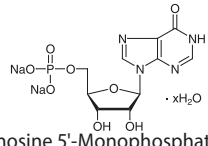
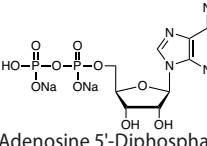
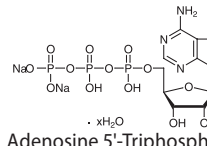
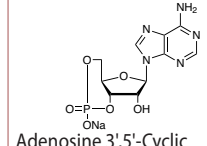
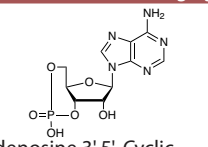
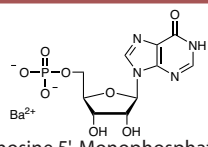
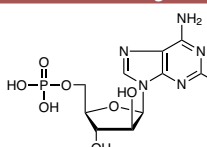
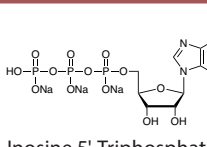
Uridine 5'-Monophosphate Disodium Salt Hydrate  
CAS RN: 3387-36-8

**C0523** 10mg 100mg 1g



Cytidine 5'-Diphosphate Trisodium Salt  
CAS RN: 34393-59-4

### プリン ヌクレオチド

<b>A0158</b> 1g 5g 25g  5'-Adenylic Acid CAS RN: 61-19-8	<b>I0036</b> 1g 5g 25g  Inosine 5'-Monophosphate Disodium Salt Hydrate CAS RN: 352195-40-5	<b>A0626</b> 100mg 1g  Adenosine 5'-Diphosphate Disodium Salt CAS RN: 16178-48-6	<b>A0157</b> 1g 5g 25g  Adenosine 5'-Triphosphate Disodium Salt Hydrate CAS RN: 34369-07-8	<b>A2112</b> 100mg  Adenosine 3',5'-Cyclic Monophosphate Sodium Salt CAS RN: 37839-81-9
<b>A2381</b> 1g 5g  Adenosine 3',5'-Cyclic Monophosphate CAS RN: 60-92-4	<b>I0039</b> 100mg  Inosine 5'-Monophosphate Barium Salt CAS RN: 3249-92-1	<b>F0913</b> 25mg 100mg  Fludarabine Monophosphate CAS RN: 75607-67-9	<b>I0038</b> 100mg  Inosine 5'-Triphosphate Trisodium Salt CAS RN: 35908-31-7	
<b>核酸</b>				
	<b>D3545</b> 5g 25g Deoxyribonucleic Acid Sodium Salt from Salmon Milt CAS RN: 9007-49-2	<b>R0022</b> 25g Ribonucleic Acid from Yeast CAS RN: 63231-63-0	<b>R0024</b> 25g Ribonucleic Acid Sodium Salt from Yeast	
<b>核酸関連酵素・補酵素</b>				
	<b>D0920</b> 100mg 1g 5g β-NADH Disodium Salt Hydrate, reduced form CAS RN: 606-68-8	<b>N0943</b> 100mg β-NADP CAS RN: 53-59-8	<b>C0379</b> 100mg 1g β-NADP Sodium Salt Hydrate, oxidized form CAS RN: 1184-16-3	
	<b>P0251</b> 100mg Phosphatase, Acid from Wheat Germ CAS RN: 9001-77-8	<b>D0919</b> 1g 5g β-NAD Hydrate, oxidized form CAS RN: 53-84-9	<b>T0521</b> 100mg β-NADPH Tetrasodium Salt reduced form CAS RN: 2646-71-1	
<b>T2980</b> 100mg Thionicotinamide Adenine Dinucleotide Disodium Salt reduced form	<b>T2979</b> 100mg Thionicotinamide Adenine Dinucleotide oxidized form CAS RN: 4090-29-3			

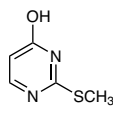
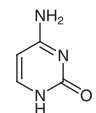
●核酸塩基と類似体

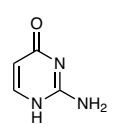
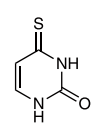
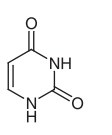
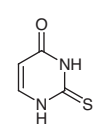
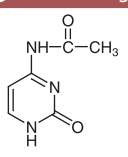
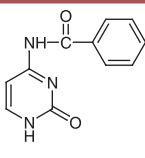
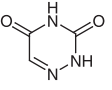
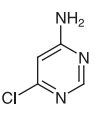
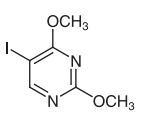
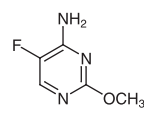
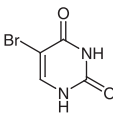
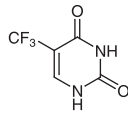
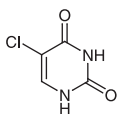
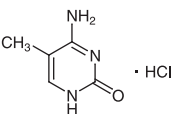
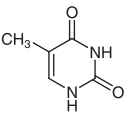
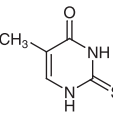
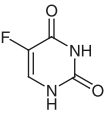
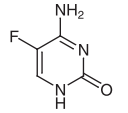
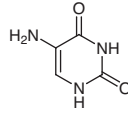
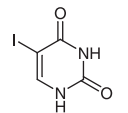
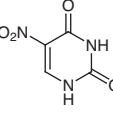
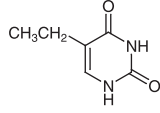
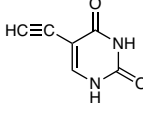
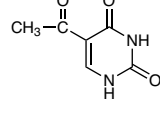
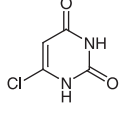
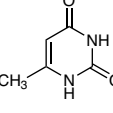
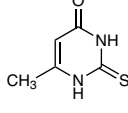
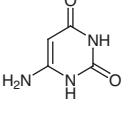
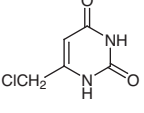
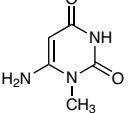
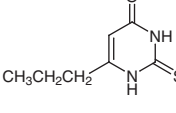
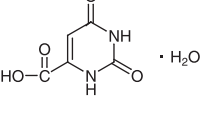
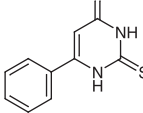
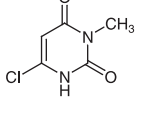
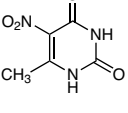
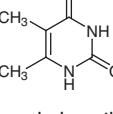
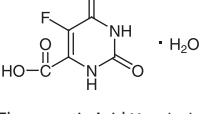
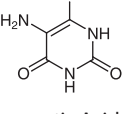
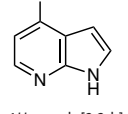
核酸塩基はDNAとRNAの構成成分で、通常は塩基と略称されています。これらはその構造によりアデニン【A0149】、グアニン【G0169】のプリン系と、シトシン【C0528】、チミン【T0234】、ウラシル【U0013】のピリミジン系に大別されます。ヒポキサンチン【H0311】およびキサンチン【X0004】は、それぞれアデニンおよび

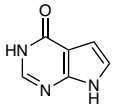
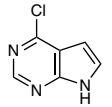
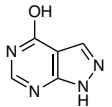
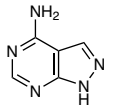
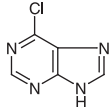
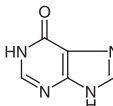
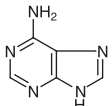
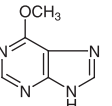
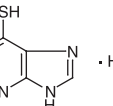
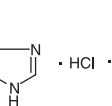
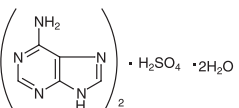
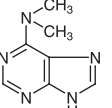
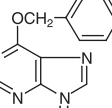
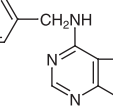
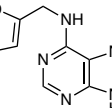
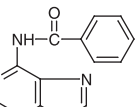
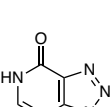
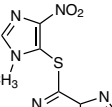
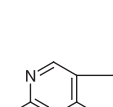
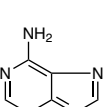
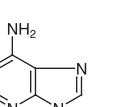
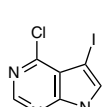
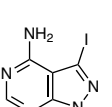
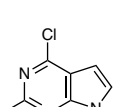
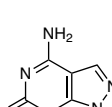
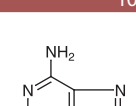
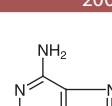
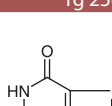
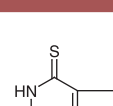
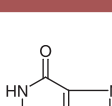
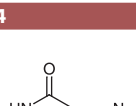
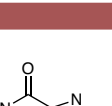
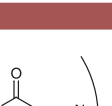
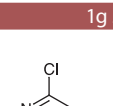
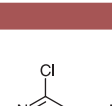
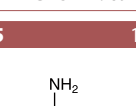
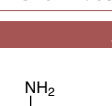
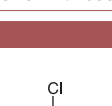


グアニンの脱アミノ化により生成する塩基で、生体内に存在します。また、核酸塩基類似体である5-フルオロウラシル (5-FU) 【F0151】は抗がん剤としても用いられ、2-フルオロアデニン誘導体は抗がん剤のプロドラッグとして広範囲な研究が行われています。

核酸塩基と類似体

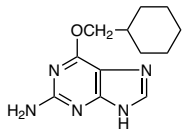
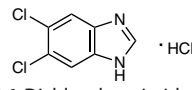
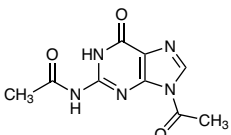
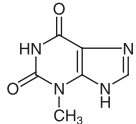
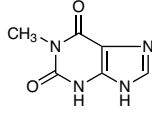
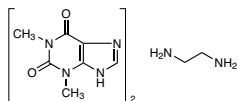
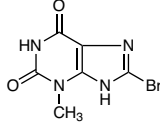
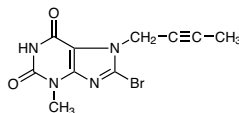
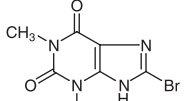
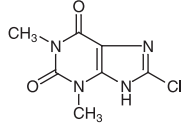
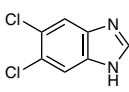
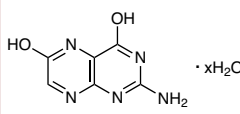
ピリミジン塩基

<b>M2355</b> 1g 5g  2-Methylthio-4-pyrimidinol CAS RN: 5751-20-2	<b>C0528</b> 5g 25g 100g  Cytosine CAS RN: 71-30-7
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<b>I0814</b> 5g  Isocytosine CAS RN: 108-53-2	<b>T2757</b> 1g  4-Thiouracil CAS RN: 591-28-6	<b>U0013</b> 25g 100g 500g  Uracil CAS RN: 66-22-8	<b>T0224</b> 25g 250g  2-Thiouracil CAS RN: 141-90-2	<b>A2089</b> 5g 25g  N <sup>4</sup> -Acetylcytosine CAS RN: 14631-20-0
<b>B3169</b> 5g  N <sup>4</sup> -Benzoylcytosine CAS RN: 26661-13-2	<b>A0558</b> 1g 5g  6-Azauracil CAS RN: 461-89-2	<b>A2136</b> 1g 5g  4-Amino-6-chloropyrimidine CAS RN: 5305-59-9	<b>I0531</b> 1g 5g  5-Iodo-2,4-dimethoxypyrimidine CAS RN: 52522-99-3	<b>A2125</b> 5g  4-Amino-5-fluoro-2-methoxypyrimidine CAS RN: 1993-63-1
<b>B0665</b> 25g  5-Bromouracil CAS RN: 51-20-7	<b>T1622</b> 1g 5g  5-(Trifluoromethyl)uracil CAS RN: 54-20-6	<b>C0969</b> 5g 25g  5-Chlorouracil CAS RN: 1820-81-1	<b>M0204</b> 100mg 1g 5g  5-Methylcytosine Hydrochloride CAS RN: 58366-64-6	<b>T0234</b> 5g 25g 100g  Thymine CAS RN: 65-71-4
<b>M0994</b> 10g 25g  5-Methyl-2-thiouracil CAS RN: 636-26-0	<b>F0151</b> 5g 25g  5-Flourouracil CAS RN: 51-21-8	<b>F0321</b> 1g 5g 25g  5-Fluorocytosine CAS RN: 2022-85-7	<b>A0898</b> 5g 25g  5-Aminouracil CAS RN: 932-52-5	<b>I0219</b> 5g 25g  5-Iodouracil CAS RN: 696-07-1
<b>N0281</b> 5g 25g  5-Nitouracil CAS RN: 611-08-5	<b>E0807</b> 1g 5g  5-Ethyluracil CAS RN: 4212-49-1	<b>E1096</b> 200mg 1g  5-Ethynyluracil CAS RN: 59989-18-3	<b>A2670</b> 1g 5g  5-Acetyluracil CAS RN: 6214-65-9	<b>C2093</b> 5g 25g  6-Chlorouracil CAS RN: 4270-27-3
<b>M0454</b> 25g  6-Methyluracil CAS RN: 626-48-2	<b>M0443</b> 25g 500g  6-Methyl-2-thiouracil CAS RN: 56-04-2	<b>A0658</b> 25g 250g  6-Aminouracil CAS RN: 873-83-6	<b>C1057</b> 5g 25g  6-Chloromethyluracil CAS RN: 18592-13-7	<b>A2449</b> 5g  6-Amino-1-methyluracil CAS RN: 2434-53-9
<b>P0533</b> 25g  6-Propyl-2-thiouracil CAS RN: 51-52-5	<b>O0065</b> 25g 100g 500g  Orotic Acid Monohydrate CAS RN: 50887-69-9	<b>P0236</b> 1g 5g  6-Phenyl-2-thiouracil CAS RN: 36822-11-4	<b>C2300</b> 5g 25g  6-Chloro-3-methyluracil CAS RN: 4318-56-3	<b>M2506</b> 1g 5g  6-Methyl-5-nitouracil CAS RN: 16632-21-6
<b>D1136</b> 1g 5g  5,6-Dimethyluracil CAS RN: 26305-13-5	<b>F0382</b> 100mg 1g  5-Fluoroorotic Acid Monohydrate CAS RN: 220141-70-8	<b>A0947</b> 25g  5-Aminoorotic Acid CAS RN: 7164-43-4	<b>プリン塩基</b>	
				<b>C2470</b> 200mg 1g  4-Chloro-1H-pyrrolo[2,3-b]pyridine CAS RN: 55052-28-3

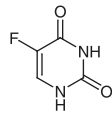
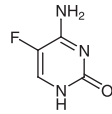
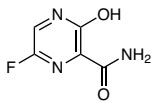
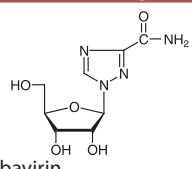
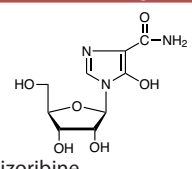
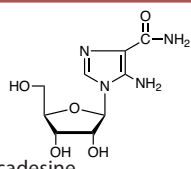
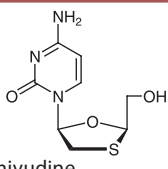
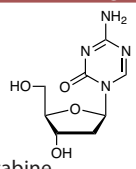
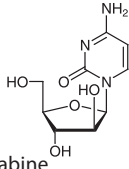
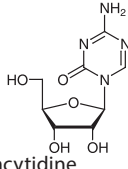
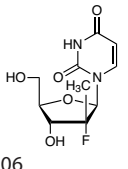
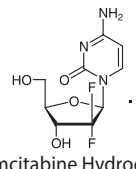
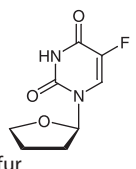
<p><b>D4324</b> 1g</p>  <p>7-Deazahypoxanthine CAS RN: 3680-71-5</p>	<p><b>C2306</b> 1g 5g</p>  <p>6-Chloro-7-deazapurine CAS RN: 3680-69-1</p>	<p><b>A0907</b> 25g</p>  <p>Allopurinol CAS RN: 315-30-0</p>	<p><b>A1041</b> 100mg 1g 5g</p>  <p>4-Aminopyrazolo[3,4-d]pyrimidine CAS RN: 2380-63-4</p>	<p><b>C0278</b> 5g 25g</p>  <p>6-Chloropurine CAS RN: 87-42-3</p>
<p><b>H0311</b> 5g 25g</p>  <p>Hypoxanthine CAS RN: 68-94-0</p>	<p><b>A0149</b> 25g 250g</p>  <p>Adenine CAS RN: 73-24-5</p>	<p><b>M1925</b> 1g 5g</p>  <p>6-Methoxypurine CAS RN: 1074-89-1</p>	<p><b>M0063</b> 1g 5g</p>  <p>6-Mercaptopurine Monohydrate CAS RN: 6112-76-1</p>	<p><b>A0150</b> 5g 25g</p>  <p>Adenine Hydrochloride Hemihydrate CAS RN: 2922-28-3</p>
<p><b>A0151</b> 25g 100g</p>  <p>Adenine Sulfate Dihydrate CAS RN: 6509-19-9</p>	<p><b>D3894</b> 1g 5g</p>  <p>6-(Dimethylamino)purine CAS RN: 938-55-6</p>	<p><b>B3355</b> 5g 25g</p>  <p>6-Benzyloxypurine CAS RN: 57500-07-9</p>	<p><b>B1088</b> 5g 25g</p>  <p>N<sup>6</sup>-Benzyladenine CAS RN: 1214-39-7</p>	<p><b>K0009</b> 1g 5g</p>  <p>Kinetin CAS RN: 525-79-1</p>
<p><b>B3344</b> 5g 25g</p>  <p>N<sup>6</sup>-Benzoyladenine CAS RN: 4005-49-6</p>	<p><b>A0555</b> 1g</p>  <p>8-Azahypoxanthine CAS RN: 2683-90-1</p>	<p><b>A2069</b> 5g 25g</p>  <p>Azathioprine CAS RN: 446-86-6</p>	<p><b>A1111</b> 200mg 1g</p>  <p>2-Aminopurine CAS RN: 452-06-2</p>	<p><b>M2518</b> 200mg 1g</p>  <p>3-Methyladenine CAS RN: 5142-23-4</p>
<p><b>H1290</b> 5g 25g</p>  <p>9-(2-Hydroxyethyl)adenine CAS RN: 707-99-3</p>	<p><b>C3130</b> 1g 5g</p>  <p>6-Chloro-7-iodo-7-deazapurine CAS RN: 123148-78-7</p>	<p><b>I0941</b> 1g 5g</p>  <p>3-Iodo-1H-pyrazolo- [3,4-d]pyrimidin-4-amine CAS RN: 151266-23-8</p>	<p><b>D4284</b> 1g 5g</p>  <p>2,6-Dichloro-7-deazapurine CAS RN: 90213-66-4</p>	<p><b>A2699</b> 100mg</p>  <p>AHPP CAS RN: 5472-41-3</p>
<p><b>I0370</b> 100mg</p>  <p>Isoguanine CAS RN: 3373-53-3</p>	<p><b>F0647</b> 200mg 1g</p>  <p>2-Fluoroadenine CAS RN: 700-49-2</p>	<p><b>G0169</b> 1g 25g 250g</p>  <p>Guanine CAS RN: 73-40-5</p>	<p><b>T0212</b> 1g 5g</p>  <p>6-Thioguanine CAS RN: 154-42-7</p>	<p><b>T0225</b> 1g 5g</p>  <p>2-Thioxanthine CAS RN: 2487-40-3</p>
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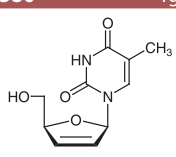
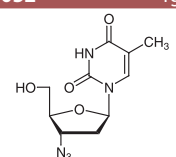
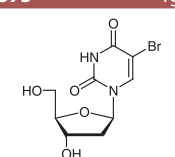
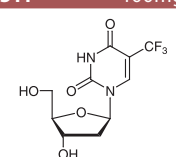
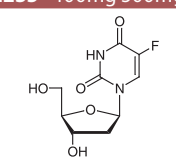
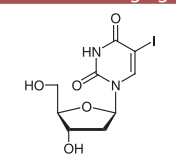
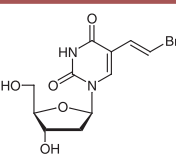
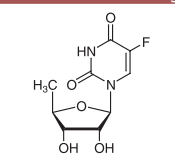
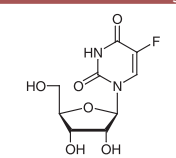
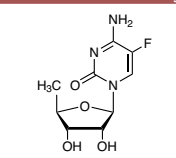
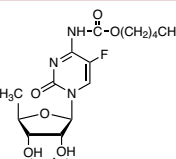
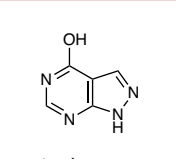
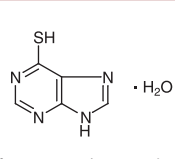
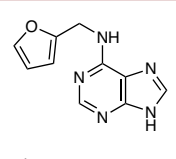
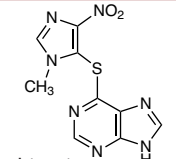
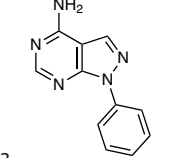
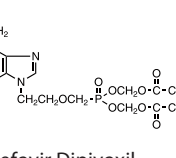
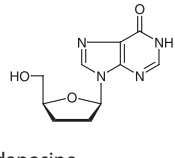
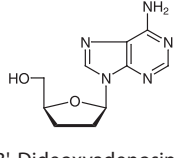
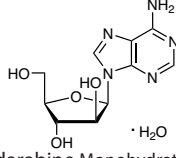
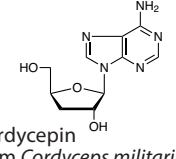
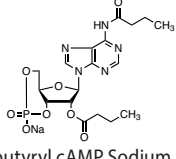
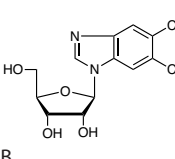
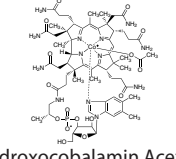
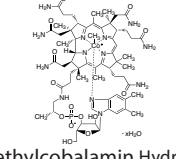
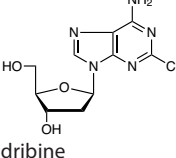
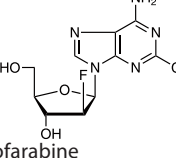
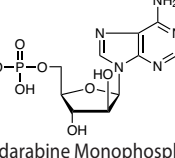
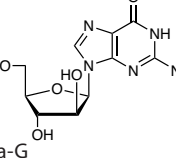
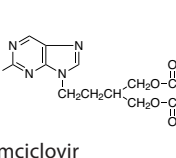
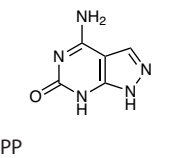
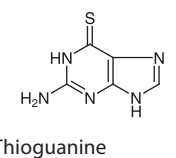
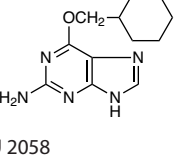
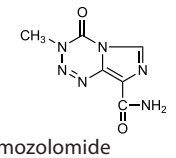
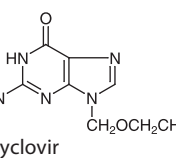
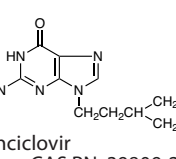
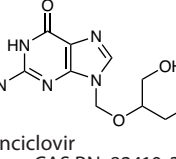
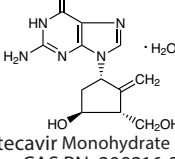
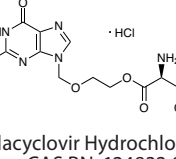
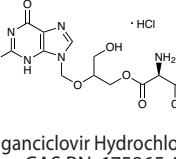


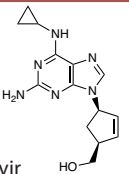
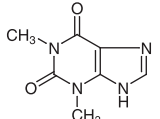
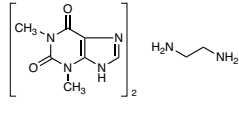
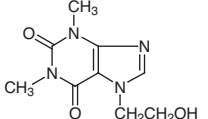
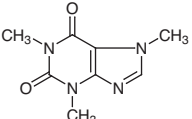
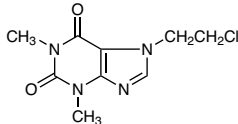
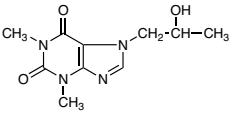
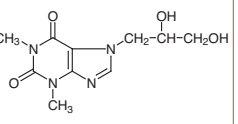
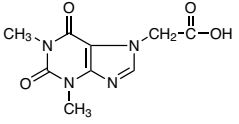
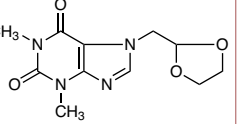
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<p><b>A2805</b> 25g 100g</p>  <p>Aminophylline CAS RN: 317-34-0</p>	<p><b>B4134</b> 1g</p>  <p>8-Bromo-3-methylxanthine CAS RN: 93703-24-3</p>	<p><b>B4454</b> 200mg 1g</p>  <p>8-Bromo-7-(2-butyn-1-yl)-3-methylxanthine CAS RN: 666816-98-4</p>	<p><b>B3456</b> 1g 5g</p>  <p>8-Bromotheophylline CAS RN: 10381-75-6</p>	<p><b>C0293</b> 25g 250g</p>  <p>8-Chlorotheophylline CAS RN: 85-18-7</p>
<p><b>D5146</b> 1g 5g</p>  <p>5,6-Dichlorobenzimidazol CAS RN: 6478-73-5</p>	<p><b>X0007</b> 1g 5g</p>  <p>Xanthopterin Hydrate CAS RN: 5979-01-1</p>			

●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。

<p><b>薬理活性ヌクレオシド・核酸塩基 (試験研究用)</b></p>		<p><b>F0151</b> 5g 25g</p>  <p>5-Fluorouracil CAS RN: 51-21-8</p>	<p><b>F0321</b> 1g 5g 25g</p>  <p>5-Fluorocytosine CAS RN: 2022-85-7</p>	<p><b>F1296</b> 25mg 100mg</p>  <p>Favipiravir CAS RN: 259793-96-9</p>
<p><b>R0077</b> 100mg 500mg</p>  <p>Ribavirin CAS RN: 36791-04-5</p>	<p><b>M2399</b> 50mg 250mg</p>  <p>Mizoribine CAS RN: 50924-49-7</p>	<p><b>A2528</b> 50mg</p>  <p>Acadesine CAS RN: 2627-69-2</p>	<p><b>L0217</b> 100mg 1g</p>  <p>Lamivudine CAS RN: 134678-17-4</p>	<p><b>A2232</b> 20mg 100mg</p>  <p>Decitabine CAS RN: 2353-33-5</p>
<p><b>C2035</b> 1g 5g</p>  <p>Cytarabine CAS RN: 147-94-4</p>	<p><b>A2033</b> 100mg 1g</p>  <p>5-Azacytidine CAS RN: 320-67-2</p>	<p><b>D4823</b> 200mg 1g</p>  <p>PSI-6206 CAS RN: 863329-66-2</p>	<p><b>G0367</b> 100mg 1g</p>  <p>Gemcitabine Hydrochloride CAS RN: 122111-03-9</p>	<p><b>F0635</b> 5g 25g</p>  <p>Tegafur CAS RN: 17902-23-7</p>

<p><b>D3580</b> 1g 5g</p>  <p>Stavudine CAS RN: 3056-17-5</p>	<p><b>A2052</b> 1g 5g</p>  <p>Azidothymidine CAS RN: 30516-87-1</p>	<p><b>B1575</b> 1g 5g</p>  <p>5-Bromo-2'-deoxyuridine CAS RN: 59-14-3</p>	<p><b>T2511</b> 100mg 1g</p>  <p>Trifluorothymidine CAS RN: 70-00-8</p>	<p><b>D2235</b> 100mg 500mg 1g</p>  <p>2'-Deoxy-5-fluorouridine CAS RN: 50-91-9</p>
<p><b>I0258</b> 1g 5g 25g</p>  <p>Idoxuridine CAS RN: 54-42-2</p>	<p><b>B3404</b> 100mg</p>  <p>Brivudine CAS RN: 69304-47-8</p>	<p><b>D3579</b> 1g 5g</p>  <p>Doxifluridine CAS RN: 3094-09-5</p>	<p><b>F0636</b> 1g 5g</p>  <p>5-Fluorouridine CAS RN: 316-46-1</p>	<p><b>D4342</b> 1g 5g</p>  <p>5'-Deoxy-5-fluorocytidine CAS RN: 66335-38-4</p>
<p><b>C2878</b> 1g 5g</p>  <p>Capecitabine CAS RN: 154361-50-9</p>	<p><b>A0907</b> 25g</p>  <p>Allopurinol CAS RN: 315-30-0</p>	<p><b>M0063</b> 1g 5g</p>  <p>6-Mercaptopurine Monohydrate CAS RN: 6112-76-1</p>	<p><b>K0009</b> 1g 5g</p>  <p>Kinetin CAS RN: 525-79-1</p>	<p><b>A2069</b> 5g 25g</p>  <p>Azathioprine CAS RN: 446-86-6</p>
<p><b>A2737</b> 200mg 1g</p>  <p>PP 3 CAS RN: 5334-30-5</p>	<p><b>A2414</b> 100mg 1g</p>  <p>Adefovir Dipivoxil CAS RN: 142340-99-6</p>	<p><b>D3066</b> 100mg 500mg</p>  <p>Didanosine CAS RN: 69655-05-6</p>	<p><b>D3065</b> 100mg</p>  <p>2',3'-Dideoxyadenosine CAS RN: 4097-22-7</p>	<p><b>V0098</b> 1g 5g</p>  <p>Vidarabine Monohydrate CAS RN: 24356-66-9</p>
<p><b>C2689</b> 25mg</p>  <p>Cordycepin from <i>Cordyceps militaris</i> CAS RN: 73-03-0</p>	<p><b>D4228</b> 25mg</p>  <p>Dibutyryl cAMP Sodium Salt CAS RN: 16980-89-5</p>	<p><b>D4292</b> 100mg 1g</p>  <p>DRB CAS RN: 53-85-0</p>	<p><b>H1542</b> 1g 5g</p>  <p>Hydroxocobalamin Acetate CAS RN: 22465-48-1</p>	<p><b>M2742</b> 1g</p>  <p>Methylcobalamin Hydrate CAS RN: 288315-09-3</p>
<p><b>C2499</b> 50mg</p>  <p>Cladribine CAS RN: 4291-63-8</p>	<p><b>C2500</b> 20mg 100mg</p>  <p>Clofarabine CAS RN: 123318-82-1</p>	<p><b>F0913</b> 25mg 100mg</p>  <p>Fludarabine Monophosphate CAS RN: 75607-67-9</p>	<p><b>A2739</b> 10mg 50mg</p>  <p>Ara-G CAS RN: 38819-10-2</p>	<p><b>F0842</b> 500mg</p>  <p>Famciclovir CAS RN: 104227-87-4</p>
<p><b>A2699</b> 100mg</p>  <p>AHPP CAS RN: 5472-41-3</p>	<p><b>T0212</b> 1g 5g</p>  <p>6-Thioguanine CAS RN: 154-42-7</p>	<p><b>N0958</b> 20mg 100mg</p>  <p>NU 2058 CAS RN: 161058-83-9</p>	<p><b>T2744</b> 500mg 5g</p>  <p>Temozolomide CAS RN: 85622-93-1</p>	<p><b>A1915</b> 1g 5g 25g</p>  <p>Acyclovir CAS RN: 59277-89-3</p>
<p><b>P2164</b> 200mg 1g</p>  <p>Penciclovir CAS RN: 39809-25-1</p>	<p><b>G0315</b> 5g 25g</p>  <p>Ganciclovir CAS RN: 82410-32-0</p>	<p><b>E0899</b> 50mg 200mg</p>  <p>Entecavir Monohydrate CAS RN: 209216-23-9</p>	<p><b>V0111</b> 100mg 1g</p>  <p>Valacyclovir Hydrochloride CAS RN: 124832-27-5</p>	<p><b>V0158</b> 250mg 1g</p>  <p>Valganciclovir Hydrochloride CAS RN: 175865-59-5</p>

<b>A2694</b> 1g 5g  Abacavir CAS RN: 136470-78-5	<b>T0179</b> 25g 100g 500g  Theophylline CAS RN: 58-55-9	<b>A2805</b> 25g 100g  Aminophylline CAS RN: 317-34-0	<b>H0402</b> 25g 500g  Etofilline CAS RN: 519-37-9	<b>C2042</b> 25g 500g  Caffeine CAS RN: 58-08-2
<b>C2748</b> 5g 25g  7-(2-Chloroethyl)theophylline CAS RN: 5878-61-5	<b>H1430</b> 5g 25g  Proxyphylline CAS RN: 603-00-9	<b>D3600</b> 25g  Diprophylline CAS RN: 479-18-5	<b>T2941</b> 25g  Theophylline-7-acetic Acid CAS RN: 652-37-9	<b>D4302</b> 1g 25g  Doxofylline CAS RN: 69975-86-6

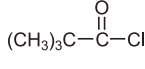
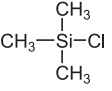
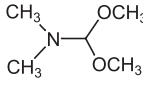
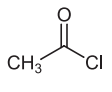
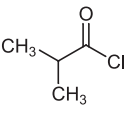
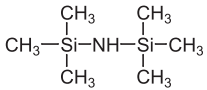
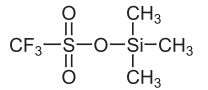
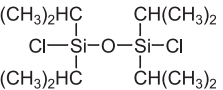
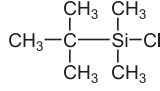
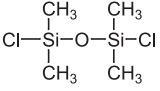
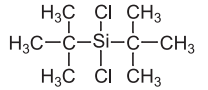
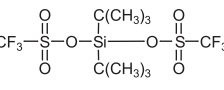
### ●核酸合成試薬

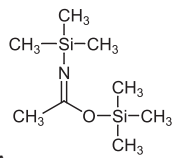
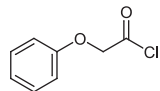
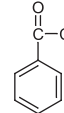
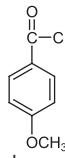
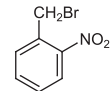
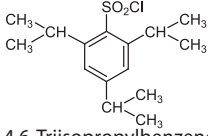
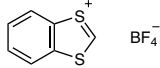
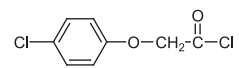
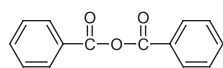
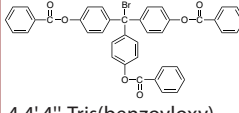
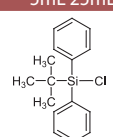
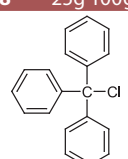
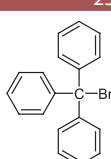
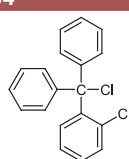
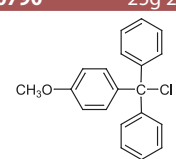
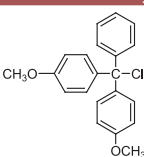
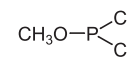
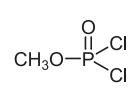
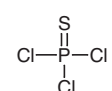
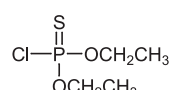
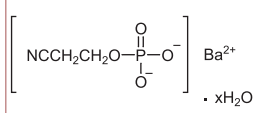
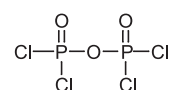
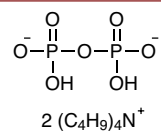
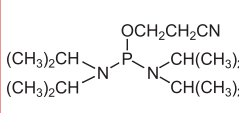
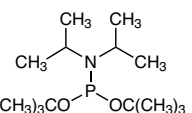


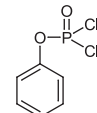
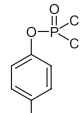
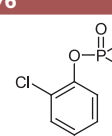
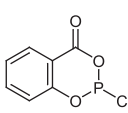
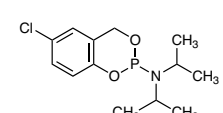
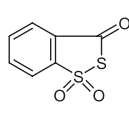
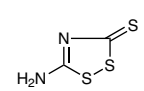
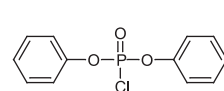
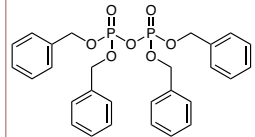
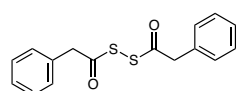
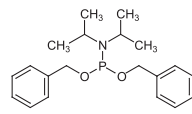
不溶性の核酸塩基をトリメチルシリル化により有機溶媒に可溶性脂溶性化合物に変えることにより、均一系化学反応が可能となります。Vorbrüggenらの改良Hilbert-Johnson反応により、このトリメチルシリル化塩基と糖保護体からヌクレオシドが合成されています。リン酸化剤、ホスホロチオエート剤、縮合剤、ヒドロキシ基保護剤、アミノ基保護剤はDNAやRNAの合成戦略を立てる上で重要な試剤、保護剤です。これらの試剤、保護剤を巧みに組み合わせた種々の合成法が開発されています。例えば、KhoranaらのDCC法、Letsingerらのリン酸トリエステル法、ホスファイト法、Caruthersらのアミダイ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

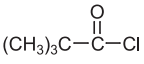

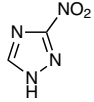

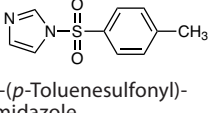
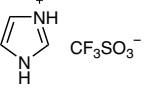
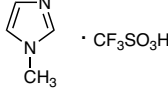
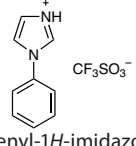
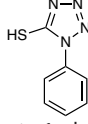
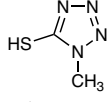
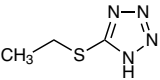
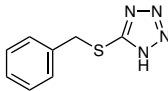
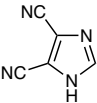
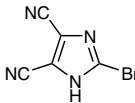
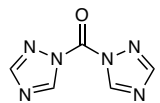
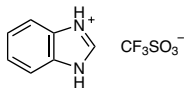
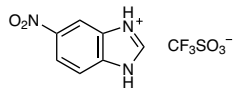
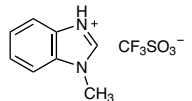
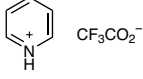

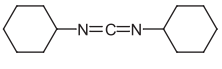
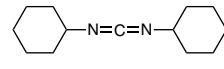
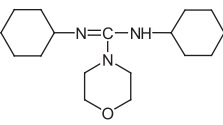
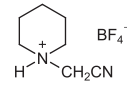
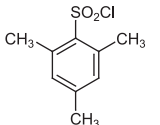
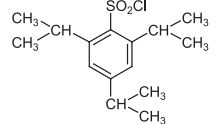
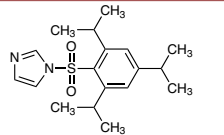
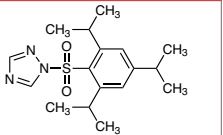
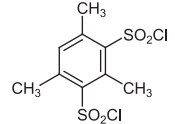
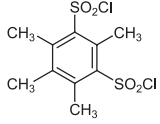
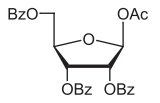
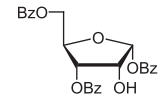
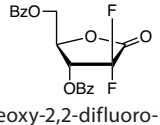
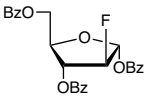
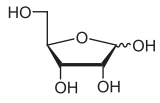
ノエチル*N,N,N',N'*-テトライソプロピルホスホロジアミダイト[C2228]がその取り扱いの容易さや安全性から汎用されています<sup>1-3)</sup>。また、1,2,4-トリアゾール[T0340]と1*H*-テトラゾール[T1017]は、ウリジンからシチジンへの化学変換にも用いられています。化学合成DNAはPCR法のプライマー、アンチセンス分子として、あるいはDNAコンピュータの素子として、その重要性が益々高まっています。

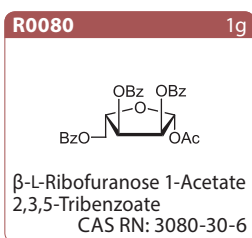
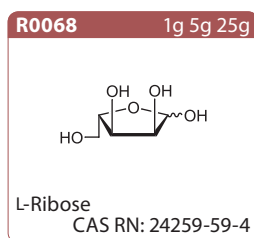
## 核酸合成試薬

## 水酸基& アミノ基 保護剤

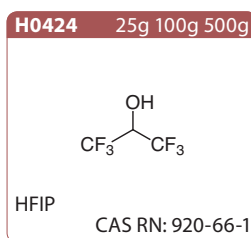
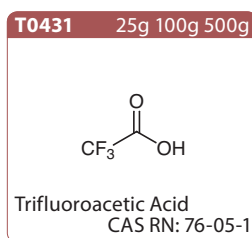
<b>P0677</b> 25mL 500mL  Pivaloyl Chloride CAS RN: 3282-30-2	<b>C0306</b> 25mL 100mL 500mL  Chlorotrimethylsilane CAS RN: 75-77-4	<b>D1293</b> 25mL 100mL 500mL  <i>N,N</i> -Dimethylformamide Dimethyl Acetal CAS RN: 4637-24-5	<b>A0082</b> 100g 500g  Acetyl Chloride CAS RN: 75-36-5	<b>I0115</b> 25g 100g 500g  Isobutyryl Chloride CAS RN: 79-30-1
<b>H0089</b> 25mL 100mL 500mL  HMDS CAS RN: 999-97-3	<b>T0871</b> 5g 25g 250g  Trimethylsilyl Trifluoromethanesulfonate CAS RN: 27607-77-8	<b>D1608</b> 5g 25g  1,3-Dichloro-1,1,3,3- tetraisopropylidisiloxane CAS RN: 69304-37-6	<b>B0995</b> 5g 25g 100g  TBSCl CAS RN: 18162-48-6	<b>D2334</b> 5g 25g  1,3-Dichloro-1,1,3,3- tetramethylidisiloxane CAS RN: 2401-73-2
<b>D2469</b> 5g  Di- <i>tert</i> -butylchlorosilane CAS RN: 18395-90-9	<b>D3135</b> 1g 5g  Di- <i>tert</i> -butylsilyl Bis(trifluoromethanesulfonate) CAS RN: 85272-31-7			

<p><b>B0511</b> 10mL 100mL</p>  <p>BSA CAS RN: 10416-59-8</p>	<p><b>P0113</b> 25g 500g</p>  <p>Phenoxyacetyl Chloride CAS RN: 701-99-5</p>	<p><b>B0105</b> 25mL 500mL</p>  <p>Benzoyl Chloride CAS RN: 98-88-4</p>	<p><b>M0721</b> 25g 100g 500g</p>  <p>4-Methoxybenzoyl Chloride CAS RN: 100-07-2</p>	<p><b>N0404</b> 5g 25g</p>  <p>2-Nitrobenzyl Bromide CAS RN: 3958-60-9</p>	
<p><b>T0459</b> 25g 500g</p>  <p>2,4,6-Triisopropylbenzenesulfonyl Chloride CAS RN: 6553-96-4</p>	<p><b>B1151</b> 5g</p>  <p>1,3-Benzodithiolium Tetrafluoroborate CAS RN: 57842-27-0</p>	<p><b>C0832</b> 25g 100g 500g</p>  <p>4-Chlorophenoxyacetyl Chloride CAS RN: 4122-68-3</p>	<p><b>B0078</b> 25g 100g 500g</p>  <p>Benzoic Anhydride CAS RN: 93-97-0</p>	<p><b>T1071</b> 5g 25g</p>  <p>4,4',4''-Tris(benzyloxy)trityl Bromide CAS RN: 86610-66-4</p>	
<p><b>B1223</b> 5mL 25mL 100mL</p>  <p>tert-Butyldiphenylchlorosilane CAS RN: 58479-61-1</p>	<p><b>C0308</b> 25g 100g 500g</p>  <p>Trityl Chloride CAS RN: 76-83-5</p>	<p><b>T0512</b> 25g 100g</p>  <p>Trityl Bromide CAS RN: 596-43-0</p>	<p><b>D2504</b> 25g</p>  <p>2-Chlorotrityl Chloride CAS RN: 42074-68-0</p>	<p><b>M0790</b> 25g 250g</p>  <p>4-Methoxytrityl Chloride CAS RN: 14470-28-1</p>	
<p><b>D1612</b> 5g 25g</p>  <p>4,4'-Dimethoxytrityl Chloride CAS RN: 40615-36-9</p>	<p><b>リン酸化剤&amp; ホスホロ チオエート化剤</b></p>		<p><b>M0905</b> 10g</p>  <p>Methyl Dichlorophosphate CAS RN: 3279-26-3</p>	<p><b>M0904</b> 5g 25g 100g</p>  <p>Methyl Phosphorodichloridate CAS RN: 677-24-7</p>	<p><b>T1895</b> 25g</p>  <p>Thiophosphoryl Chloride CAS RN: 3982-91-0</p>
<p><b>D0624</b> 25g 500g</p>  <p>Diethyl Chlorothiophosphate CAS RN: 2524-04-1</p>	<p><b>C0978</b> 5g 25g</p>  <p>Barium 2-Cyanoethylphosphate Hydrate CAS RN: 207121-42-4</p>	<p><b>D2883</b> 25g</p>  <p>Diphosphoryl Chloride CAS RN: 13498-14-1</p>	<p><b>B5440</b> 200mg 1g</p>  <p>Bis(tetrabutylammonium) Dihydrogen Pyrophosphate CAS RN: 857447-79-1</p>	<p><b>C2228</b> 1g 5g</p>  <p>2-Cyanoethyl N,N,N',N'-Tetraisopropylphosphordiamidite CAS RN: 102691-36-1</p>	
<p><b>D4211</b> 1g 5g</p>  <p>Di-tert-butyl N,N-Diisopropylphosphoramidite CAS RN: 137348-86-8</p>	<p><b>C1215</b> 5g 25g</p>  <p>2-Chloro-1,3,2-dioxaphospholane CAS RN: 822-39-9</p>	<p><b>C1250</b> 5g 25g</p>  <p>2-Chloro-2-oxo-1,3,2-dioxaphospholane CAS RN: 6609-64-9</p>	<p><b>P0209</b> 25g 500g</p>  <p>Phenyl Dichlorophosphate CAS RN: 770-12-7</p>	<p><b>C0977</b> 5g 25g</p>  <p>4-Chlorophenyl Phosphorodichloridate CAS RN: 772-79-2</p>	
<p><b>C0976</b> 5g</p>  <p>2-Chlorophenyl Phosphorodichloridate CAS RN: 15074-54-1</p>	<p><b>C1210</b> 5g 25g</p>  <p>2-Chloro-4H-1,3,2-benzodioxaphosphorin-4-one CAS RN: 5381-99-7</p>	<p><b>C3326</b> 200mg 1g</p>  <p>5-Chlorosaligenyl-N,N-diisopropylphosphoramidite CAS RN: 1620086-77-2</p>	<p><b>B3125</b> 1g 5g</p>  <p>Beaucage Reagent CAS RN: 66304-01-6</p>	<p><b>X0001</b> 25g 100g 500g</p>  <p>Xanthane Hydride CAS RN: 6846-35-1</p>	
<p><b>D1059</b> 25g 100g 500g</p>  <p>Diphenyl Chlorophosphate CAS RN: 2524-64-3</p>	<p><b>P1223</b> 1g</p>  <p>Tetrabenzyl Pyrophosphate CAS RN: 990-91-0</p>	<p><b>B3623</b> 5g 25g</p>  <p>Bis(phenylacetyl) Disulfide CAS RN: 15088-78-5</p>	<p><b>D2624</b> 5g</p>  <p>Dibenzyl N,N-Diisopropylphosphoramidite CAS RN: 108549-23-1</p>	<p><b>縮合剤</b></p>	

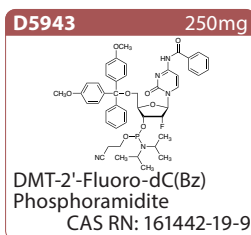
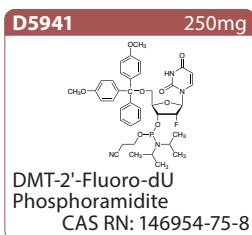
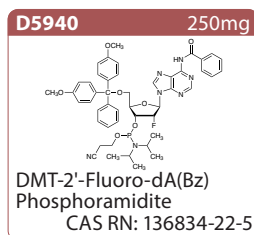
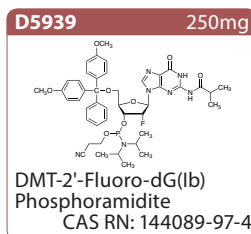
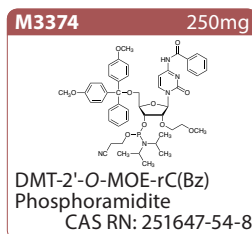
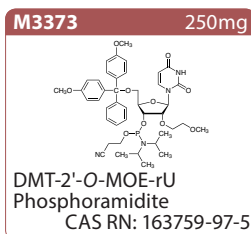
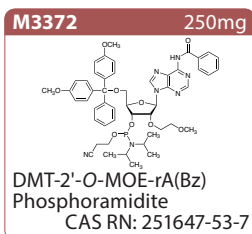
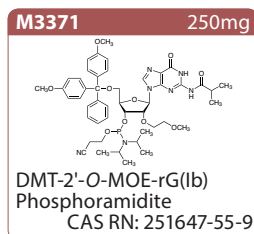
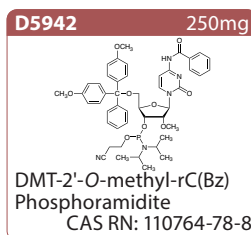
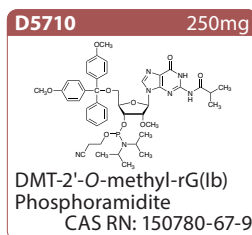
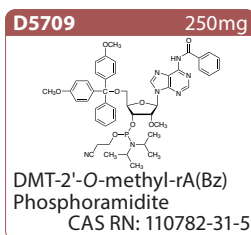
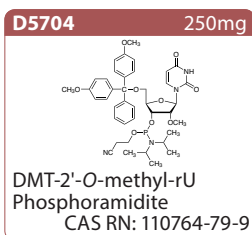
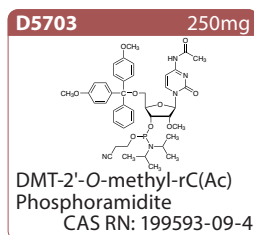
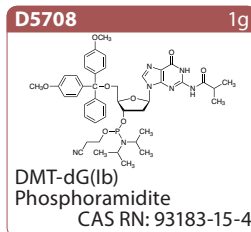
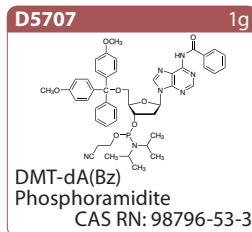
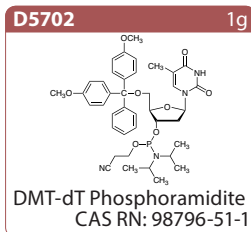
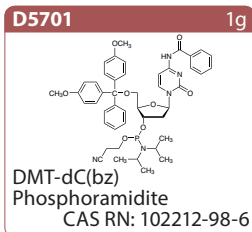
<p><b>P0677</b> 25mL 500mL</p>  <p>Pivaloyl Chloride CAS RN: 3282-30-2</p>	<p><b>T0340</b> 25g 100g 500g</p>  <p>1,2,4-Triazole CAS RN: 288-88-0</p>	<p><b>N0477</b> 1g 5g</p>  <p>3-Nitro-1,2,4-triazole CAS RN: 24807-55-4</p>	<p><b>T1017</b> 5g 25g</p>  <p>1H-Tetrazole CAS RN: 288-94-8</p>	<p><b>T1985</b> 5g 25g</p>  <p>1-(p-Toluenesulfonyl)-imidazole CAS RN: 2232-08-8</p>
<p><b>I1157</b> 1g 10g</p>  <p>Imidazolium Triflate CAS RN: 29727-06-8</p>	<p><b>M3214</b> 5g 25g</p>  <p>1-Methylimidazole Triflate CAS RN: 99257-94-0</p>	<p><b>P2822</b> 5g 25g</p>  <p>1-Phenyl-1H-imidazol-3-ium Triflate CAS RN: 361447-81-6</p>	<p><b>P0640</b> 25g 100g 500g</p>  <p>5-Mercapto-1-phenyl-1H-tetrazole CAS RN: 86-93-1</p>	<p><b>M1081</b> 25g 500g</p>  <p>5-Mercapto-1-methyltetrazole CAS RN: 13183-79-4</p>
<p><b>E0670</b> 1g 5g</p>  <p>5-(Ethylthio)-1H-tetrazole CAS RN: 89797-68-2</p>	<p><b>B3020</b> 25g</p>  <p>5-(Benzylthio)-1H-tetrazole CAS RN: 21871-47-6</p>	<p><b>D2026</b> 25g 250g</p>  <p>4,5-Dicyanoimidazole CAS RN: 1122-28-7</p>	<p><b>B6329</b> 1g 5g</p>  <p>2-Bromo-4,5-dicyanoimidazole CAS RN: 50847-09-1</p>	<p><b>C2325</b> 5g 25g</p>  <p>1,1'-Carbonyldi(1,2,4-triazole) CAS RN: 41864-22-6</p>
<p><b>B6330</b> 1g 10g</p>  <p>Benzimidazolium Triflate CAS RN: 99257-95-1</p>	<p><b>N1214</b> 1g 10g</p>  <p>5-Nitrobenzimidazolium Triflate CAS RN: 574704-91-9</p>	<p><b>M3384</b> 5g 25g</p>  <p>N-Methylbenzimidazolium Triflate CAS RN: 361447-89-4</p>	<p><b>P2920</b> 5g 25g</p>  <p>Pyridinium Trifluoroacetate CAS RN: 464-05-1</p>	<p><b>P1637</b> 25g 100g 500g</p>  <p>Pyridine Hydrochloride CAS RN: 628-13-7</p>
<p><b>D0436</b> 25g 400g</p>  <p>DCC CAS RN: 538-75-0</p>	<p><b>D4876</b> 100g</p>  <p>DCC (Granulated) CAS RN: 538-75-0</p>	<p><b>D3792</b> 5g 25g</p>  <p>N,N'-Dicyclohexyl-4-morpholinecarboximide CAS RN: 4975-73-9</p>	<p><b>C2421</b> 5g</p>  <p>1-(Cyanomethyl)-piperidinium Tetrafluoroborate CAS RN: 434937-12-9</p>	<p><b>M0071</b> 25g 100g</p>  <p>2-Mesitylenesulfonyl Chloride CAS RN: 773-64-8</p>
<p><b>T0459</b> 25g 500g</p>  <p>2,4,6-Trisopropylbenzenesulfonyl Chloride CAS RN: 6553-96-4</p>	<p><b>T1410</b> 5g 25g</p>  <p>1-(2,4,6-Trisopropylbenzenesulfonyl)imidazole CAS RN: 50257-40-4</p>	<p><b>T2951</b> 1g 5g</p>  <p>1-(2,4,6-Trisopropylbenzenesulfonyl)-1,2,4-triazole CAS RN: 54230-60-3</p>	<p><b>M1186</b> 5g 25g</p>  <p>2,4-Mesitylenedisulfonyl Dichloride CAS RN: 68985-08-0</p>	<p><b>T1562</b> 5g</p>  <p>2,4,5,6-Tetramethylbenzenedisulfonyl Dichloride CAS RN: 97997-76-7</p>
<p><b>リボース および 2'-デオキシ リボース</b></p>				
<p><b>R0067</b> 5g 25g</p>  <p>β-D-Ribofuranose 1-Acetate 2,3,5-Tribenzoate CAS RN: 6974-32-9</p>	<p><b>T2641</b> 5g 25g</p>  <p>1,3,5-Tri-O-benzoyl-α-D-ribofuranose CAS RN: 22224-41-5</p>	<p><b>D4207</b> 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><b>D4594</b> 1g 5g</p>  <p>2-Deoxy-2-fluoro-1,3,5-tri-O-benzoyl-α-D-arabinofuranose CAS RN: 97614-43-2</p>	<p><b>R0025</b> 25g 250g</p>  <p>D-(-)-Ribose CAS RN: 50-69-1</p>



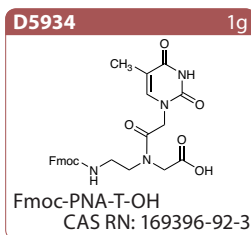
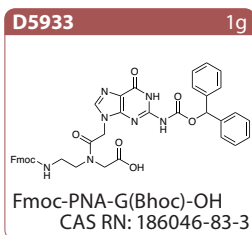
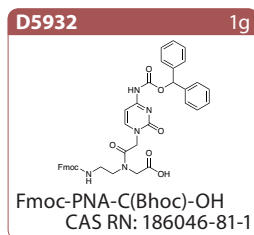
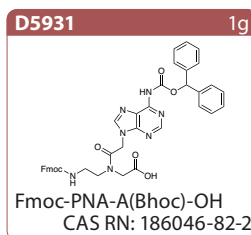
**脱保護剤**



**ヌクレオシド  
ホスホロ  
アミダイト**



**ペプチド核酸  
(PNA)  
モノマー**



## 文献

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