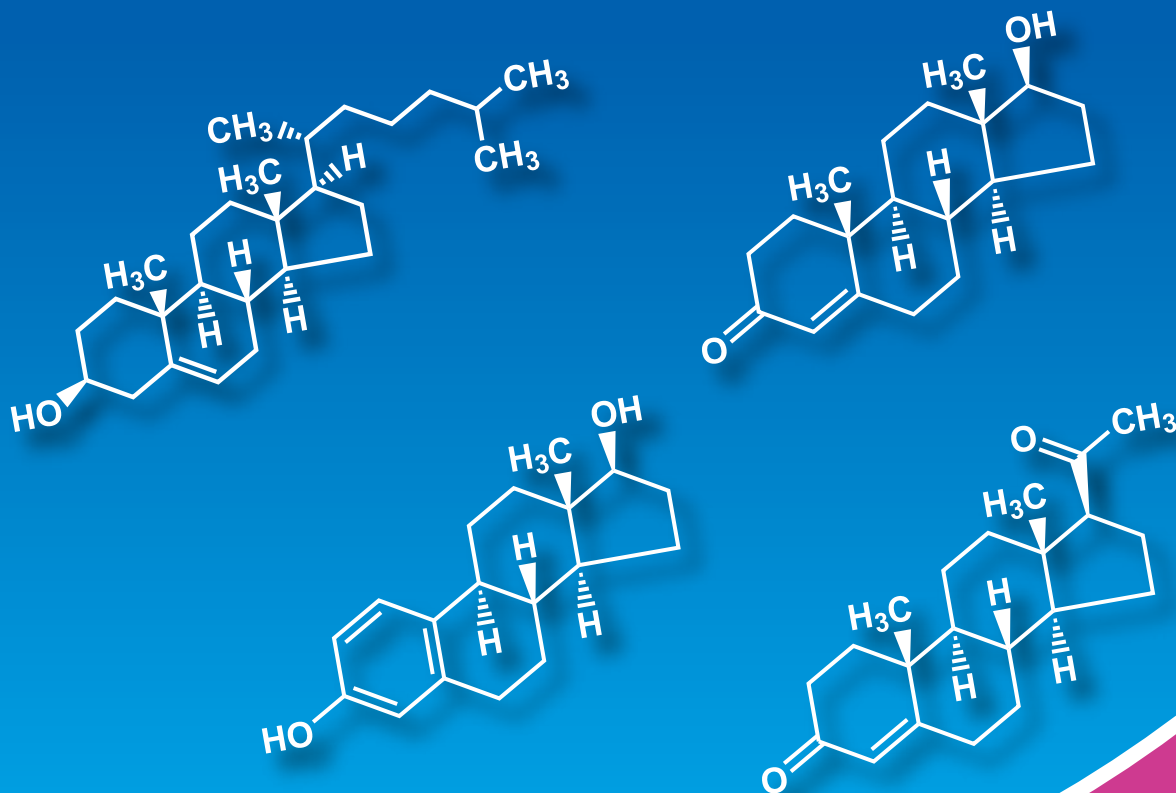


# ステロイド

Steroids



エストラン

アンドロスタン

プレグナン

コラン

コレスタン

植物ステロイド

ステロイド配糖体

# ステロイド

ステロイドはコレステロールに代表されるような、4つの環からなる基本骨格をもつ化合物の総称です。動物ではトリテルペンのラノステロールから生成され、自然界に広く存在します。テルペンと比べ4位にメチル基がない点の特徴です。本項ではステロイドを以下の5つの基本構造に分類してご紹介します。

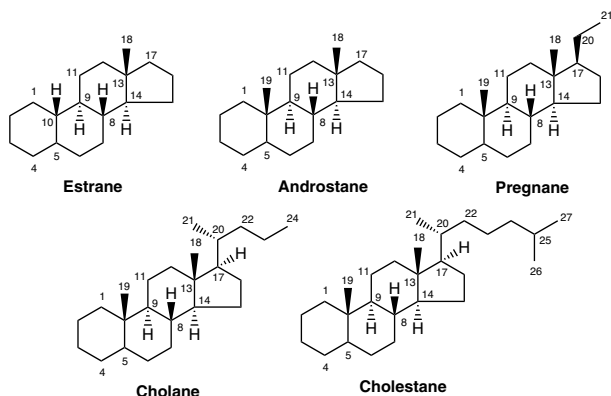


図1. 代表的なステロイド骨格

## ●ステロイドホルモン： エストラン・アンドロスタン・プレグナン骨格

ステロイドの中には生体内でホルモンとして働く化合物が知られています。その骨格はエストラン型、アンドロスタン型、プレグナン型の3つがあり、構造と機能に密接な関係があります(表1)。プレグナン型ステロイドは生理作用の面からコルチコイド(副腎皮質ホルモン)とプロゲステルゲン(黄体ホルモン)との2つに分類することができます。以下にステロイドホルモンの分類と代表的な化合物を示します。

ホルモン	別称	代表的な化合物	構造
コルチコイド	副腎皮質ホルモン	コルチゾン	プレグナン型 
プロゲステルゲン	黄体ホルモン	プロゲステロン	プレグナン型 
エストロゲン	卵胞ホルモン	エストラジオール	エストラン型
アンドロゲン	男性ホルモン	テストステロン	アンドロスタン型

表1. ステロイドホルモンの分類

自然のコルチコイド(副腎皮質ホルモン)であるコルチゾンの構造をもとに化学合成されたデキサメタゾン、プレドニゾロンは抗炎症剤として用いられています。

また、プロゲステルゲン(黄体ホルモン)であるプロゲステロンは排卵抑制作用を示し、この構造をもとに化学合成された19-ノルテストステロン誘導体は経口避妊薬成分として用いられています。

アンドロゲン(男性ホルモン)であるテストステロンは、性ホルモンとしての作用の他に、タンパク質同化作用が知られています。骨密度上昇、筋肉増強剤としてその誘導体はドーピングの規制対象になっているものがあります。エストロゲンの生合成

中間体でもあります。

エストロゲン(卵胞ホルモン)は、プロゲステルゲンに微量添加することにより排卵をほぼ完全に抑制できることから、経口避妊薬成分として用いられています。さらに、女性の骨粗鬆症、心筋梗塞、アルツハイマー病の予防に役立つと報告されています。

### <ご注意>

ステロイドホルモンには微量で大きな生理作用を示すものがあります。身体への付着、吸入を防ぐため、取り扱い際には保護衣、保護手袋、保護眼鏡をご着用ください。また、保管、輸送、廃棄に至るまで、十分な安全対策と、細心の注意のもとにお取り扱いください。

## ●胆汁酸：コラン骨格

胆汁酸の成分にはコラン骨格をもつステロイドが見出されています。代表例であるコール酸はグリシンやタウリンとアミド結合した抱合体として存在し、胆汁酸の主成分です。コール酸抱合体は両親媒性であり、小腸での脂質の消化・吸収を助けます。コール酸は界面活性剤としても用いられます。

## ●コレステロール：コレスタン骨格

コレスタン骨格をもつコレステロールは動物の細胞膜の主成分であり、膜の柔軟性を上げる役割があります。また、上記の各種ステロイドの生合成前駆体です。生体内では遊離体または高級脂肪酸とのエステルとして存在しています。

## ●植物ステロイド、ステロイド配糖体、その他のステロイド

植物由来のステロイドは動物のステロイドとは生合成経路が異なり、シクロアルテノールから生成されます。コレステロールの24位に置換基があることが特徴です。ステロイド配糖体、アグリコンもこの項に分類しました。

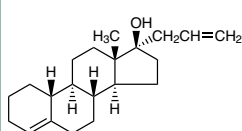
弊社で取り扱っている化学品はすべて試薬であり、試験・研究目的での使用に限られ、人体への使用はできません。

## 文献

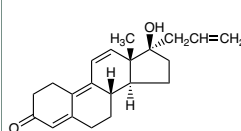
P. M. Dewick, in *Medicinal Natural Products*, 3rd ed., John Wiley & Sons, Chichester, **2009**, pp. 247-298.

## エストラン

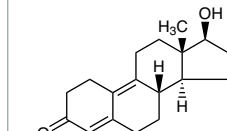
A2570 1g

Allylestrenol  
CAS RN: 432-60-0

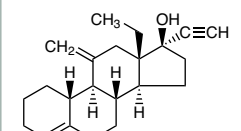
A2892 200mg 1g

Altrenogest  
CAS RN: 850-52-2

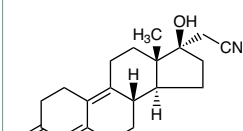
D4162 200mg 1g 5g

9(10)-Dehydronandrolone  
CAS RN: 6218-29-7

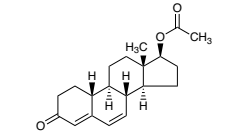
D4163 100mg

Desogestrel  
CAS RN: 54024-22-5

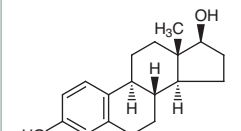
D5230 50mg 250mg

Dienogest  
CAS RN: 65928-58-7

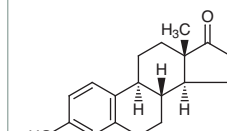
D5471 1g 5g

6-Dehydronandrolone  
Acetate  
CAS RN: 2590-41-2

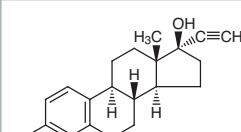
E0025 1g 5g 25g

β-Estradiol  
CAS RN: 50-28-2

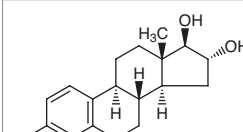
E0026 1g 5g

Estrone  
CAS RN: 53-16-7

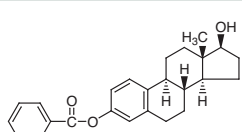
E0037 1g 5g

Ethynylestradiol  
CAS RN: 57-63-6

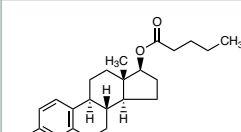
E0218 100mg 1g

Estriol  
CAS RN: 50-27-1

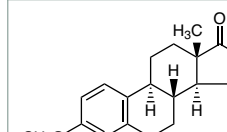
E0329 1g 5g

Estradiol Benzoate  
CAS RN: 50-50-0

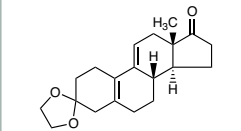
E0876 1g 5g

β-Estradiol 17-Valerate  
CAS RN: 979-32-8

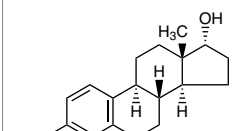
E0917 1g

Estrone 3-Methyl Ether  
CAS RN: 1624-62-0

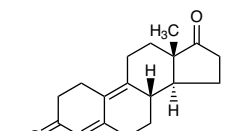
E0918 1g 5g

Estra-5(10),9(11)-diene-  
3,17-dione 3-Ethylene Ketal  
CAS RN: 5571-36-8

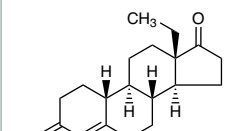
E0919 1g

α-Estradiol  
CAS RN: 57-91-0

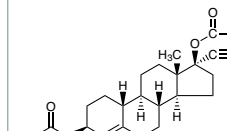
E0920 1g 5g

Estra-4,9-diene-3,17-dione  
CAS RN: 5173-46-6

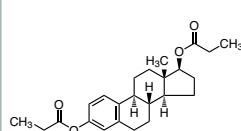
E0921 1g

Ethylgonendione  
CAS RN: 21800-83-9

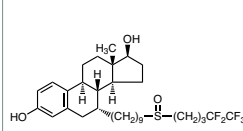
E1315 1g 5g

Ethynodiol Diacetate  
CAS RN: 297-76-7

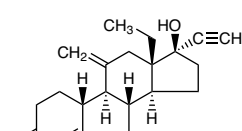
E1344 250mg 1g

Estradiol Dipropionate  
CAS RN: 113-38-2

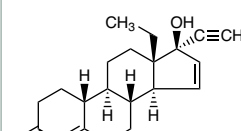
F1144 25mg 100mg

Fulvestrant  
CAS RN: 129453-61-8

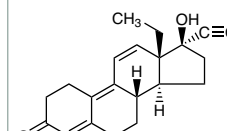
E1476 250mg

Etonogestrel  
CAS RN: 54048-10-1

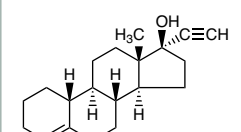
G0404 100mg 1g

Gestodene  
CAS RN: 60282-87-3

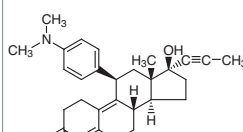
G0436 100mg

Gestrinone  
CAS RN: 16320-04-0

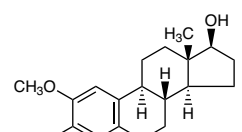
L0246 1g

Lynestrenol  
CAS RN: 52-76-6

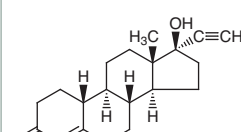
M1732 1g 5g

Mifepristone  
CAS RN: 84371-65-3

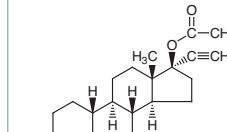
M2530 25mg 100mg

2-Methoxy-β-estradiol  
CAS RN: 362-07-2

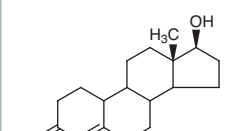
N0449 100mg 1g

Norethisterone  
CAS RN: 68-22-4

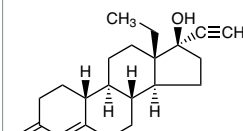
N0450 100mg 1g

Norethisterone Acetate  
CAS RN: 51-98-9

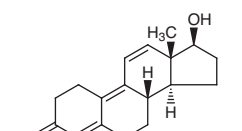
N0777 100mg

Nandrolone  
CAS RN: 434-22-0

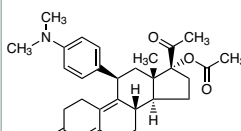
N0889 100mg 1g

(-)-Norgestrel  
CAS RN: 797-63-7

T2328 1g

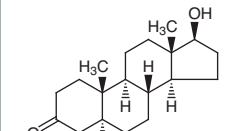
Trenbolone  
CAS RN: 10161-33-8

U0102 50mg 250mg

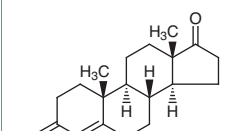
Ulipristal Acetate  
CAS RN: 126784-99-4

## アンドロスタン

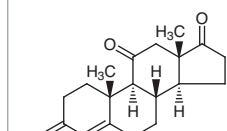
A0462 1g 10g

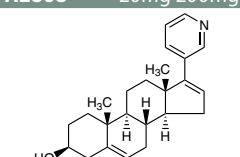
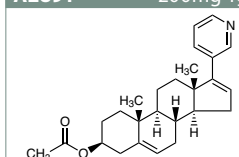
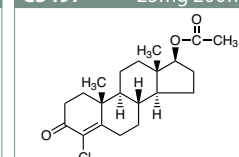
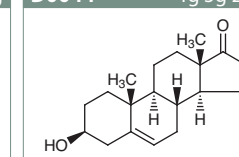
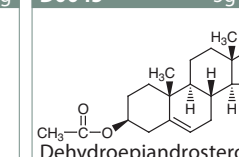
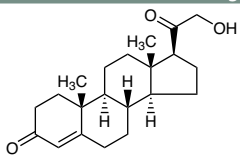
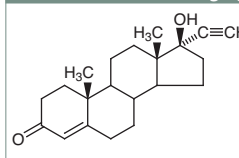
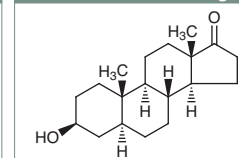
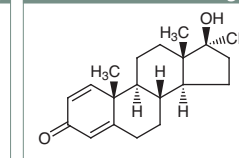
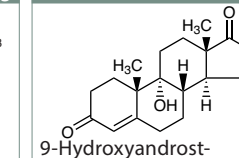
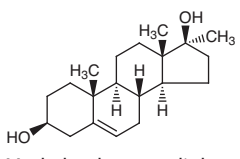
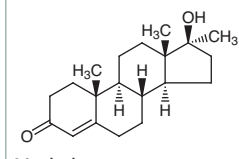
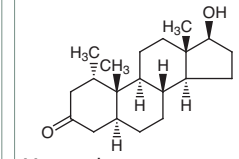
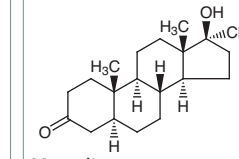
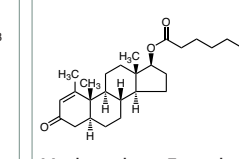
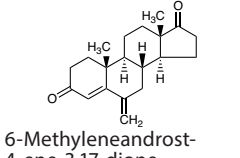
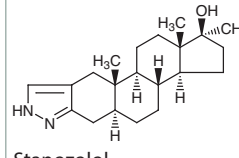
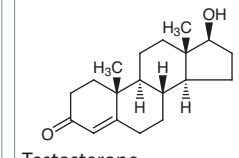
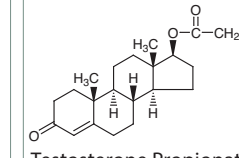
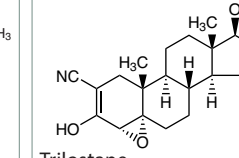
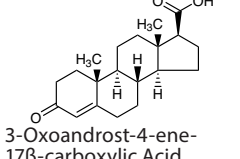
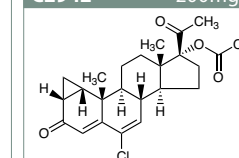
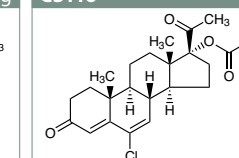
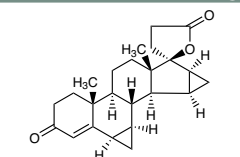
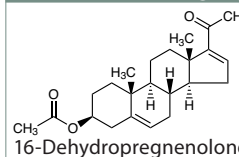
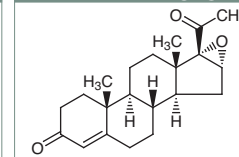
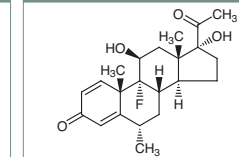
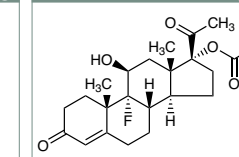
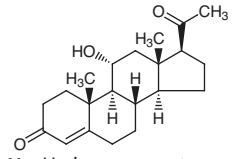
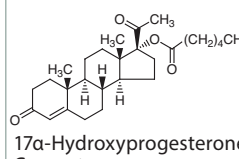
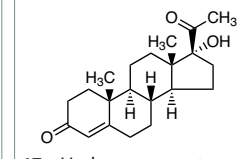
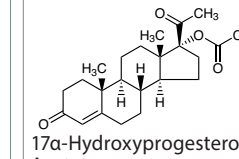
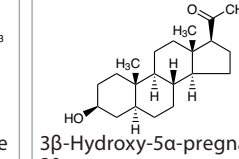
Stanolone  
CAS RN: 521-18-6

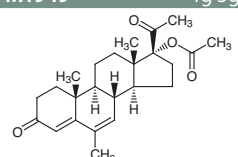
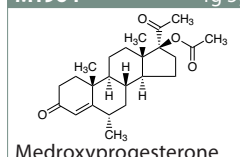
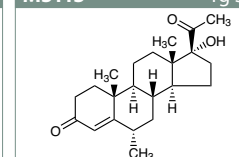
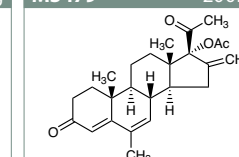
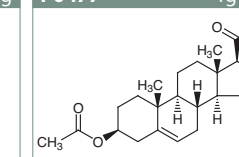
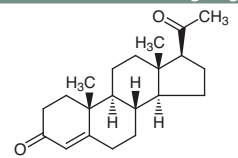
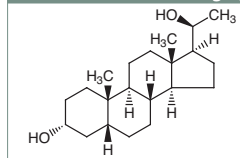
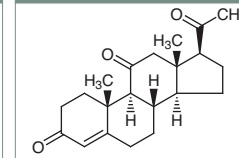
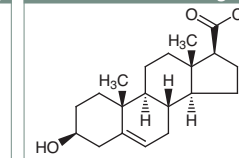
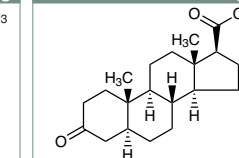
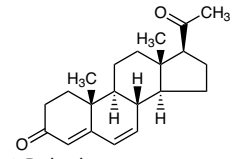
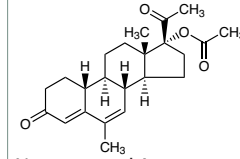
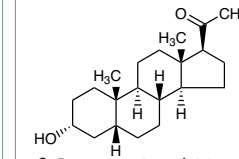
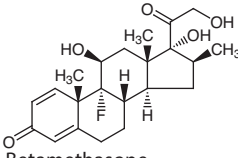
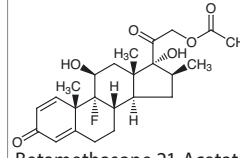
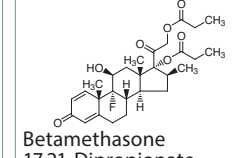
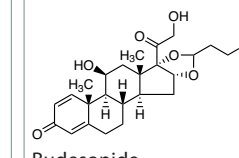
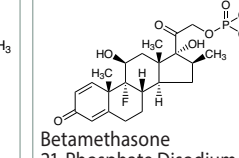
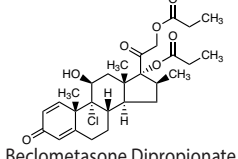
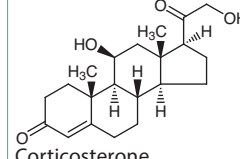
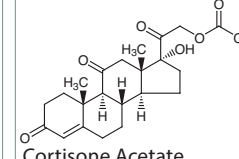
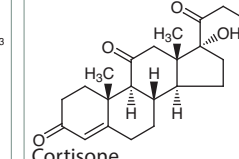
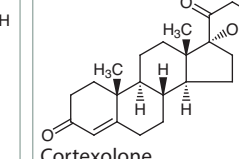
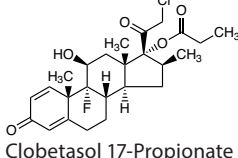
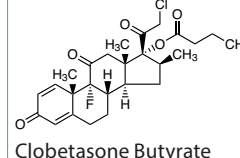
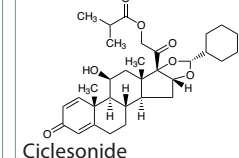
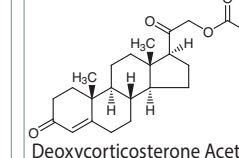
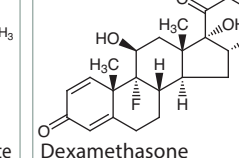
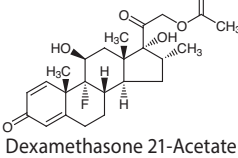
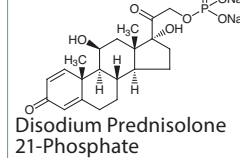
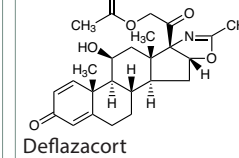
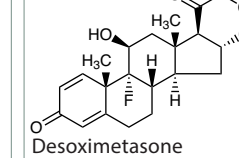
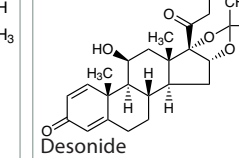
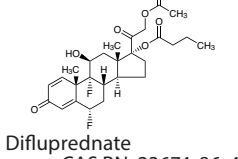
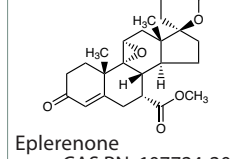
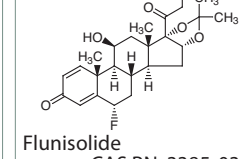
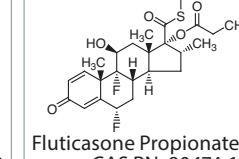
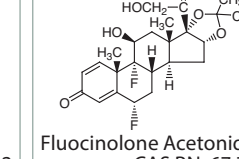
A0845 1g 5g

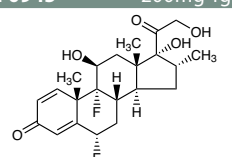
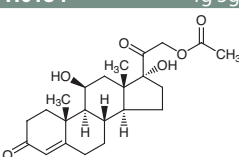
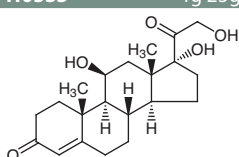
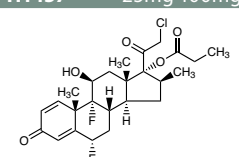
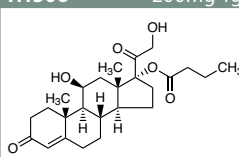
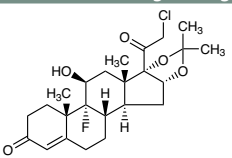
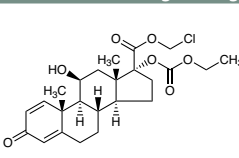
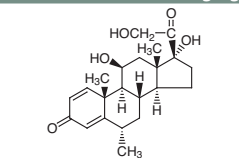
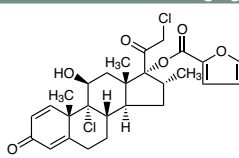
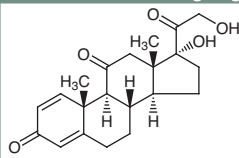
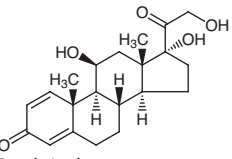
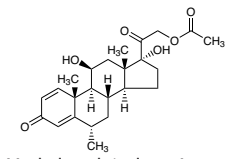
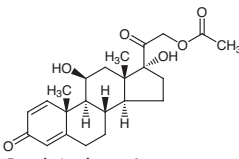
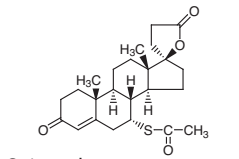
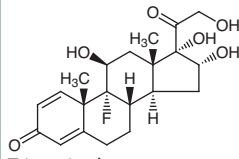
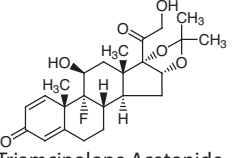
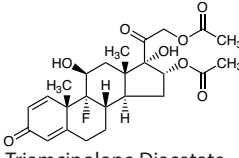
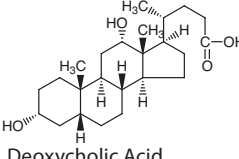
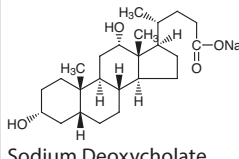
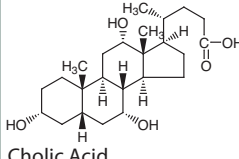
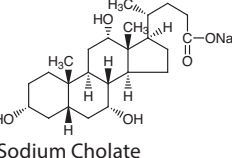
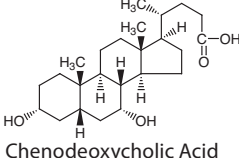
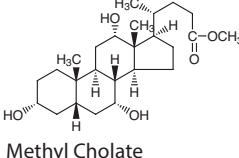
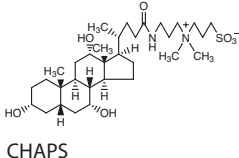
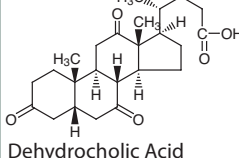
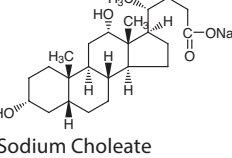
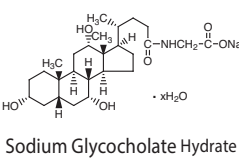
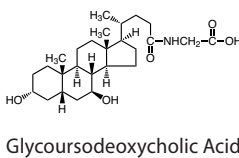
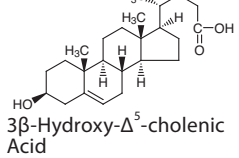
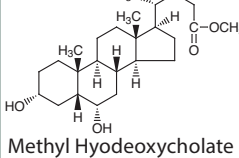
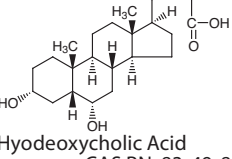
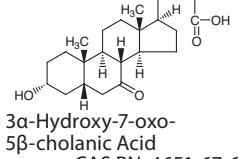
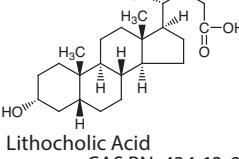
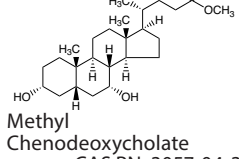
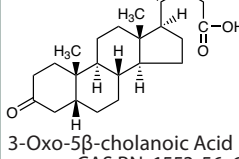
Δ<sup>4</sup>-Androstene-3,17-dione  
CAS RN: 63-05-8

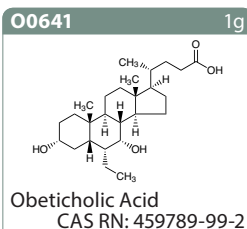
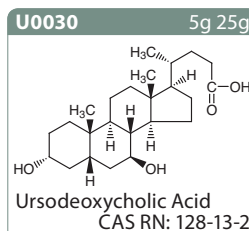
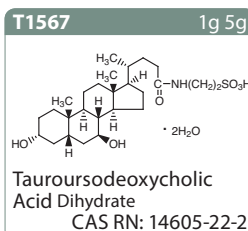
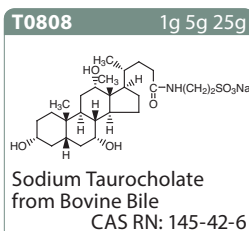
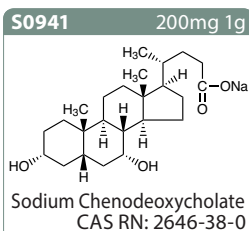
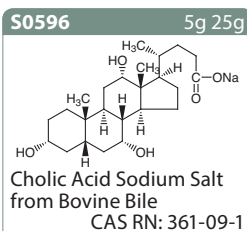
A1397 1g

Adrenosterone  
CAS RN: 382-45-6

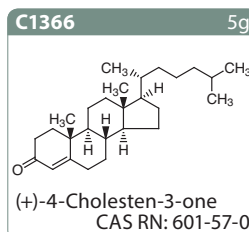
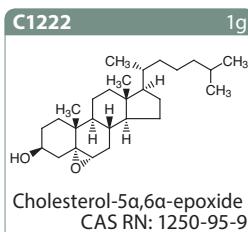
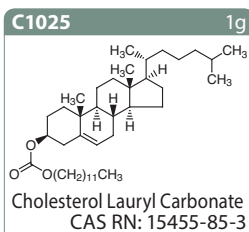
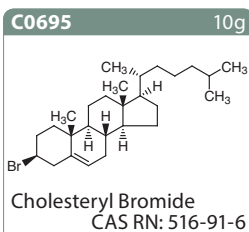
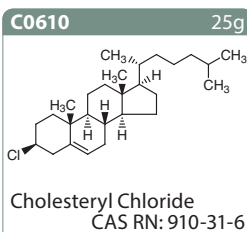
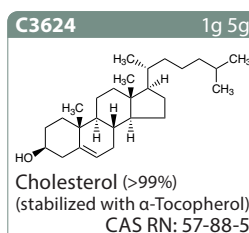
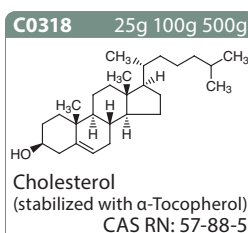
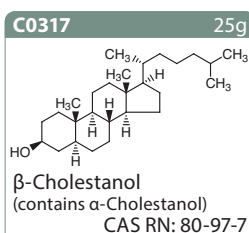
<p><b>A2868</b> 20mg 200mg</p>  <p>Abiraterone CAS RN: 154229-19-3</p>	<p><b>A2891</b> 200mg 1g</p>  <p>Abiraterone Acetate CAS RN: 154229-18-2</p>	<p><b>C3497</b> 25mg 200mg</p>  <p>Clostebol Acetate CAS RN: 855-19-6</p>	<p><b>D0044</b> 1g 5g 25g</p>  <p>Dehydroepiandrosterone CAS RN: 53-43-0</p>	<p><b>D0045</b> 5g 25g</p>  <p>Dehydroepiandrosterone Acetate CAS RN: 853-23-6</p>
<p><b>D6119</b> 20mg</p>  <p>21-Hydroxyprogesterone CAS RN: 64-85-7</p>	<p><b>E0040</b> 1g 5g</p>  <p>Ethisterone CAS RN: 434-03-7</p>	<p><b>E0374</b> 1g 5g</p>  <p>Epiandrosterone CAS RN: 481-29-8</p>	<p><b>H1193</b> 1g 5g</p>  <p>Dianabol CAS RN: 72-63-9</p>	<p><b>H1815</b> 1g</p>  <p>9-Hydroxyandrost-4-ene-3,17-dione CAS RN: 560-62-3</p>
<p><b>M0146</b> 1g 25g</p>  <p>Methylandrostenediol CAS RN: 521-10-8</p>	<p><b>M0435</b> 1g 5g</p>  <p>Methyltestosterone CAS RN: 58-18-4</p>	<p><b>M1800</b> 1g</p>  <p>Mesterolone CAS RN: 1424-00-6</p>	<p><b>M1801</b> 1g 5g</p>  <p>Mestaline CAS RN: 521-11-9</p>	<p><b>M3092</b> 200mg 1g</p>  <p>Methenolone Enanthate CAS RN: 303-42-4</p>
<p><b>M3121</b> 1g 5g</p>  <p>6-Methyleneandrost-4-ene-3,17-dione CAS RN: 19457-55-7</p>	<p><b>S0530</b> 1g 5g</p>  <p>Stanozolol CAS RN: 10418-03-8</p>	<p><b>T0027</b> 1g 10g</p>  <p>Testosterone CAS RN: 58-22-0</p>	<p><b>T0028</b> 5g 25g</p>  <p>Testosterone Propionate CAS RN: 57-85-2</p>	<p><b>T4049</b> 200mg 1g</p>  <p>Trilostane CAS RN: 13647-35-3</p>
<p><b>O0652</b> 1g 5g</p>  <p>3-Oxoandrost-4-ene-17β-carboxylic Acid CAS RN: 302-97-6</p>	<p><b>プレグナン</b></p>			
<p><b>プロゲステロゲン</b></p>		<p><b>C2942</b> 200mg 1g</p>  <p>Cyproterone Acetate CAS RN: 427-51-0</p>	<p><b>C3116</b> 1g</p>  <p>Chlormadinone Acetate CAS RN: 302-22-7</p>	
<p><b>D4209</b> 200mg</p>  <p>Drospirenone CAS RN: 67392-87-4</p>	<p><b>D4687</b> 5g 25g</p>  <p>16-Dehydropregnenolone Acetate CAS RN: 979-02-2</p>	<p><b>E0198</b> 1g 5g 25g</p>  <p>16,17-Epoxyprogesterone CAS RN: 1097-51-4</p>	<p><b>F0414</b> 1g</p>  <p>Fluorometholone CAS RN: 426-13-1</p>	<p><b>F1326</b> 100mg 1g</p>  <p>Fluorogestone Acetate CAS RN: 2529-45-5</p>
<p><b>H0498</b> 1g</p>  <p>11α-Hydroxyprogesterone CAS RN: 80-75-1</p>	<p><b>H0994</b> 5g</p>  <p>17α-Hydroxyprogesterone Caproate CAS RN: 630-56-8</p>	<p><b>H1250</b> 5g 25g</p>  <p>17α-Hydroxyprogesterone CAS RN: 68-96-2</p>	<p><b>H1527</b> 1g 5g</p>  <p>17α-Hydroxyprogesterone Acetate CAS RN: 302-23-8</p>	<p><b>H1839</b> 1g</p>  <p>3β-Hydroxy-5α-pregnan-20-one CAS RN: 516-55-2</p>

<b>M1949</b> 1g 5g  Megestrol Acetate CAS RN: 595-33-5	<b>M1964</b> 1g 5g  Medroxyprogesterone Acetate CAS RN: 71-58-9	<b>M3113</b> 1g 5g  Medroxyprogesterone CAS RN: 520-85-4	<b>M3479</b> 200mg  Melengestrol Acetate CAS RN: 2919-66-6	<b>P0477</b> 1g 10g  Pregnenolone Acetate CAS RN: 1778-02-5
<b>P0478</b> 5g 25g  Progesterone CAS RN: 57-83-0	<b>P0678</b> 100mg 1g  5β-Pregnane-3α,20α-diol CAS RN: 80-92-2	<b>P0771</b> 1g  4-Pregnene-3,11,20-trione CAS RN: 516-15-4	<b>P0786</b> 5g 25g  Pregnenolone CAS RN: 145-13-1	<b>P2423</b> 1g 5g  5α-Pregnane-3,20-dione CAS RN: 566-65-4
<b>P2623</b> 1g 5g  6-Dehydroprogesterone CAS RN: 1162-56-7	<b>N1277</b> 50mg  Nomegestrol Acetate CAS RN: 58652-20-3	<b>P3084</b> 5mg 25mg  5β-Pregnane-3α-ol-20-one CAS RN: 128-20-1	<b>コルチコイド</b>	
<b>B1837</b> 1g 5g  Betamethasone CAS RN: 378-44-9	<b>B3165</b> 1g 5g  Betamethasone 21-Acetate CAS RN: 987-24-6	<b>B3166</b> 1g 5g  Betamethasone 17,21-Dipropionate CAS RN: 5593-20-4	<b>B3909</b> 200mg 1g  Budesonide CAS RN: 51333-22-3	<b>B4110</b> 1g  Betamethasone 21-Phosphate Disodium Salt CAS RN: 151-73-5
<b>B4464</b> 1g 5g  Beclomethasone Dipropionate CAS RN: 5534-09-8	<b>C0388</b> 100mg 1g 5g  Corticosterone CAS RN: 50-22-6	<b>C0389</b> 1g 5g 25g  Cortisone Acetate CAS RN: 50-04-4	<b>C1317</b> 1g  Cortisone CAS RN: 53-06-5	<b>C1478</b> 1g  Cortisolone CAS RN: 152-58-9
<b>C2612</b> 1g 5g  Clobetasol 17-Propionate CAS RN: 25122-46-7	<b>C3510</b> 50mg 250mg 1g  Clobetasone Butyrate CAS RN: 25122-57-0	<b>C3701</b> 10mg 50mg  Ciclesonide CAS RN: 126544-47-6	<b>D0047</b> 1g  Deoxycorticosterone Acetate CAS RN: 56-47-3	<b>D1961</b> 1g  Dexamethasone CAS RN: 50-02-2
<b>D3628</b> 1g 5g  Dexamethasone 21-Acetate CAS RN: 1177-87-3	<b>D3918</b> 5g  Disodium Prednisolone 21-Phosphate CAS RN: 125-02-0	<b>D4523</b> 1g  Deflazacort CAS RN: 14484-47-0	<b>D5515</b> 50mg 250mg  Desoximetasone CAS RN: 382-67-2	<b>D5578</b> 250mg 1g 5g  Desonide CAS RN: 638-94-8
<b>D5579</b> 50mg 250mg  Difluprednate CAS RN: 23674-86-4	<b>E0905</b> 200mg  Eplerenone CAS RN: 107724-20-9	<b>F0437</b> 1g  Flunisolide CAS RN: 3385-03-3	<b>F0525</b> 100mg  Fluticasone Propionate CAS RN: 80474-14-2	<b>F0657</b> 1g 5g  Fluocinolone Acetonide CAS RN: 67-73-2

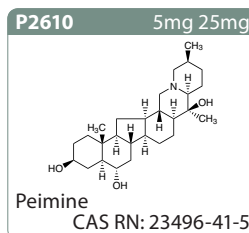
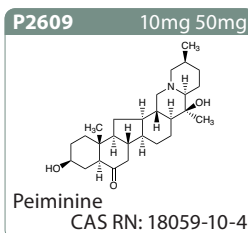
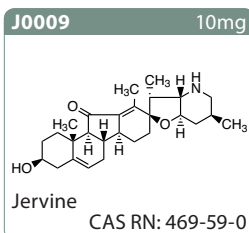
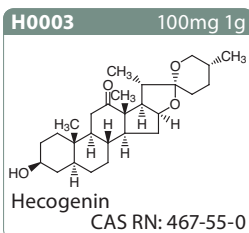
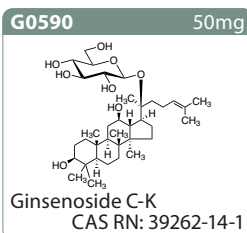
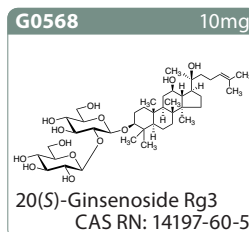
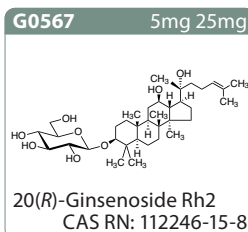
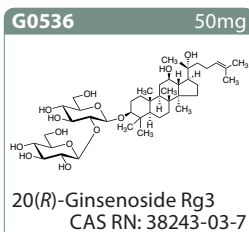
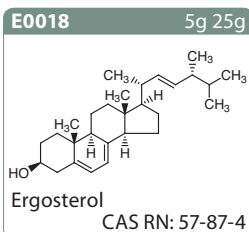
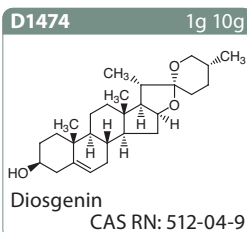
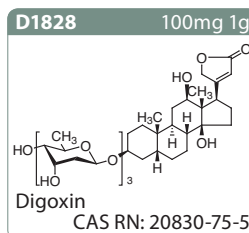
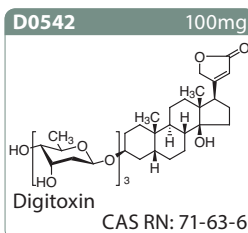
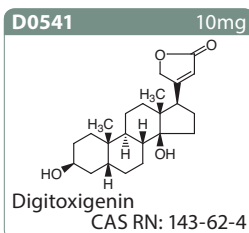
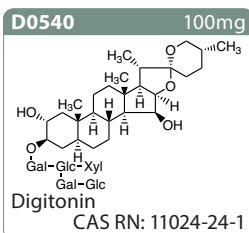
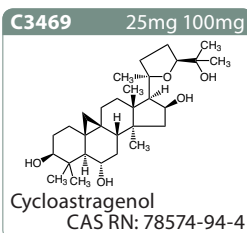
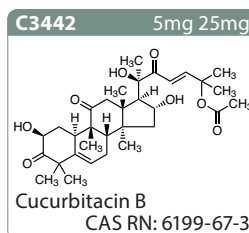
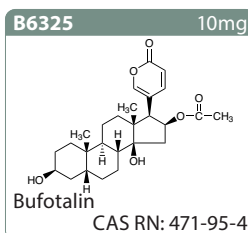
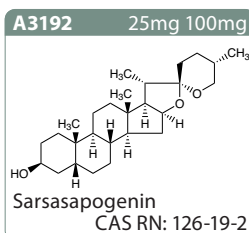
<p><b>F0945</b> 200mg 1g</p>  <p>Flumetasone CAS RN: 2135-17-3</p>	<p><b>H0184</b> 1g 5g</p>  <p>Hydrocortisone Acetate CAS RN: 50-03-3</p>	<p><b>H0533</b> 1g 25g</p>  <p>Hydrocortisone CAS RN: 50-23-7</p>	<p><b>H1457</b> 25mg 100mg</p>  <p>Halobetasol Propionate CAS RN: 66852-54-8</p>	<p><b>H1506</b> 200mg 1g</p>  <p>Hydrocortisone 17-Butyrate CAS RN: 13609-67-1</p>
<p><b>H1672</b> 25mg 100mg</p>  <p>Halcinonide CAS RN: 3093-35-4</p>	<p><b>L0327</b> 50mg 250mg</p>  <p>Loteprednol Etabonate CAS RN: 82034-46-6</p>	<p><b>M1665</b> 1g 5g</p>  <p>6α-Methylprednisolone CAS RN: 83-43-2</p>	<p><b>M2354</b> 200mg 1g</p>  <p>Mometasone Furoate CAS RN: 83919-23-7</p>	<p><b>P1276</b> 5g 25g</p>  <p>Prednisone CAS RN: 53-03-2</p>
<p><b>P0637</b> 1g 5g 25g</p>  <p>Prednisolone CAS RN: 50-24-8</p>	<p><b>M2635</b> 250mg 1g</p>  <p>Methylprednisolone Acetate CAS RN: 53-36-1</p>	<p><b>P1283</b> 5g</p>  <p>Prednisolone Acetate CAS RN: 52-21-1</p>	<p><b>S0260</b> 1g 5g</p>  <p>Spironolactone CAS RN: 52-01-7</p>	<p><b>T2303</b> 1g</p>  <p>Triamcinolone CAS RN: 124-94-7</p>
<p><b>T2308</b> 1g 5g</p>  <p>Triamcinolone Acetonide CAS RN: 76-25-5</p>	<p><b>T3676</b> 50mg 250mg</p>  <p>Triamcinolone Diacetate CAS RN: 67-78-7</p>			
<p><b>コラン</b></p>				
<p><b>C0315</b> 25g 100g</p>  <p>Deoxycholic Acid CAS RN: 83-44-3</p>	<p><b>C0316</b> 25g 100g</p>  <p>Sodium Deoxycholate CAS RN: 302-95-4</p>	<p><b>C0324</b> 25g 500g</p>  <p>Cholic Acid CAS RN: 81-25-4</p>		
<p><b>C0325</b> 25g 100g 500g</p>  <p>Sodium Cholate CAS RN: 361-09-1</p>	<p><b>C0750</b> 5g 25g</p>  <p>Chenodeoxycholic Acid CAS RN: 474-25-9</p>	<p><b>C1412</b> 25g</p>  <p>Methyl Cholate CAS RN: 1448-36-8</p>	<p><b>C1578</b> 1g 5g</p>  <p>CHAPS CAS RN: 75621-03-3</p>	<p><b>D0042</b> 25g 250g</p>  <p>Dehydrocholic Acid CAS RN: 81-23-2</p>
<p><b>D1820</b> 25g</p>  <p>Sodium Choleate CAS RN: 302-95-4</p>	<p><b>G0207</b> 1g 5g</p>  <p>Sodium Glycocholate Hydrate CAS RN: 338950-81-5</p>	<p><b>G0459</b> 200mg 1g</p>  <p>Glycoursodeoxycholic Acid CAS RN: 64480-66-6</p>	<p><b>H0521</b> 1g 5g</p>  <p>3β-Hydroxy-Δ<sup>5</sup>-chenolic Acid CAS RN: 5255-17-4</p>	<p><b>H0529</b> 5g 25g</p>  <p>Methyl Hyodeoxycholate CAS RN: 2868-48-6</p>
<p><b>H0535</b> 1g 25g</p>  <p>Hyodeoxycholic Acid CAS RN: 83-49-8</p>	<p><b>H0869</b> 5g 25g</p>  <p>3α-Hydroxy-7-oxo-5β-cholanic Acid CAS RN: 4651-67-6</p>	<p><b>L0089</b> 5g 25g</p>  <p>Lithocholic Acid CAS RN: 434-13-9</p>	<p><b>M3485</b> 200mg 1g</p>  <p>Methyl Chenodeoxycholate CAS RN: 3057-04-3</p>	<p><b>O0500</b> 250mg 1g</p>  <p>3-Oxo-5β-cholanoic Acid CAS RN: 1553-56-6</p>

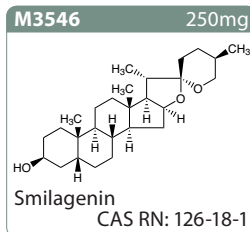
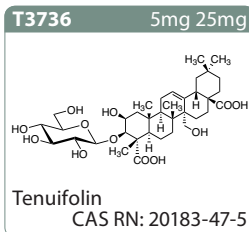
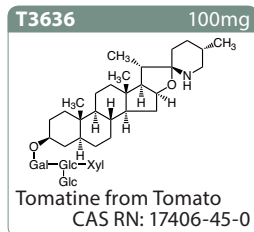
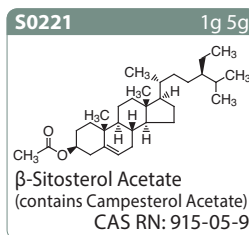
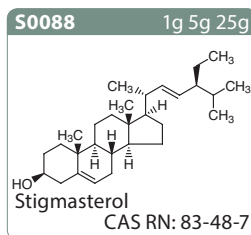
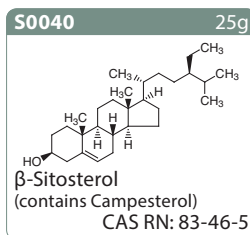
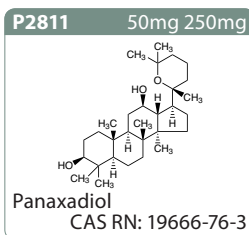
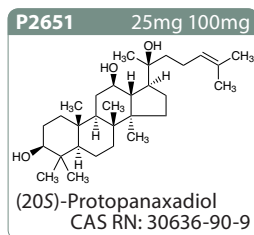


## コレスタン

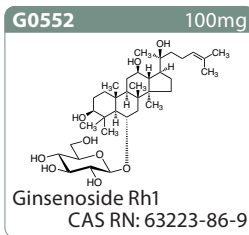
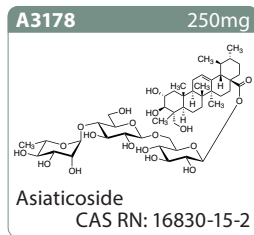
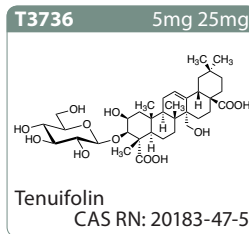
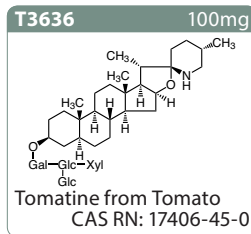
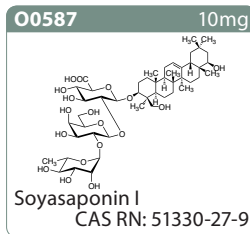
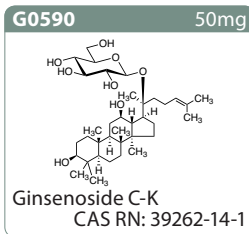
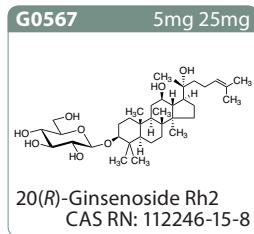
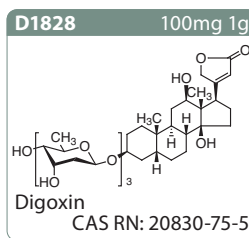
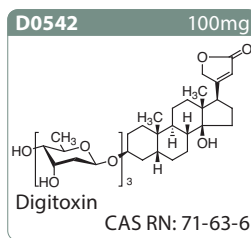
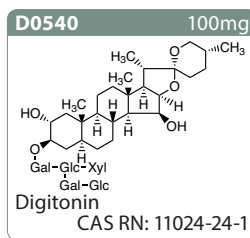


## 植物ステロイド

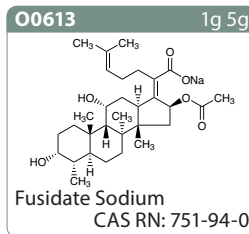
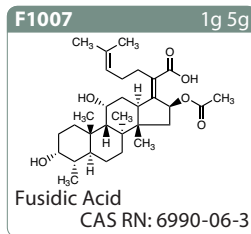
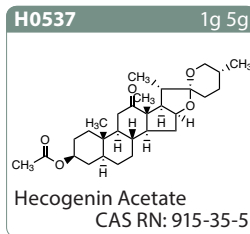
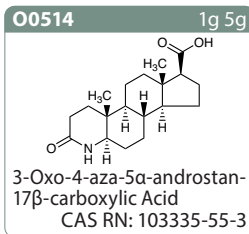
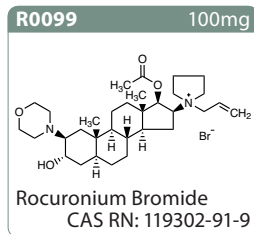
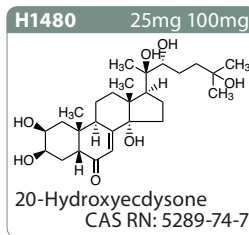
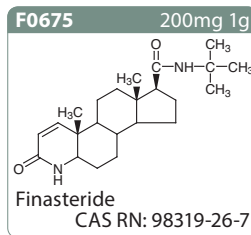
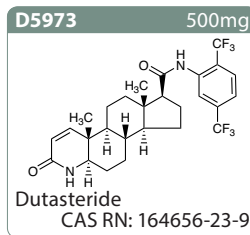




## ステロイド配糖体



## その他のステロイド





## 東京化成工業株式会社

### 試薬製品について

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

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

### スケールアップ、受託サービス(合成・開発・製造)について

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

### 弊社製品取扱店

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