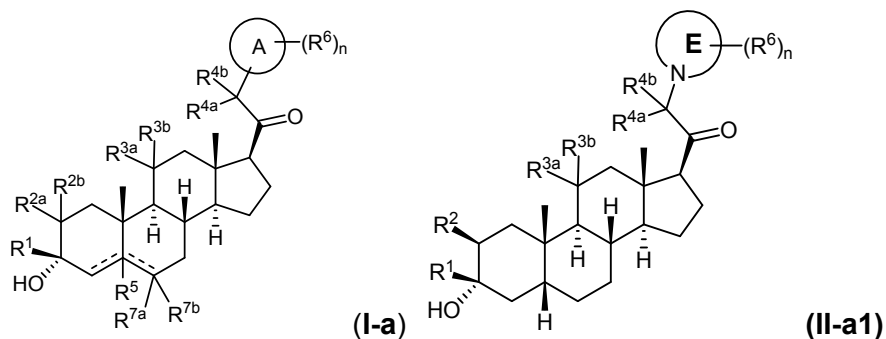


REIVINDICACIONES

1. Un compuesto de la Fórmula (Ia) o la Fórmula (II-a1):



o una sal farmacéuticamente aceptable del mismo;

donde:

El anillo E es heterociclilo o heteroarilo;

El anillo A es heterociclilo o heteroarilo enlazado a través de nitrógeno;

R^6 es alquilo C_{1-6} , alquenilo C_{2-6} , alquinilo C_{2-6} , carbociclilo C_{3-6} , haloalquilo C_{1-6} , halógeno, ciano, nitro, OR^{A6} , $C(=O)R^{A6}$, $C(=O)OR^{A6}$, SR^{B6} , $S(=O)R^{B6}$, $S(=O)_2R^{B6}$, $N(R^{C6})(R^{D6})$, $C(=O)N(R^{C6})(R^{D6})$, $N(R^{C6})C(=O)R^{A6}$; y

n es 1, 2, o 3;

donde R^{A6} es hidrógeno o alquilo C_{1-6} , alquenilo C_{2-6} , alquinilo C_{2-6} , carbociclilo C_{3-6} , o haloalquilo C_{1-6} ; R^{B6} es alquilo C_{1-6} o carbociclilo C_{3-6} ; y cada uno de R^{C6} y R^{D6} es independientemente hidrógeno, alquilo C_{1-6} , carbociclilo, heterociclilo, arilo o heteroarilo, o R^{C6} y R^{D6} junto con el átomo de nitrógeno al que están unidos forman un anillo (por ejemplo, un anillo de 3-6 miembros (por ejemplo, anillo de carbociclilo o heterociclilo));

R^1 es metilo;

cada uno de R^{2a} y R^{2b} es independientemente hidrógeno, alquilo C_{1-6} , alquenilo C_{2-6} , alquinilo C_{2-6} , carbociclilo C_{3-6} , o $-OR^{A2}$, donde R^{A2} es hidrógeno o alquilo C_{1-6} , alquenilo C_{2-6} , alquinilo C_{2-6} , o carbociclilo C_{3-6} ;

R^{3a} es hidrógeno o $-OR^{A3}$, donde R^{A3} es hidrógeno, alquilo C_{1-6} , alquenilo C_{2-6} , alquinilo C_{2-6} , o carbociclilo C_{3-6} , y R^{3b} es hidrógeno;

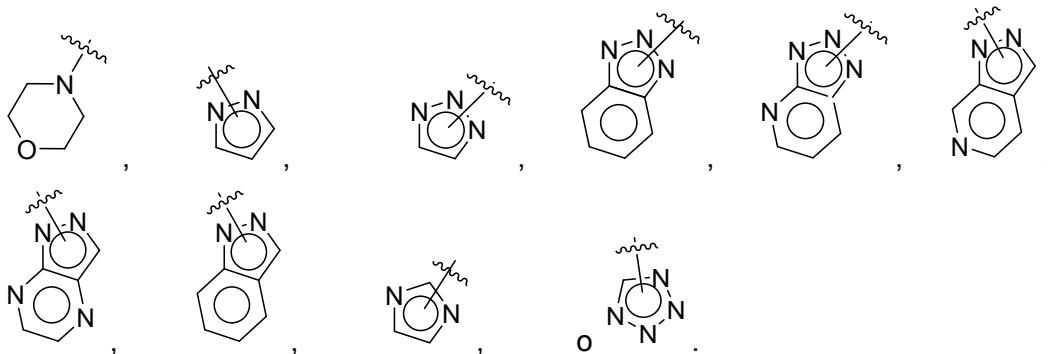
R^{4a} es hidrógeno, alquilo C_{1-6} , o $-OR^{A4}$, donde R^{A4} es hidrógeno, alquilo C_{1-6} , alquenilo C_{2-6} , alquinilo C_{2-6} , o carbociclilo C_{3-6} , y R^{4b} es hidrógeno o alquilo C_{1-6} ; o R^{4a} y R^{4b} se unen para formar un grupo oxo ($=O$); o R^{4a} y R^{4b} junto con el átomo de carbono al que están unidos forman un anillo;

R^5 está ausente o es hidrógeno;

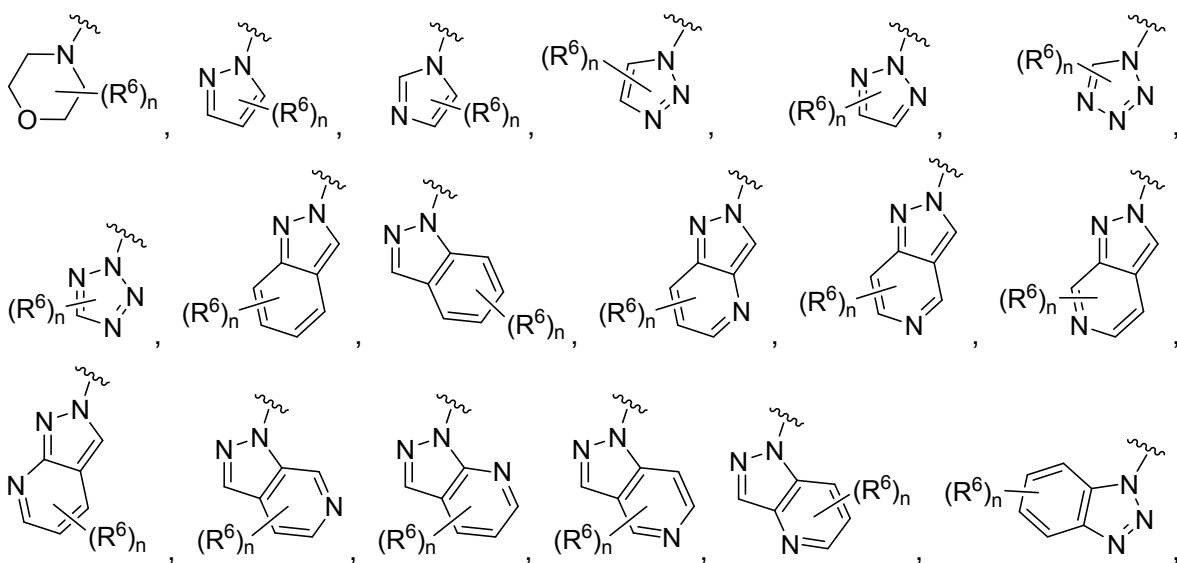
cada uno de R^{7a} y R^{7b} es independientemente hidrógeno o halógeno;

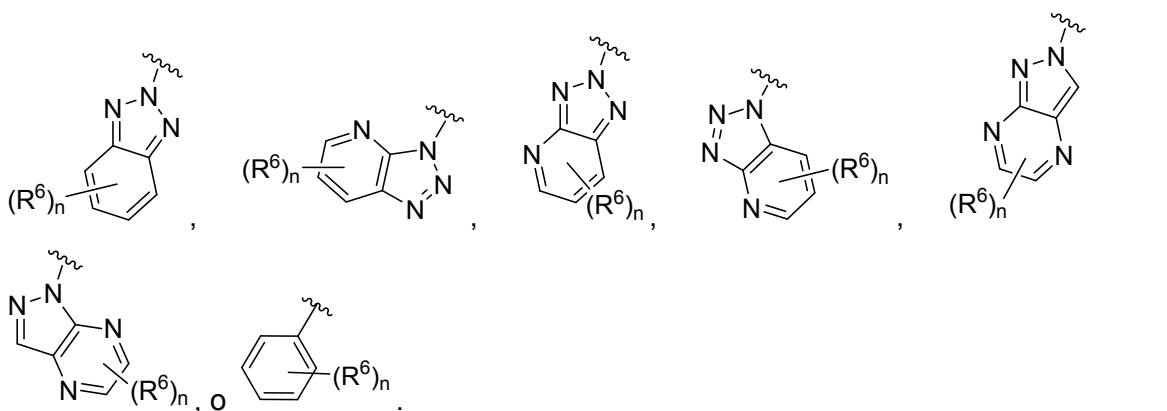
===== representa un enlace simple o doble, en el que cuando uno de ===== es un enlace doble, el otro ===== es un enlace simple; y cuando uno de los ===== es un enlace doble, R^5 está ausente.

2. El compuesto de la reivindicación 1, en la que E se selecciona a partir de:



3. El compuesto de cualquiera de las reivindicaciones precedentes, donde A es:





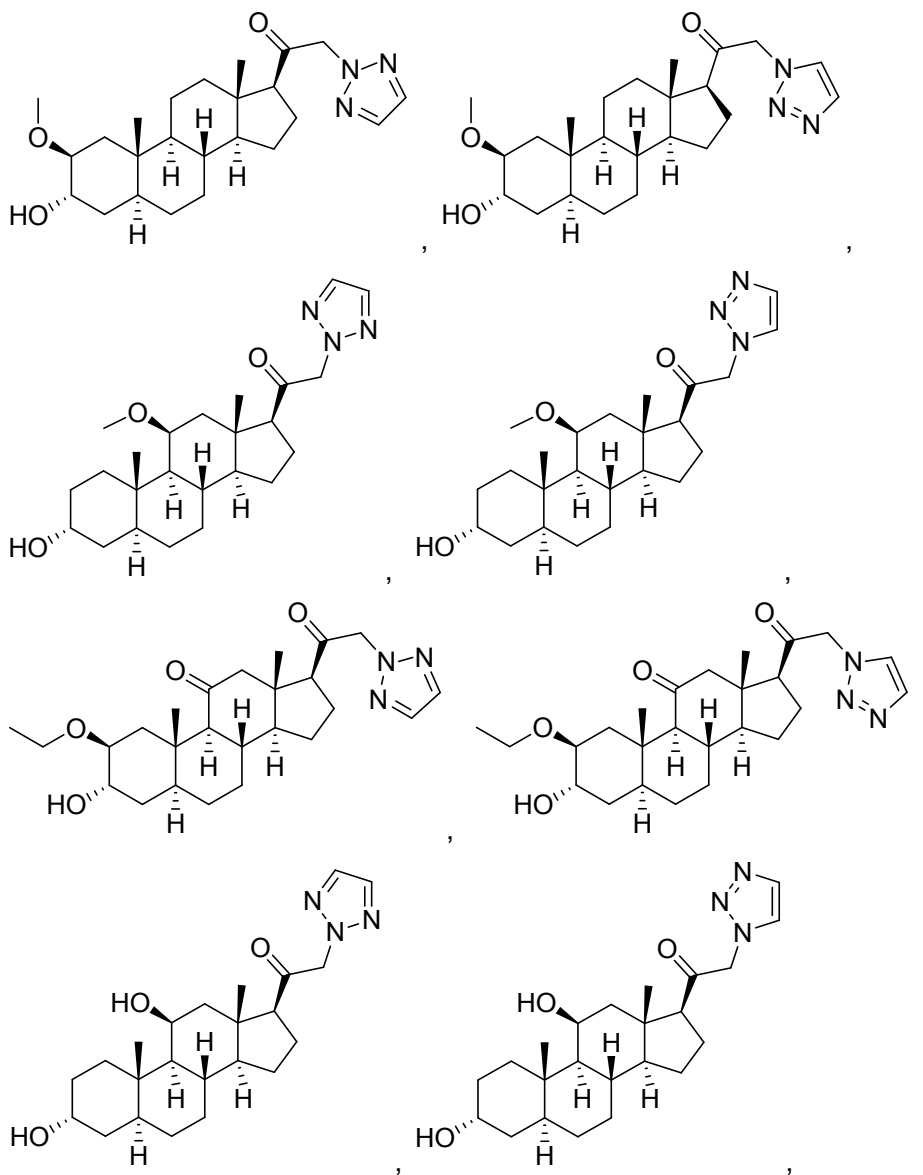
4. El compuesto de una cualquiera de las reivindicaciones 1 o 2, donde E es un anillo que comprende al menos dos átomos de nitrógeno.
5. El compuesto de la reivindicación 4, donde E es un anillo que comprende al menos dos átomos de nitrógeno y al menos uno de R^2 , R^{3a} , R^{4a} o R^{4b} no es hidrógeno.
6. El compuesto de cualquiera de las reivindicaciones 1 o 2, donde E es un anillo que comprende al menos tres átomos de nitrógeno.
7. El compuesto de cualquiera de las reivindicaciones 1 o 2, donde E es un anillo que comprende cuatro átomos de nitrógeno.
8. El compuesto de la reivindicación 7, donde al menos uno de R^2 , R^{3a} , R^{4a} o R^{4b} no es hidrógeno.
9. El compuesto de cualquiera de las reivindicaciones 1 o 2, donde E es un anillo que comprende 2, 3 o 4 átomos de nitrógeno.
10. El compuesto de cualquiera de las reivindicaciones 1-9, donde E es un anillo seleccionado a partir de pirazol, triazol, tetrazol, indazol, benzotriazol, triazolopiridina, triazolopirazina, pirazolopirazina o morfolina.
11. El compuesto de la reivindicación 2, donde E es morfolina.
12. El compuesto de cualquiera de las reivindicaciones precedentes, donde R^{3a} es $-OR^{A3}$, donde R^{A3} es hidrógeno, o alquilo C_{1-6} sustituido o no sustituido.
13. El compuesto de cualquiera de las reivindicaciones precedentes, donde R^{4a} es hidrógeno, alquilo C_{1-6} sustituido, o alquilo C_{1-6} no sustituido.

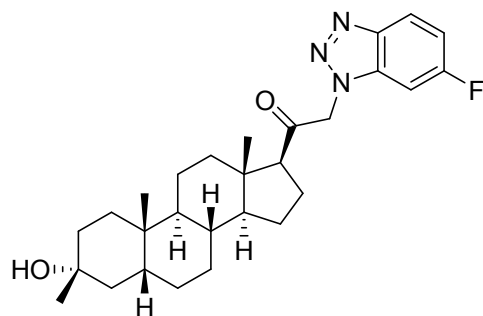
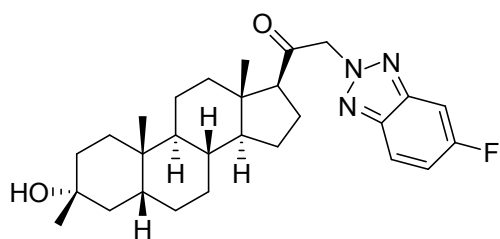
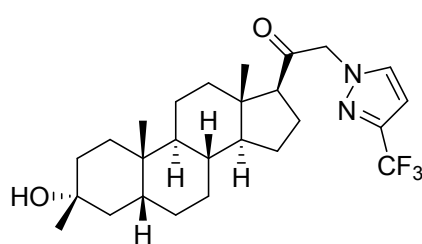
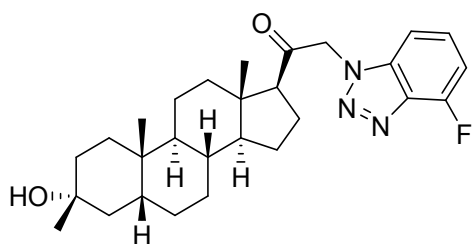
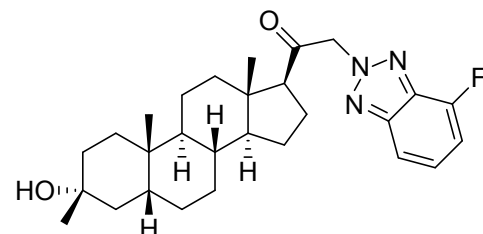
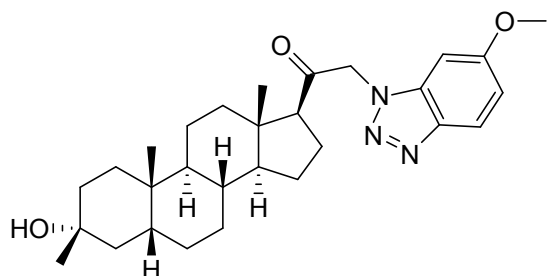
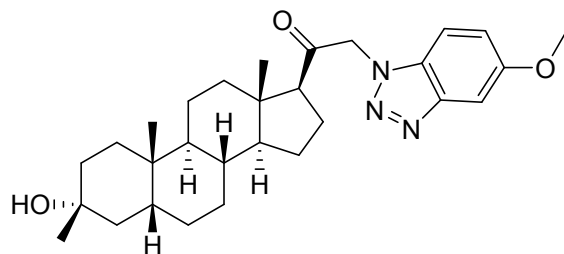
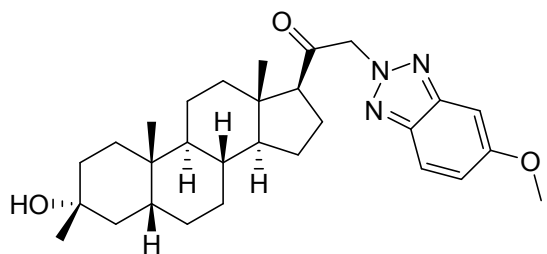
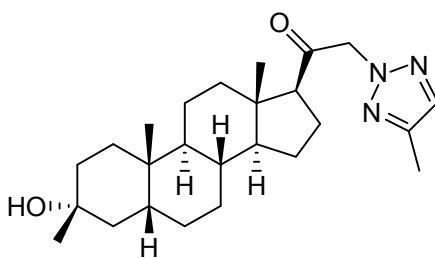
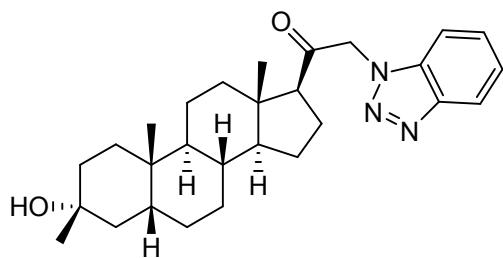
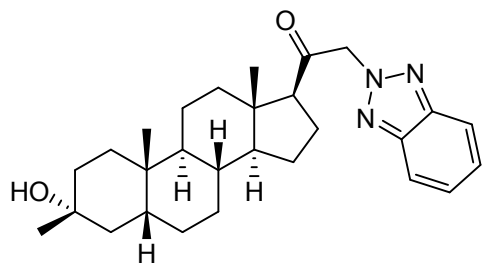
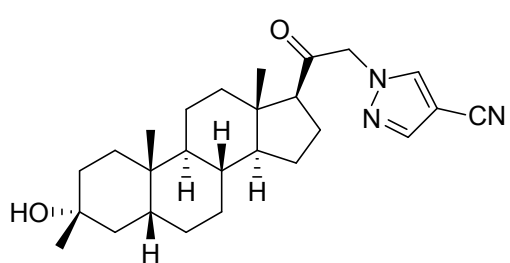
14. El compuesto de cualquiera de las reivindicaciones precedentes, donde R^{4b} es hidrógeno, o alquilo C_{1-6} sustituido, o alquilo C_{1-6} no sustituido.
15. El compuesto de cualquiera de las reivindicaciones precedentes, donde cada uno de R^{4a} y R^{4a} es independientemente alquilo C_{1-6} no sustituido.
16. El compuesto de cualquiera de las reivindicaciones precedentes, donde cada uno de R^{4a} y R^{4a} es independientemente hidrógeno.
17. El compuesto de cualquiera de las reivindicaciones precedentes, donde R^5 es hidrógeno.
18. El compuesto de cualquiera de las reivindicaciones precedentes, donde n es 1 y R^6 es alquilo C_{1-6} sustituido o no sustituido, C_{1-6} haloalquilo, halógeno, ciano, $-OR^{A6}$, $-C(=O)OR^{A6}$, $-SR^{B6}$, $-S(=O)R^{B6}$, o $S(=O)_2R^{B6}$, donde R^{A6} es hidrógeno o alquilo C_{1-6} sustituido o no sustituido, haloalquilo C_{1-6} , y R^{B6} es alquilo C_{1-6} sustituido o no sustituido.
19. El compuesto de cualquiera de las reivindicaciones precedentes, donde n es 1 y R^6 es halógeno o ciano.
20. El compuesto de cualquiera de las reivindicaciones precedentes, donde n es 1 y R^6 es alquilo C_{1-6} sustituido o no sustituido.
21. El compuesto de cualquiera de las reivindicaciones precedentes, donde n es 1 y R^6 es haloalquilo C_{1-6} , $-OR^{A6}$, o $-C(=O)OR^{A6}$, donde R^{A6} es hidrógeno o alquilo C_{1-6} sustituido o no sustituido, C_{1-6} haloalquilo.
22. El compuesto de cualquiera de las reivindicaciones precedentes, donde n es 1 y R^6 es SR^{B6} , $-S(=O)R^{B6}$, o $S(=O)_2R^{B6}$, donde R^{B6} es alquilo C_{1-6} sustituido o no sustituido.
23. El compuesto de cualquiera de las reivindicaciones precedentes, donde n es 2 y R^6 es independientemente seleccionado a partir de alquilo C_{1-6} sustituido o no sustituido, haloalquilo C_{1-6} , halógeno, ciano, $-OR^{A6}$, $-C(=O)OR^{A6}$, $-SR^{B6}$, $-S(=O)R^{B6}$, o $S(=O)_2R^{B6}$, donde R^{A6} es hidrógeno o alquilo C_{1-6} sustituido o no sustituido, haloalquilo C_{1-6} , y R^{B6} es alquilo C_{1-6} sustituido o no sustituido.
24. El compuesto de cualquiera de las reivindicaciones precedentes, donde n es 2 y R^6 se selecciona independientemente a partir de un halógeno.

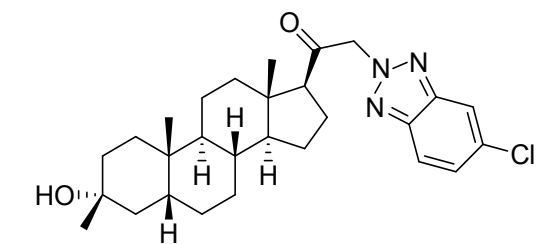
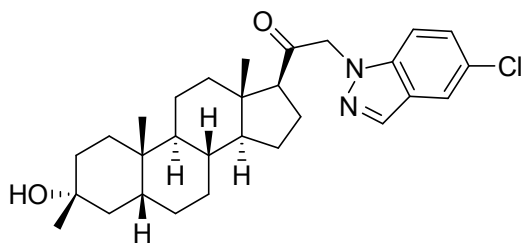
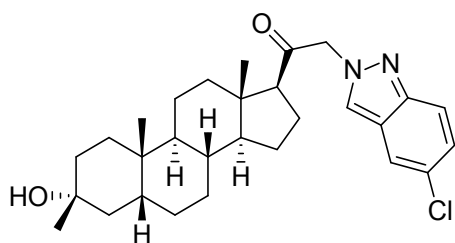
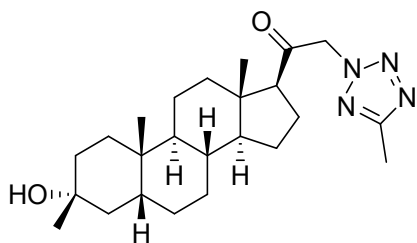
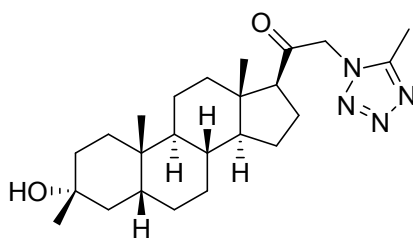
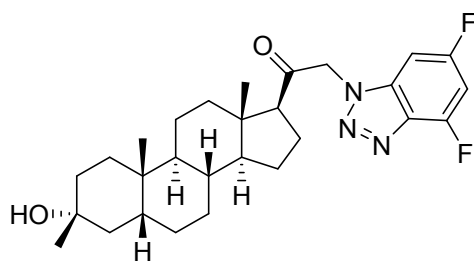
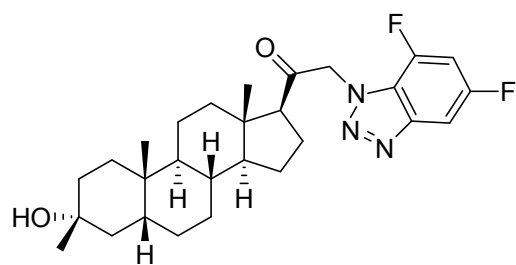
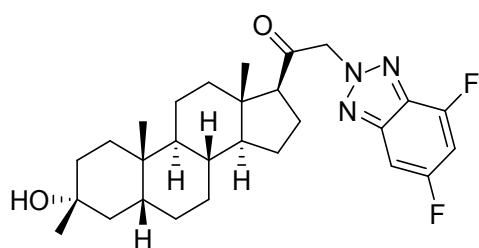
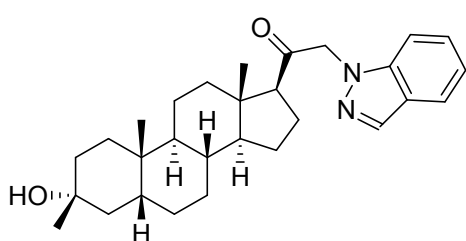
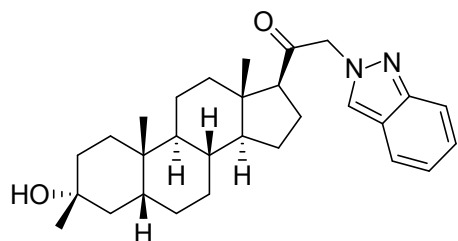
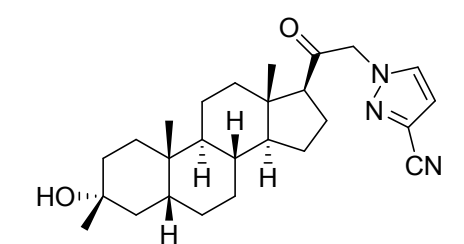
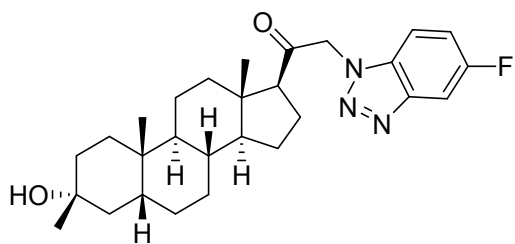
25. El compuesto de cualquiera de las reivindicaciones precedentes, donde n es 2 y uno de R⁶ es flúor.

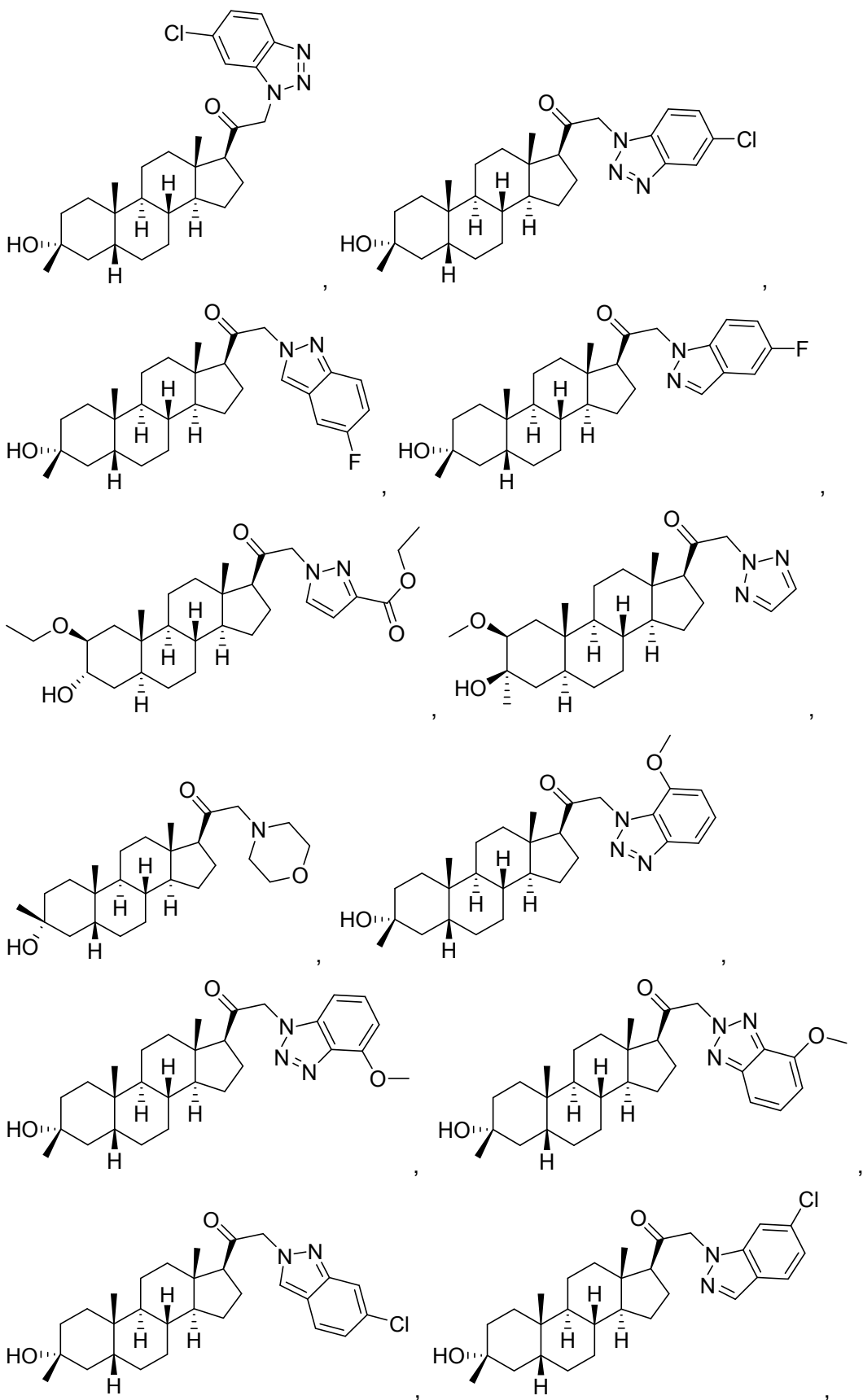
26. El compuesto de cualquiera de las reivindicaciones precedentes, donde R¹ es alquilo C₁₋₃ no sustituido y al menos uno de R², R^{3a}, R^{4a} o R^{4b} no es hidrógeno.

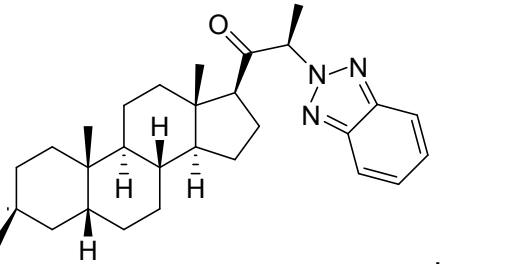
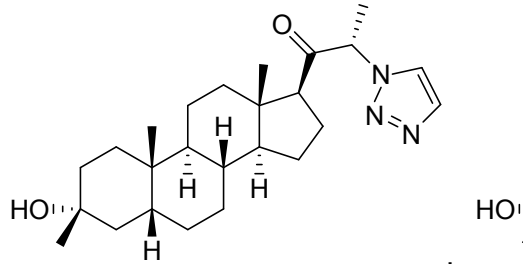
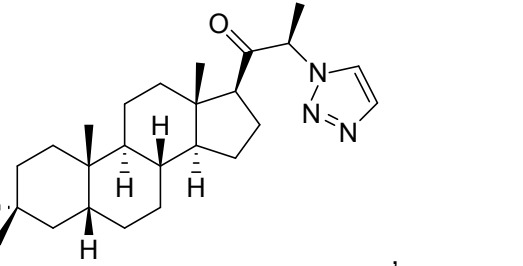
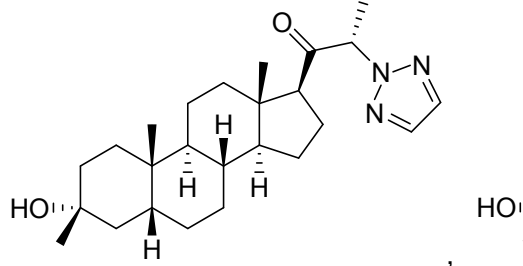
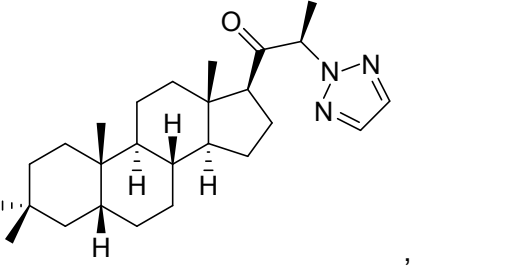
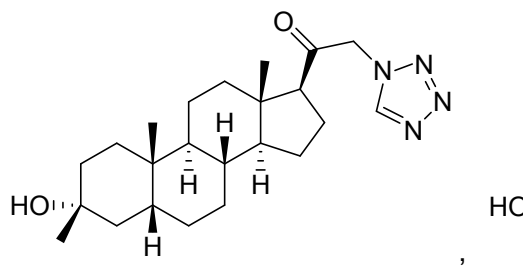
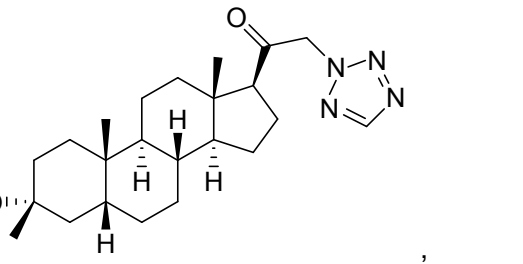
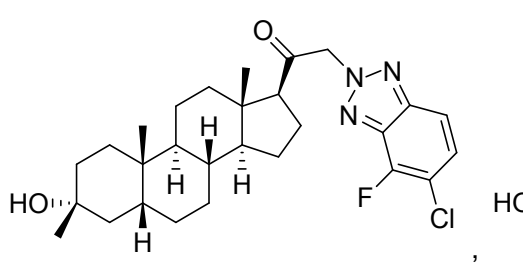
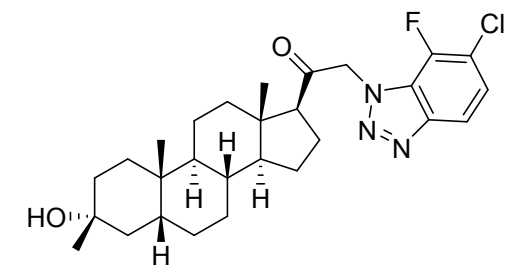
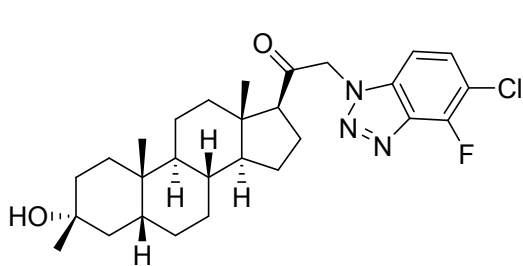
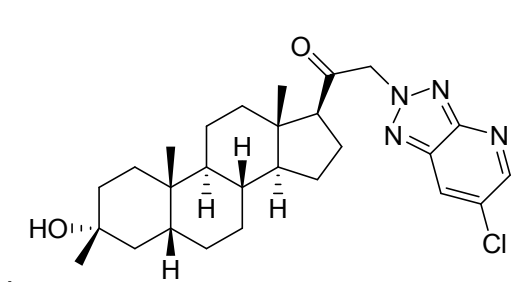
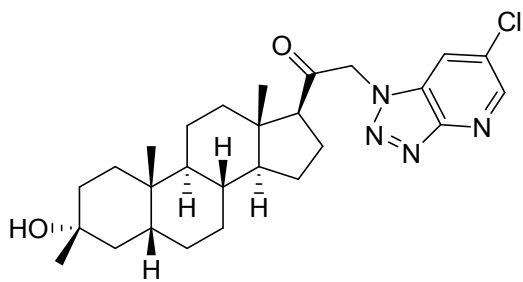
27. Un compuesto, en donde el compuesto es:

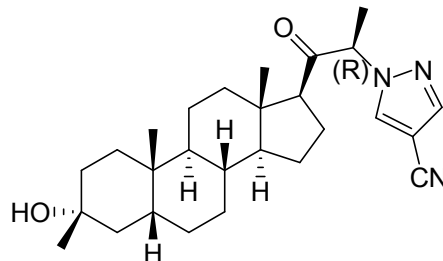
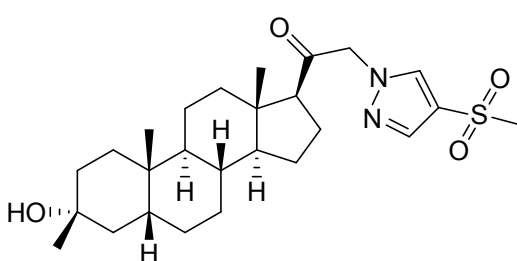
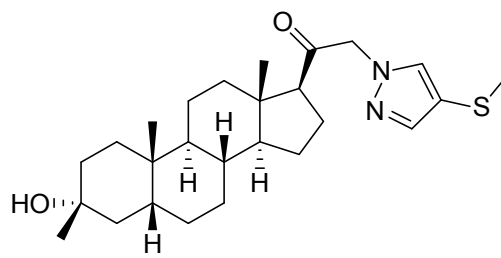
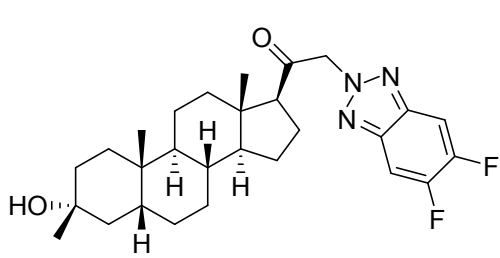
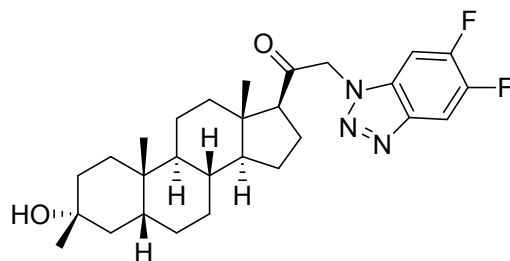
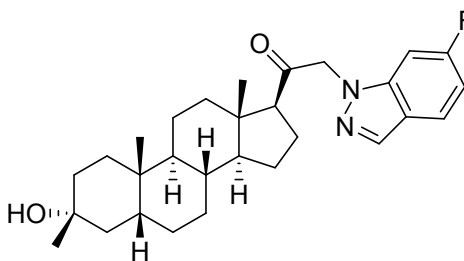
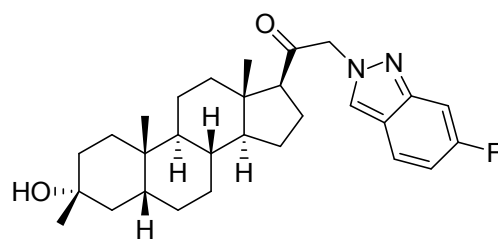
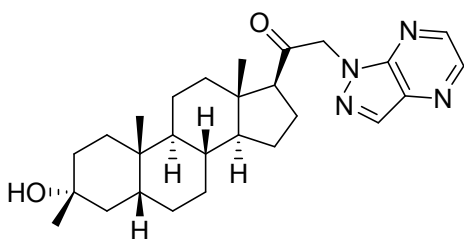
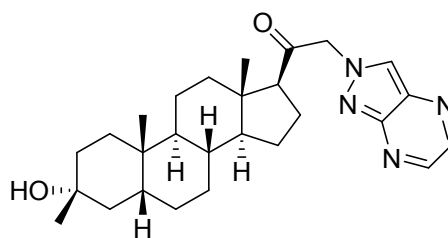
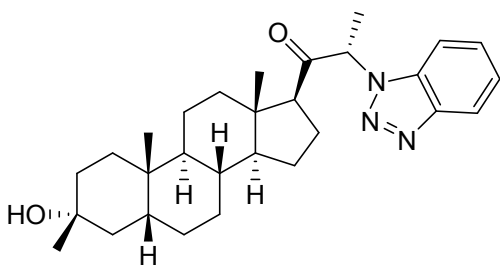
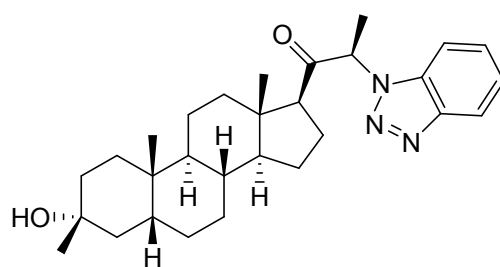
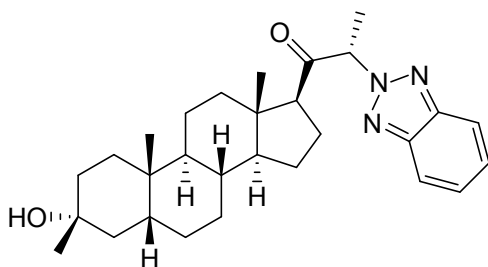


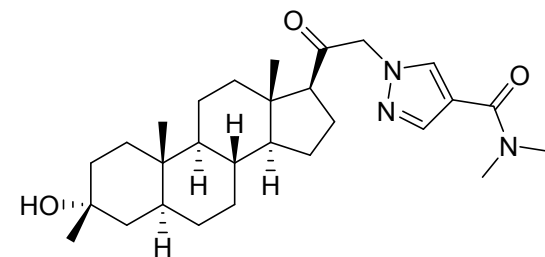
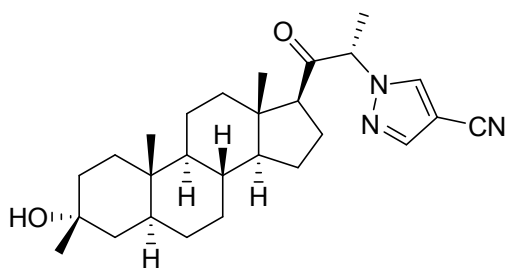
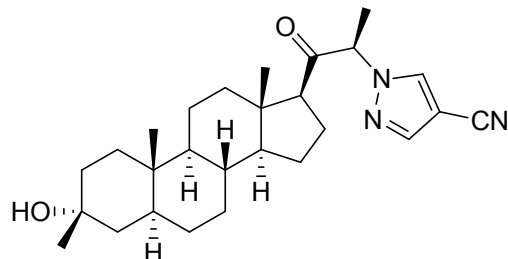
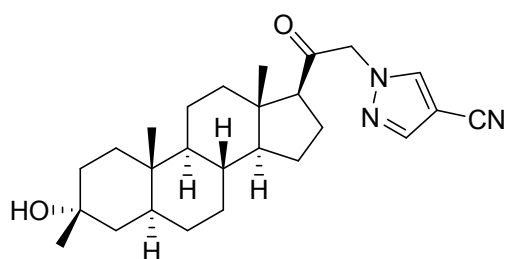
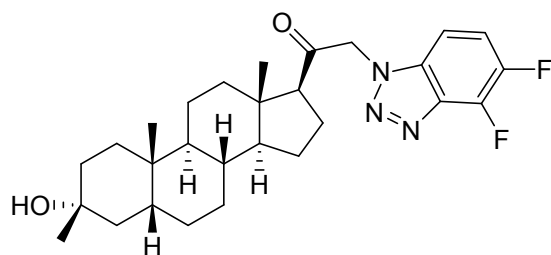
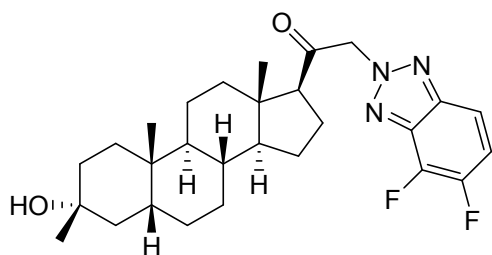
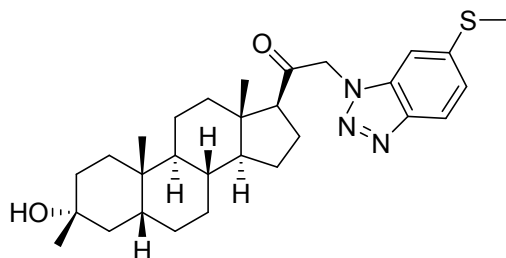
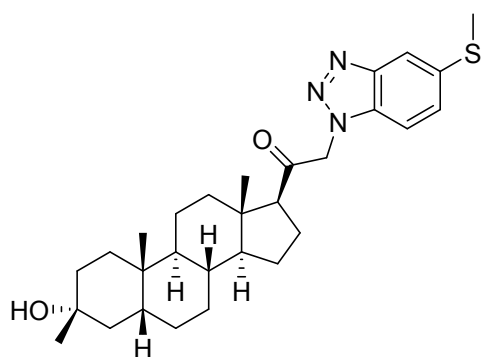
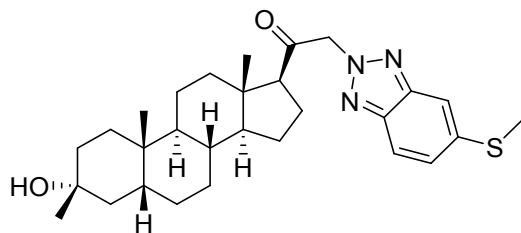
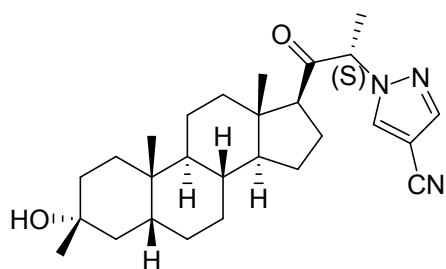


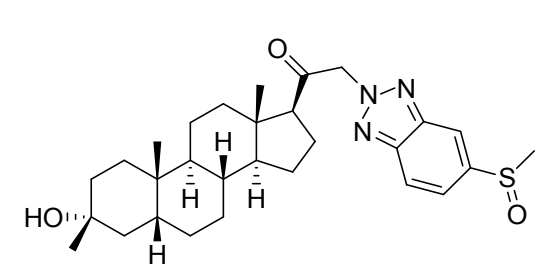
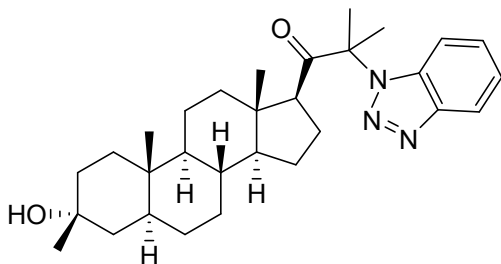
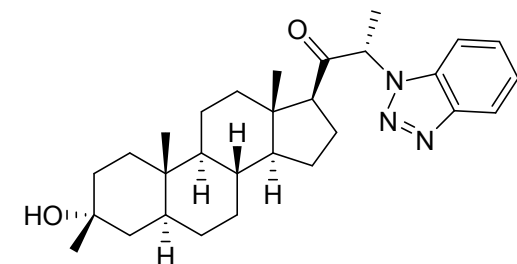
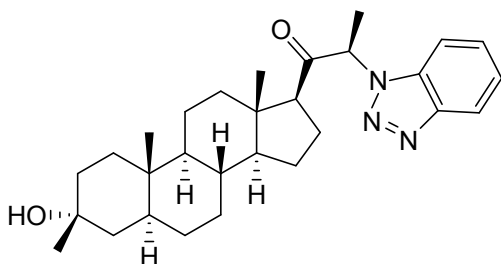
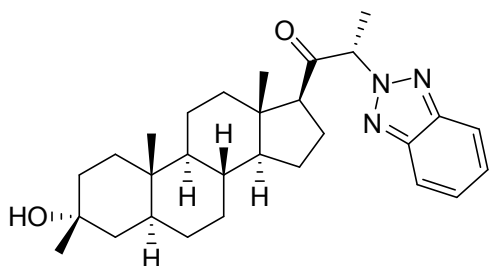
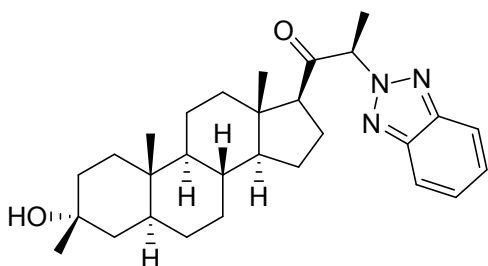
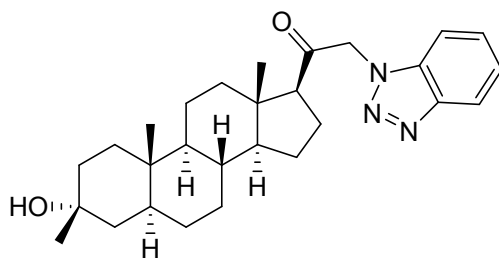
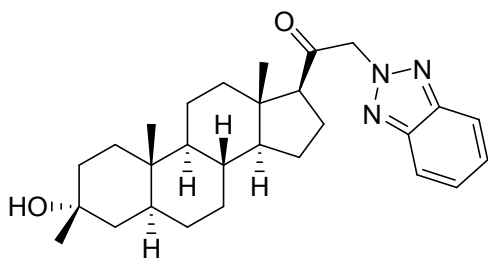
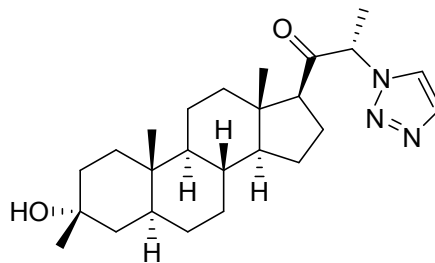
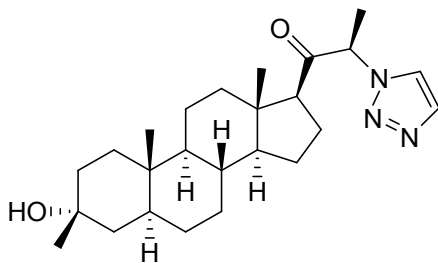
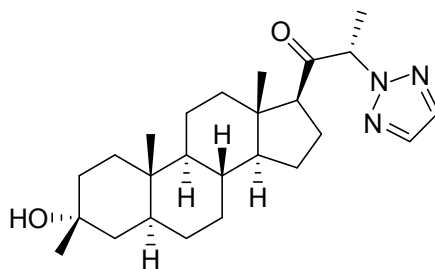
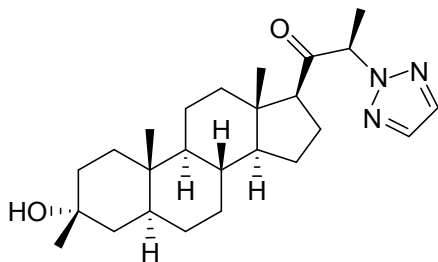


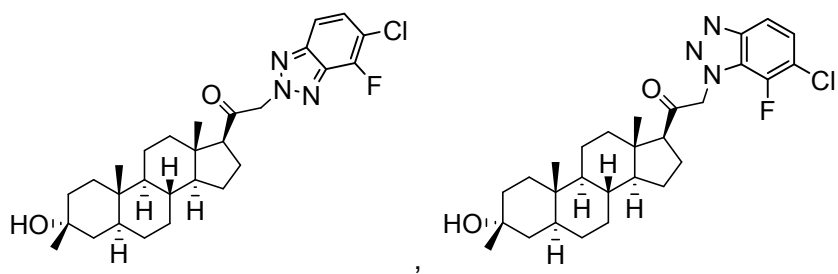
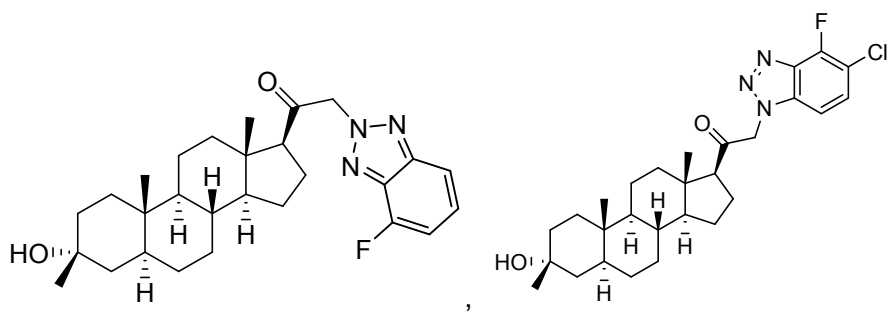
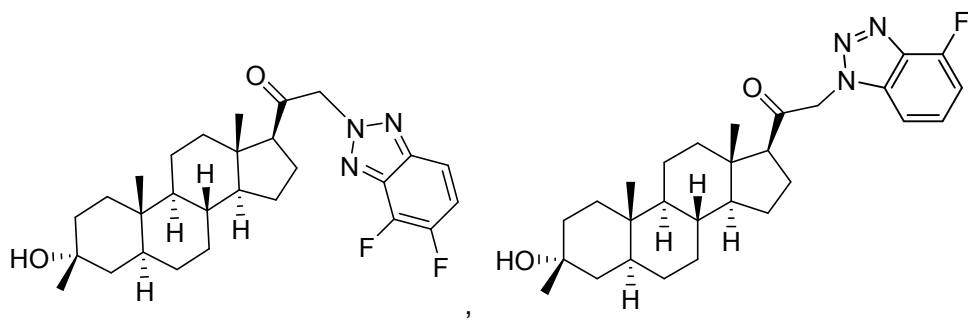
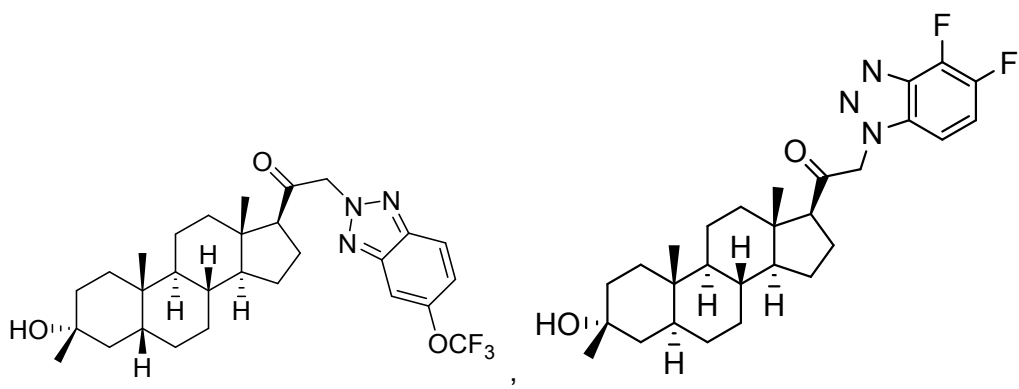
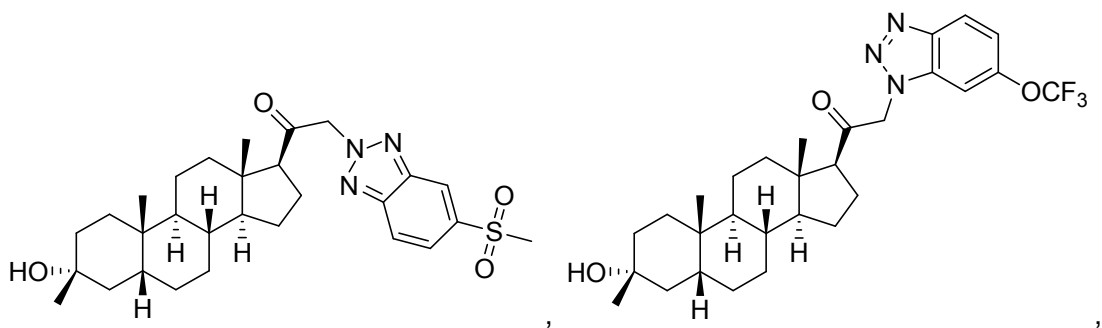


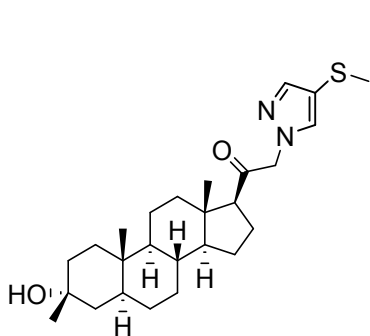




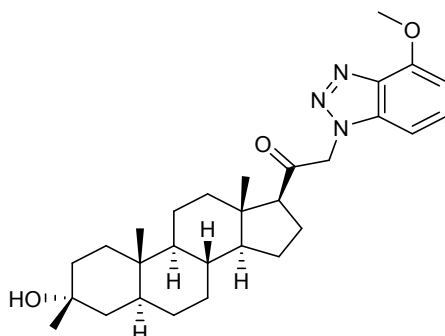




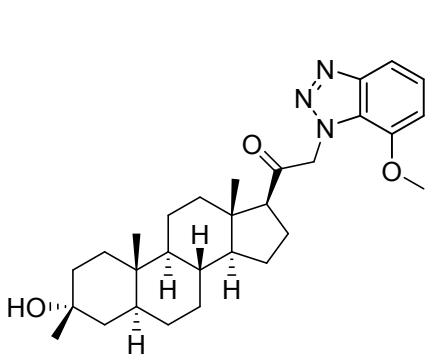




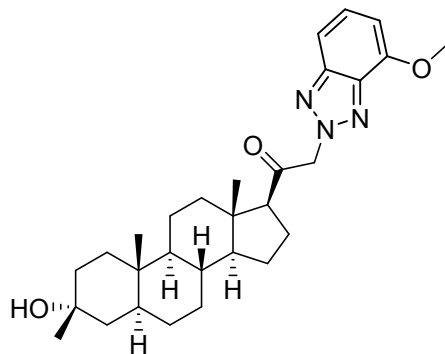
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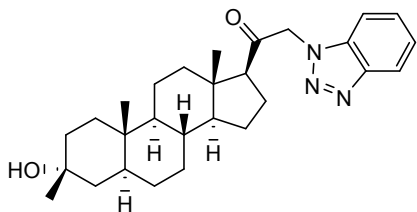
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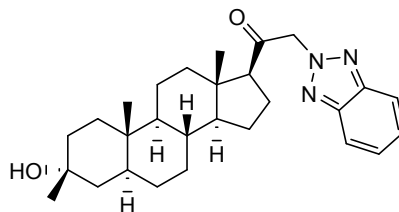
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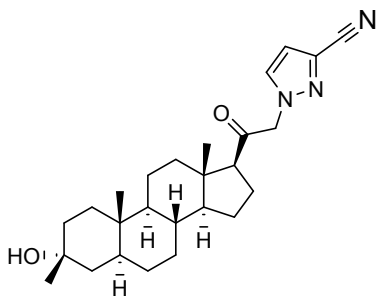
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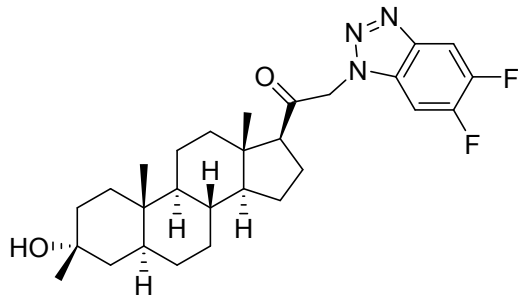
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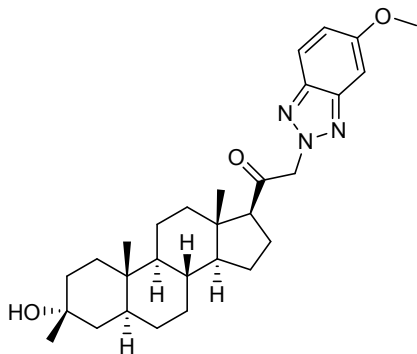
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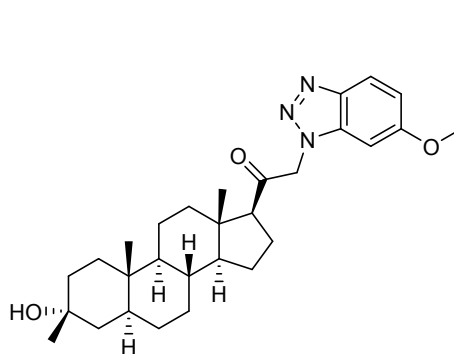
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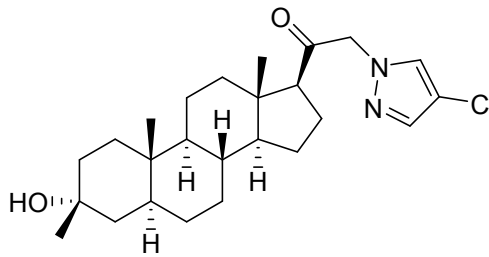
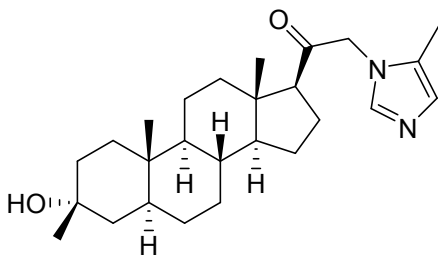
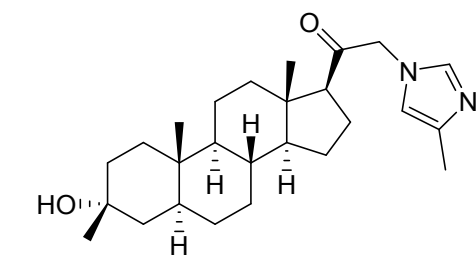
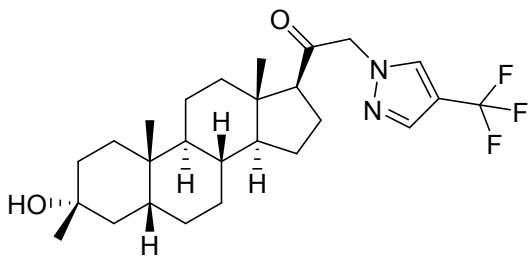
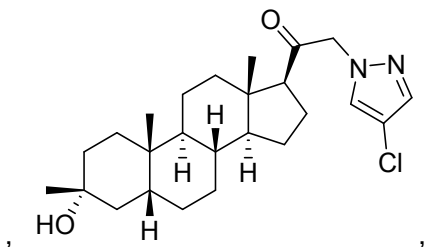
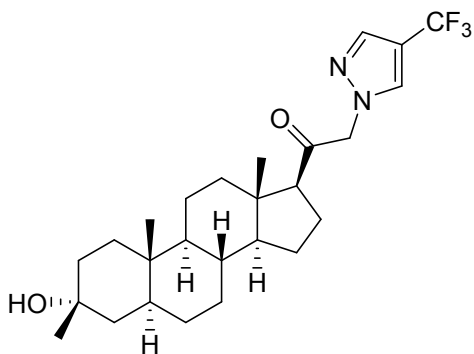
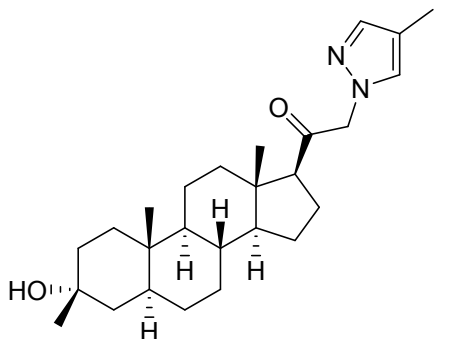
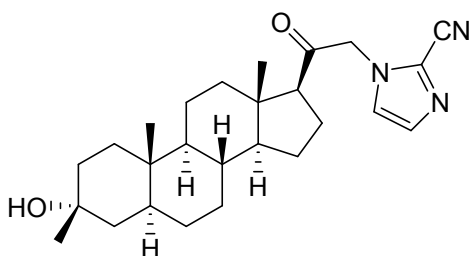
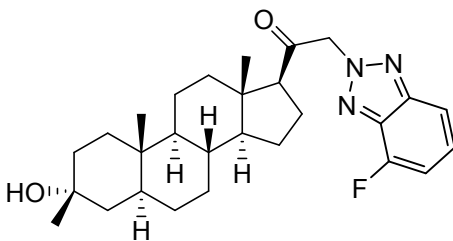
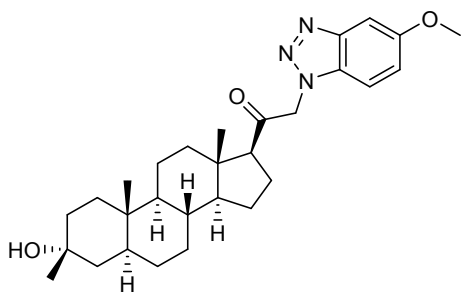
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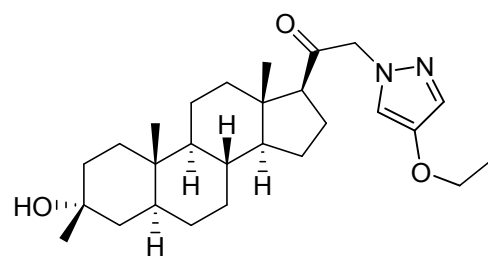
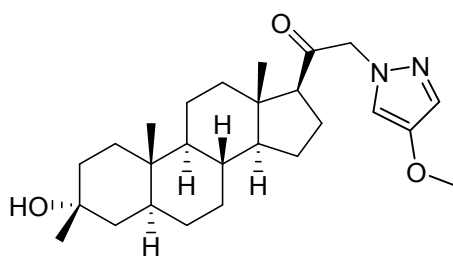
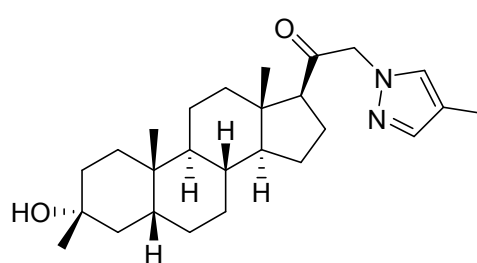
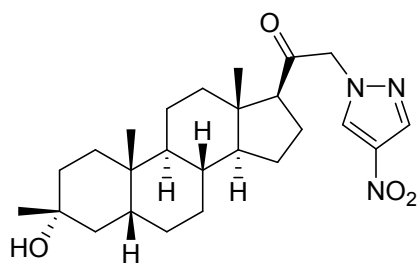
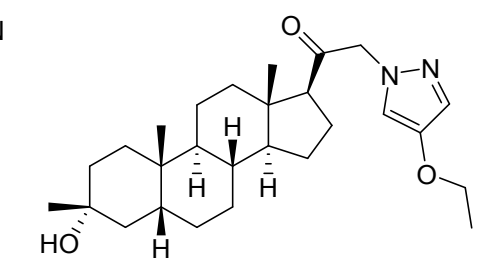
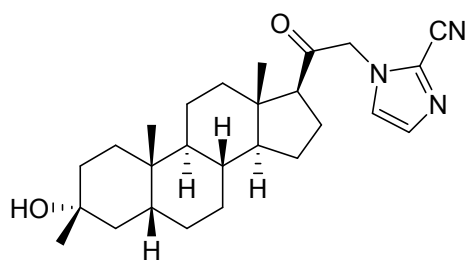
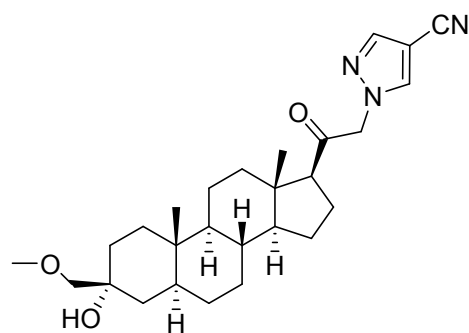
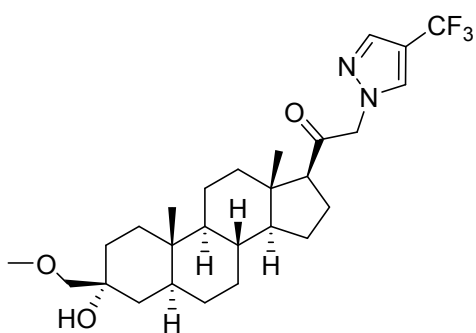
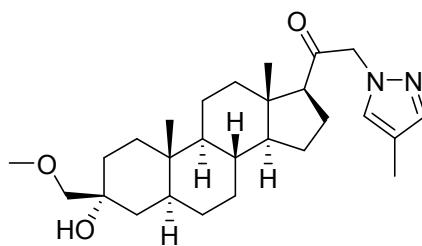
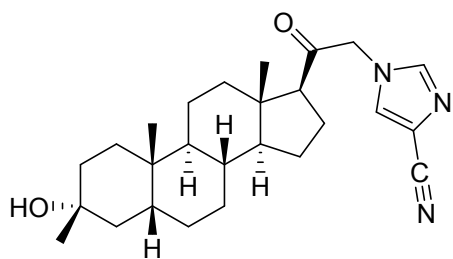


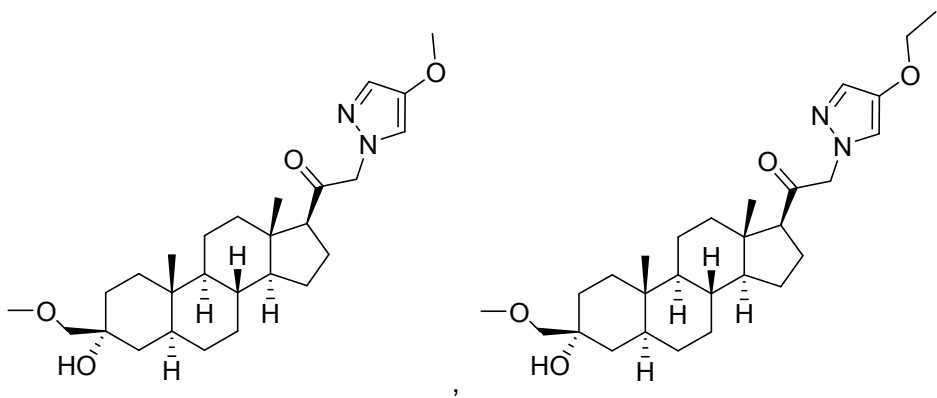
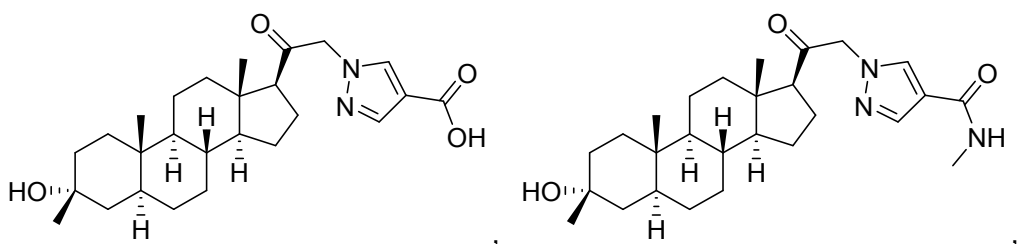
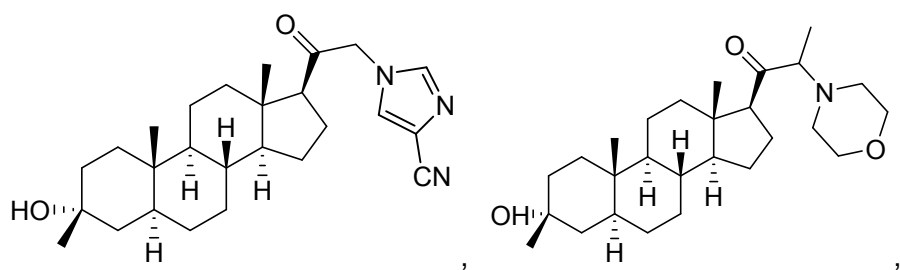
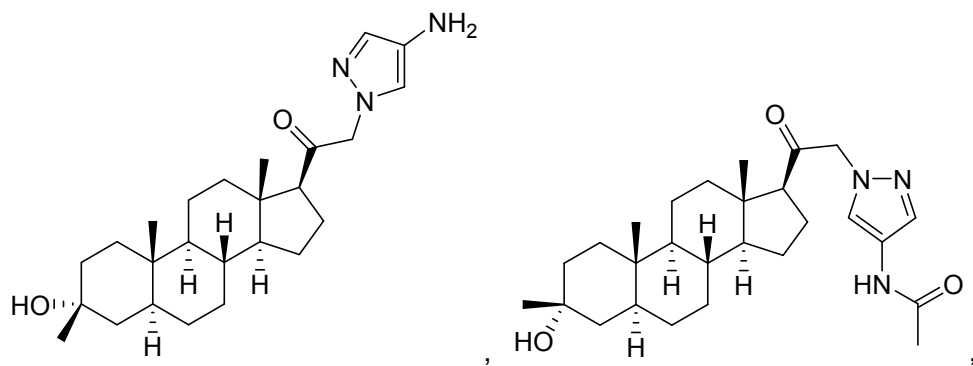
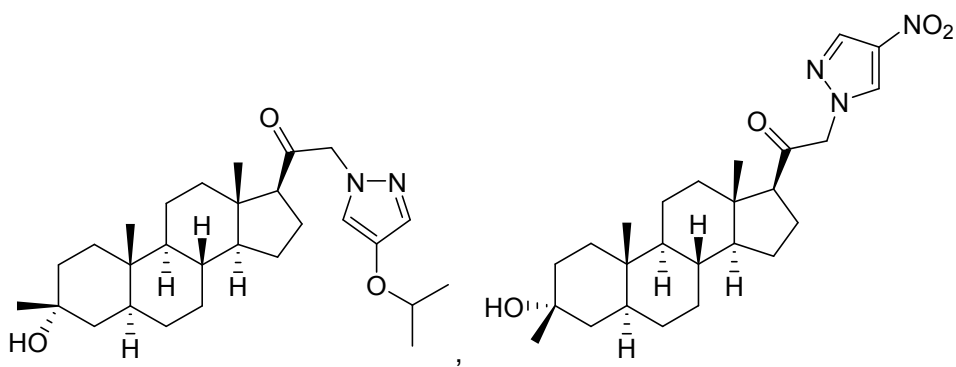
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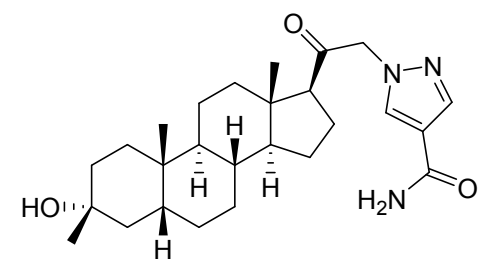
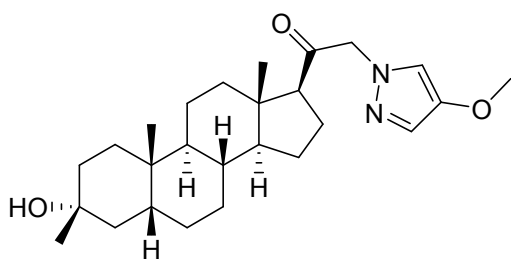
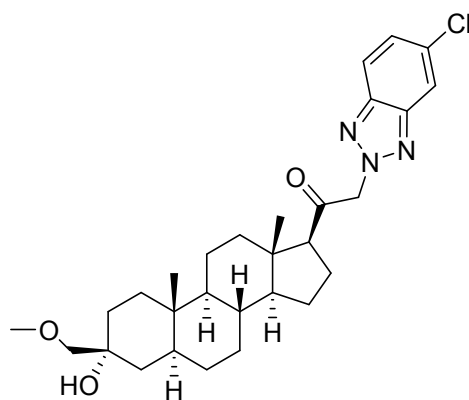
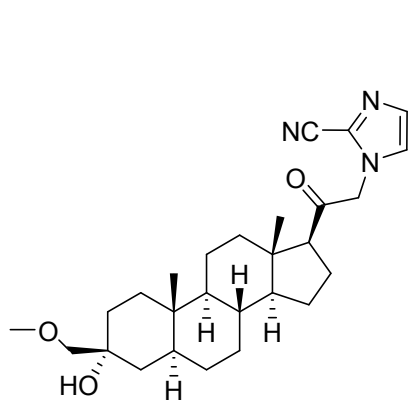
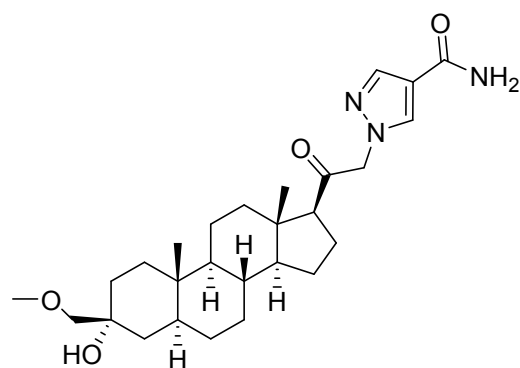
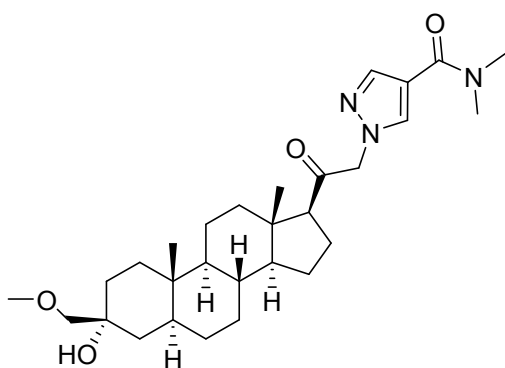
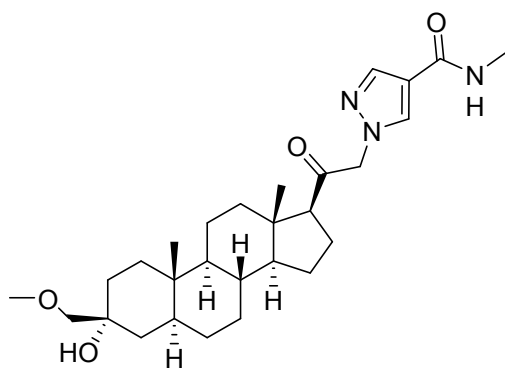
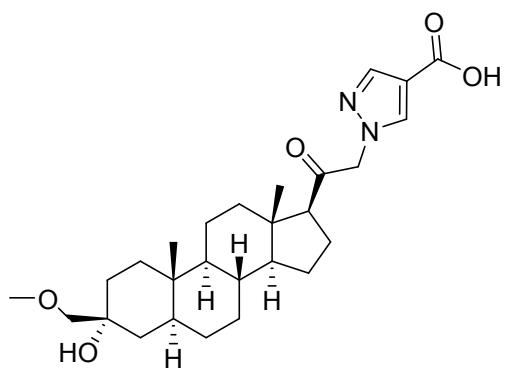


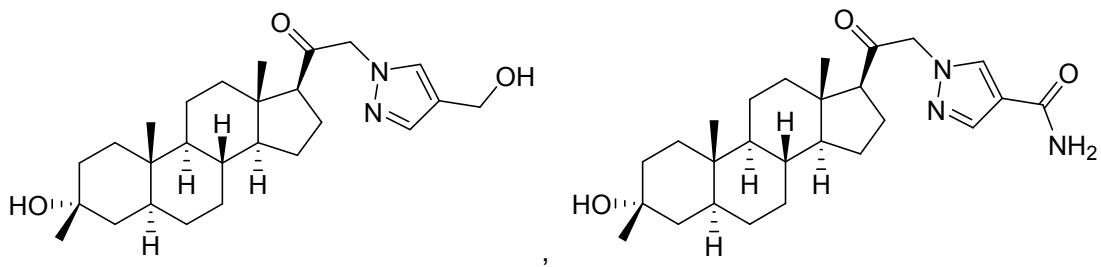
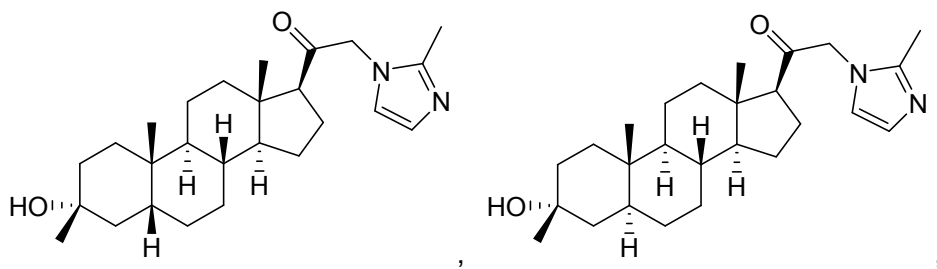
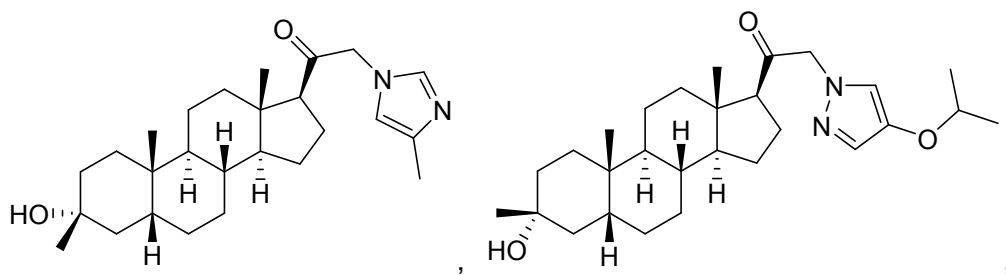
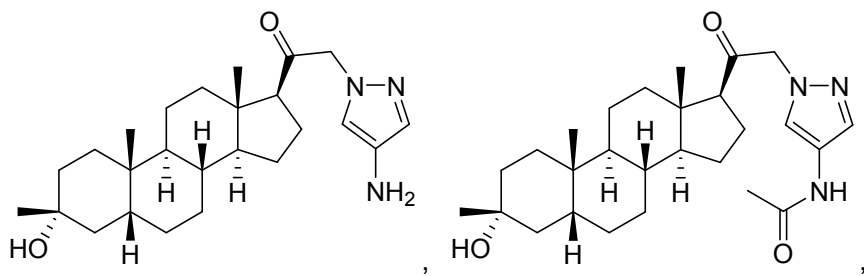
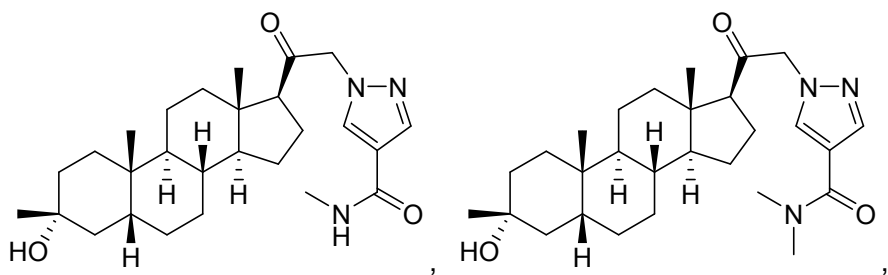
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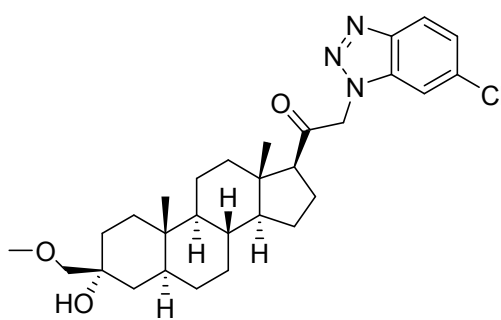
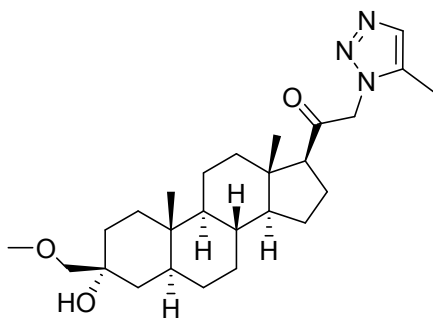
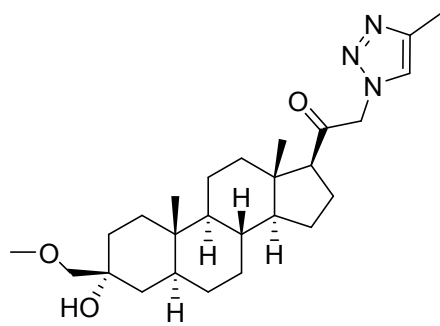
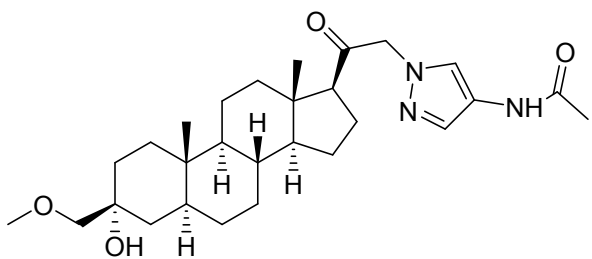
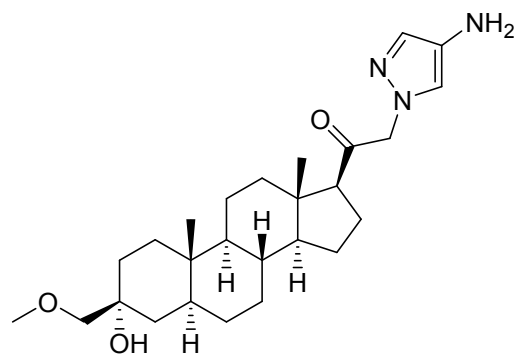
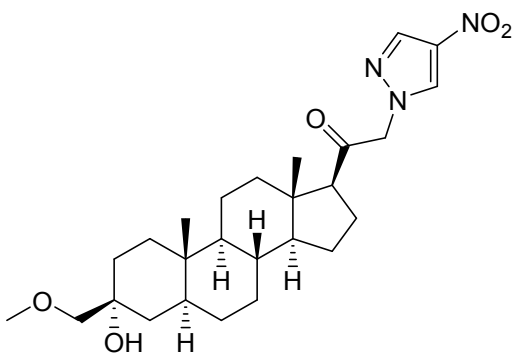
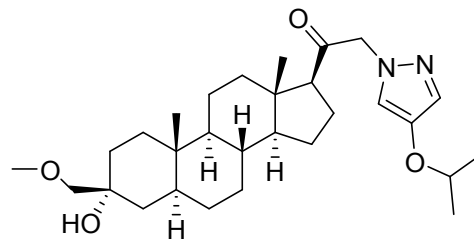
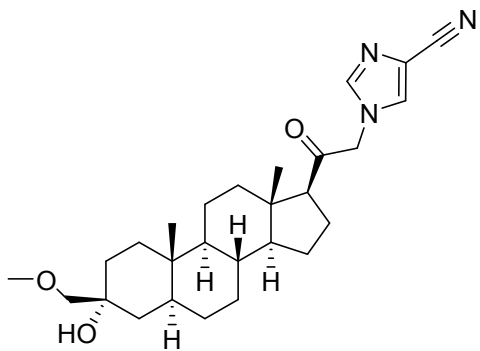


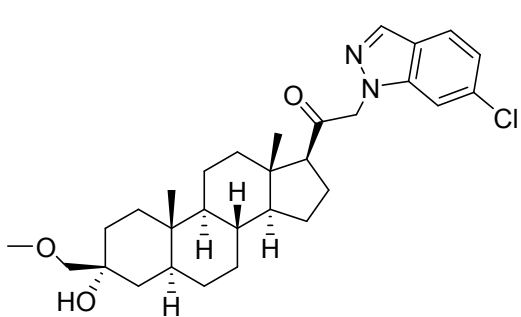




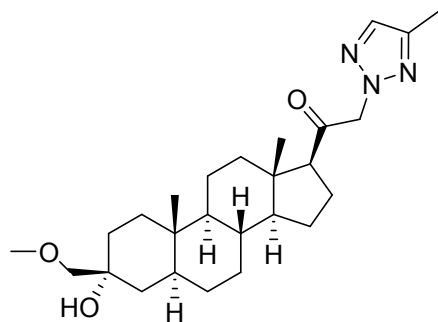




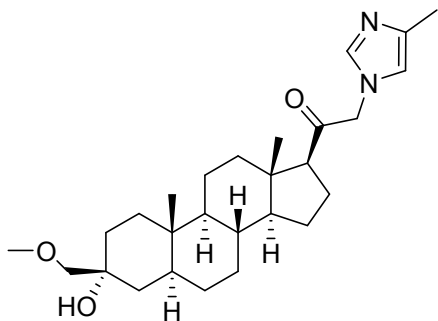




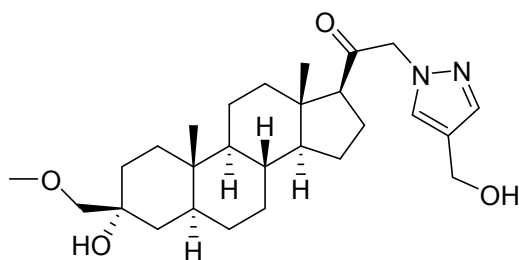
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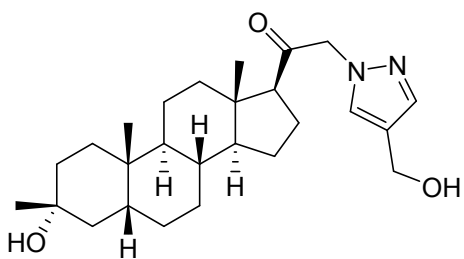
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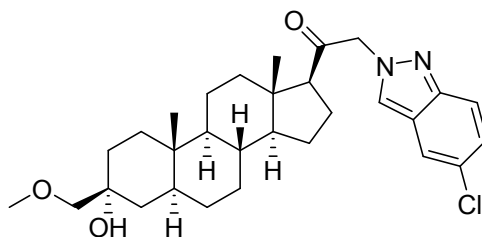
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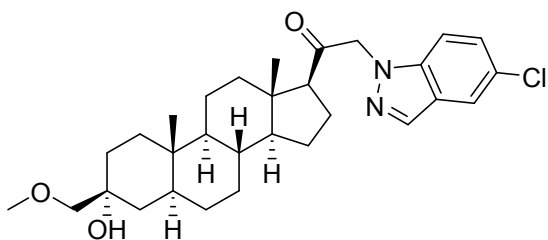
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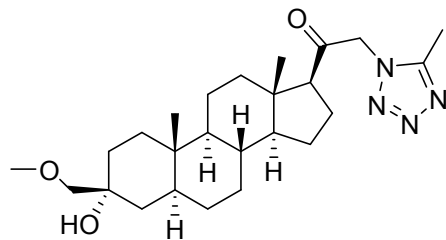
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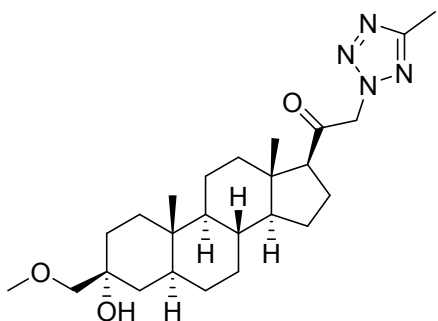
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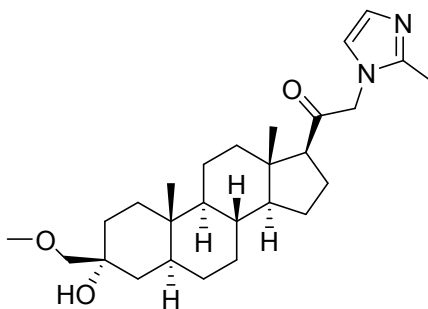
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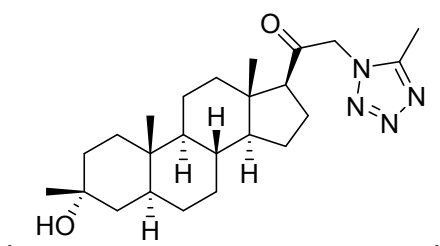
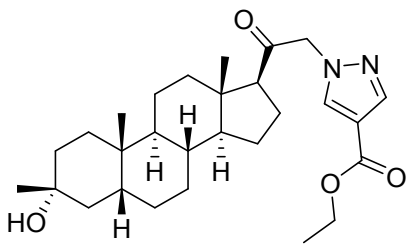
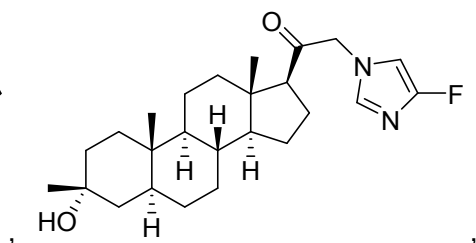
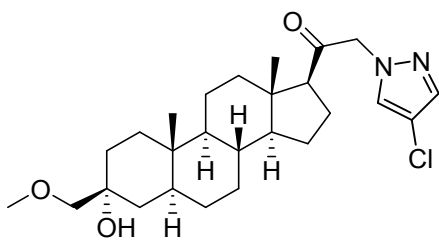
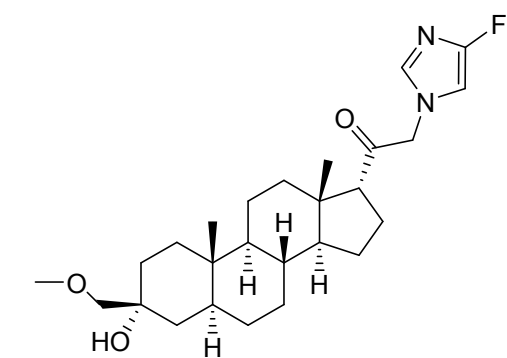
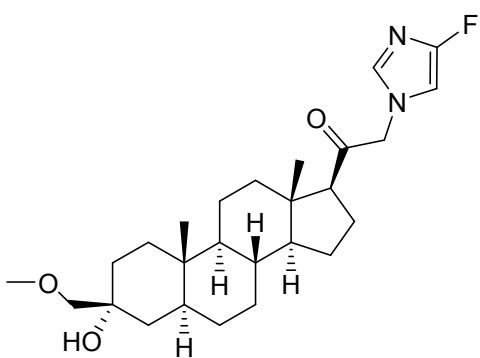
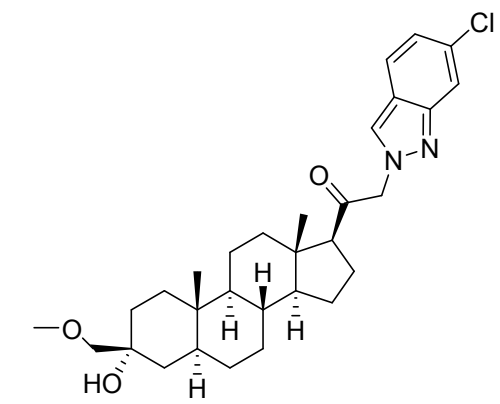
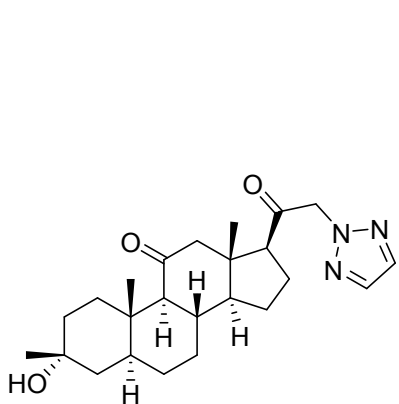
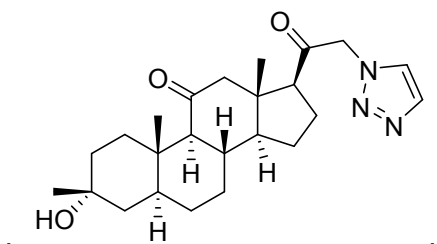
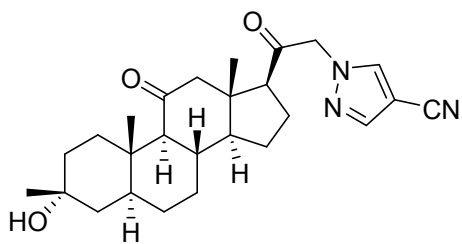
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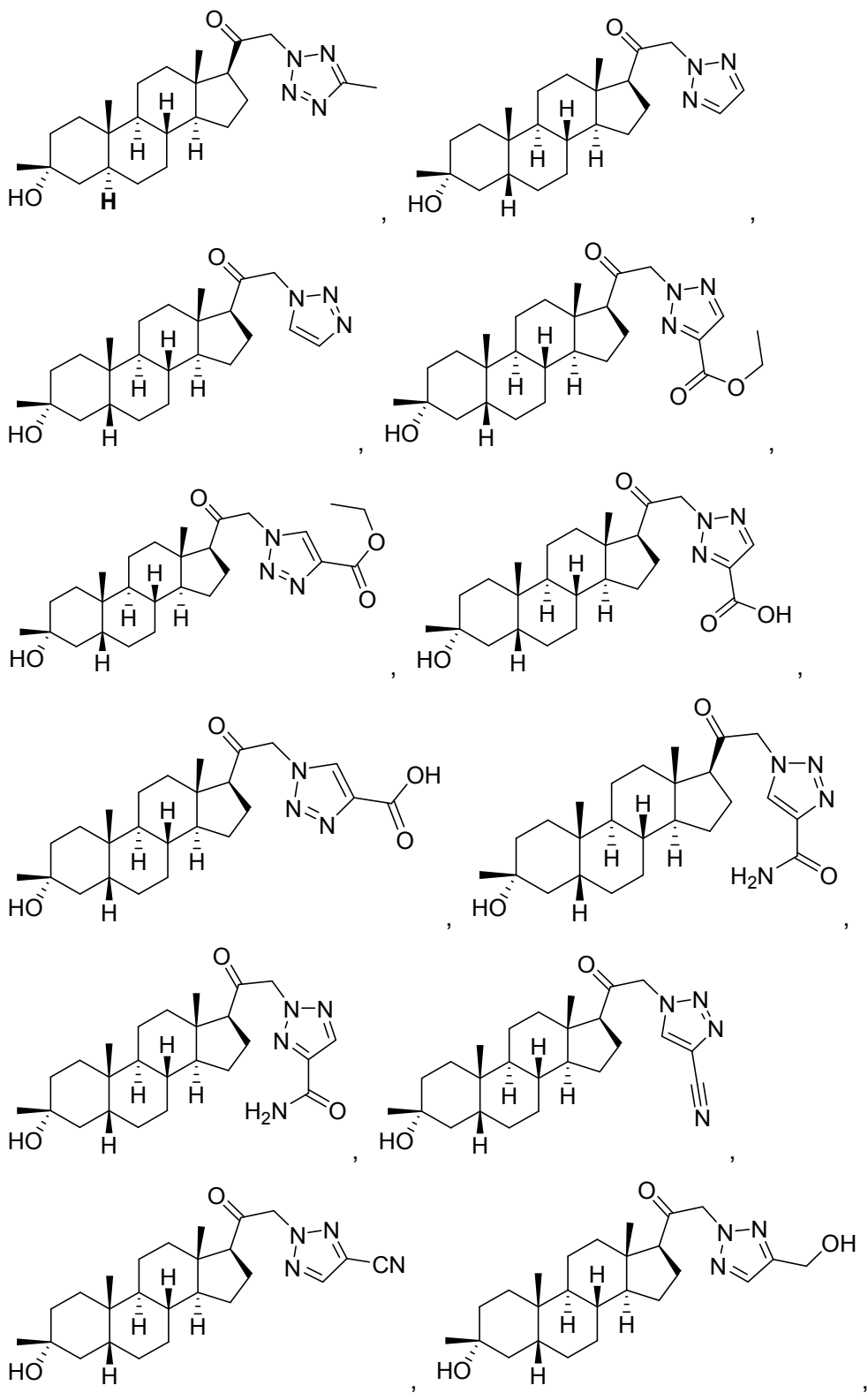


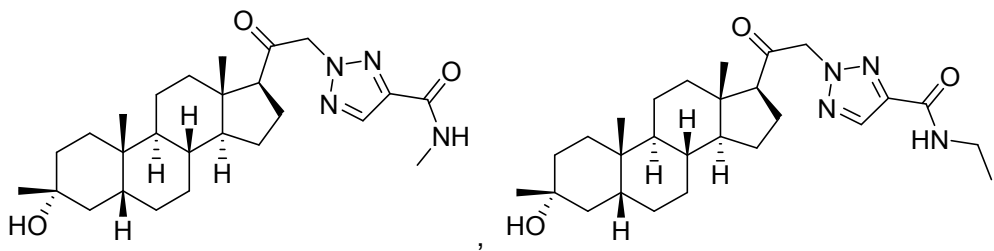
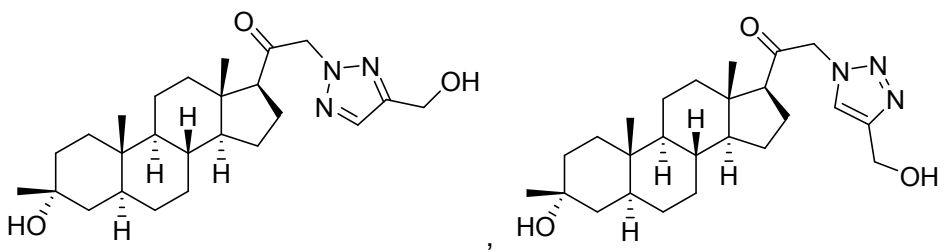
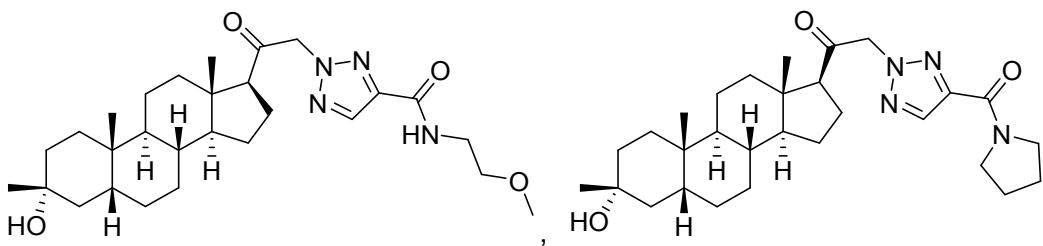
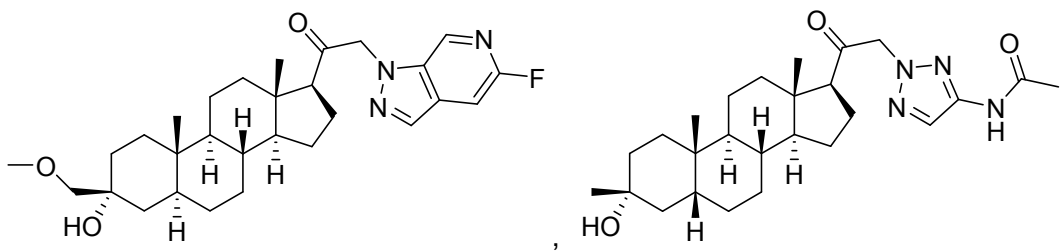
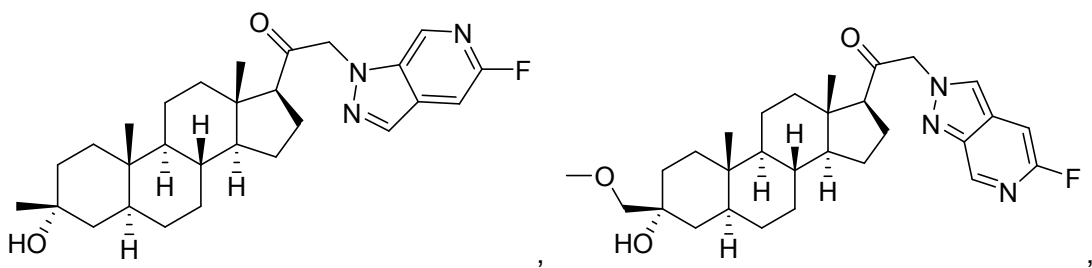
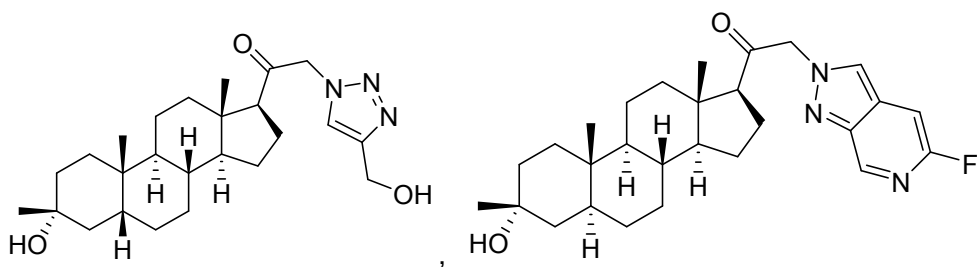
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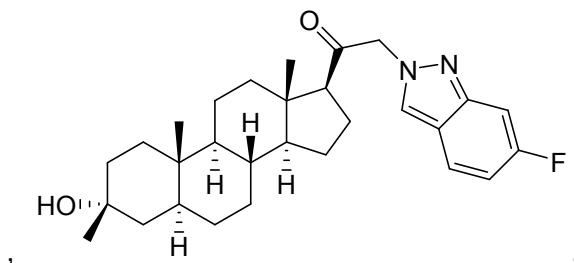
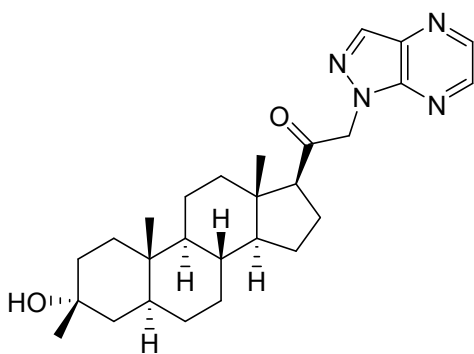
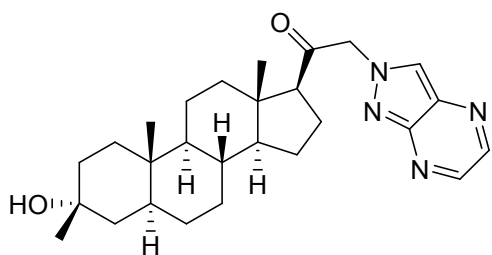
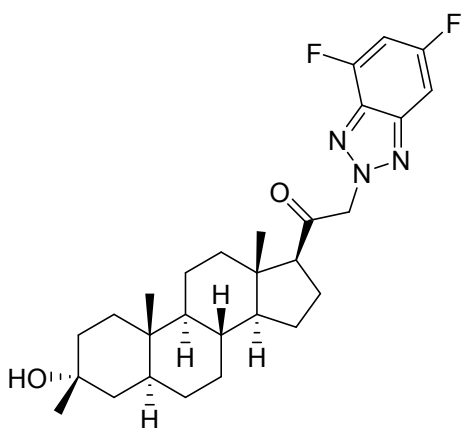
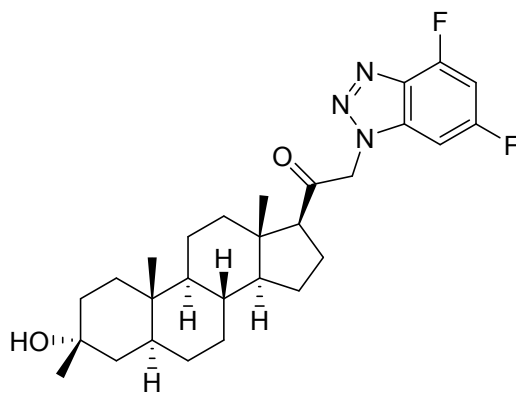
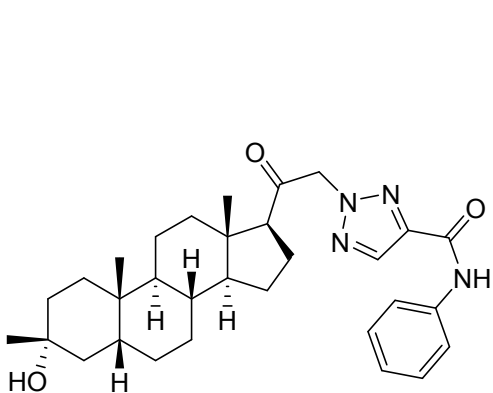
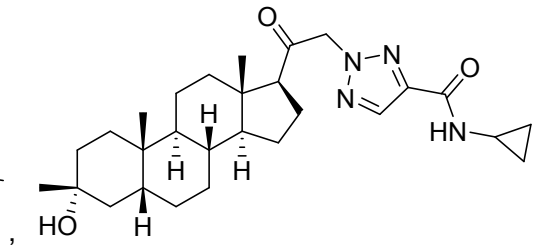
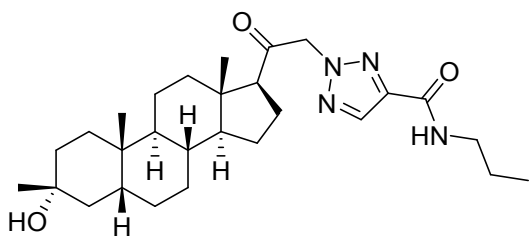


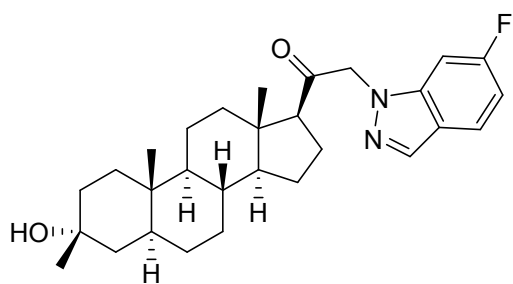
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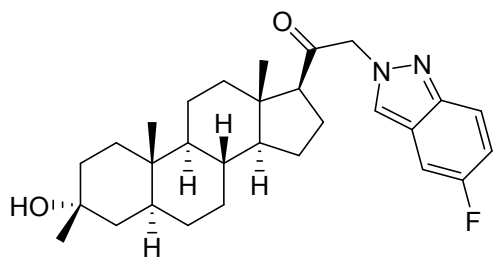




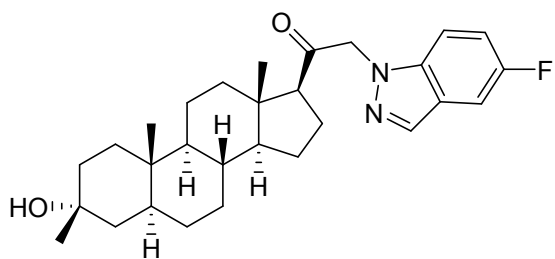




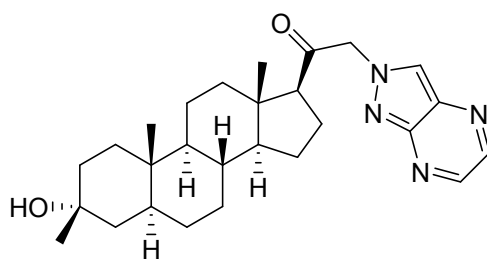
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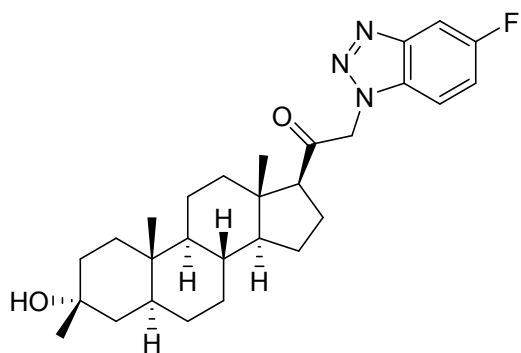
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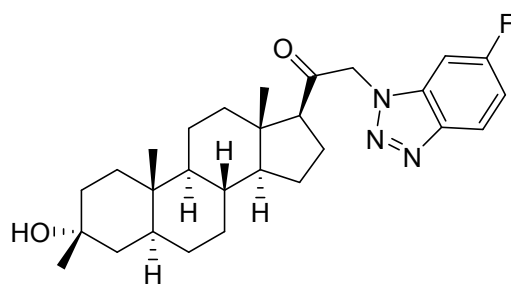
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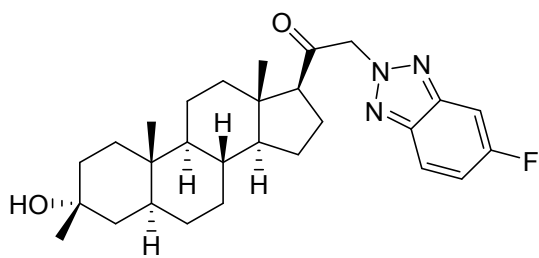
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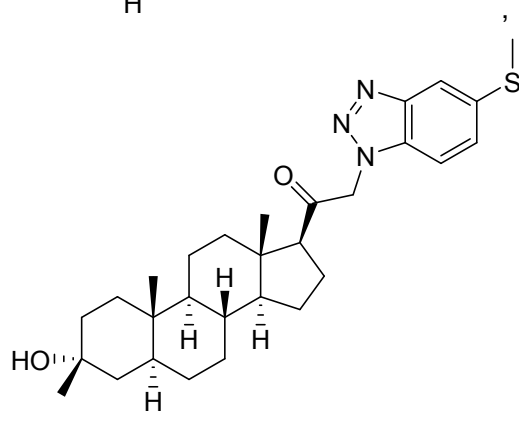
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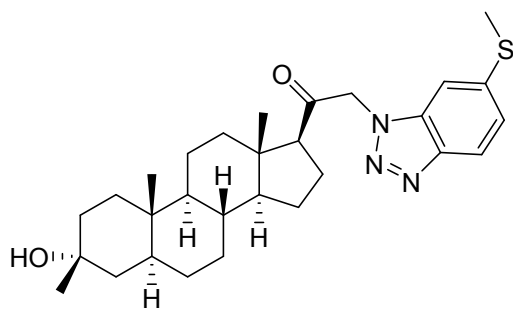
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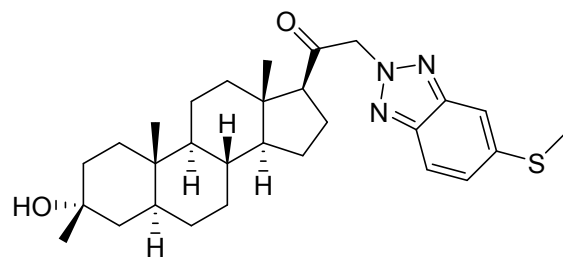
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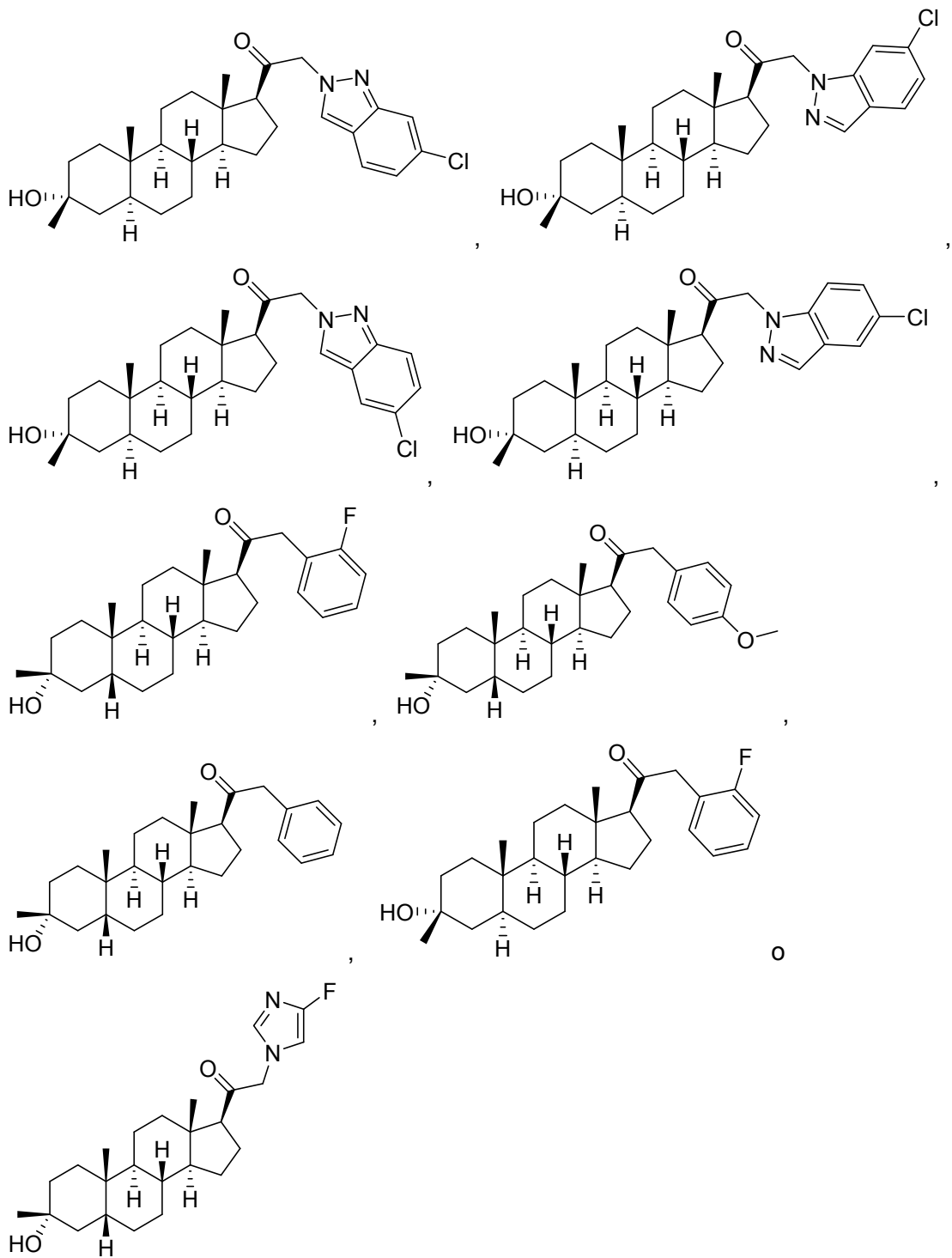
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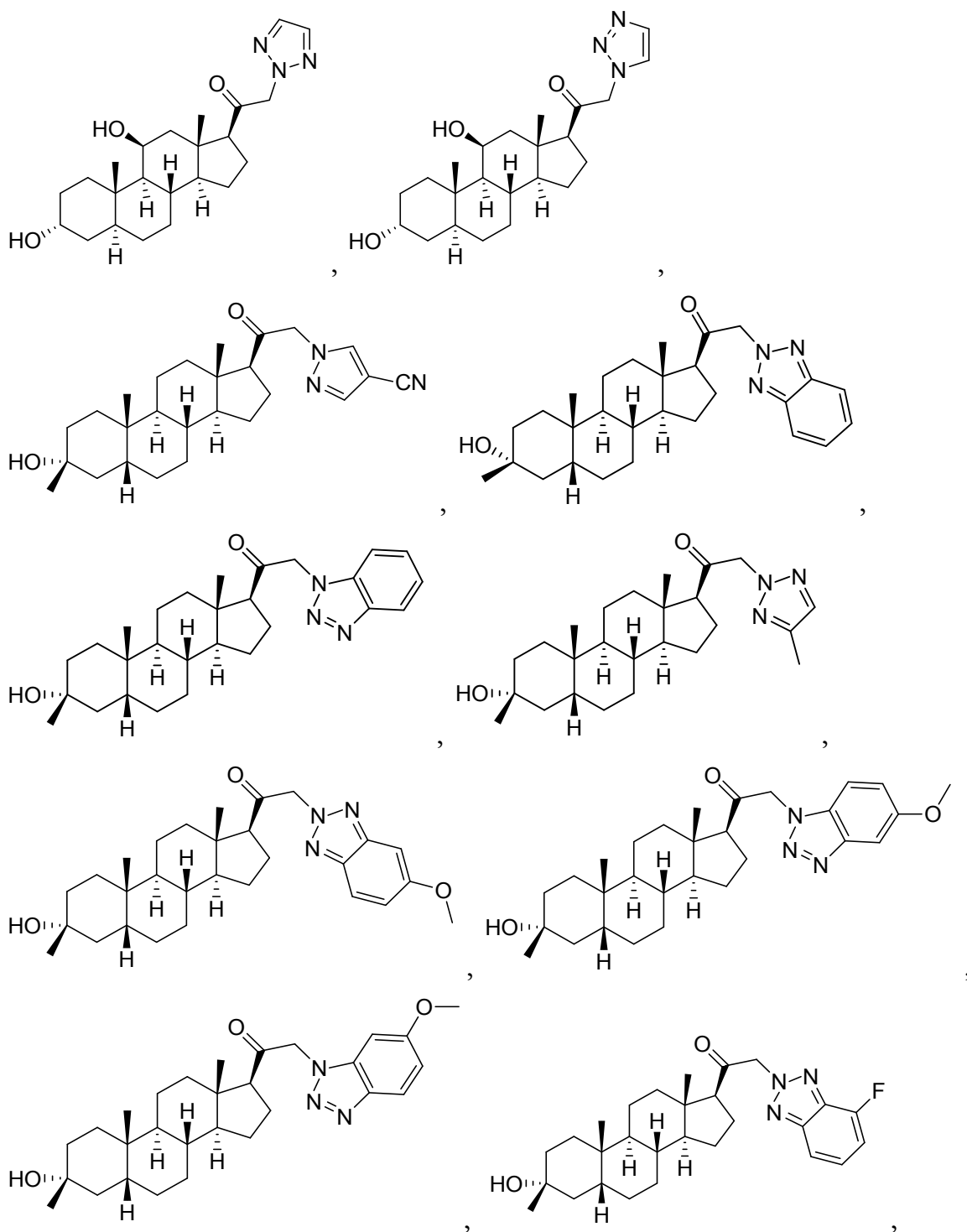
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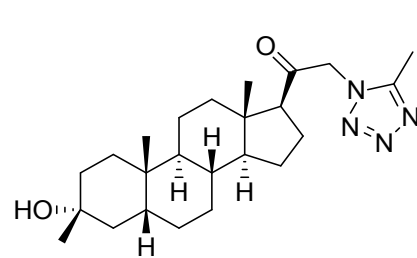
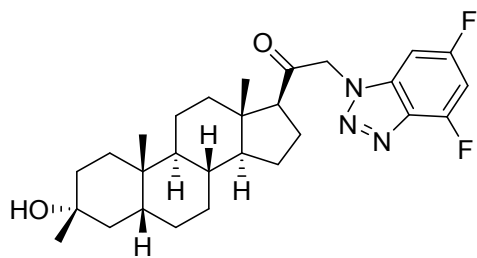
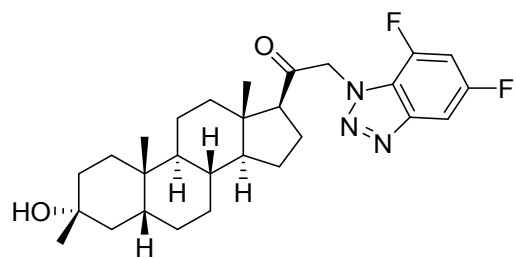
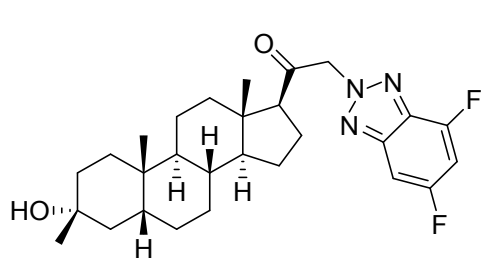
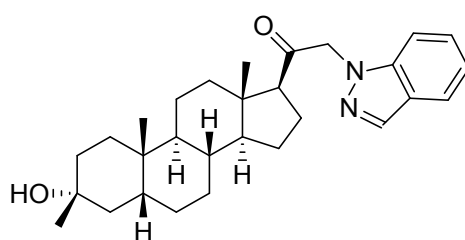
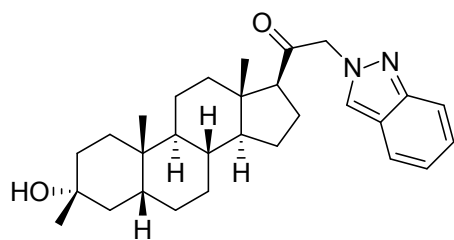
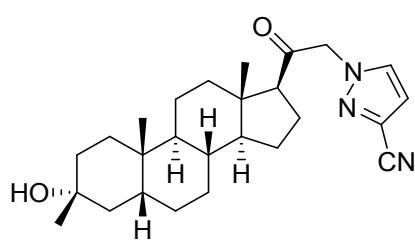
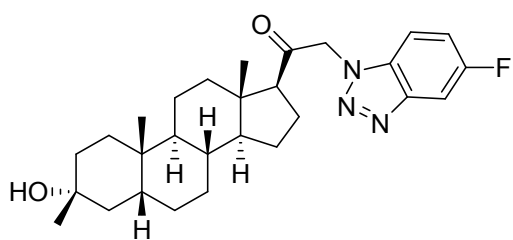
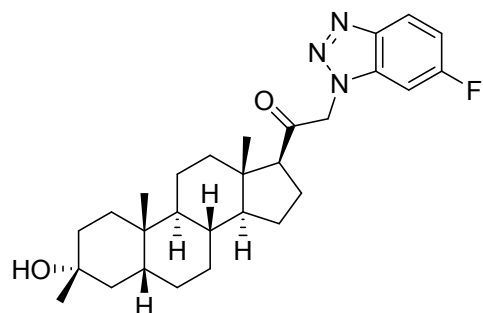
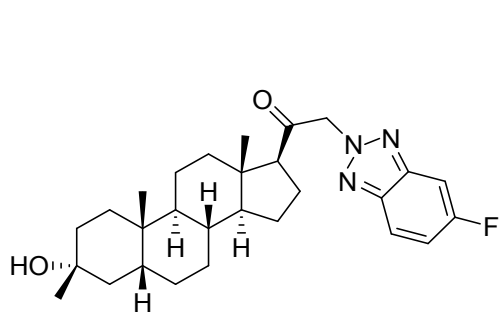
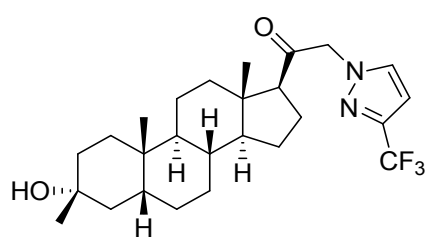
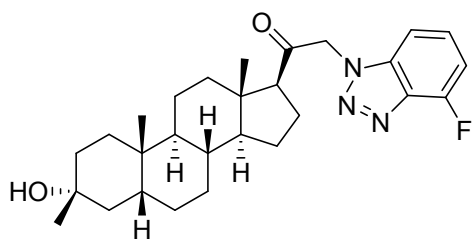


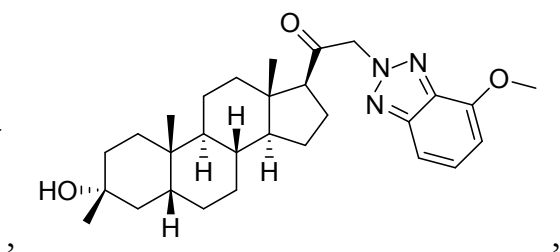
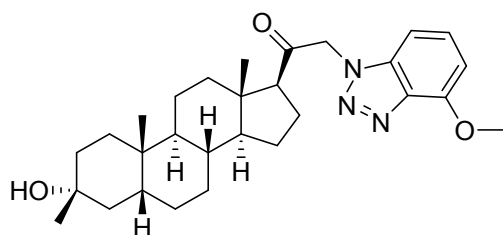
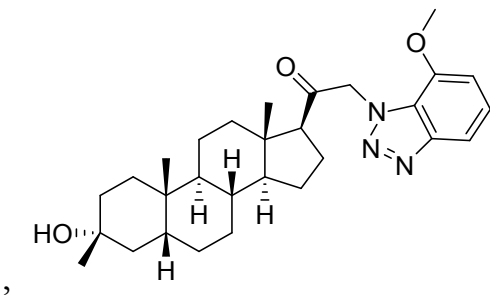
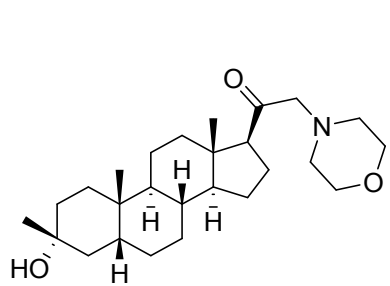
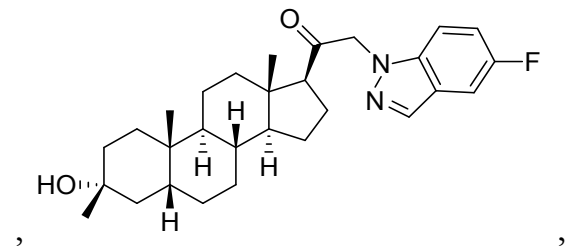
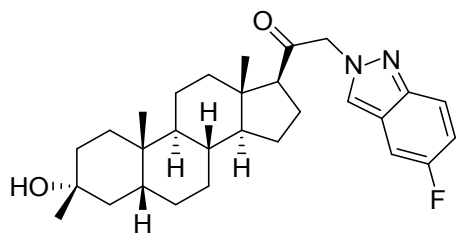
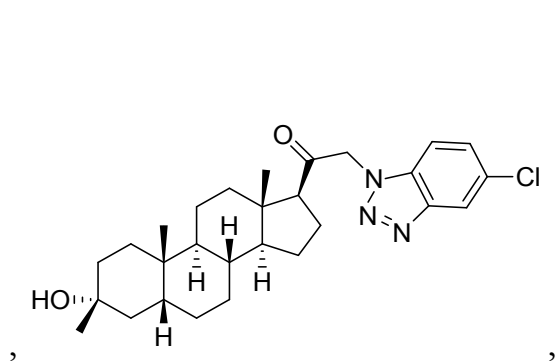
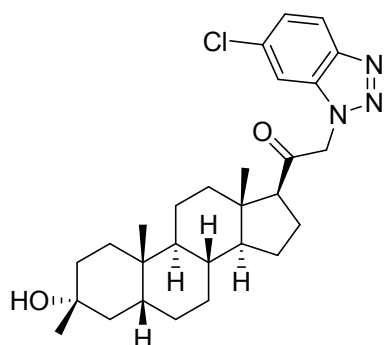
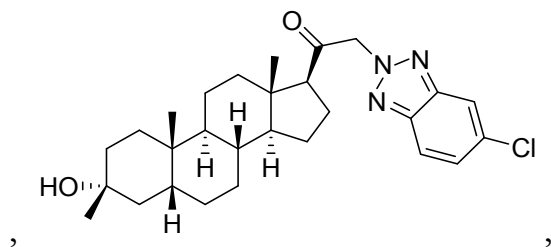
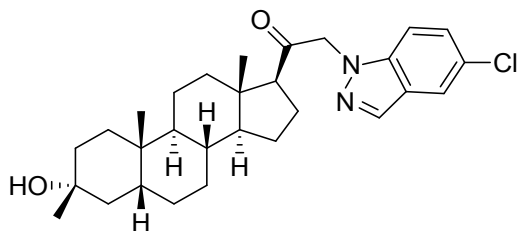
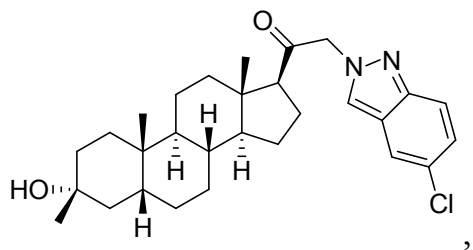
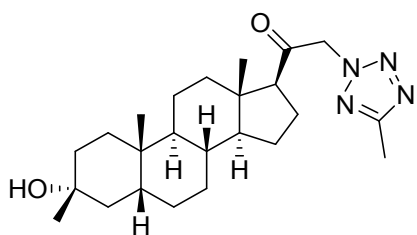
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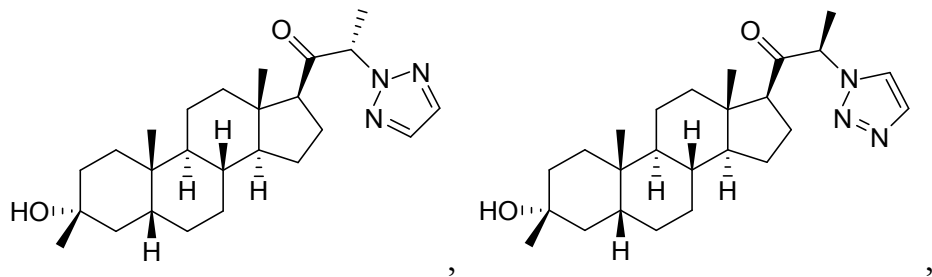
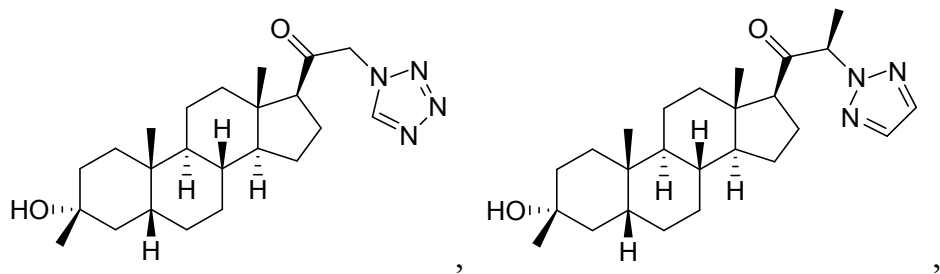
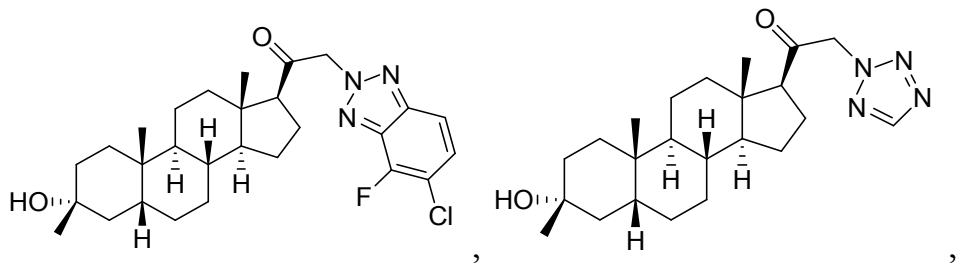
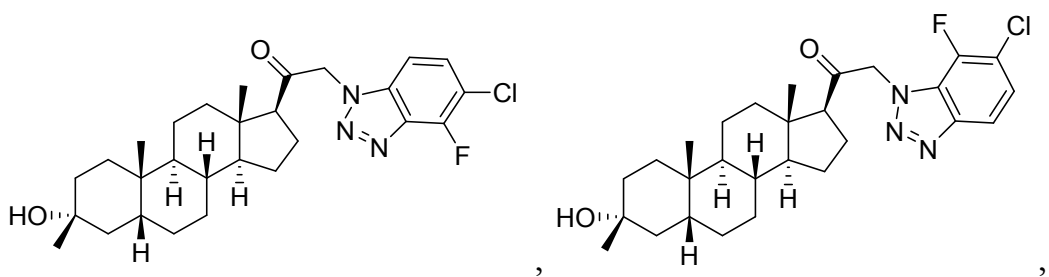
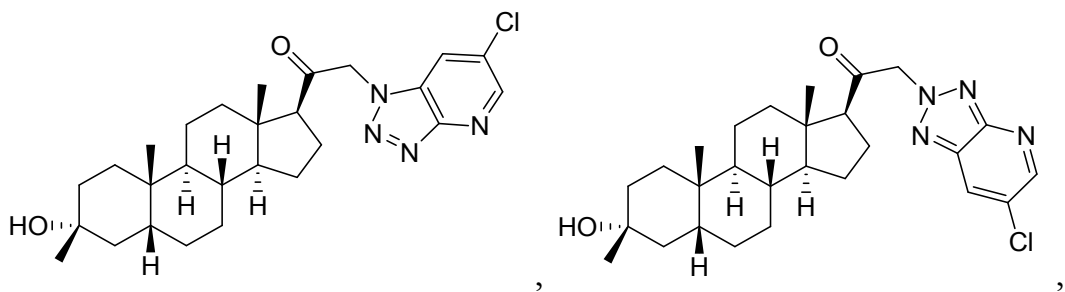
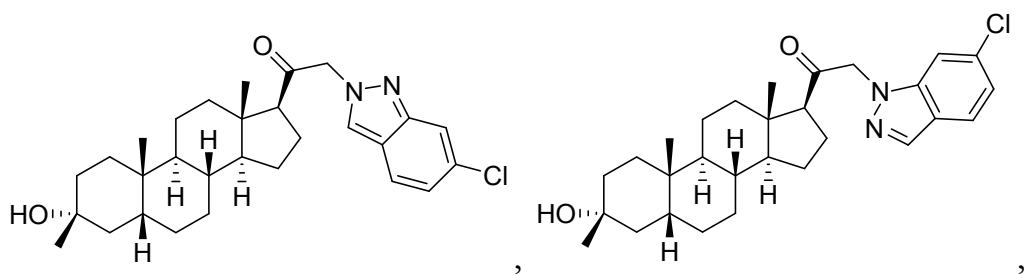


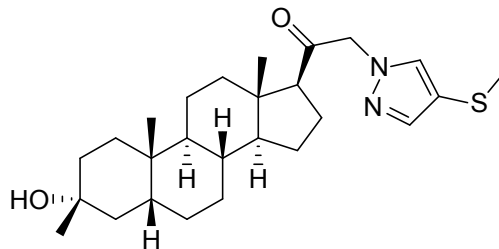
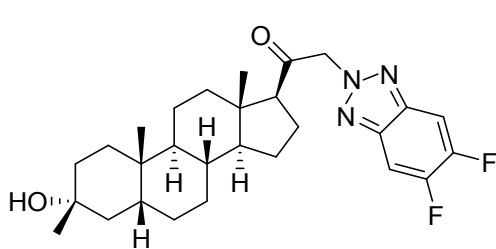
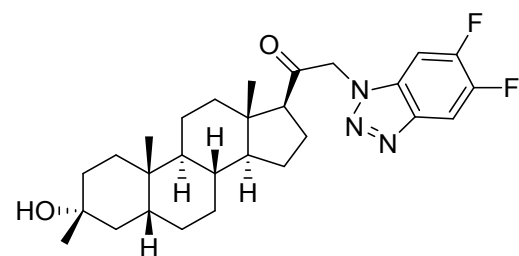
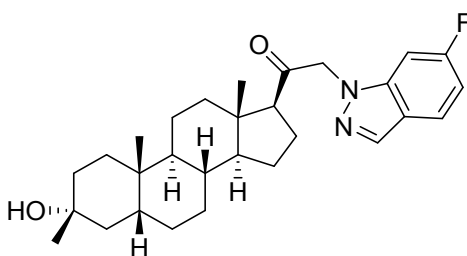
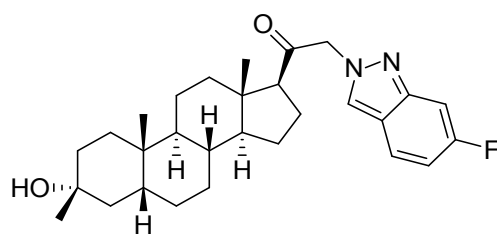
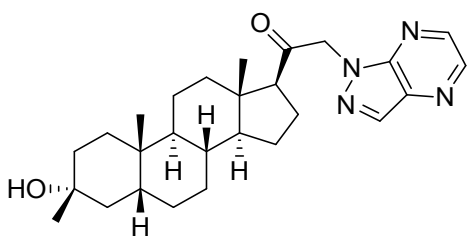
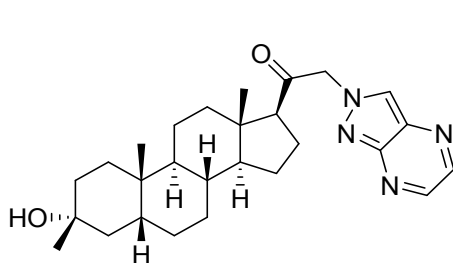
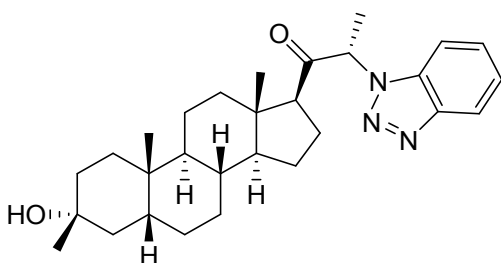
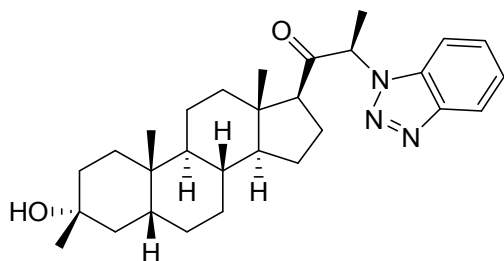
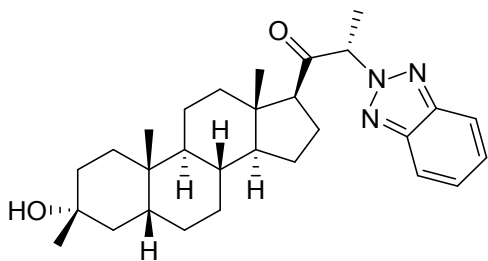
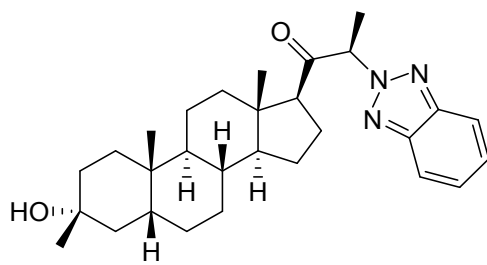
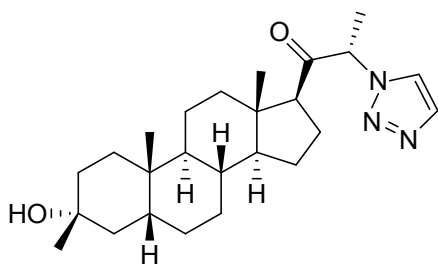
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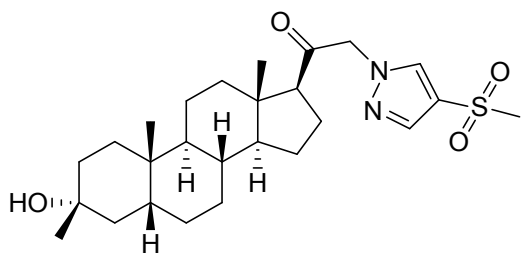




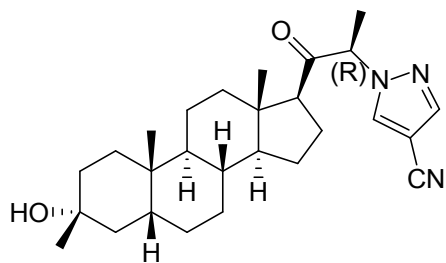




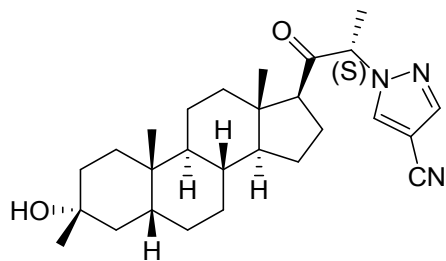




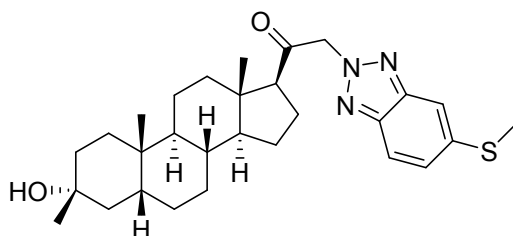
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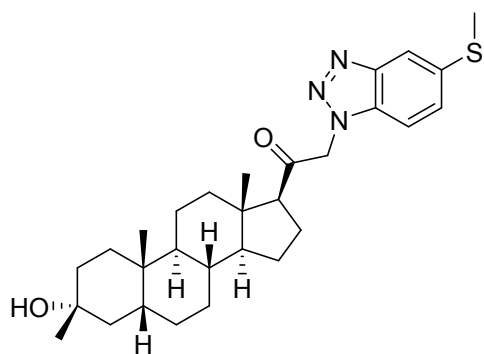
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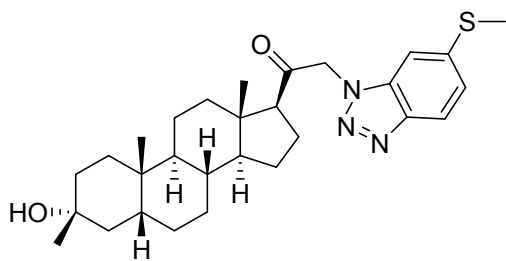
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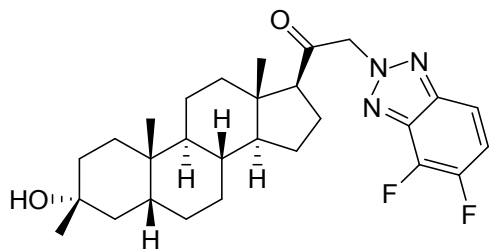
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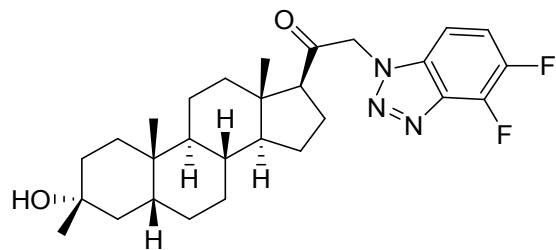
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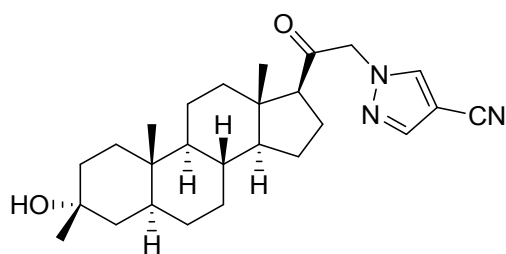
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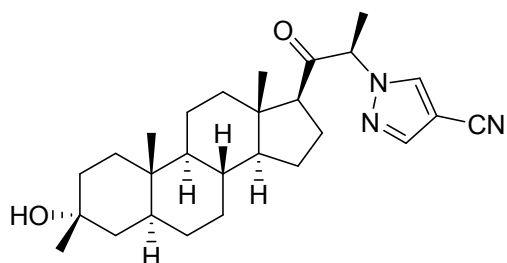
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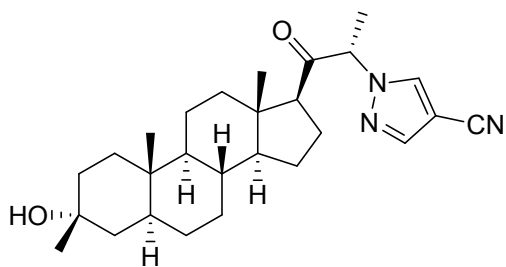
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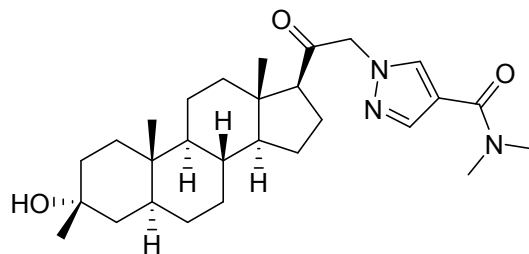
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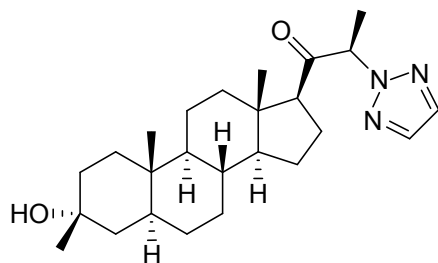
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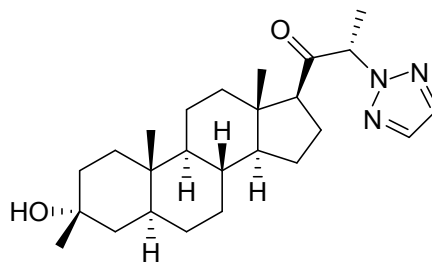
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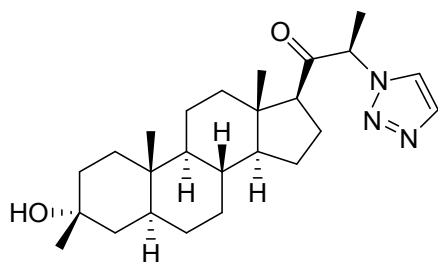
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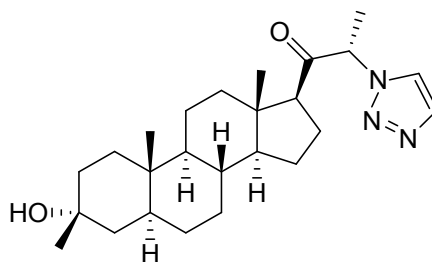
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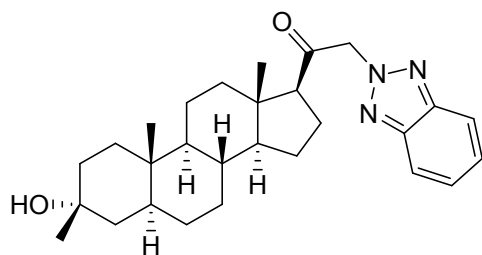
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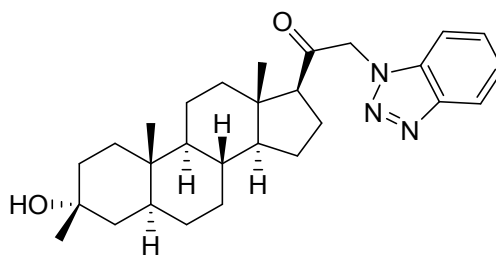
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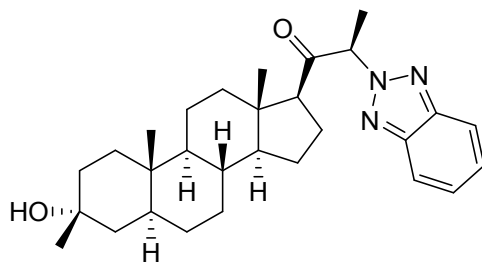
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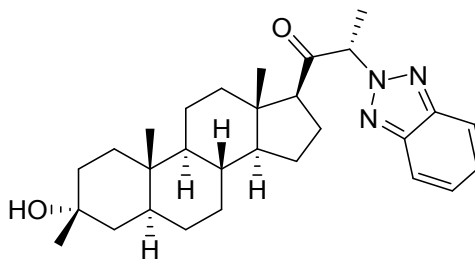
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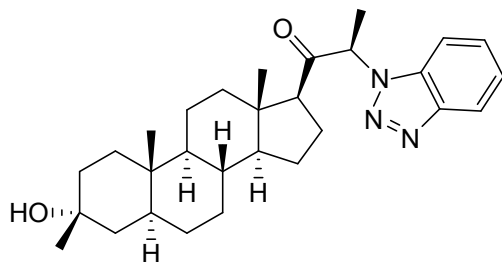
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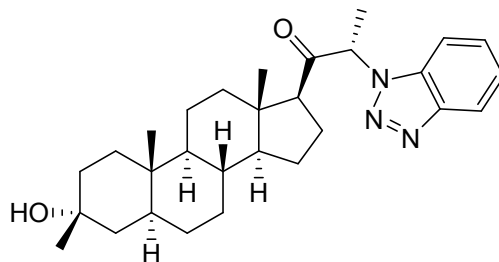
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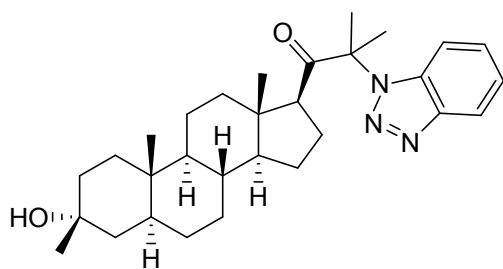
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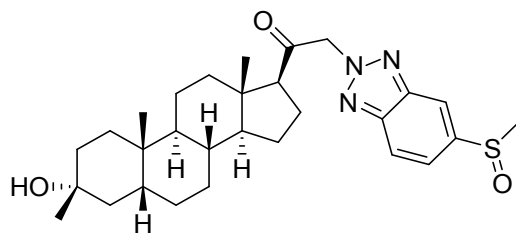
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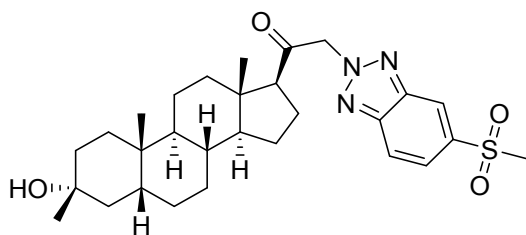
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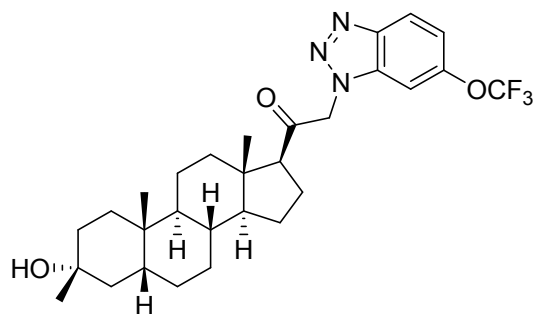
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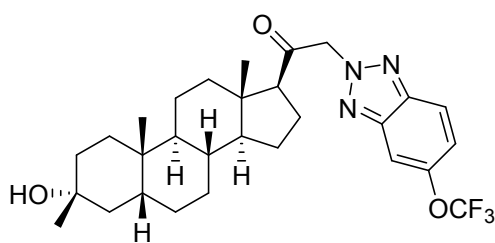
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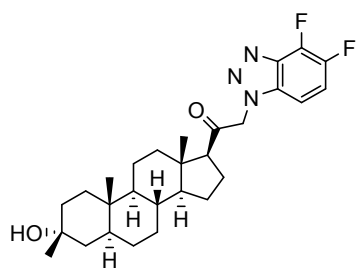
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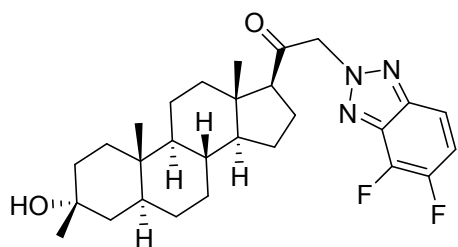
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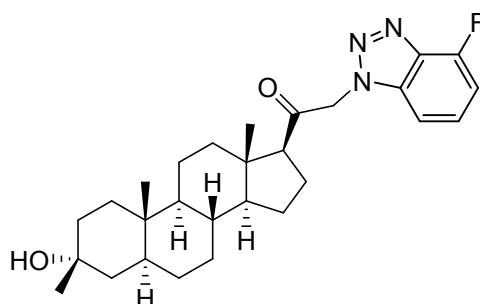
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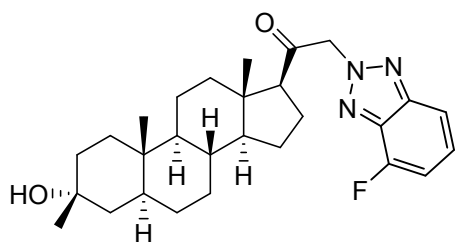
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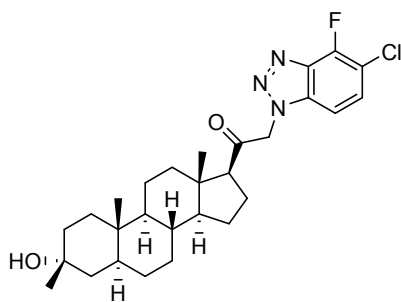
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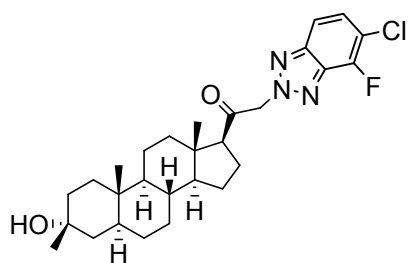
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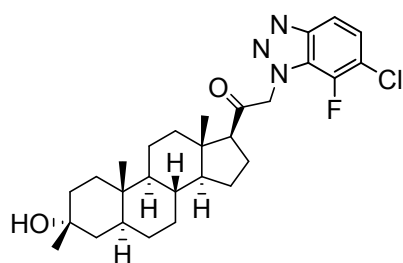
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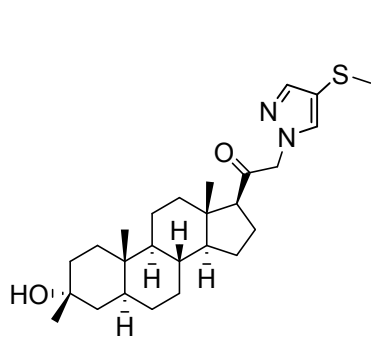
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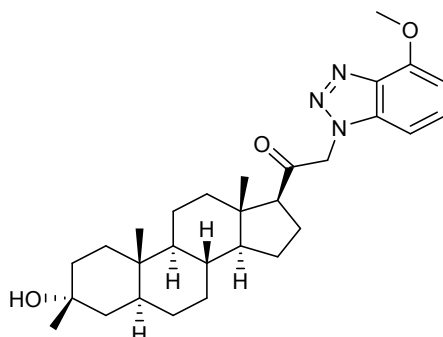
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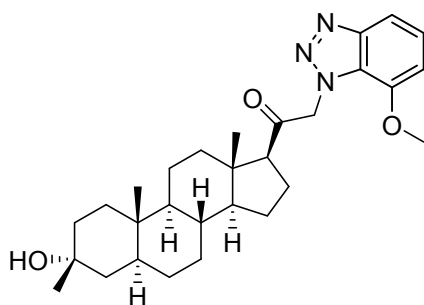
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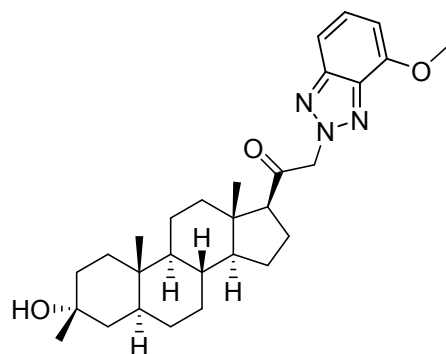
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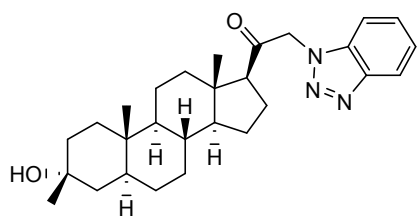
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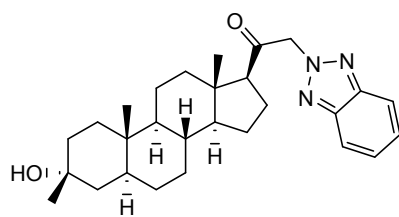
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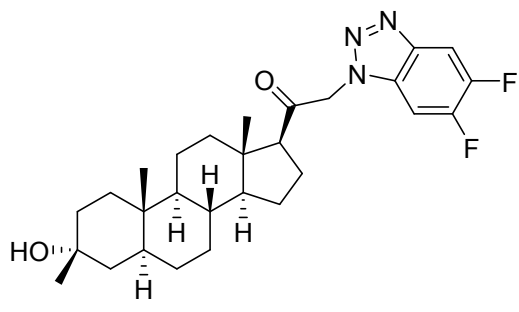
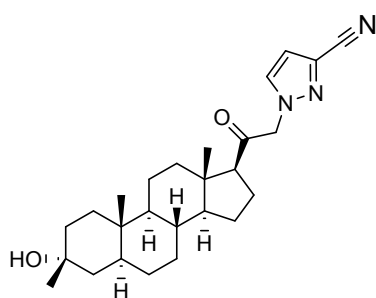
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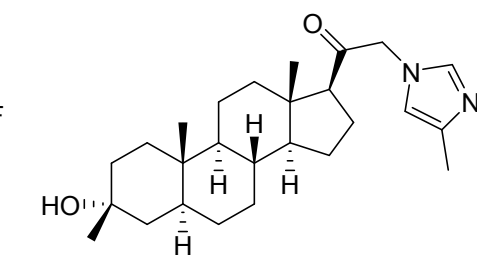
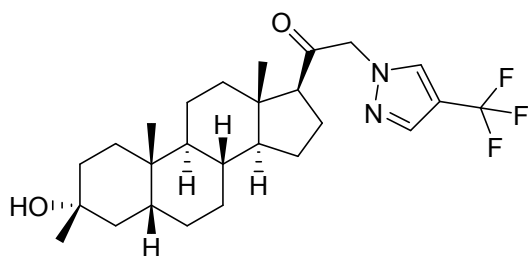
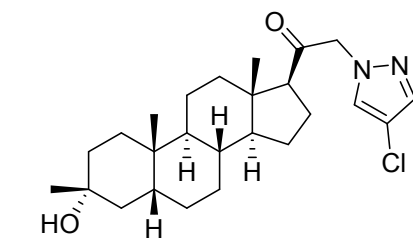
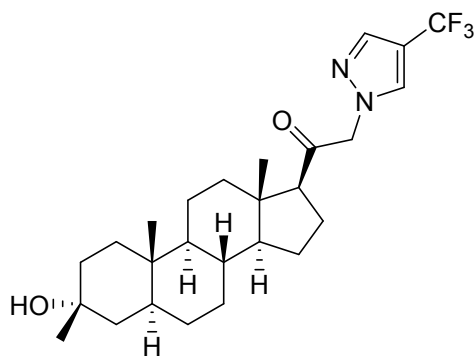
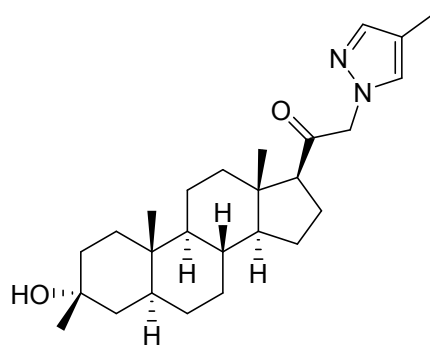
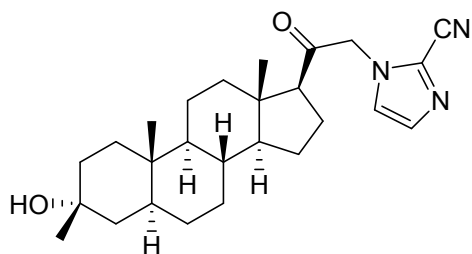
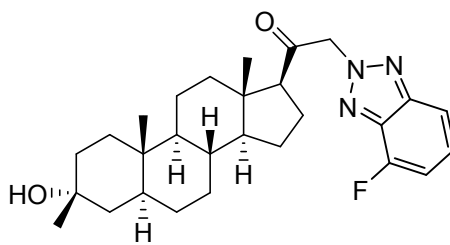
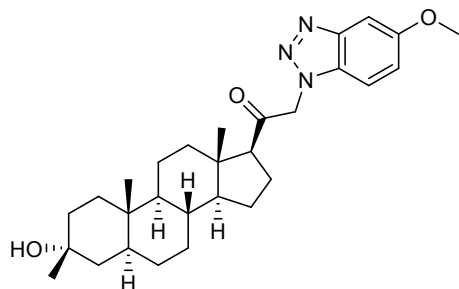
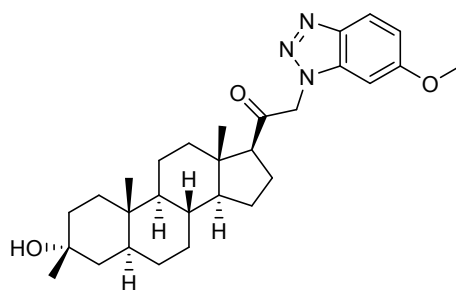
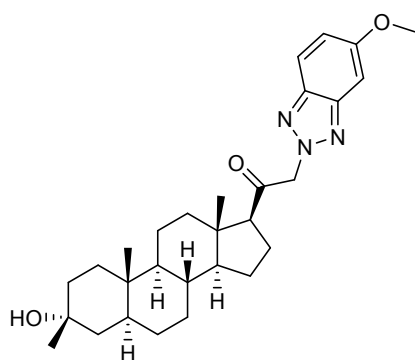
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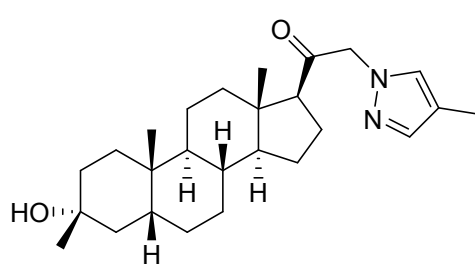
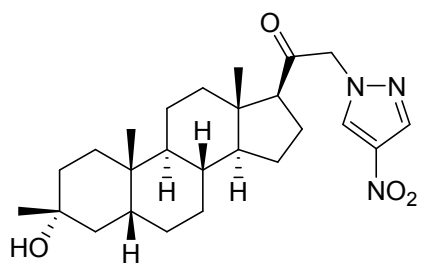
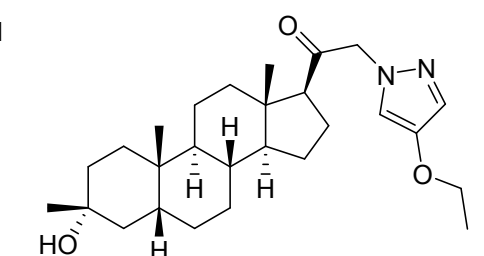
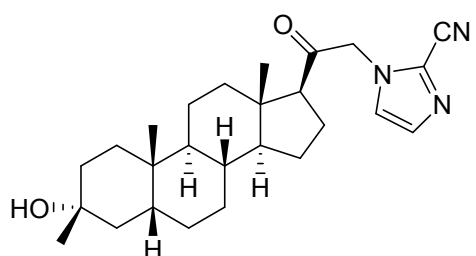
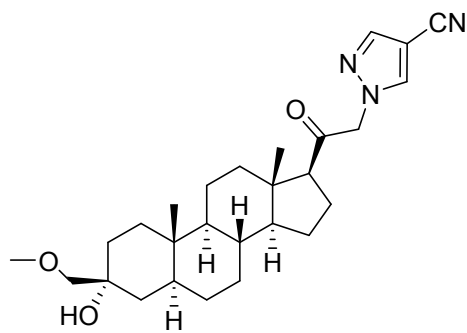
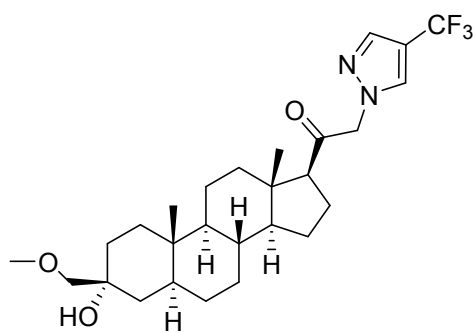
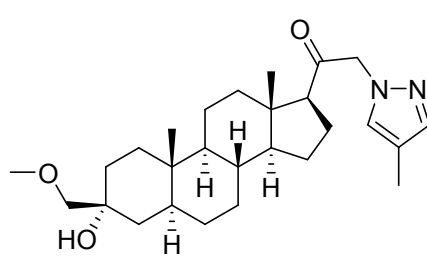
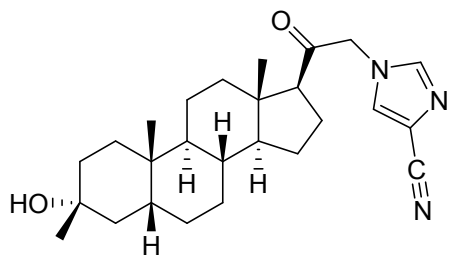
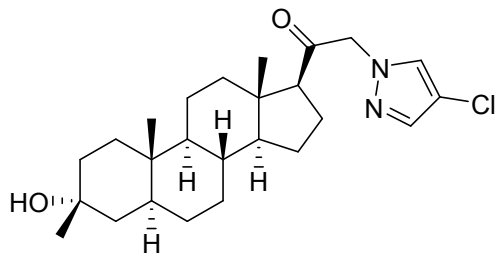
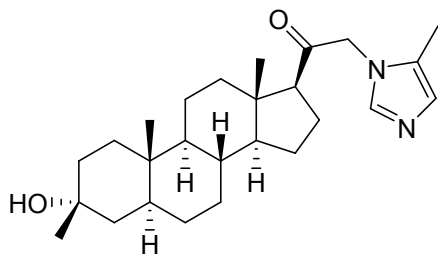


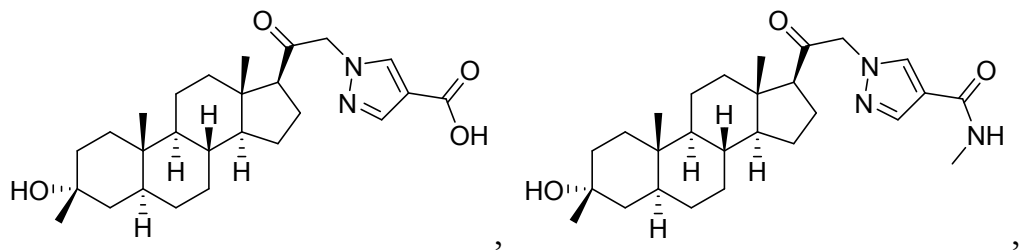
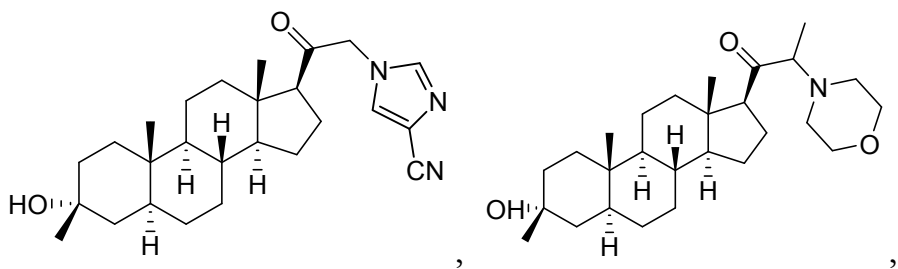
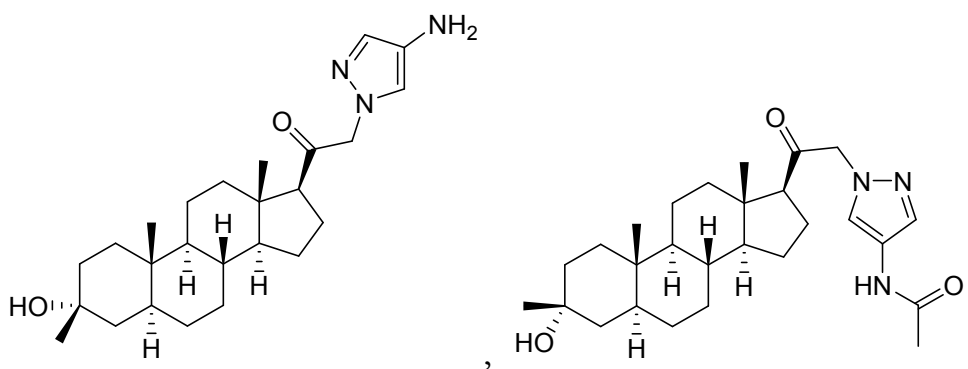
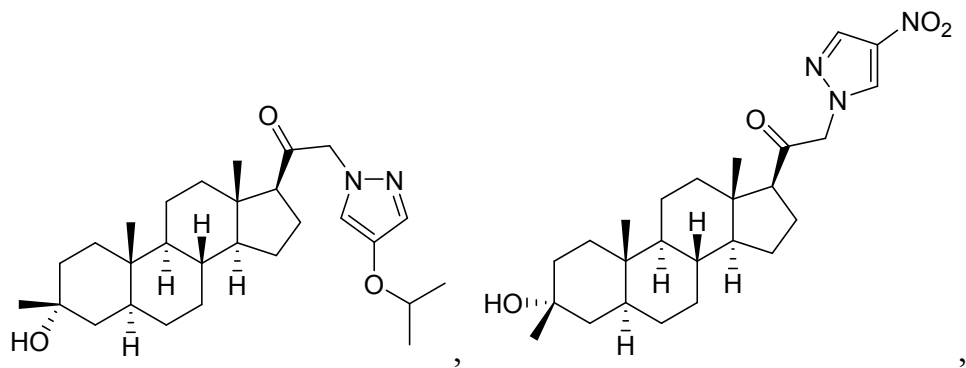
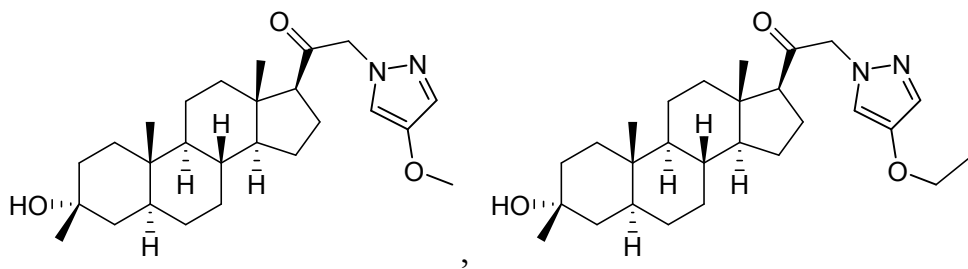
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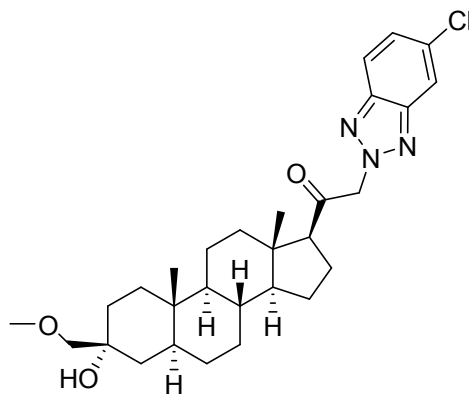
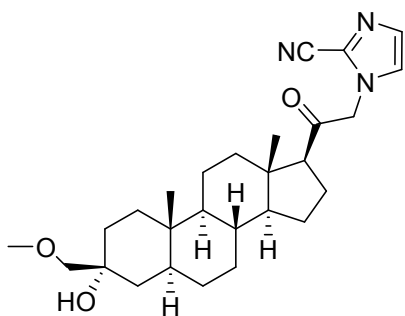
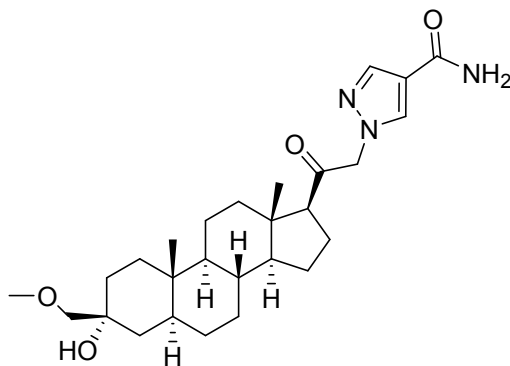
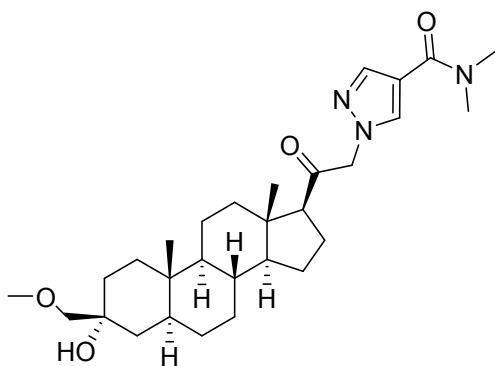
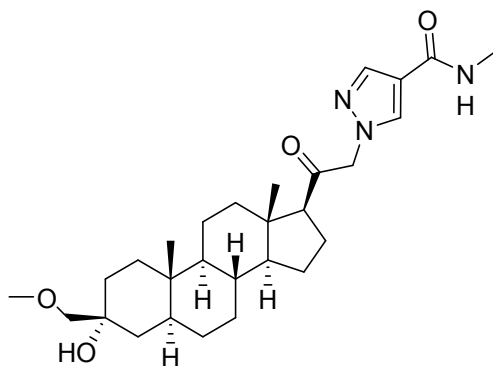
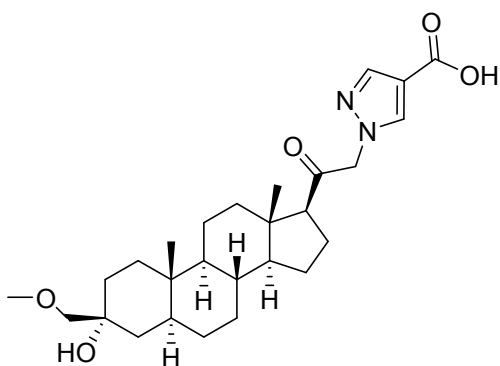
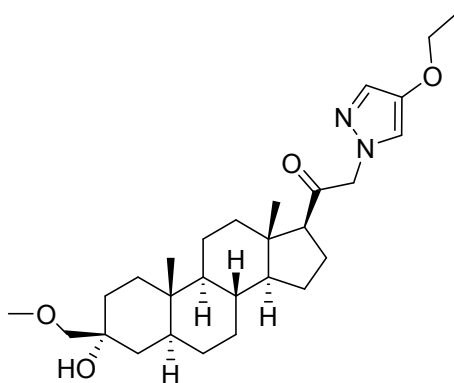
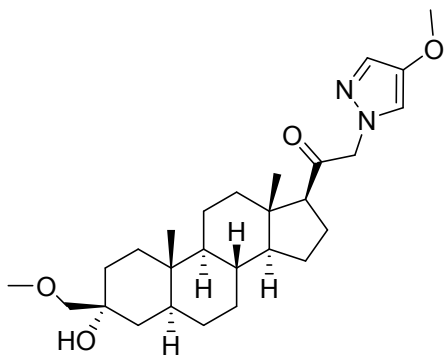


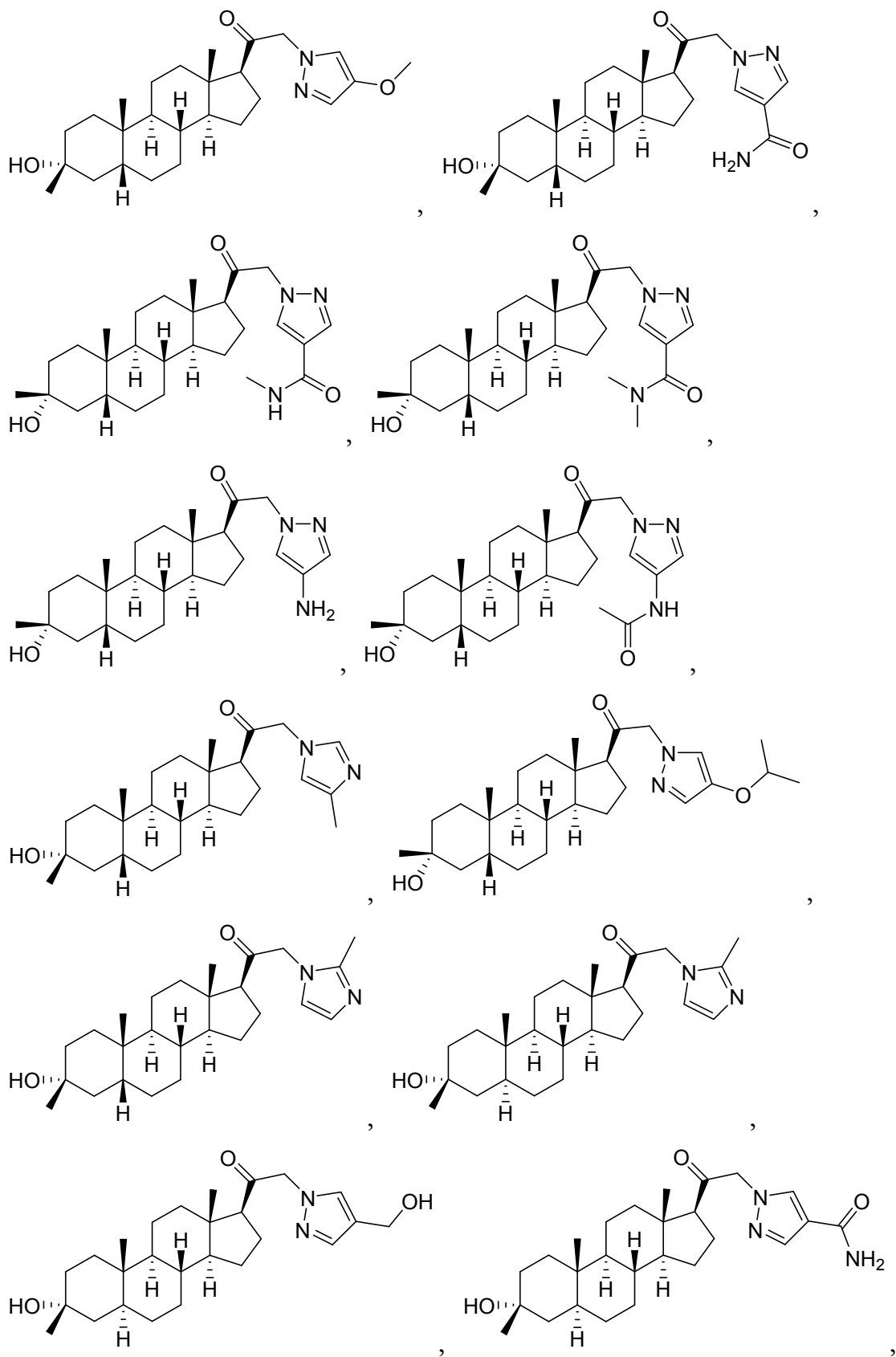
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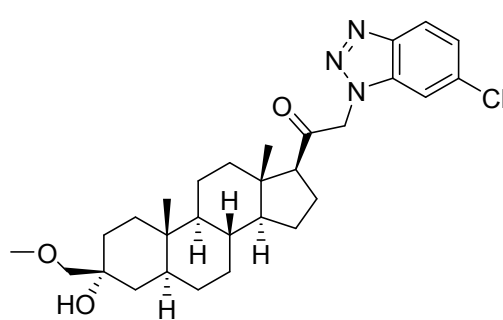
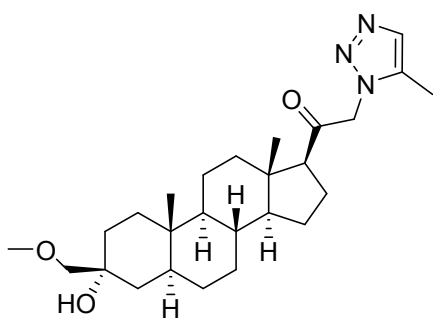
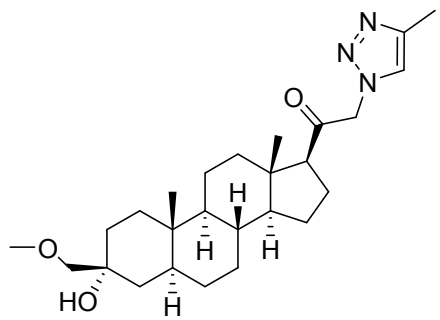
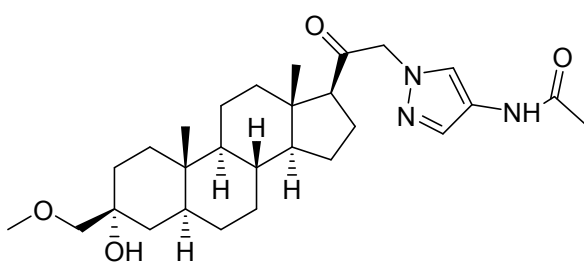
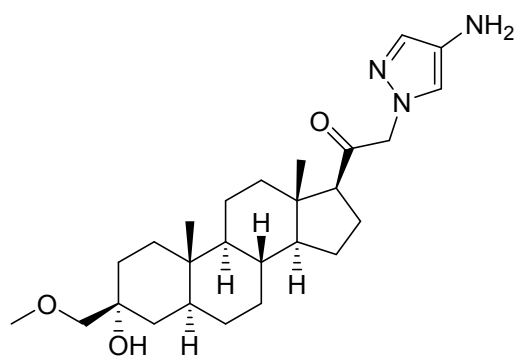
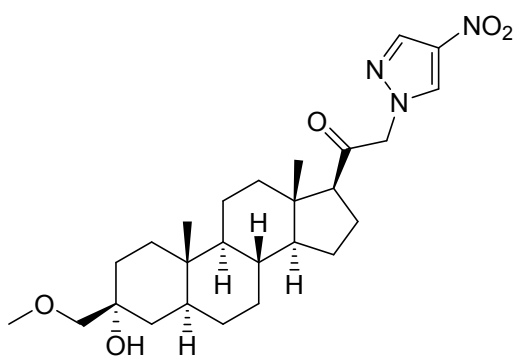
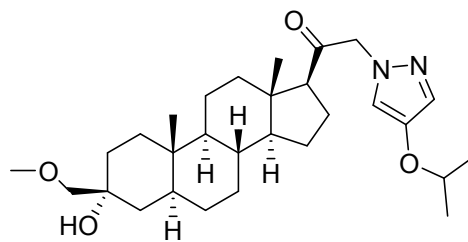
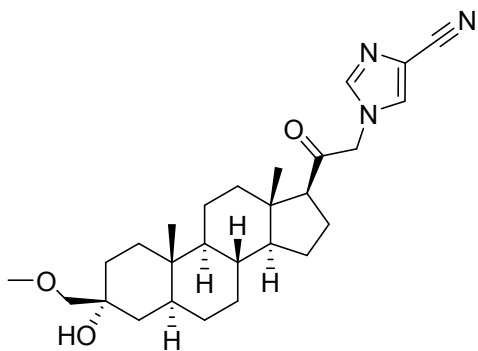


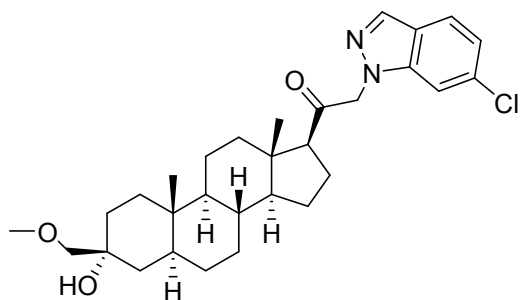




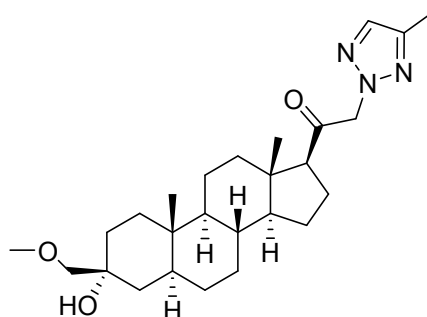




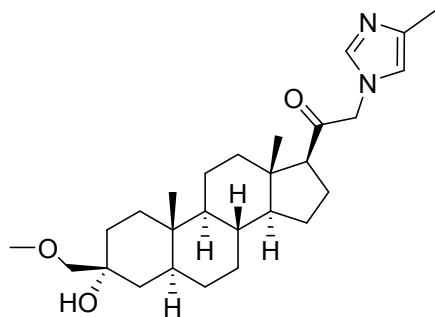




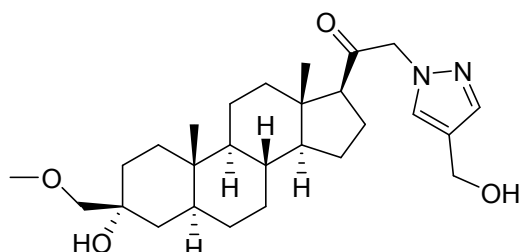
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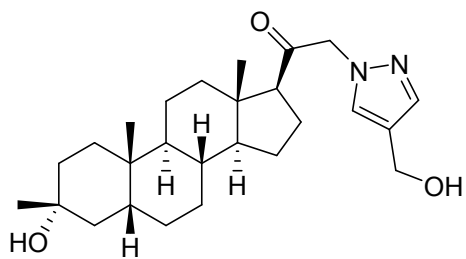
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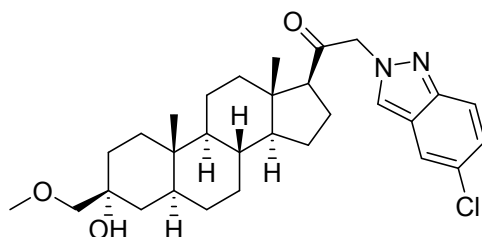
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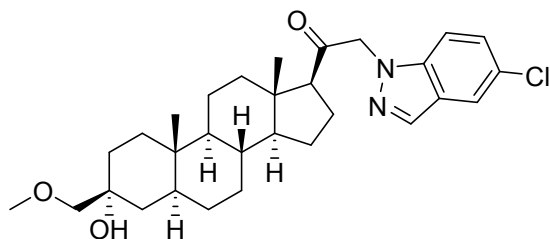
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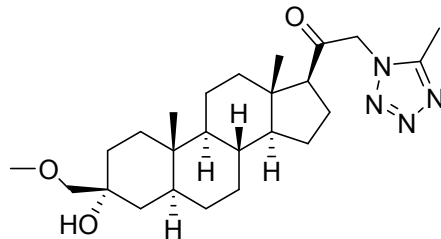
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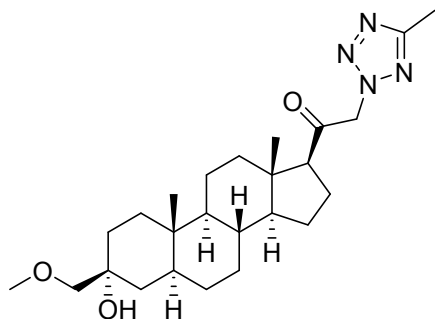
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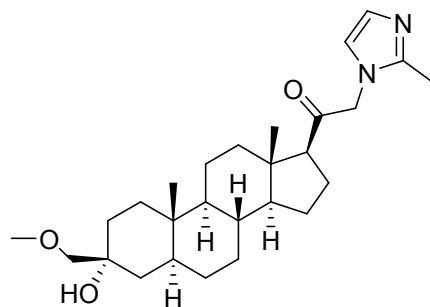
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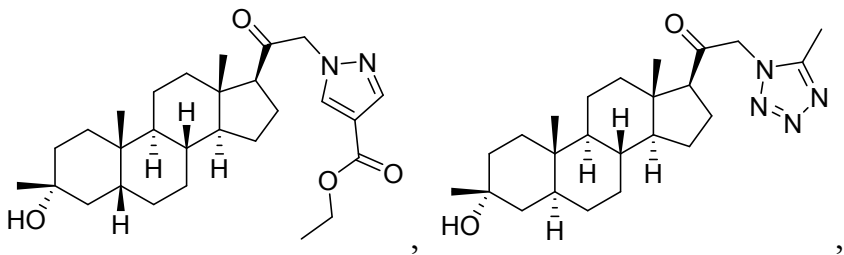
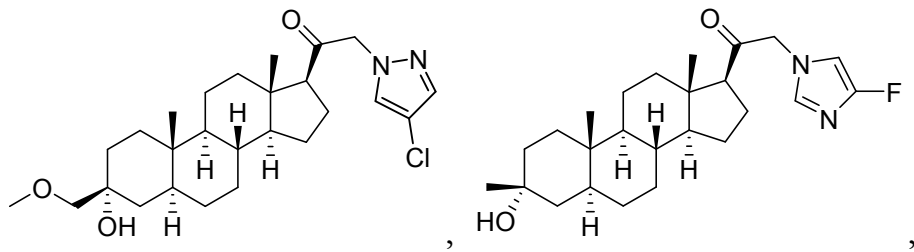
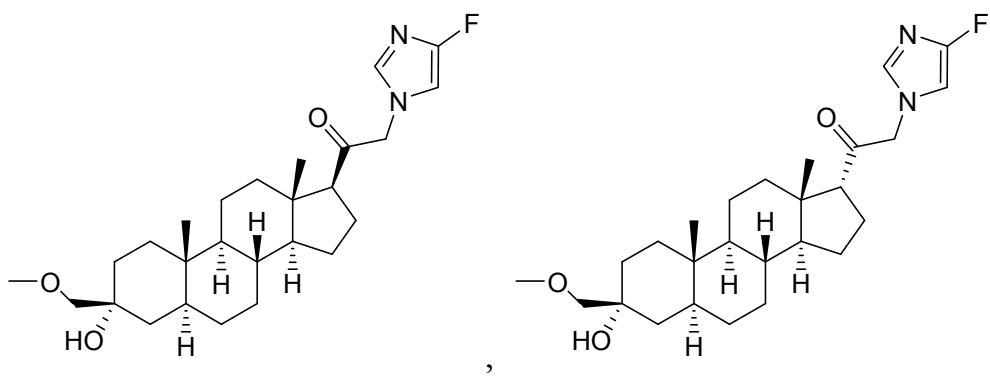
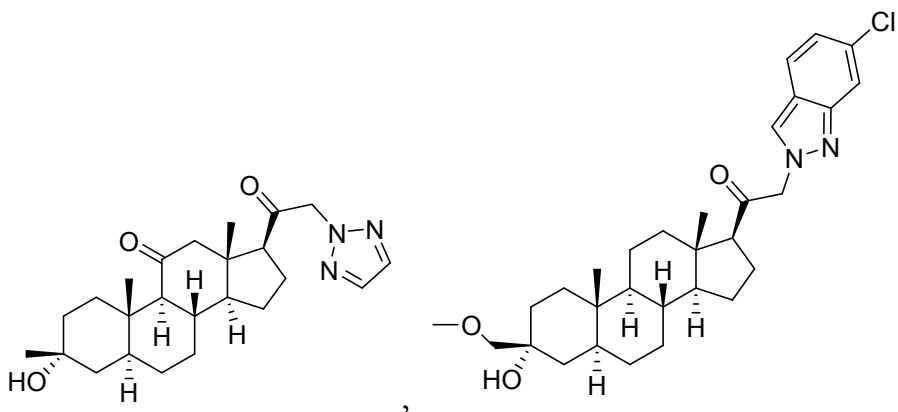
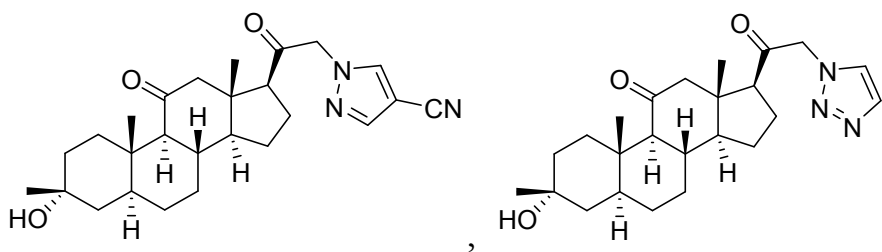
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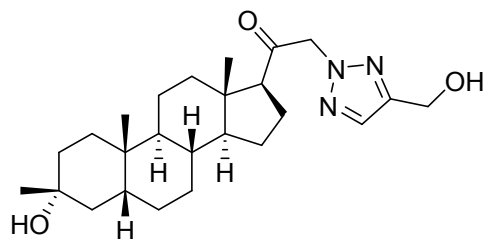
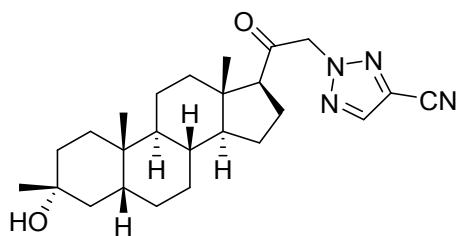
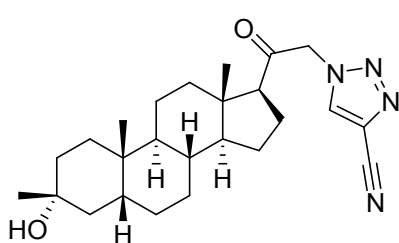
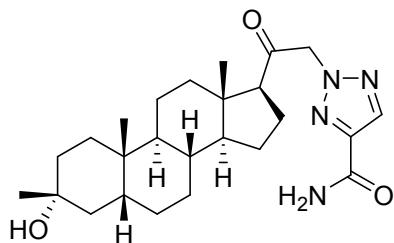
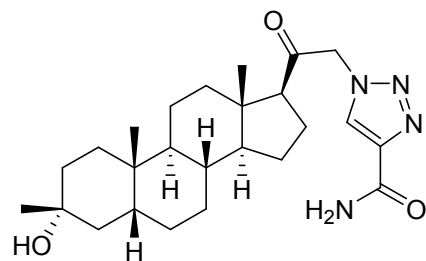
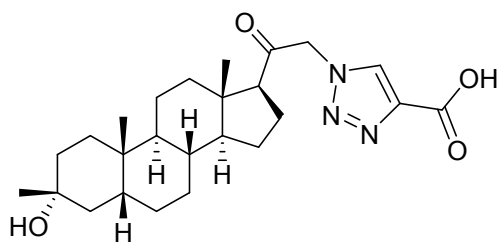
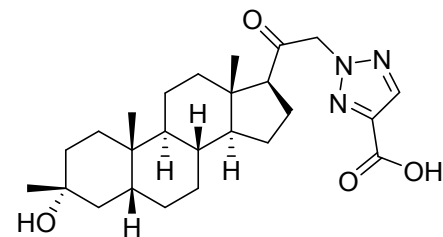
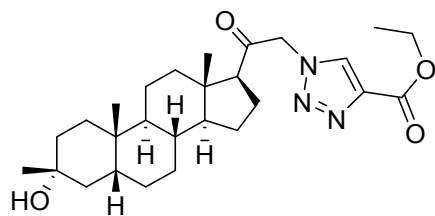
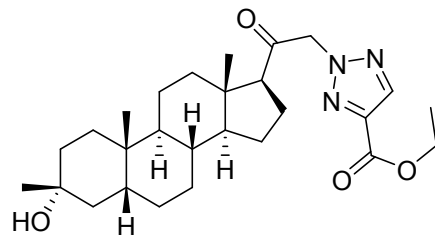
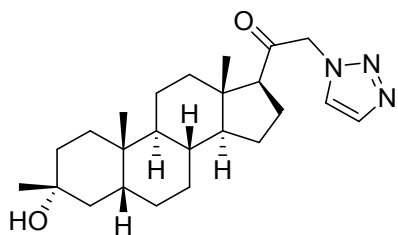
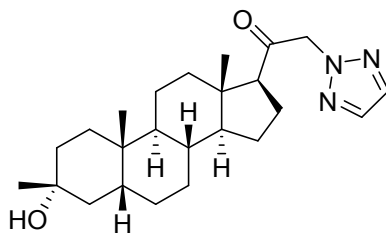
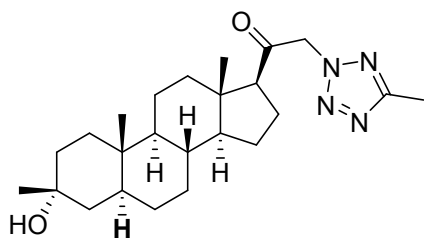


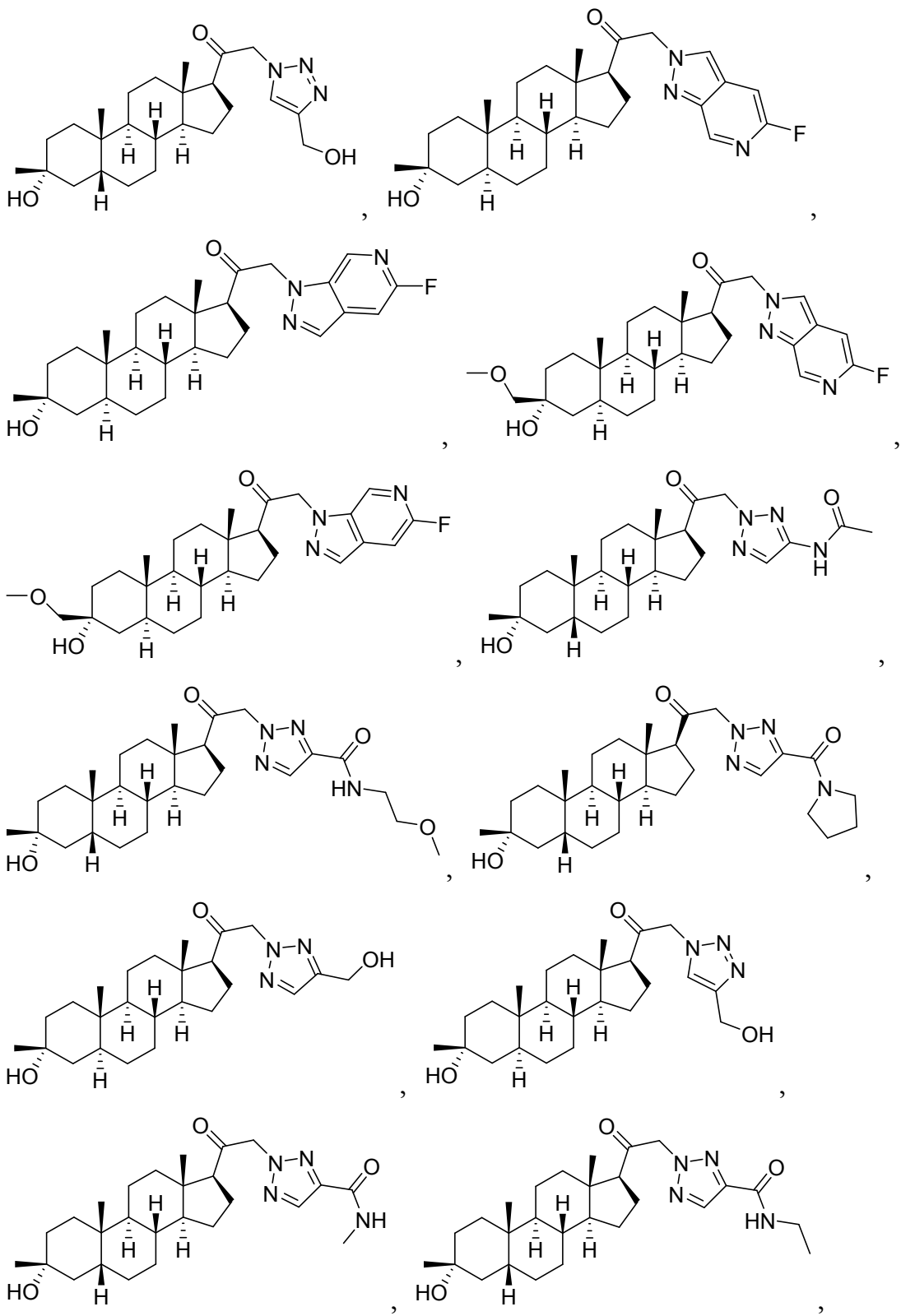
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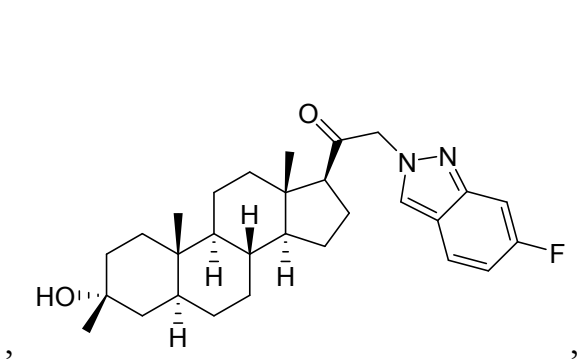
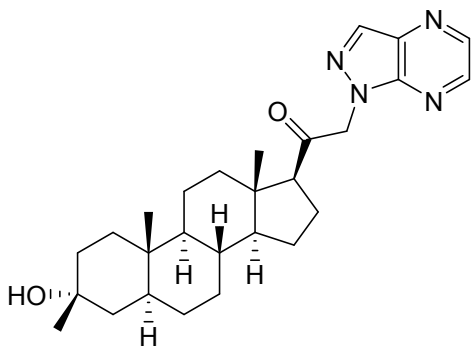
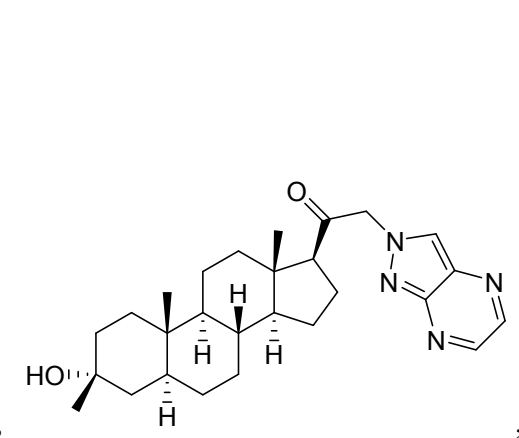
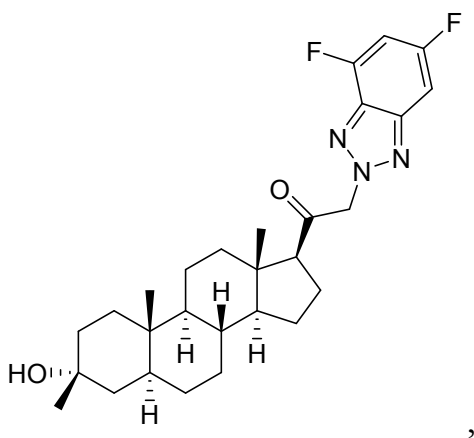
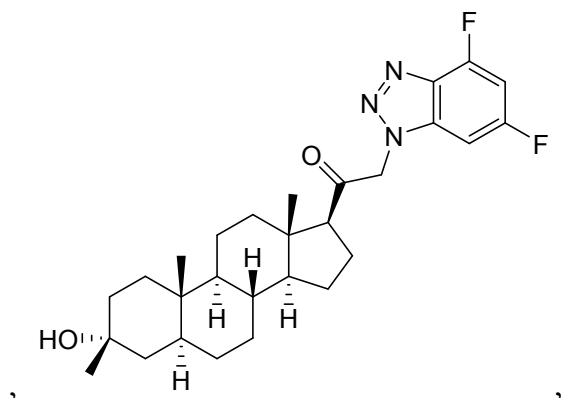
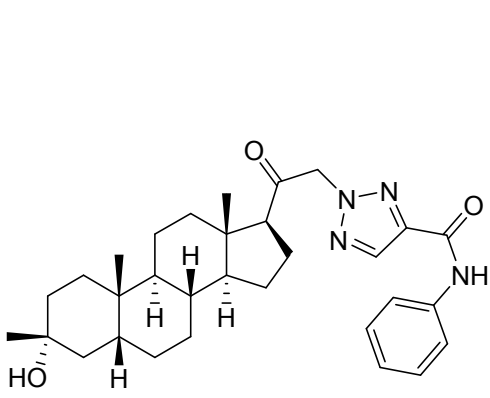
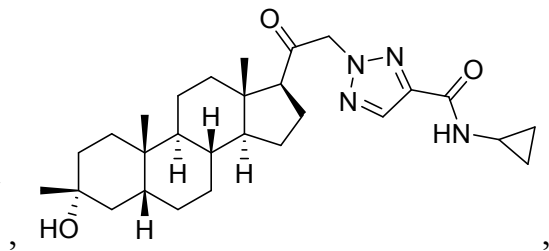
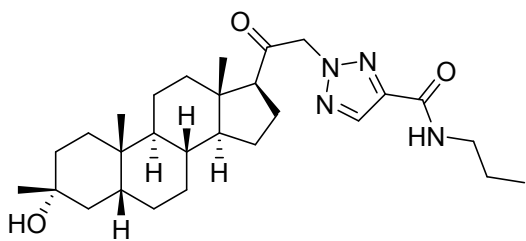


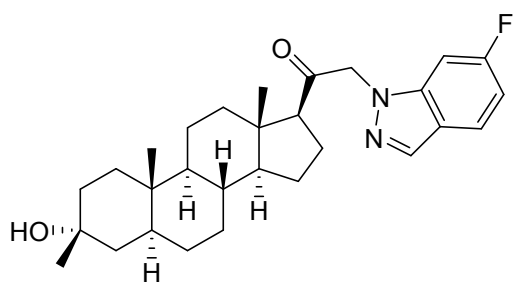
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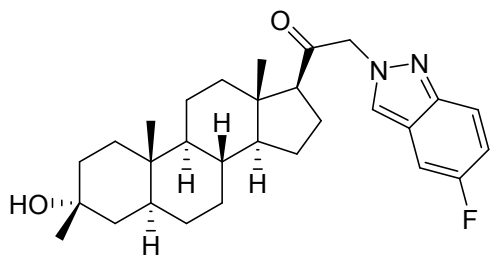




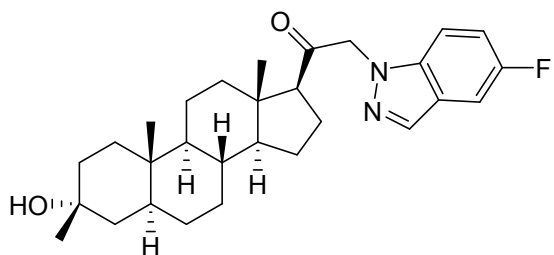




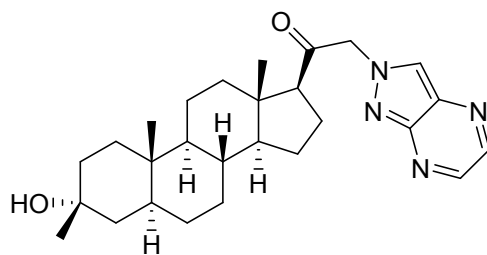
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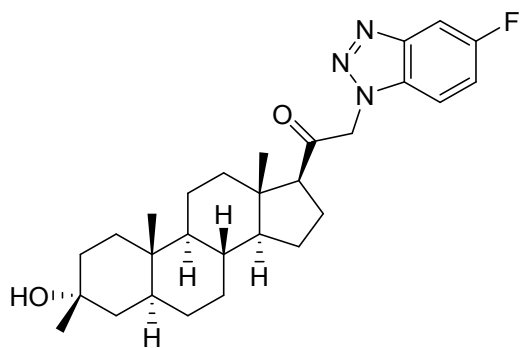
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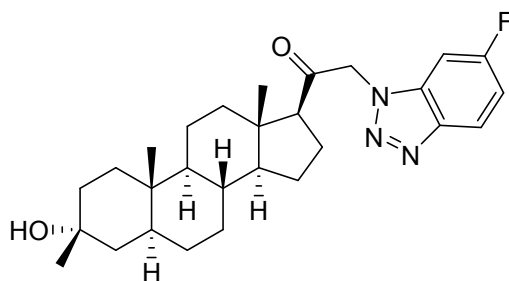
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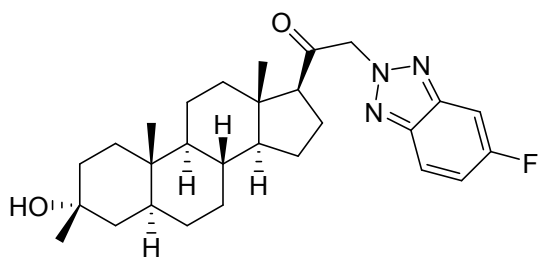
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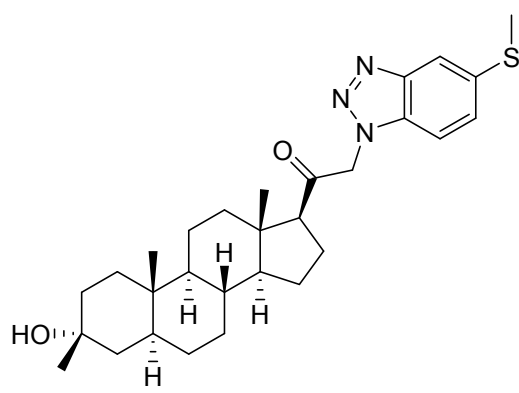
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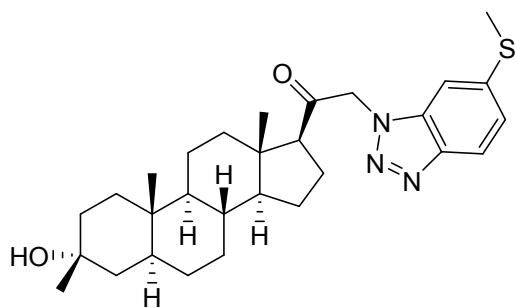
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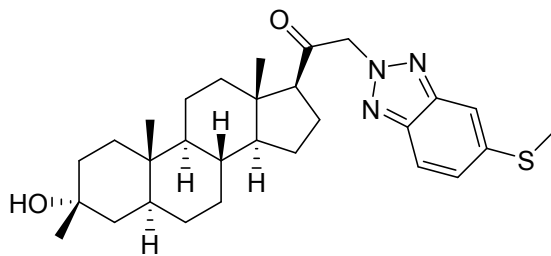
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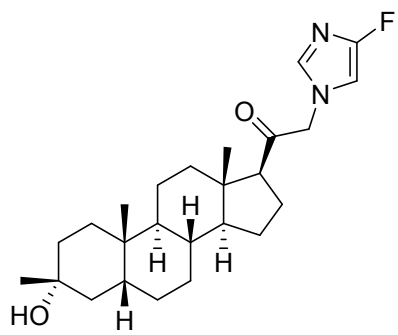
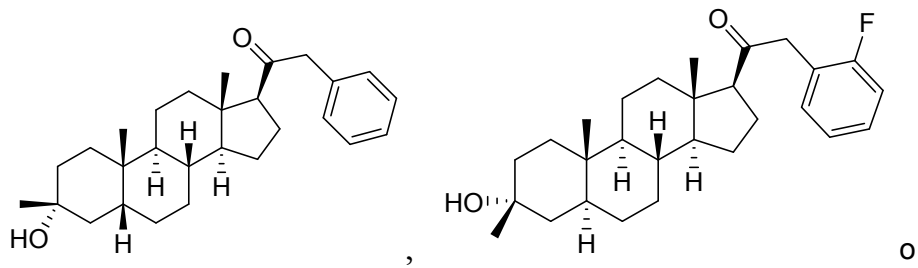
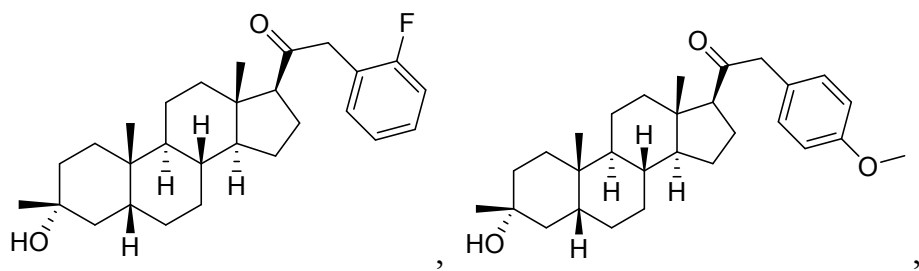
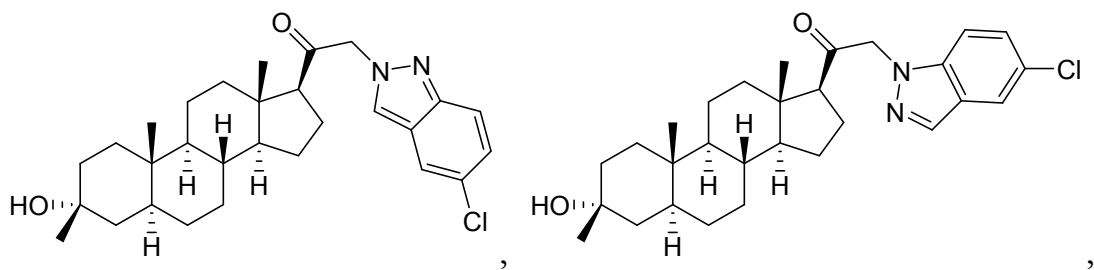
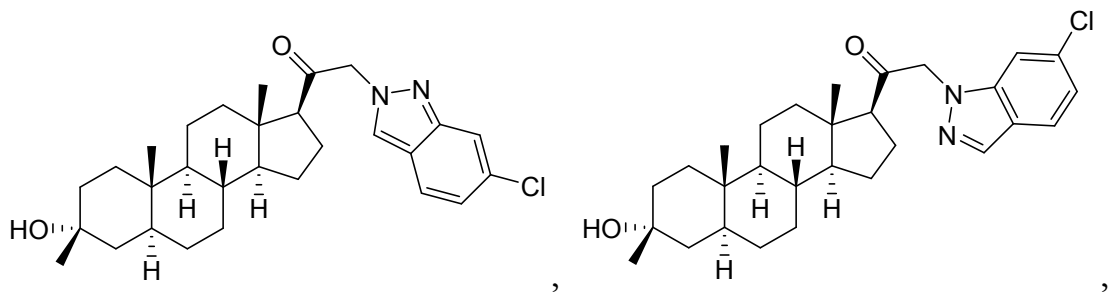
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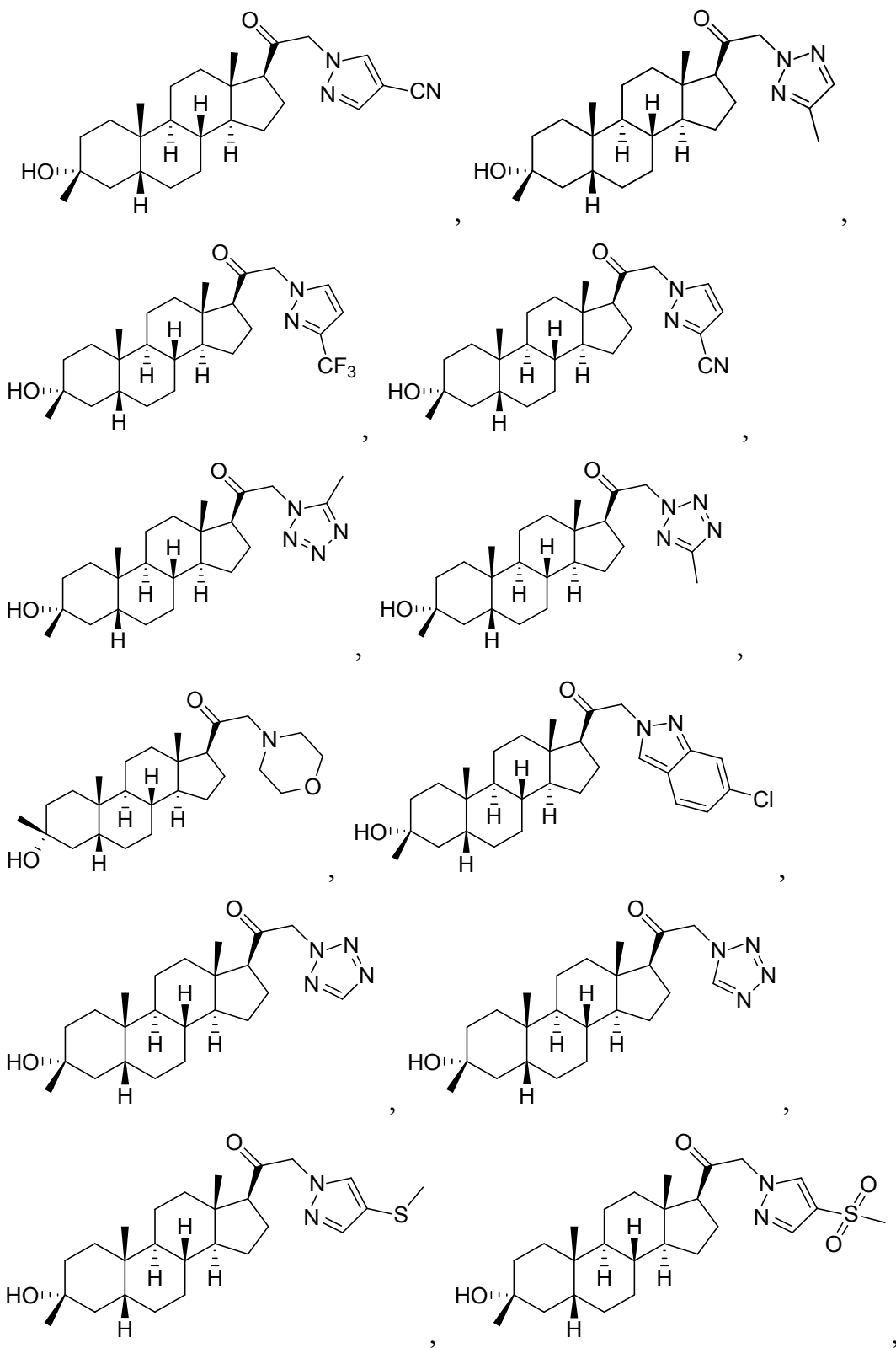
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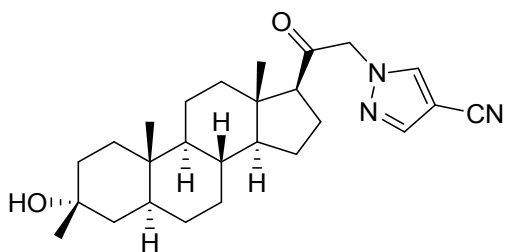


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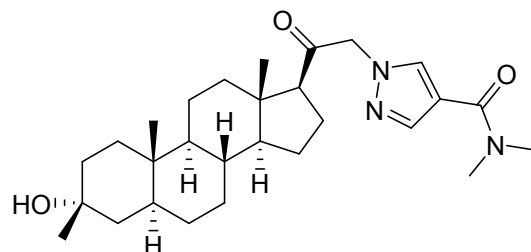


29. Un compuesto, en donde el compuesto es:

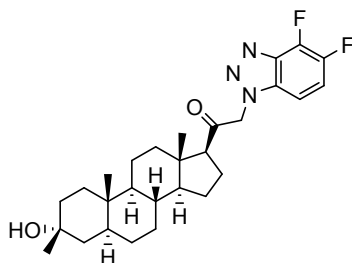




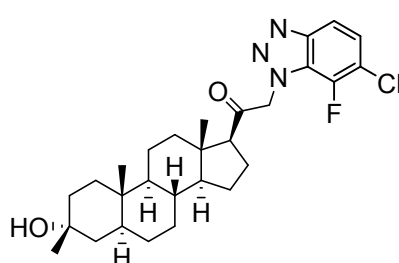
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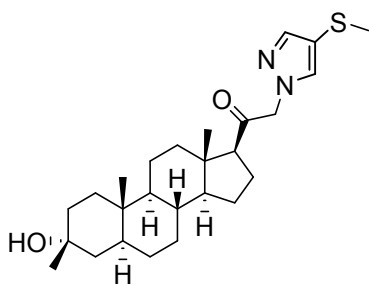
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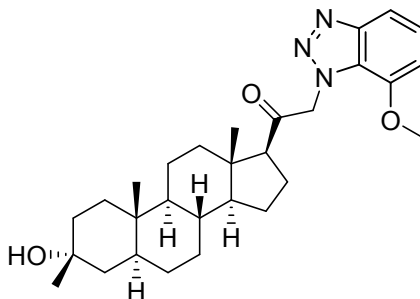
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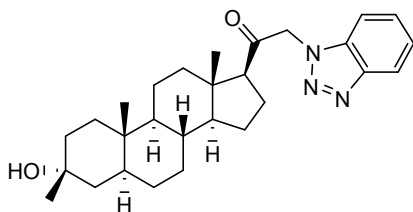
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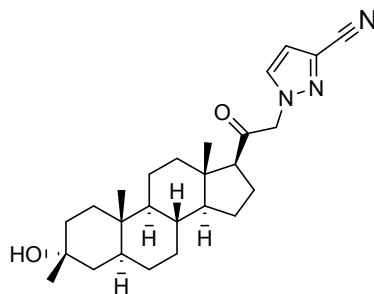
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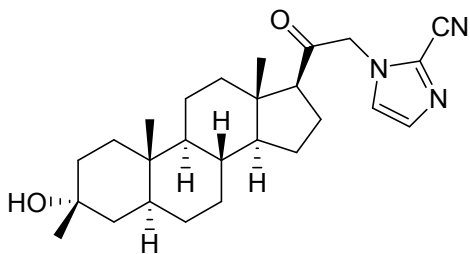
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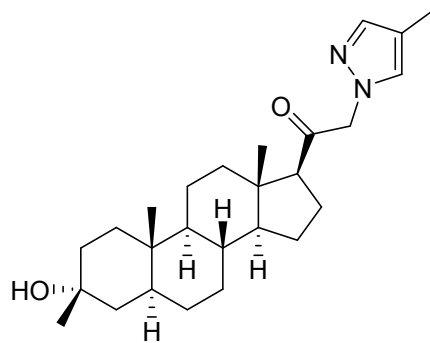
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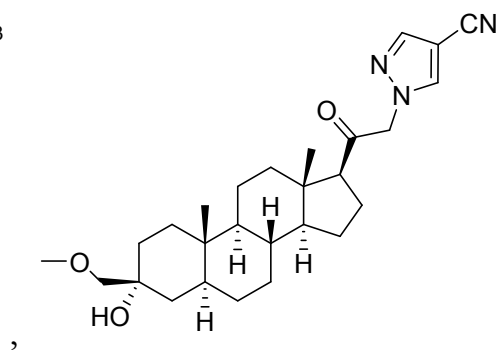
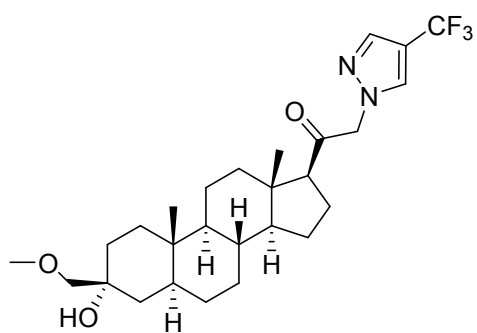
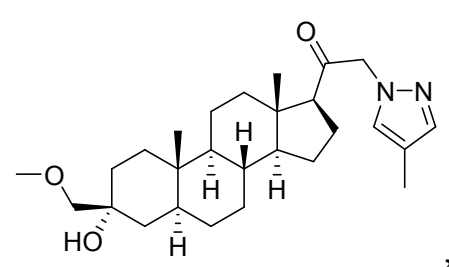
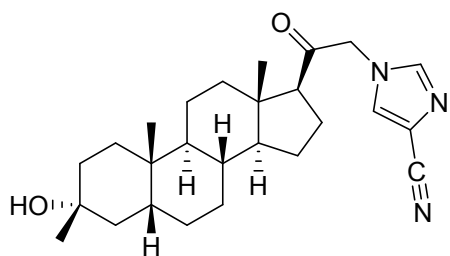
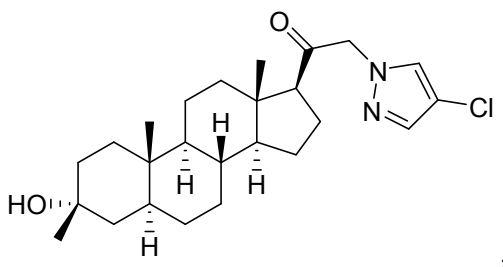
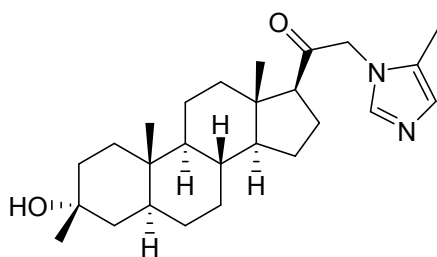
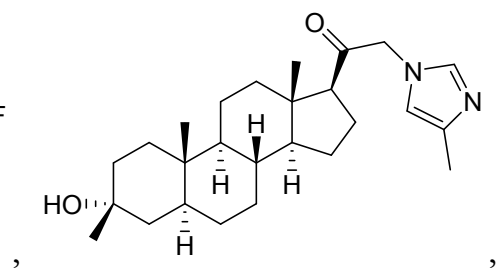
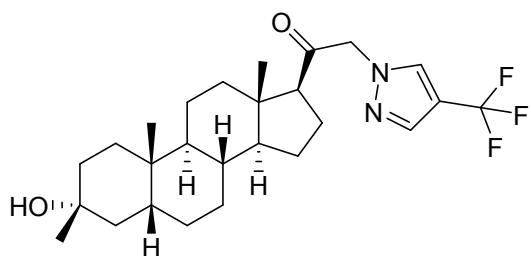
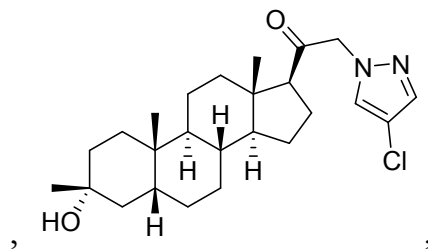
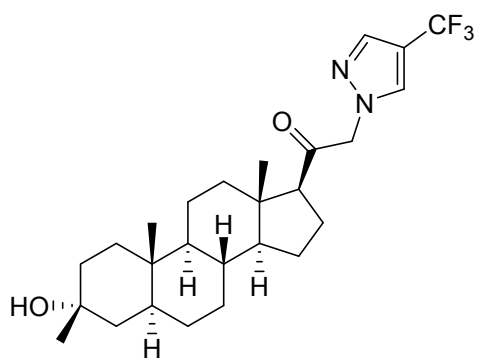
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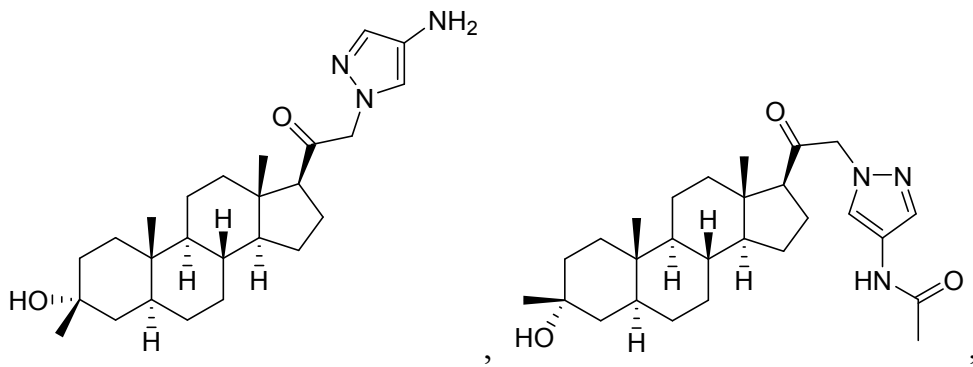
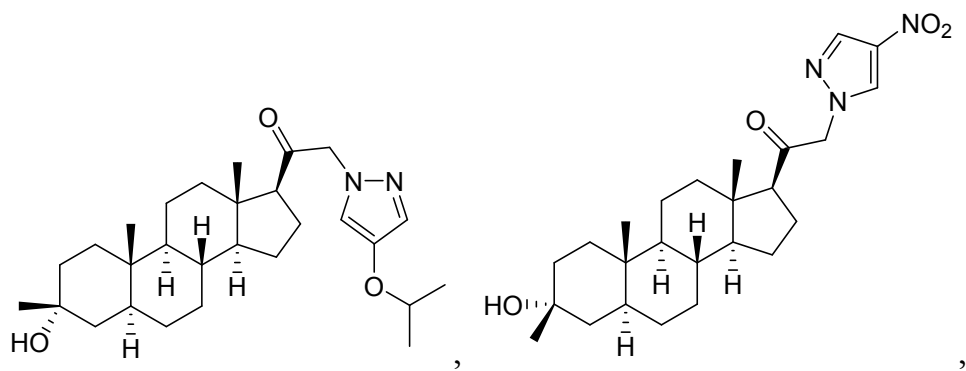
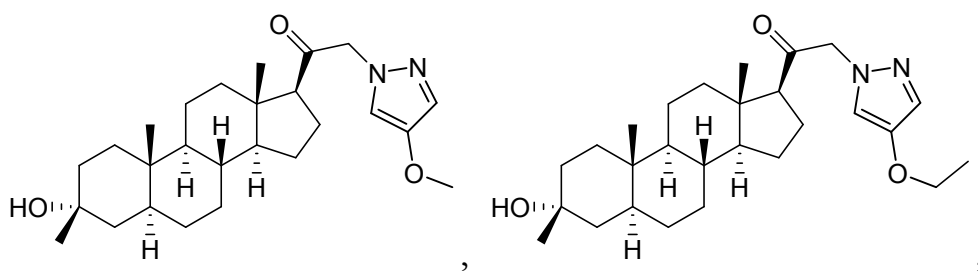
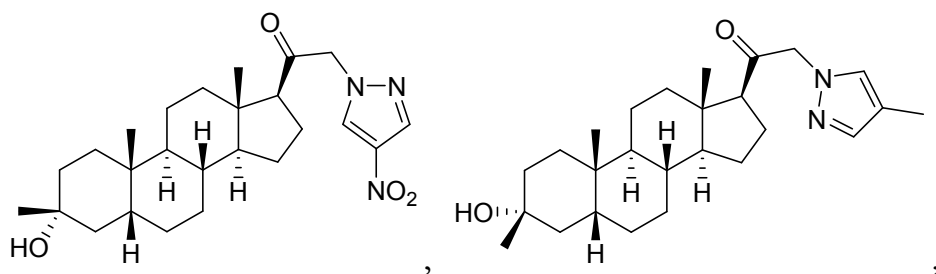
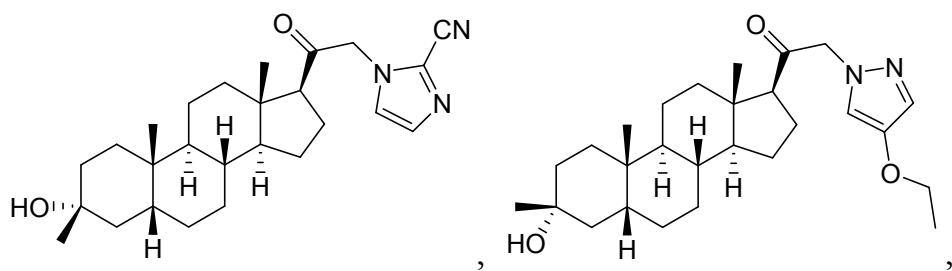


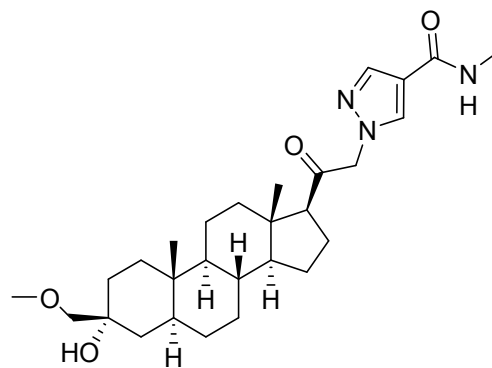
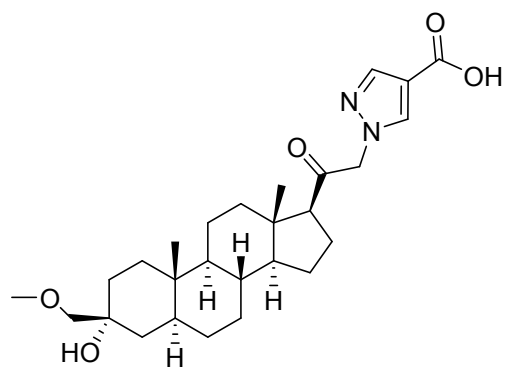
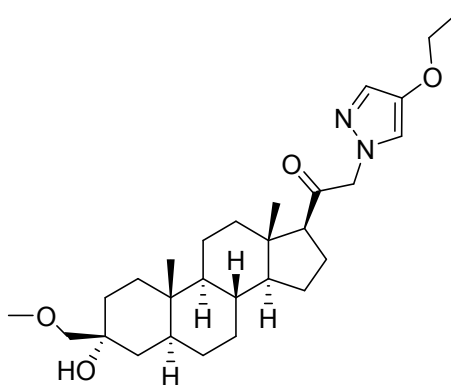
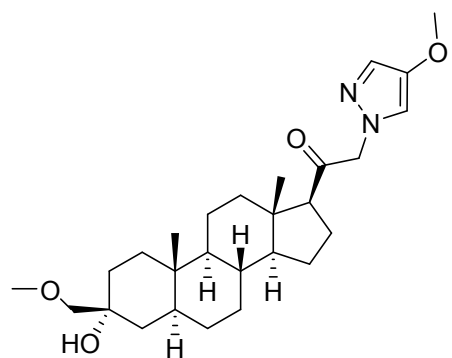
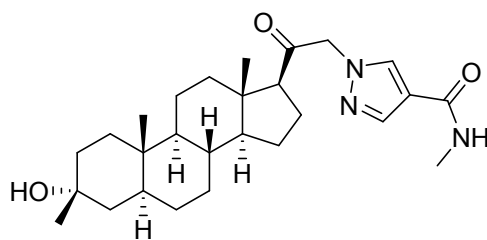
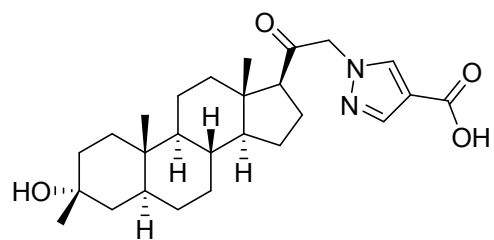
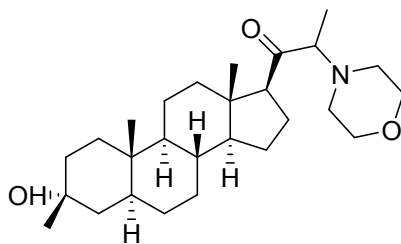
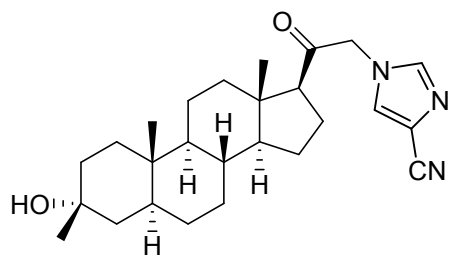
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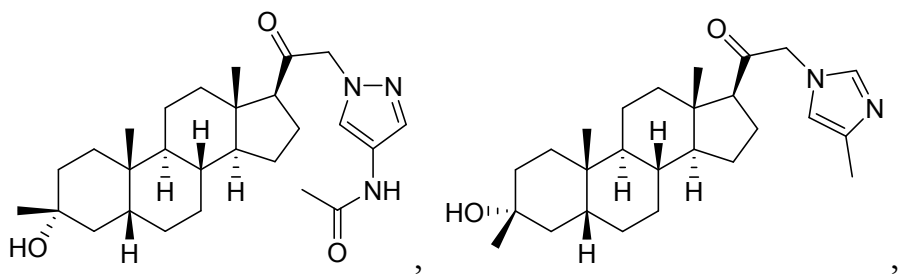
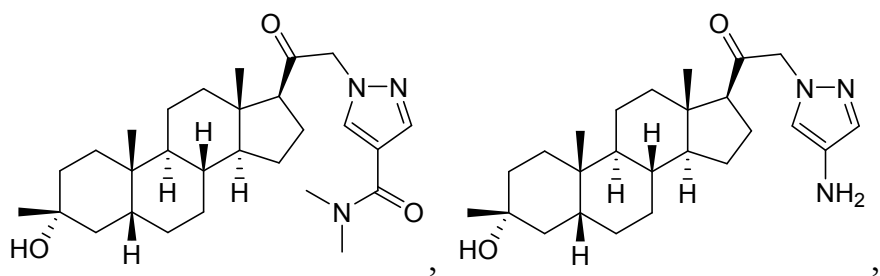
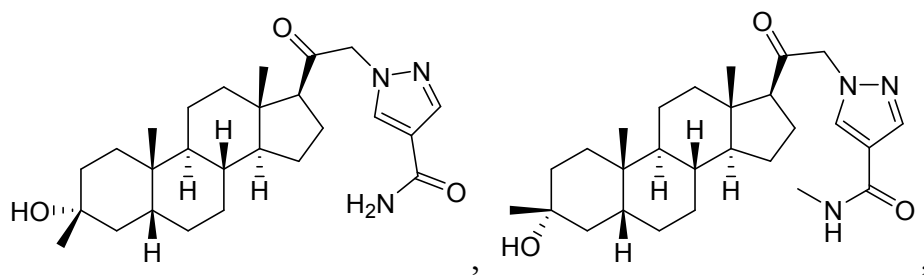
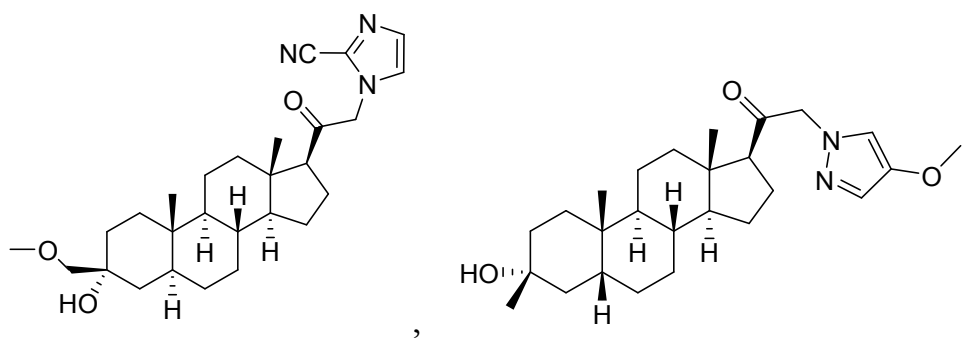
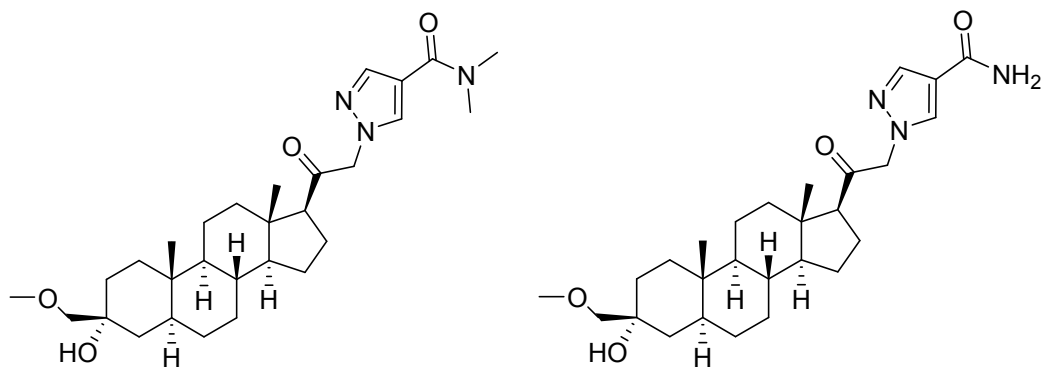


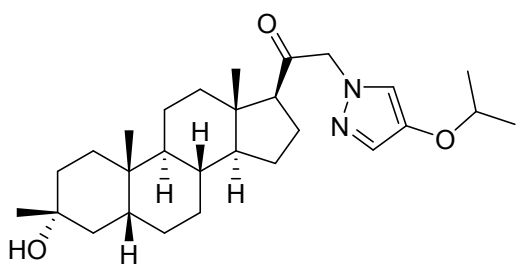
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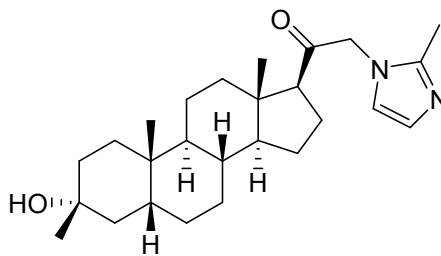




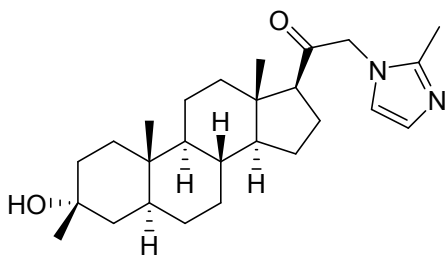




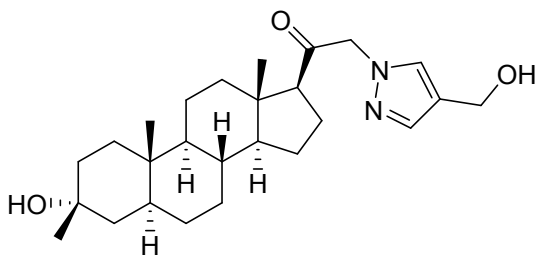
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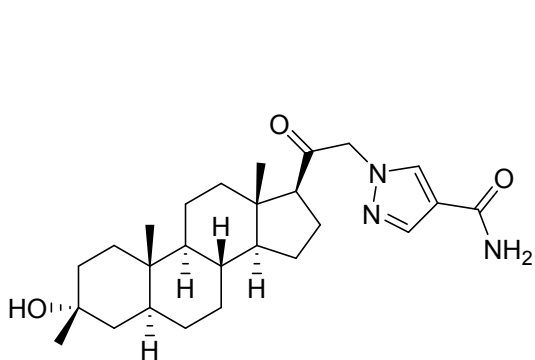
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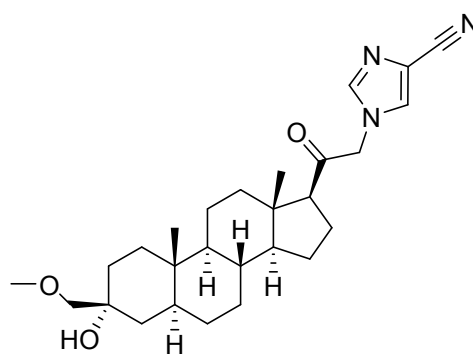
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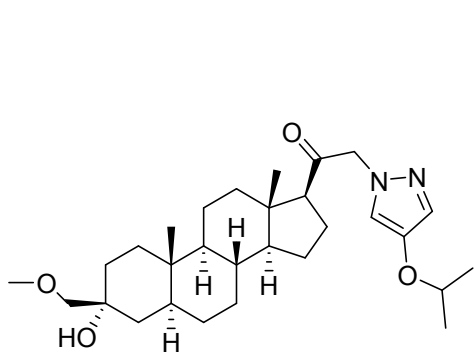
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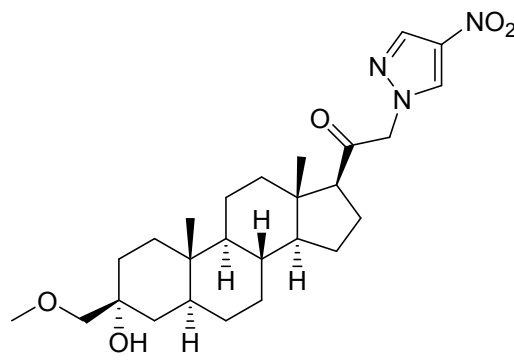
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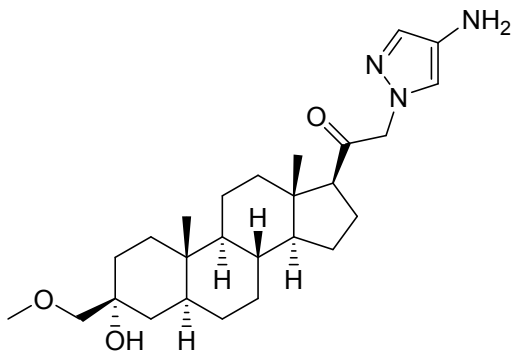
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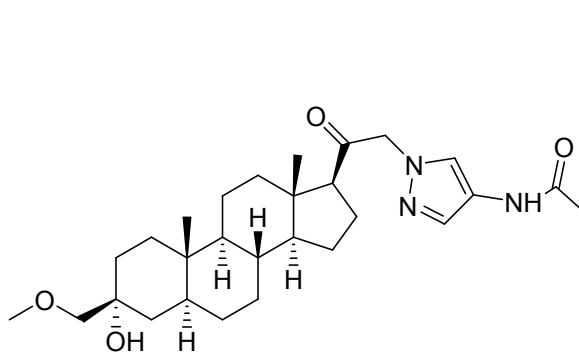
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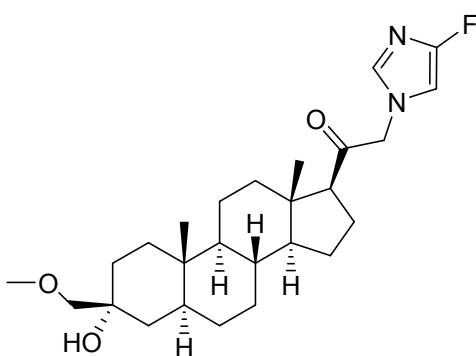
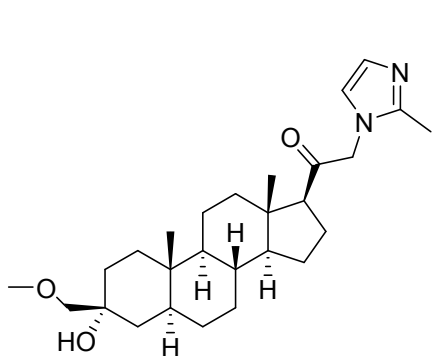
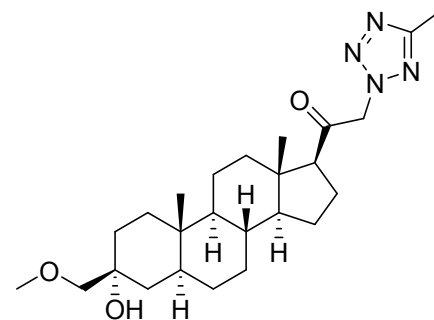
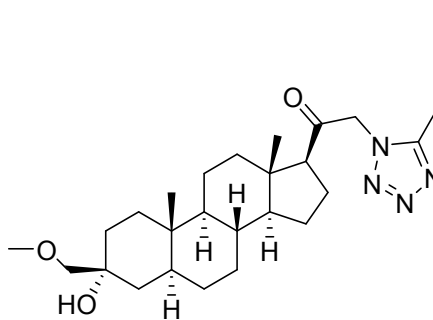
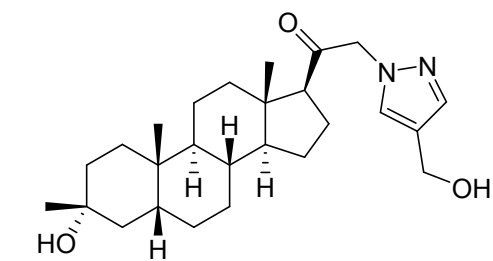
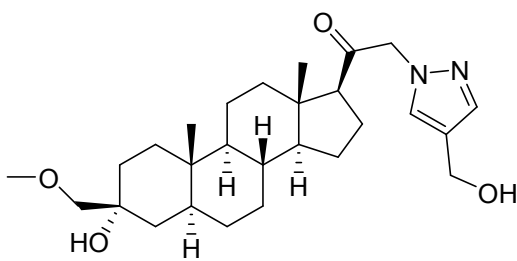
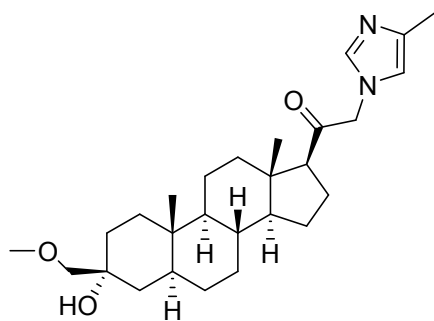
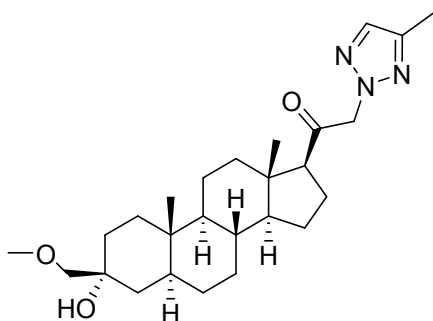
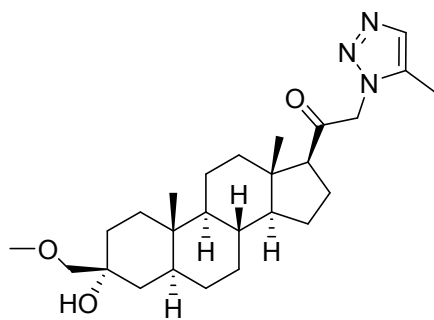
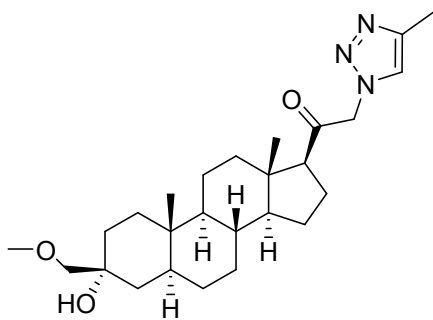
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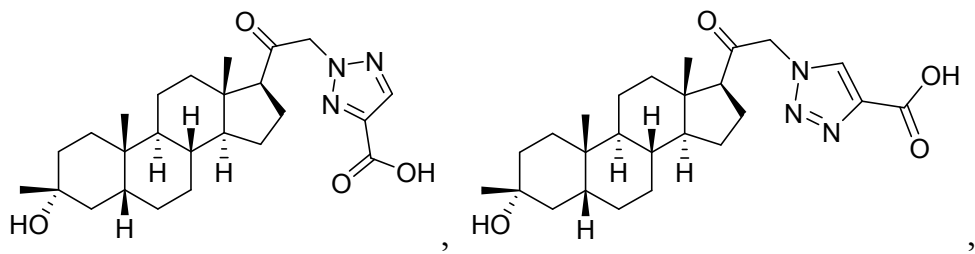
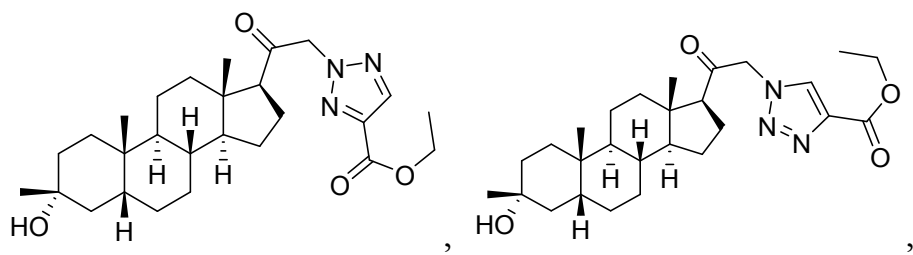
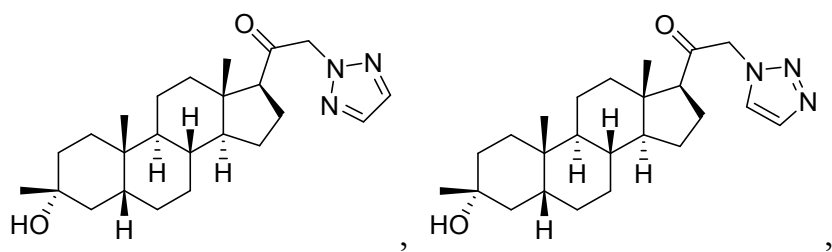
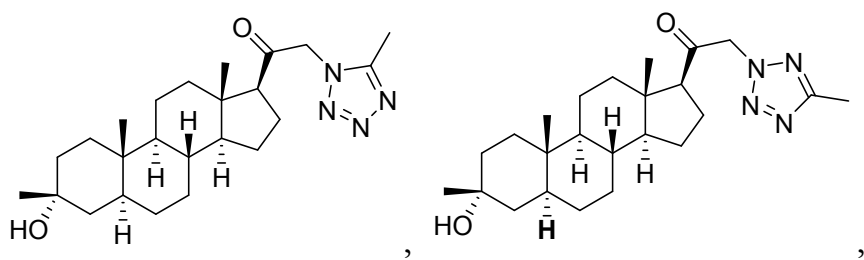
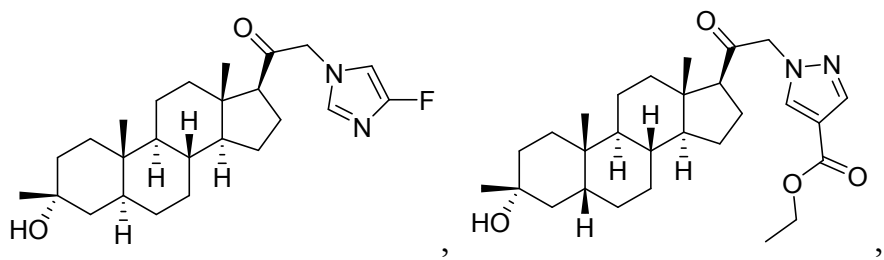
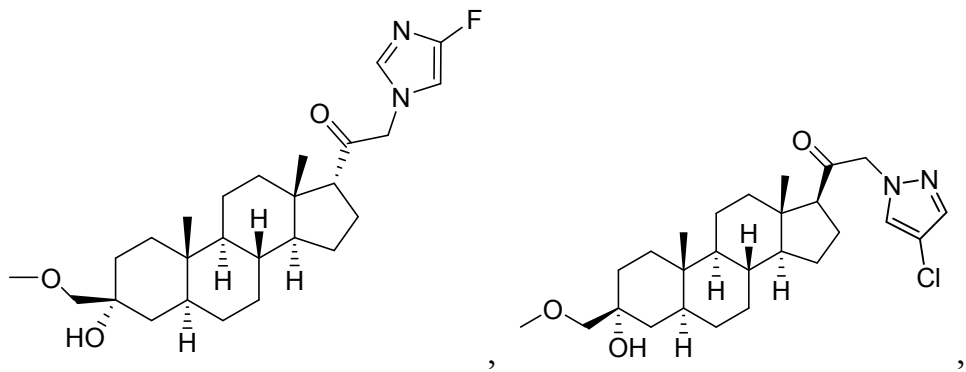


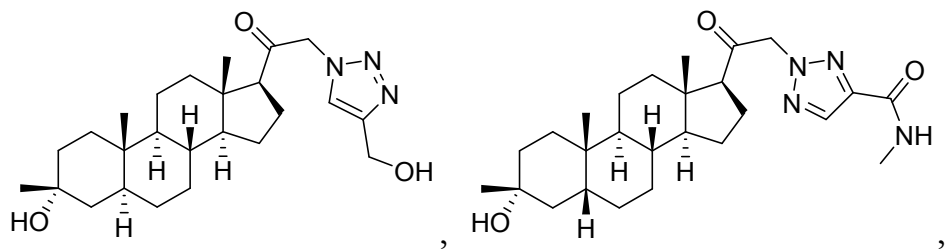
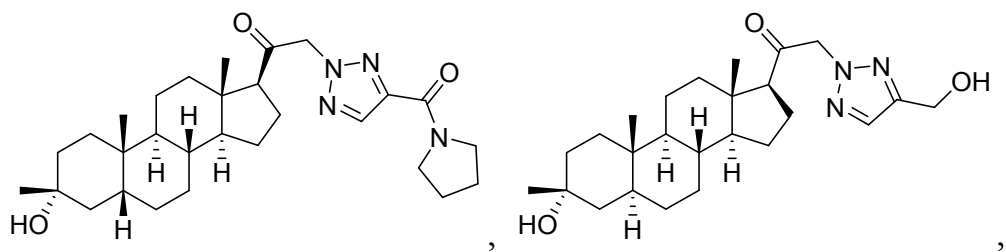
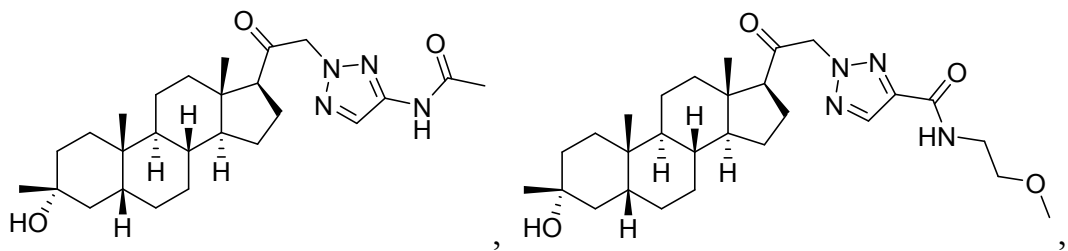
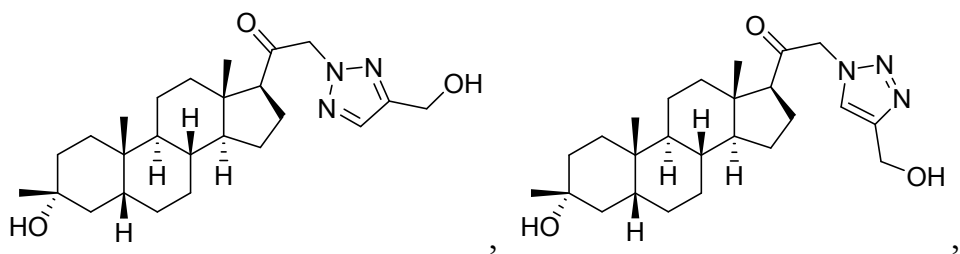
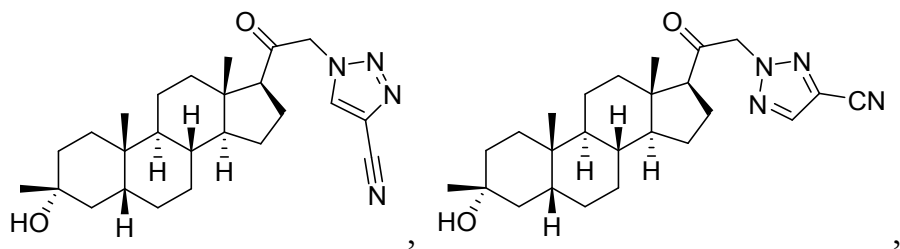
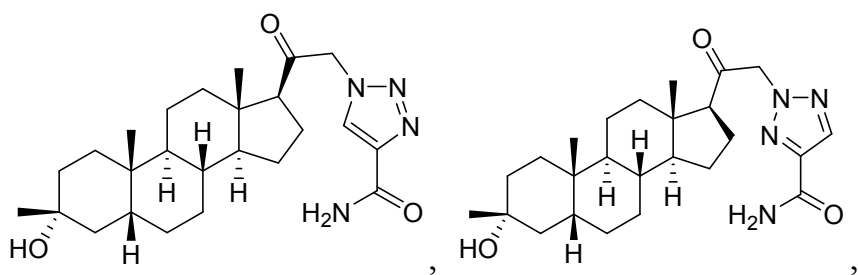
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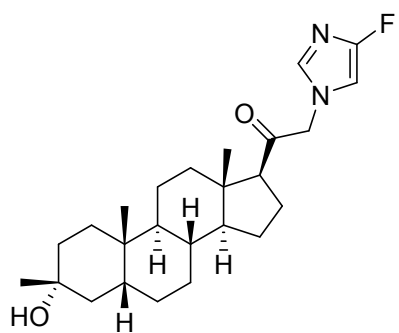
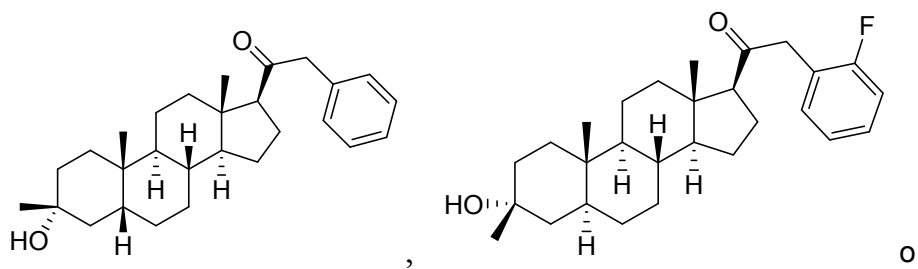
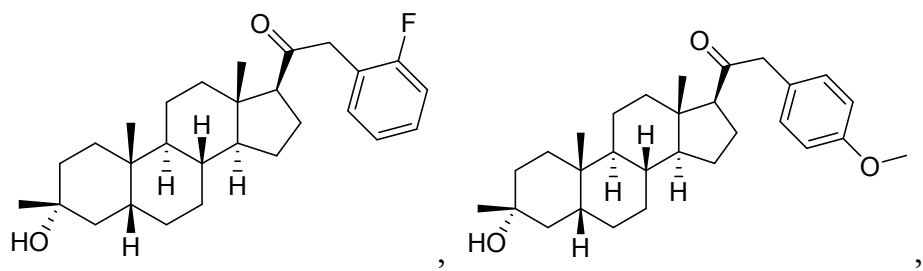
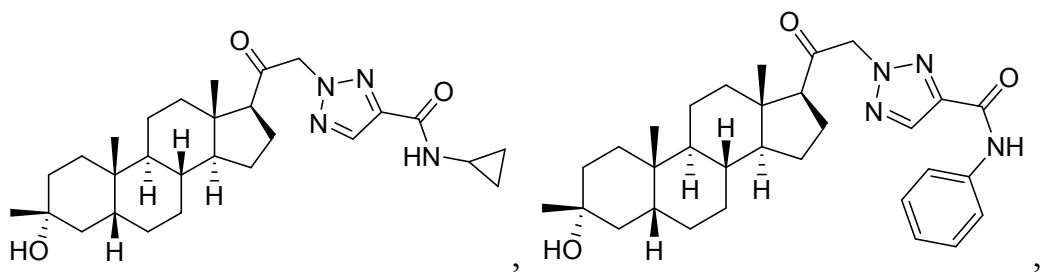
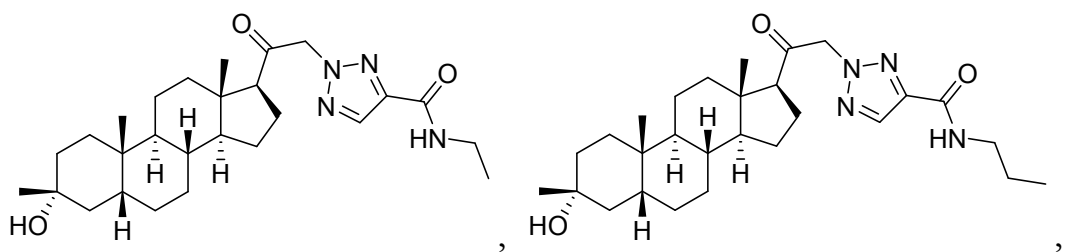


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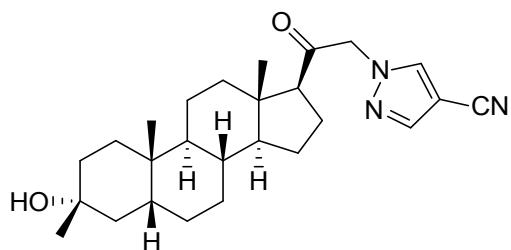




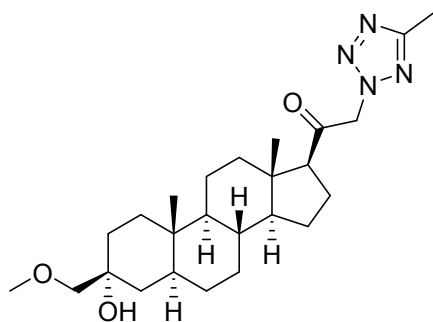




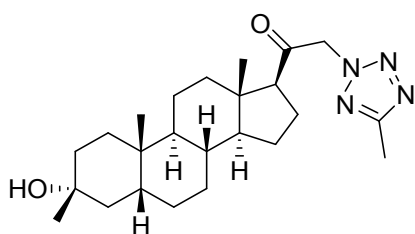
30. Un compuesto, en donde el compuesto es:



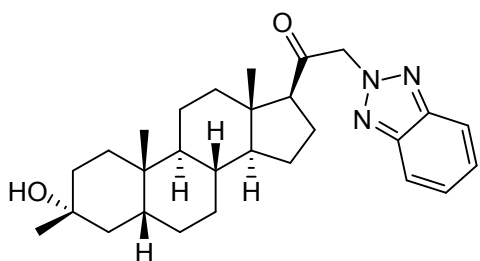
31. Un compuesto, en donde el compuesto es:



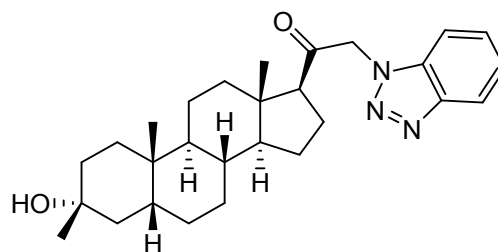
32. Un compuesto, en donde el compuesto es:



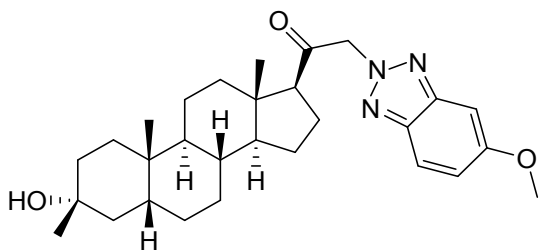
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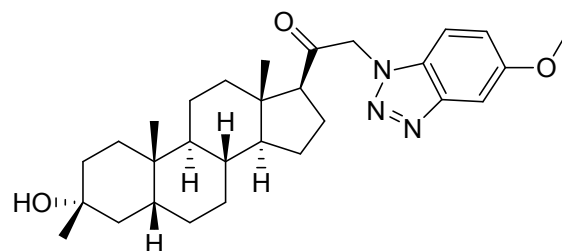
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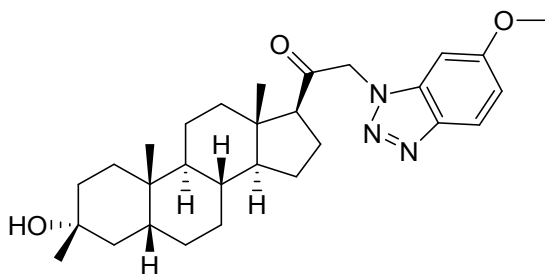
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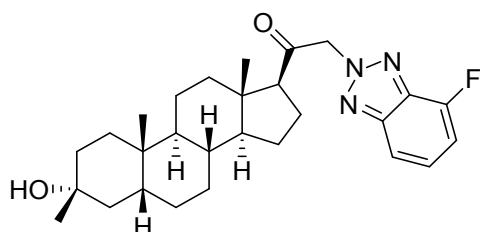
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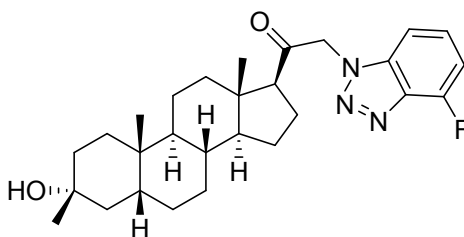
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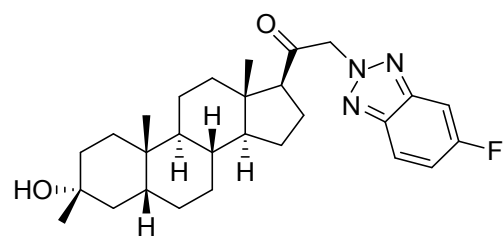
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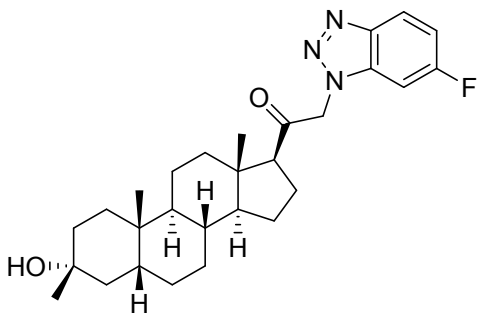
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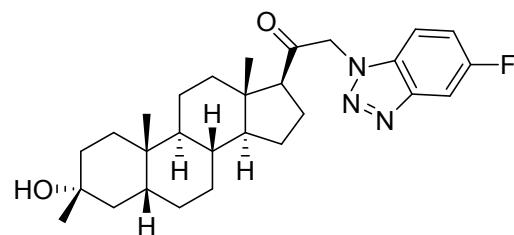
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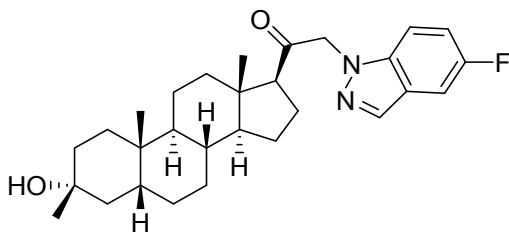
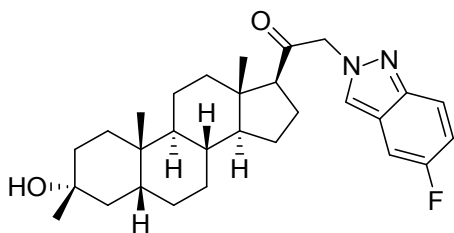
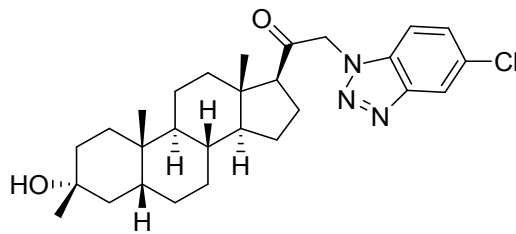
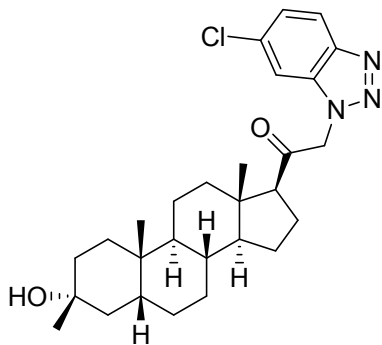
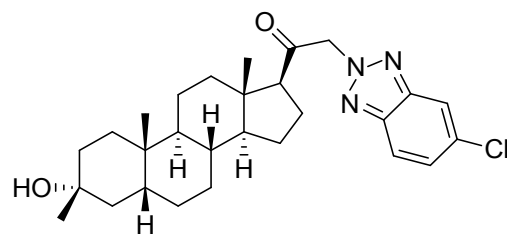
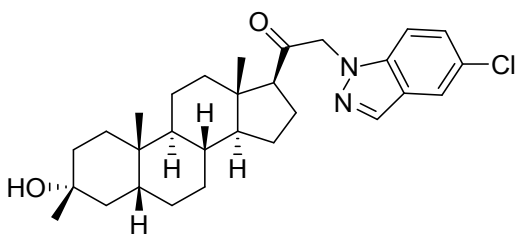
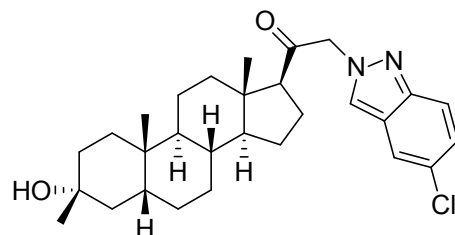
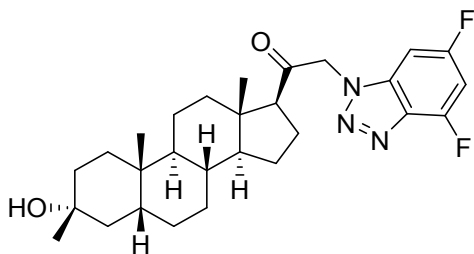
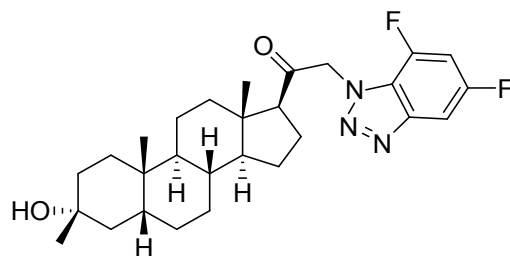
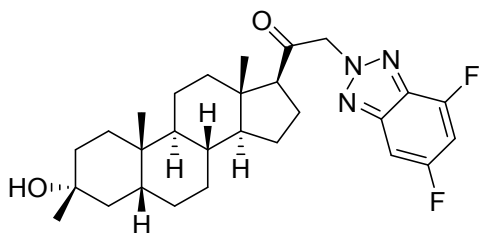
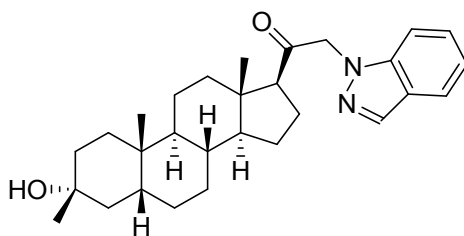
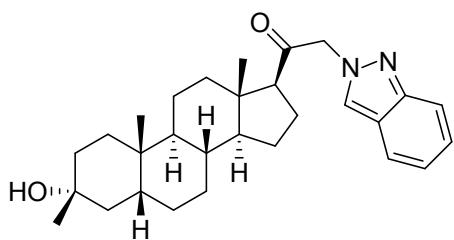


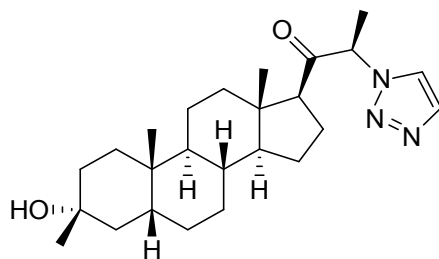
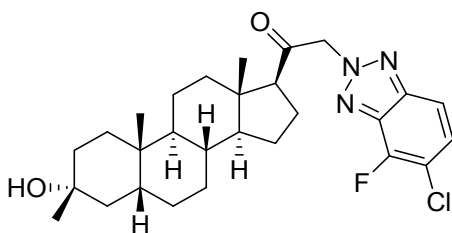
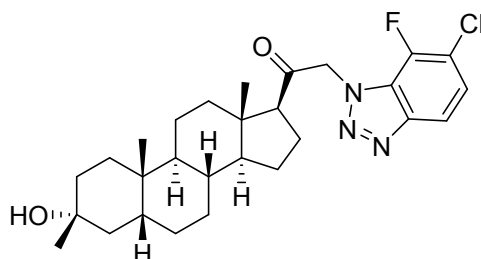
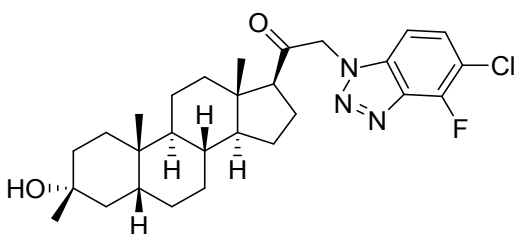
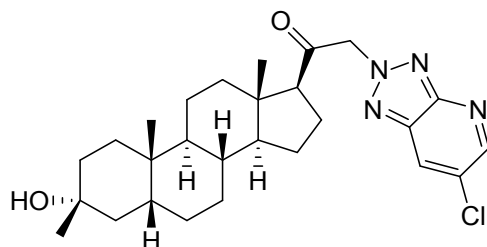
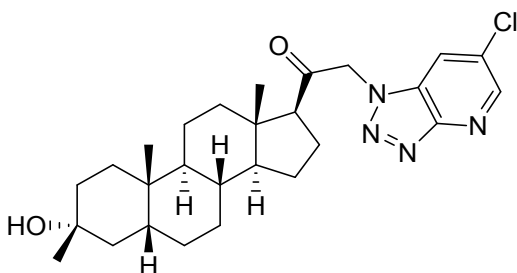
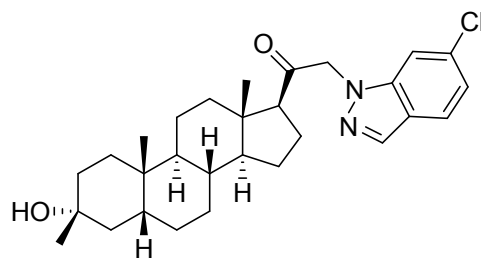
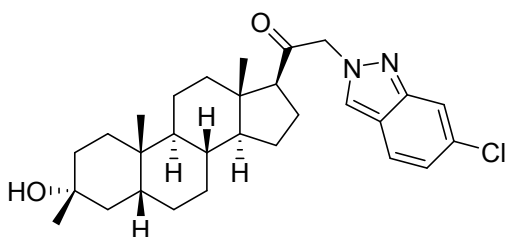
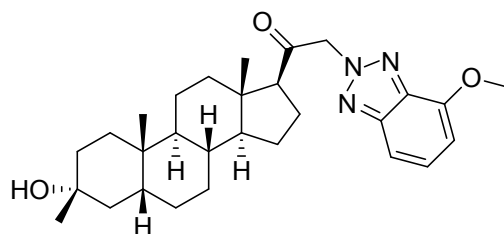
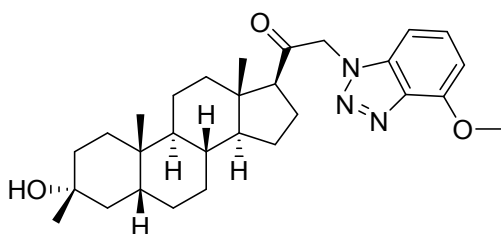
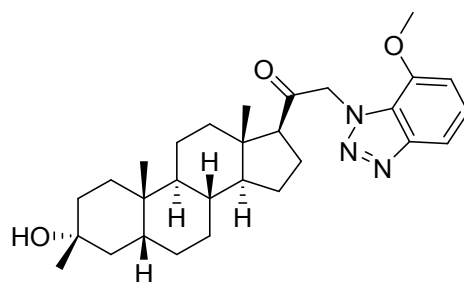
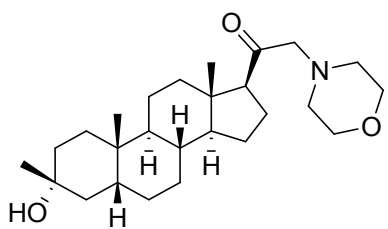
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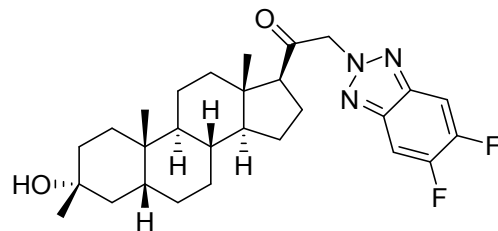
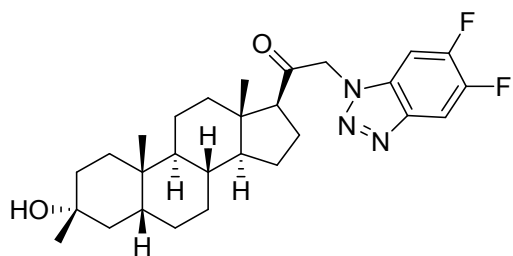
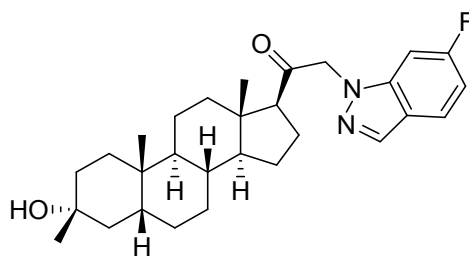
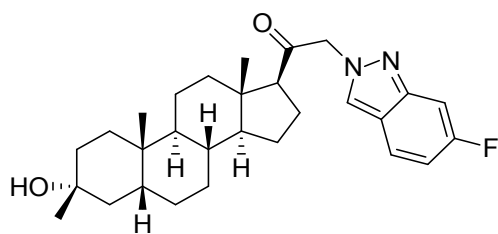
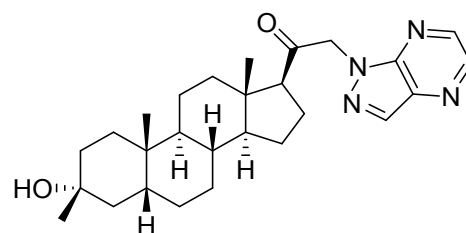
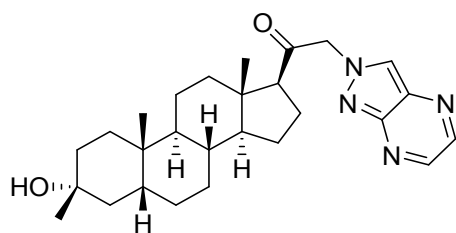
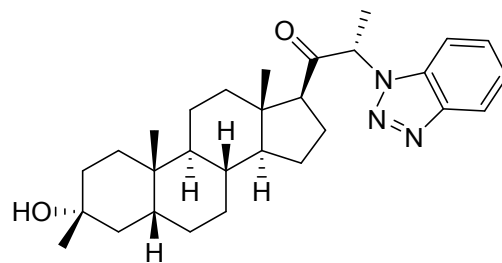
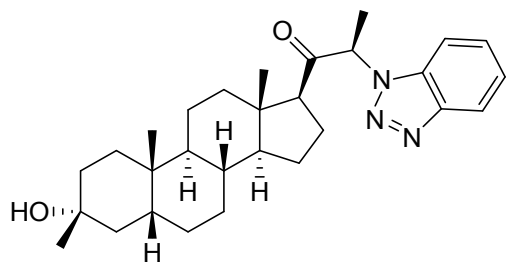
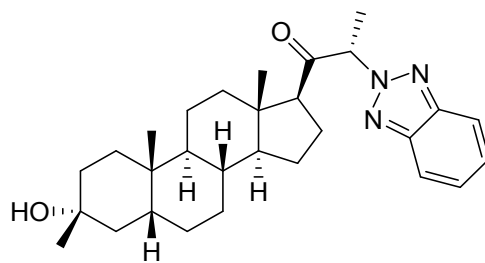
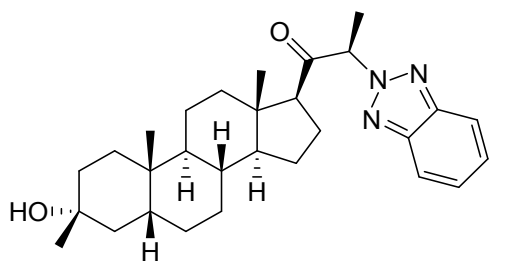


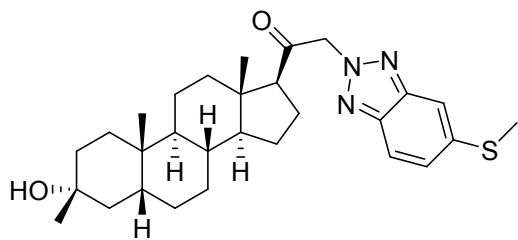
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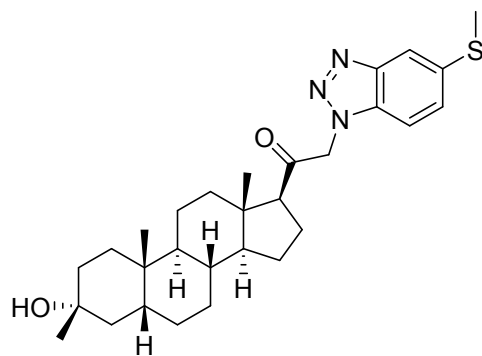




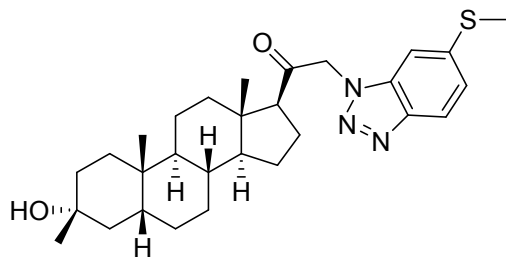




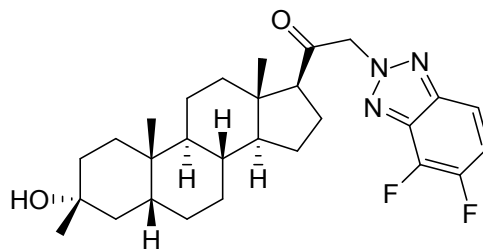
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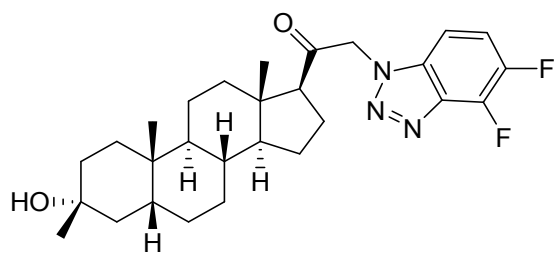
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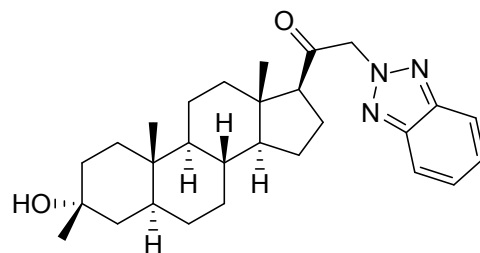
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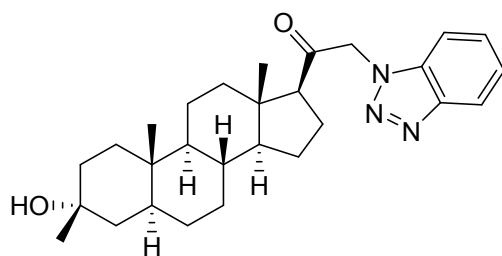
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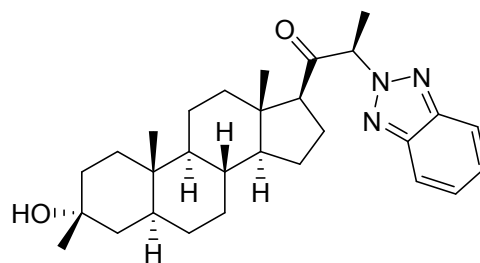
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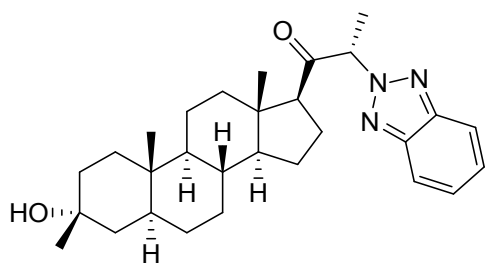
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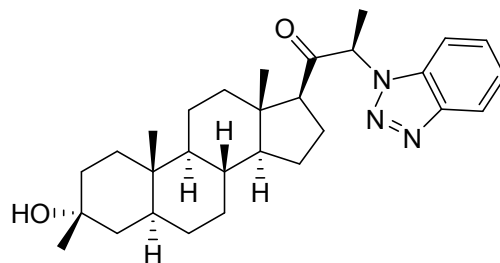
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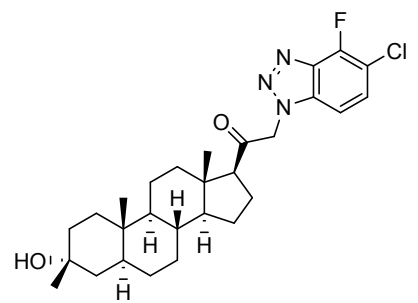
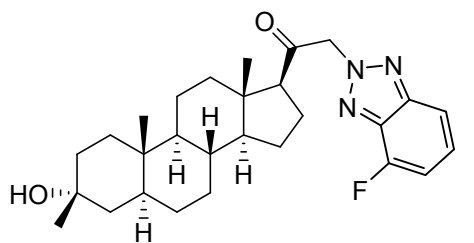
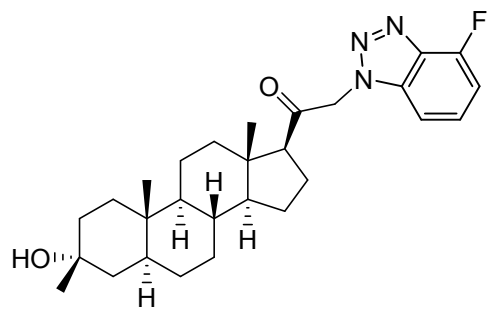
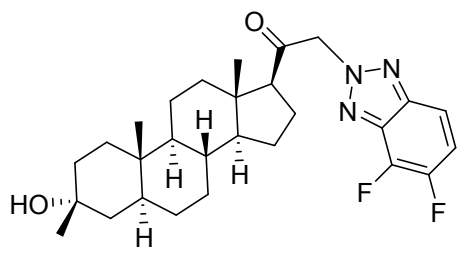
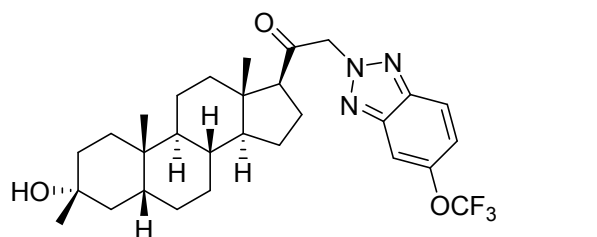
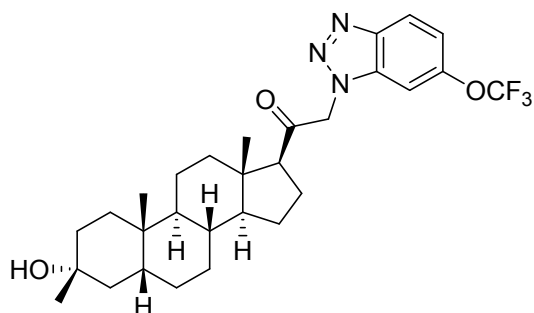
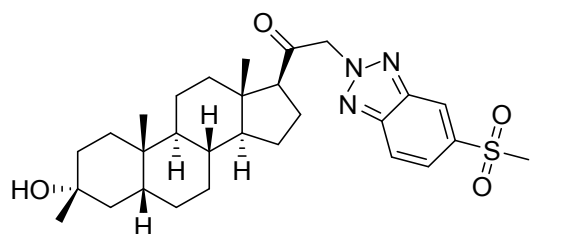
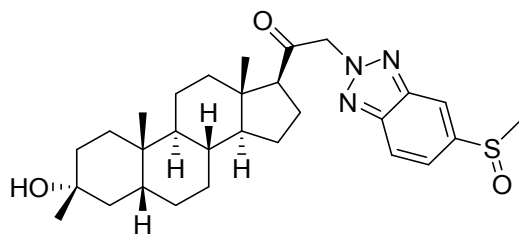
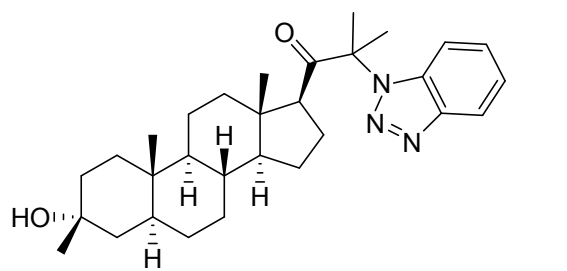
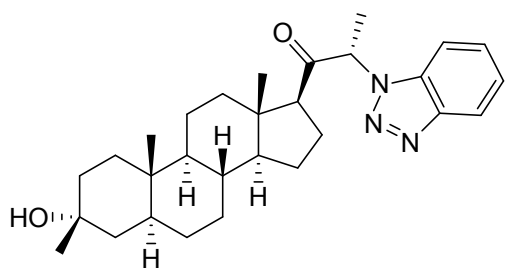
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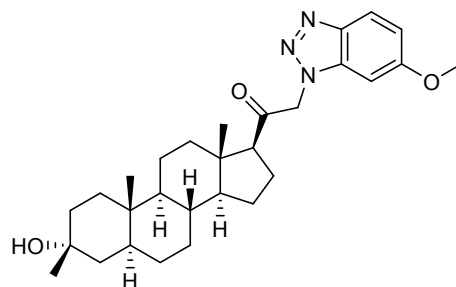
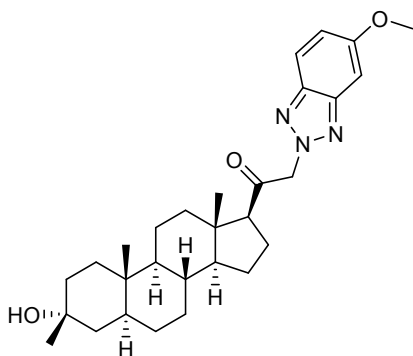
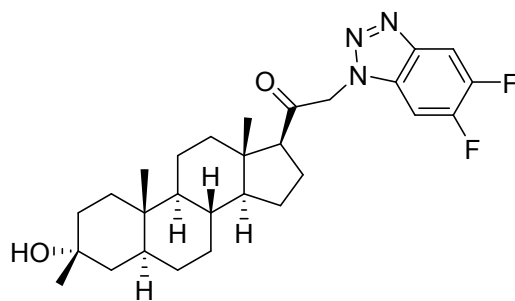
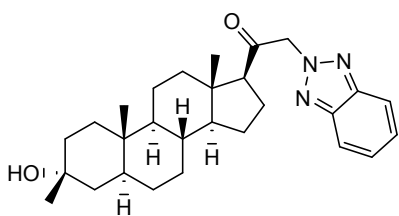
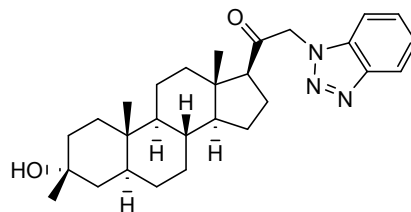
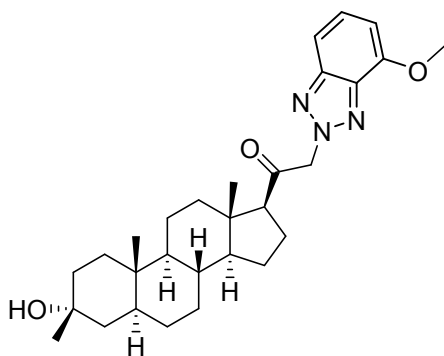
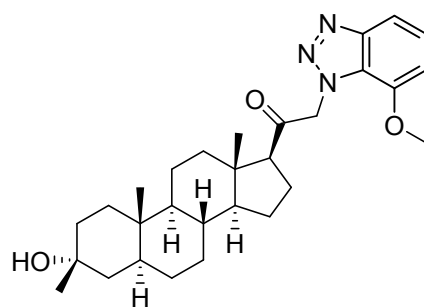
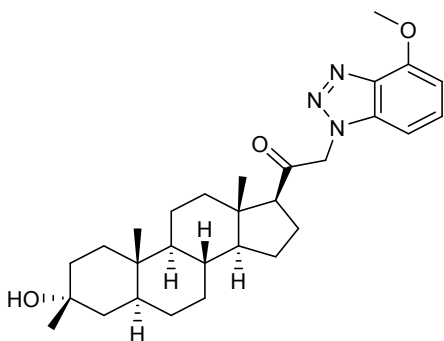
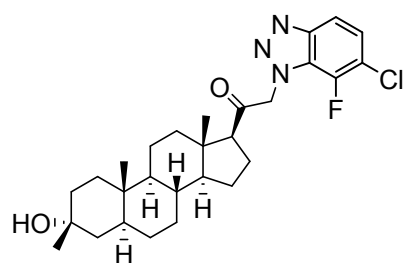
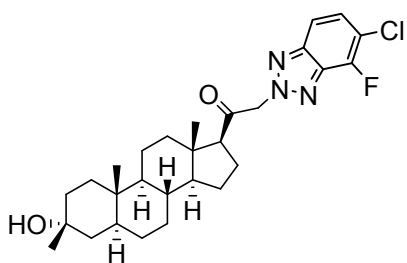


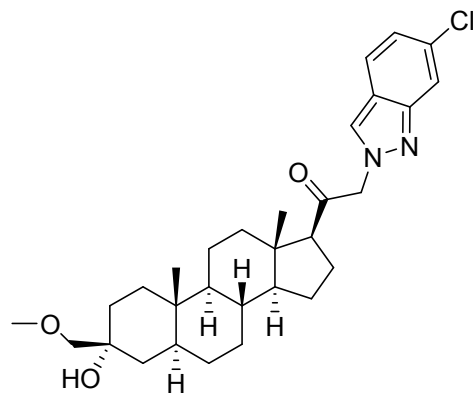
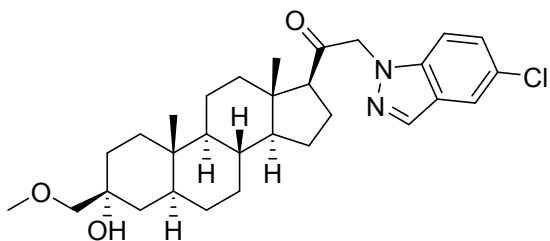
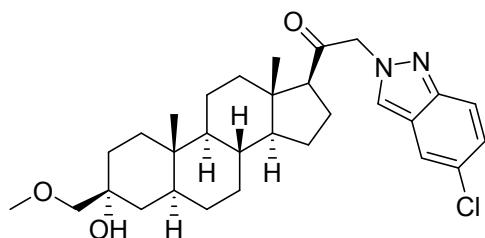
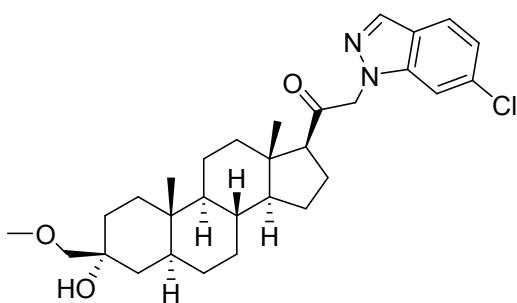
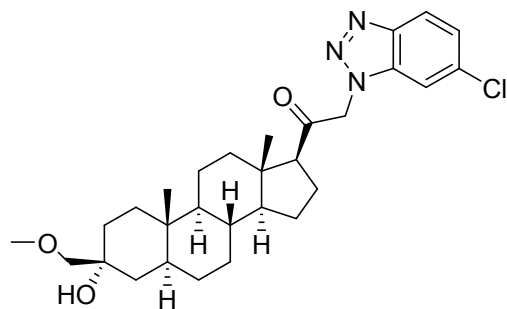
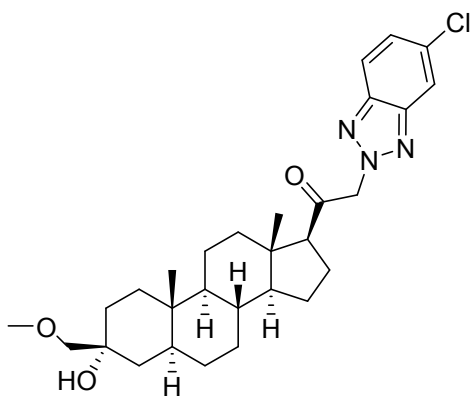
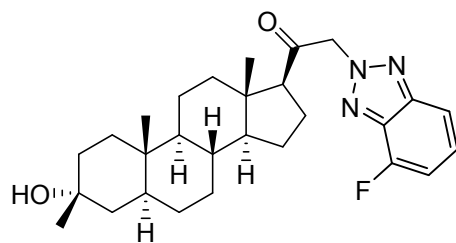
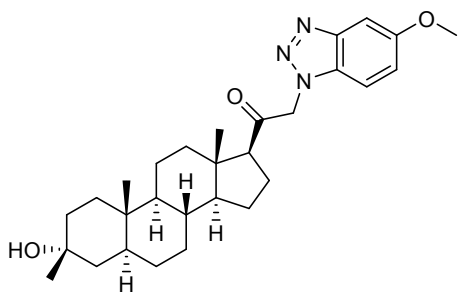
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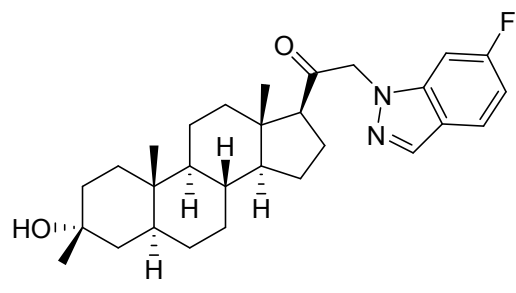
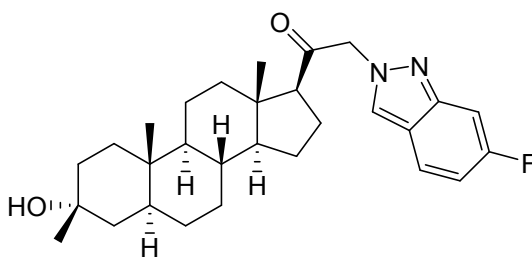
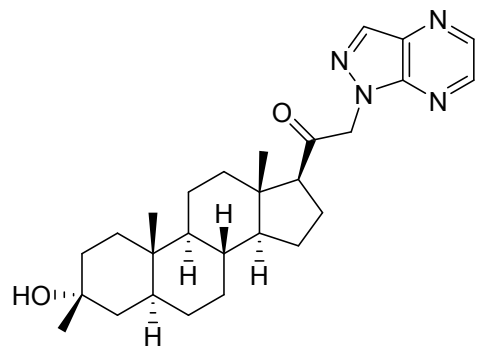
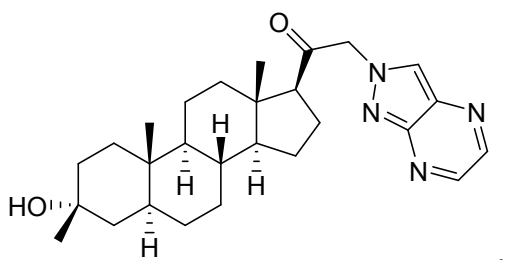
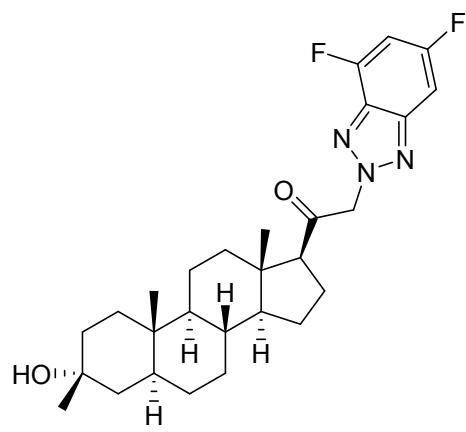
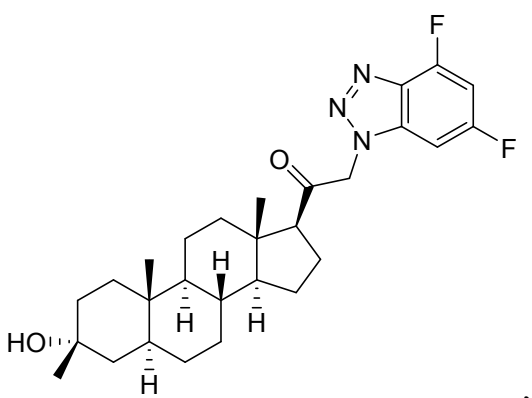
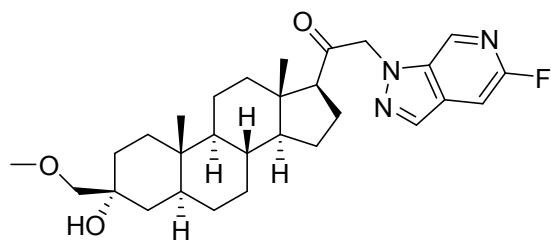
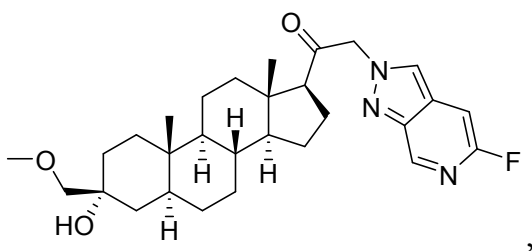
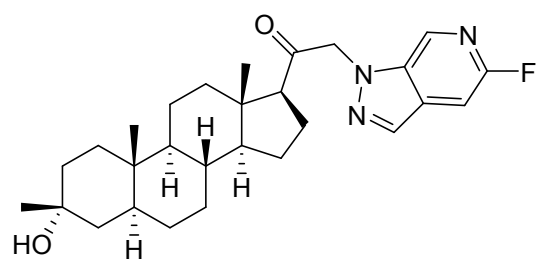
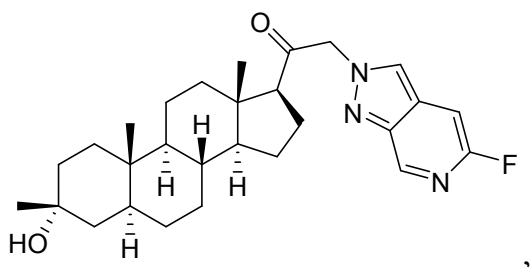


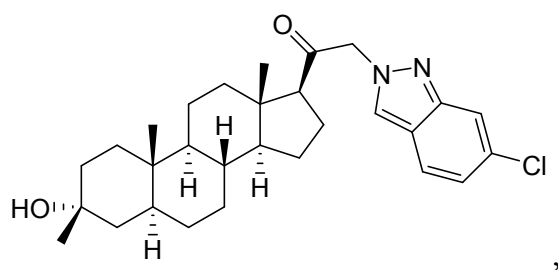
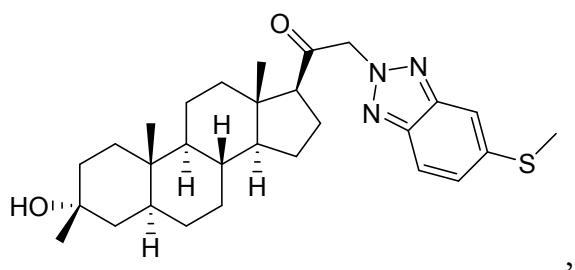
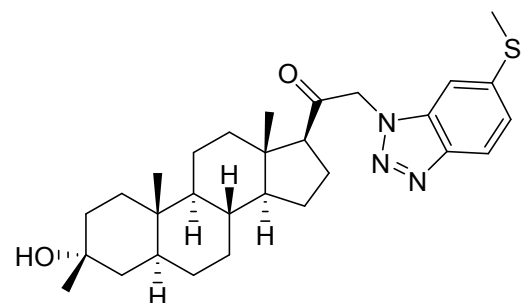
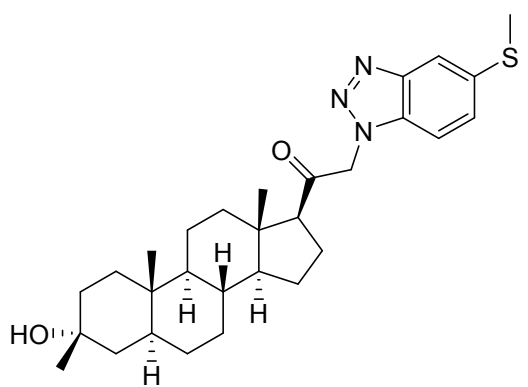
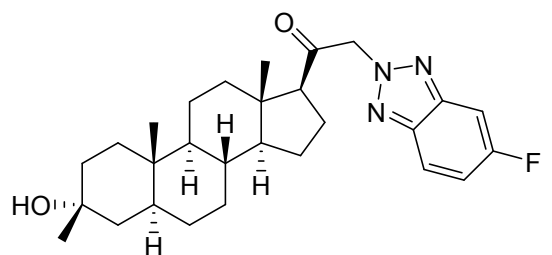
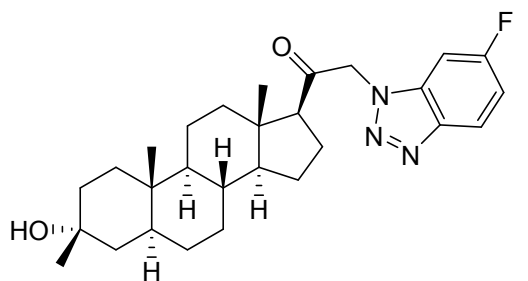
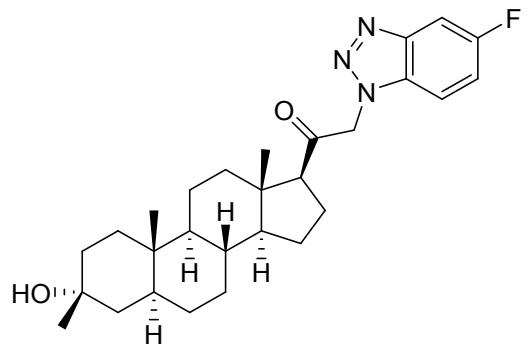
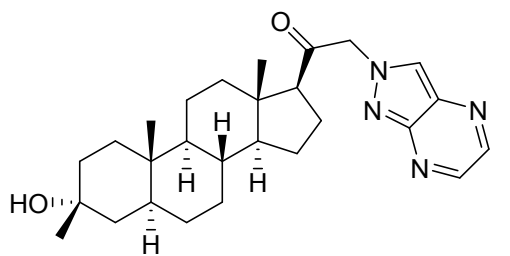
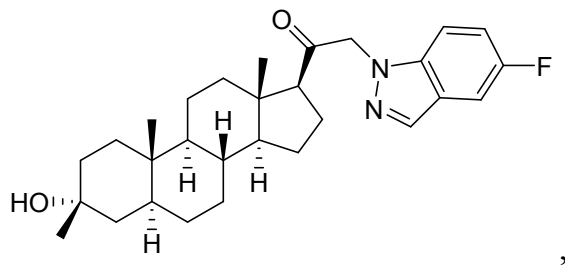
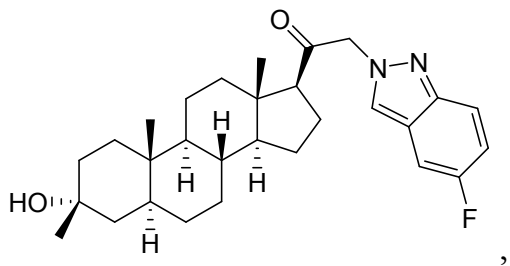
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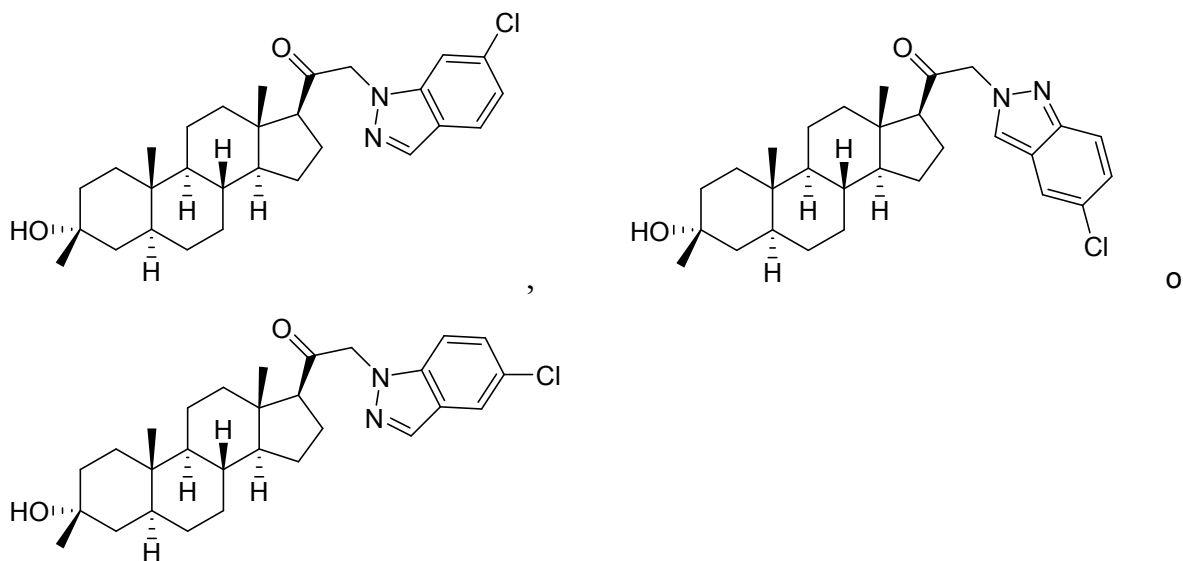




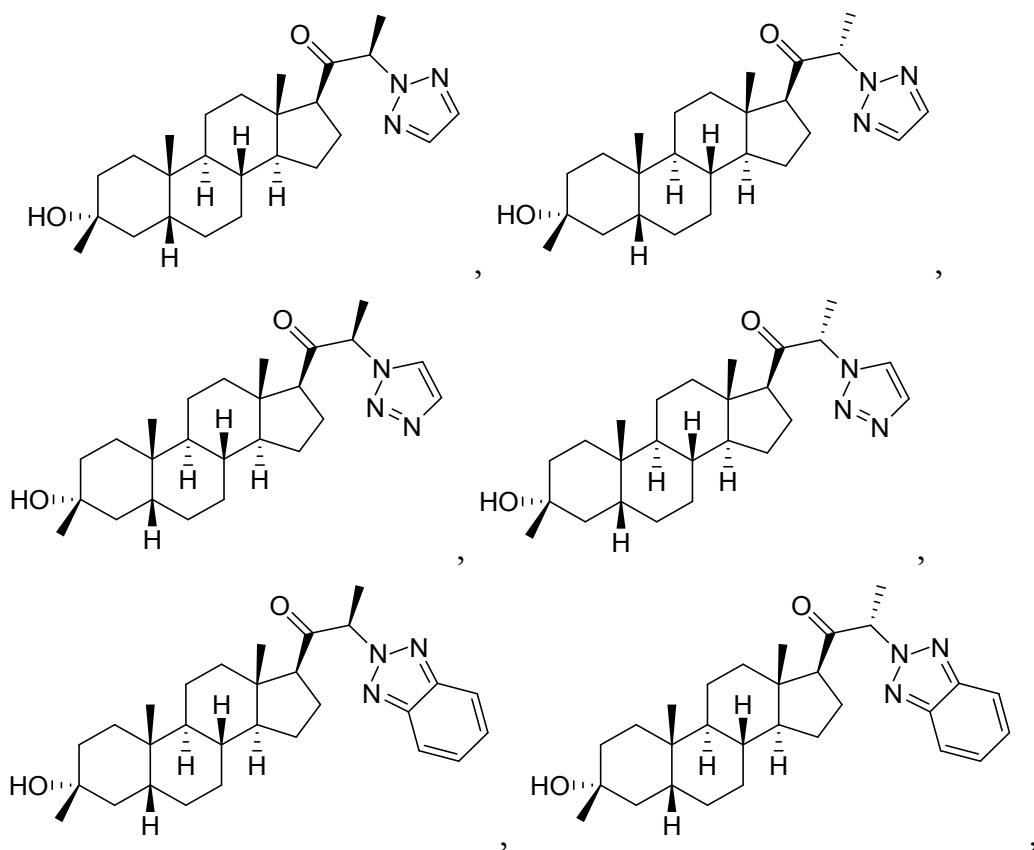


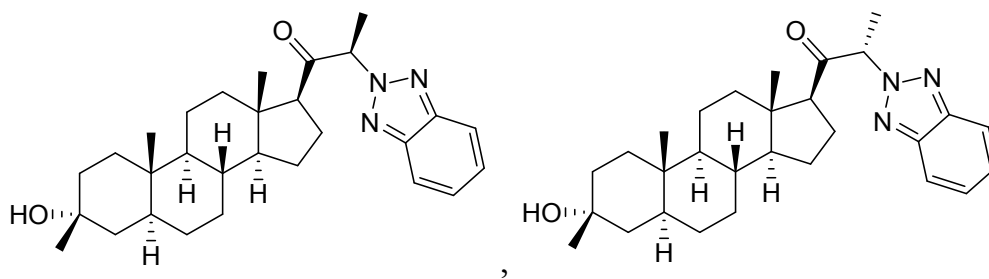
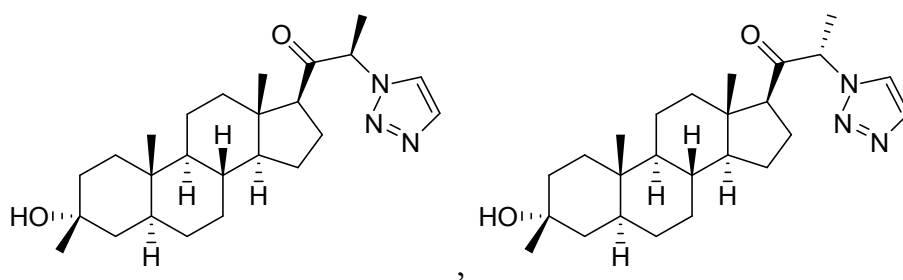
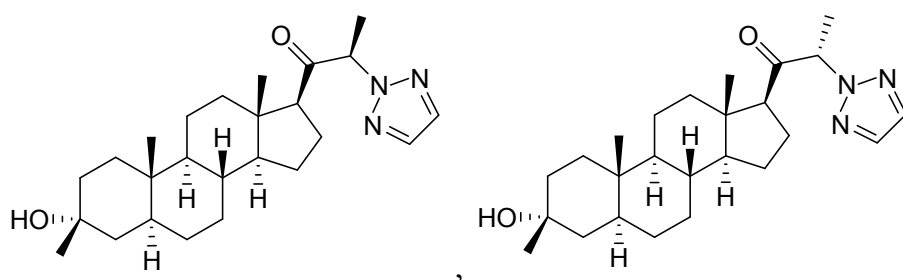
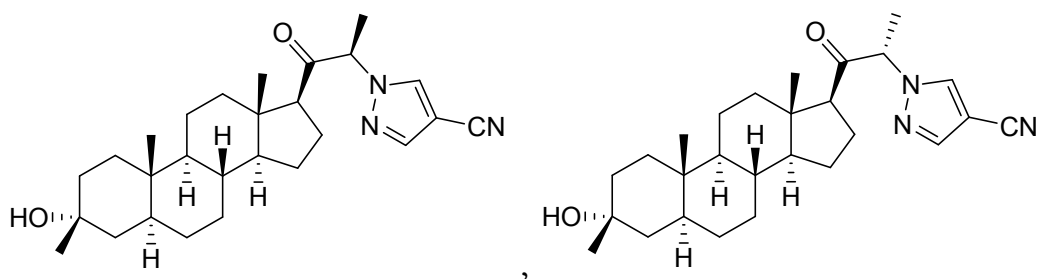
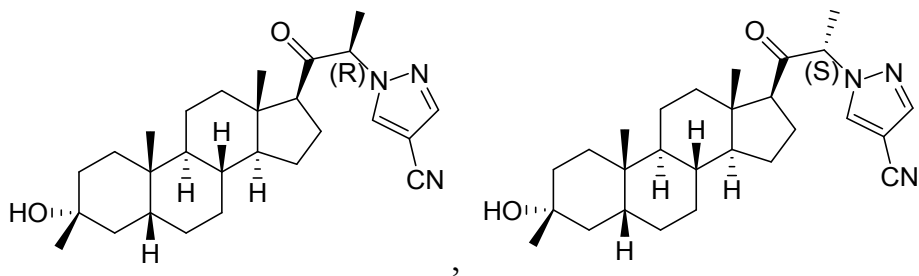
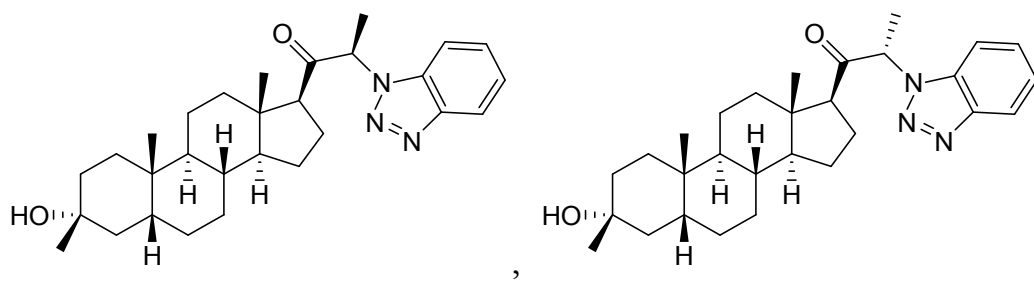


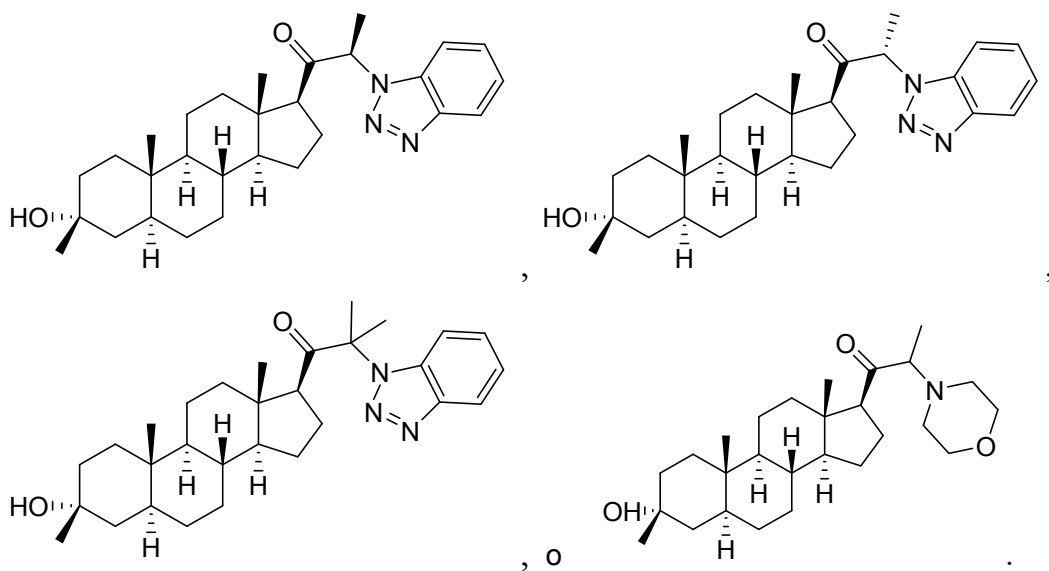




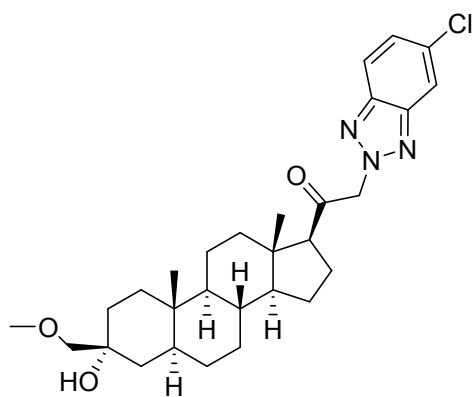
34. Un compuesto, en donde el compuesto es:



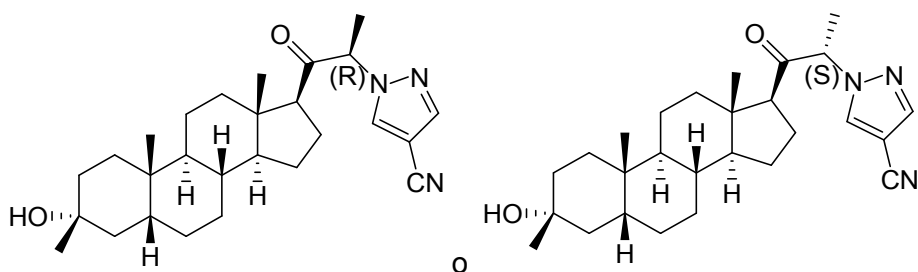




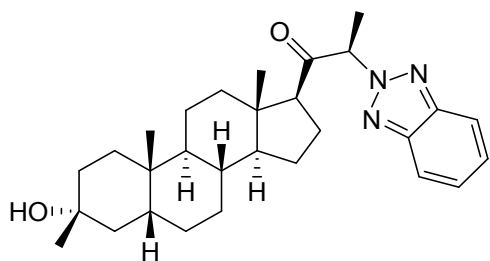
35. Un compuesto, en donde el compuesto es:



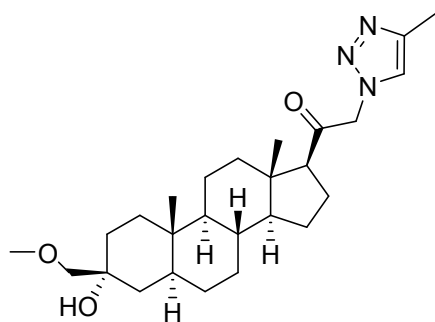
36. Un compuesto, en donde el compuesto es:



37. Un compuesto, en donde el compuesto es:



38. Un compuesto, en donde el compuesto es:



39. Una composición farmacéutica que comprende un compuesto de una cualquiera de las reivindicaciones precedentes y un excipiente farmacéuticamente aceptable.

P-13426

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO
DIRECCIÓN DE NUEVAS CREACIONES

E. S. D.

Re: Expediente No. **NC2017/0004649**
Solicitud de patente a nombre de **SAGE THERAPEUTICS INC.**

Yo, CAROLINA DAZA MONTALVO identificada como aparece al pie de mi firma, domiciliada en la Carrera 11 No. 86-53, obrando como apoderada de la sociedad **SAGE THERAPEUTICS INC.**, domiciliada en Cambridge, Massachusetts, Estados Unidos de América, solicitante de la patente de la referencia, en respuesta al Oficio No. **9224** notificado por comunicación electrónica el 31 de julio de 2018 y relacionado con concepto técnico de fondo, me permito manifestar:

1. Título

En primer lugar, tomando en consideración lo expuesto por el examinador en el oficio arriba mencionado con relación al título de la presente solicitud, me permito manifestar que es deseo del solicitante presentar el siguiente nuevo título:

«ESTEROIDES NEUROACTIVOS C21 SUSTITUIDOS»

De esta manera, el nuevo título es lo suficientemente claro, breve y descriptivo para referirse a la solicitud en estudio.

2. Modificaciones al capítulo reivindicatorio

Por otro lado, con fundamento en la facultad que confiere el Artículo 34 de la Decisión 486/00 al solicitante para modificar la solicitud de patente en cualquier momento del trámite, me permito presentar junto con este memorial un nuevo capítulo reivindicatorio que consta de 39 reivindicaciones y reemplaza completamente al anteriormente presentado, el cual comprende las siguientes modificaciones:

2.1. Las reivindicaciones 2 a 11, 21, 22, 24 a 29, 31, 34, 38, 48 y 51 anteriormente presentadas fueron eliminadas.

2.2. La reivindicación 1 fue modificada para restringir su alcance a compuestos de la Fórmula (I-a) o la Fórmula (II-a1) en respuesta a lo sugerido por el examinador.

2.3. Se agregaron 11 nuevas reivindicaciones, las cuales corresponden a las nuevas reivindicaciones 28 a 38, dirigidas a compuestos específicos que se encuentran dentro del alcance de la presente invención.

2.4. El alcance, dependencia y numeración de las reivindicaciones restantes se ajustaron según lo anterior.

En cuanto a estas modificaciones, me permito decir que las mismas no amplían de ninguna manera la materia objeto de la presente solicitud, y se realizaron con el ánimo de superar las objeciones planteadas por el examinador en su concepto técnico.

3. Pago de tasas

En relación con el número de reivindicaciones, atentamente me permito comentar que no se adjunta tasa por reivindicaciones adicionales, toda vez que el nuevo capítulo reivindicatorio cuenta con menos cláusulas que el anteriormente presentado.

Por otra parte, me permito adjuntar recibo por concepto de pago de tasa para un nuevo examen de patentabilidad sobre el nuevo pliego reivindicatorio, según lo estipulado en la Resolución No. 3719 de 2016.

4. Claridad y concisión del capítulo reivindicatorio

Ahora bien, con relación a la claridad y concisión de las reivindicaciones, me permito manifestar que mediante el nuevo capítulo reivindicatorio quedan subsanadas la totalidad de las objeciones a este respecto, ya que las nuevas reivindicaciones proporcionan claridad y concisión a la invención reclamada, cuentan con pleno soporte en la descripción de la solicitud en estudio, y siguen las recomendaciones realizadas por el examinador en su concepto técnico. En particular, frente a cada objeción, me permito señalar lo siguiente:

4.1. *“Las reivindicaciones 1 a 48 no son concisas porque las definiciones de los sustituyentes del compuesto de fórmula I son géneros funcionales que comprenden compuestos que no se encuentran sustentados, se sugiere restringir la solicitud a una razonable generalización del tipo de compuestos que ha sido sintetizado ó probado, es decir, que se encuentran debidamente sustentados. (...)”*

Frente lo anterior, me permito indicar que, tal y como se expuso en el numeral 2.2, la reivindicación 1 fue modificada para restringir su alcance a las fórmulas (I-a) y (II-a1) en respuesta a lo sugerido por el examinador, las cuales son generalizaciones adecuadas

de los compuestos ejemplificados en la solicitud. Además, cabe resaltar que, basándose en la divulgación del solicitante, una persona normalmente versada en la materia podría razonablemente hacer y usar compuestos que estén dentro del alcance de las fórmulas (I-a) y (II-a1). De esta manera, me permito solicitar a ese Despacho que la objeción a este respecto sea retirada.

4.2. *“La reivindicación 51 no se encuentra enteramente sustentada porque menciona un kit de partes pero en la descripción no se evidencia el desarrollo de un kit. Se sugiere restringir la solicitud a lo que se encuentra enteramente sustentado.”*

Con relación a lo anterior, me permito indicar que, tal y como se expuso en el numeral 2.1 del presente memorial, la reivindicación 51 anteriormente presentada fue eliminada del nuevo capítulo reivindicatorio. Por tanto, la objeción a este respecto se ve superada.

En consecuencia, me permito manifestar que el nuevo capítulo reivindicatorio adjunto al presente memorial, que incluye 39 reivindicaciones, cumple a cabalidad con las disposiciones del Artículo 30 de la Decisión 486/00.

5. Descripción

Por otro lado, con relación a lo mencionado por el examinador en cuanto a que: *“La descripción de la solicitud no divulga completamente la invención porque la persona versada en la materia no podría reproducir los kits de partes que comprenden el compuesto de fórmula I. De acuerdo a la descripción se menciona un kit de partes que comprende el compuesto de la fórmula I y un diluyente estéril (pág. 54 y 113), pero este producto corresponde a una composición y no a un kit. Por lo anterior, se sugiere restringir la solicitud a lo que se encuentra enteramente sustentado”*, me permito indicar que, tal y como se mencionó anteriormente, la reivindicación 51 anteriormente presentada, que estaba dirigida al kit objetado por el examinador, fue eliminada del nuevo capítulo reivindicatorio. Por tanto, la objeción a este respecto se ve superada.

6. Novedad y nivel inventivo

Por otra parte, el examinador establece en su concepto técnico que las reivindicaciones 1 a 3 anteriormente presentadas carecen de novedad en vista de los documentos WO1995021617 (D1), WO9805337 (D2), US3983111 (D3), WO0066614 (D4), WO2006131392 (D5) y US5939545 (D6). Además, el examinador objetó las reivindicaciones 4 a 49 y 51 anteriormente presentadas por carecer de nivel inventivo en vista de los documentos D3, D4 y D6.

Sin embargo, amablemente me permito destacar que ninguna de las referencias de la técnica anterior citadas D1 a D6 describe compuestos con un sustituyente de anillo A o E enlazado a través de nitrógeno en la posición C21 independientemente sustituido con 1, 2 o 3 sustituyentes R⁶, un metilo en R¹ (posición C3) y un metilo en C19. Por ejemplo, D1 no describe compuestos que tengan un anillo enlazado a través de nitrógeno en la posición C21 sustituido con R⁶, un metilo en C3 y un metilo en C19. D2 a D6 no enseñan ni divulgan los compuestos de las nuevas reivindicaciones y, por lo tanto, no logran subsanar las deficiencias de D1. Por lo tanto, la técnica anterior no enseña ni divulga los compuestos de las nuevas reivindicaciones. Como tal, las nuevas reivindicaciones son novedosas. Además, sin alguna enseñanza o sugerencia de compuestos como los de las nuevas reivindicaciones, una persona normalmente versada en la materia necesitaría nivel inventivo para llegar a los compuestos de la presente solicitud. De esta manera, las nuevas reivindicaciones son novedosas e inventivas sobre el estado de la técnica.

En consecuencia, atentamente me permito resaltar que los documentos D1 a D6 no afectan la novedad de la presente solicitud, ya que fallan en divulgar todas y cada una de las características técnicas esenciales proporcionadas en la invención reclamada, demostrándose así que las reivindicaciones 1 a 39 del nuevo capítulo reivindicatorio cumplen con el requisito de novedad según los lineamientos del Artículo 16 de la Decisión 486/00. Asimismo, me permito concluir que los documentos D3, D4 y D6 no afectan el nivel inventivo de la presente solicitud y la objeción a este respecto se ve superada, toda vez que no existe motivación alguna para que una persona del oficio normalmente versada en la materia derive de manera obvia la presente invención a partir de dichas anterioridades, demostrándose así que las reivindicaciones 1 a 39 del nuevo capítulo reivindicatorio cumplen también con el requisito de nivel inventivo según los lineamientos del Artículo 18 de la Decisión 486/00.

7. Conclusiones

Finalmente, a la luz de las modificaciones al capítulo reivindicatorio y los argumentos presentados, es posible concluir lo siguiente:

7.1. La presente solicitud es clara, concisa y está debidamente soportada por la descripción, cumpliendo así con los requerimientos del Artículo 30 de la Decisión 486/00.

7.2. La presente solicitud es patentable sobre el documento D1 a D6, de acuerdo con los requerimientos del Artículo 16 de la Decisión 486/00.

7.3. La presente solicitud es patentable sobre los documentos D3, D4 y D6, de acuerdo con los requerimientos del Artículo 18 de la Decisión 486/00.

Por tanto, atentamente me permito solicitar a ese Despacho otorgar el privilegio de patente solicitado a la solicitud en estudio, toda vez que cumple a cabalidad con los requerimientos de la Decisión 486/00.

8. Anexos

- 8.1.** Nuevo capítulo reivindicatorio que comprende 39 reivindicaciones.
- 8.2.** Comprobante de pago de tasa para nuevo examen de patentabilidad.

Señor Director,


CAROLINA DAZA MONTALVO
C.C. 66.783.790 de Palmira Valle
TP-141563 CSJ
notificaciones@clarkemodet.com.co

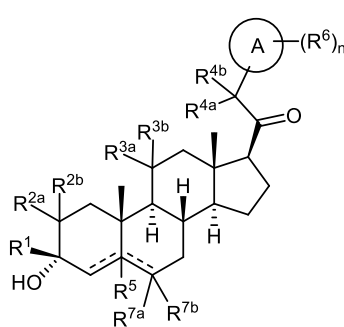
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Nuevo capítulo reivindicatorio

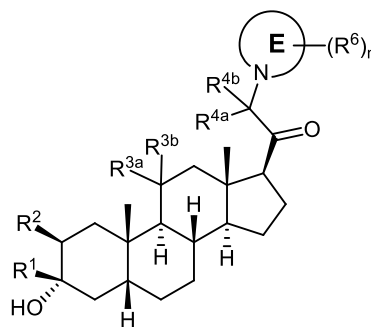
Diciembre 10, 2018

REIVINDICACIONES

1. Un compuesto de la Fórmula (Ia) o la Fórmula (II-a1):



(Ia)



(II-a1)

o una sal farmacéuticamente aceptable del mismo;

donde:

El anillo E es heterociclilo o heteroarilo;

El anillo A es heterociclilo o heteroarilo enlazado a través de nitrógeno;

R⁶ es alquilo C₁₋₆, alquenilo C₂₋₆, alquinilo C₂₋₆, carbociclilo C₃₋₆, haloalquilo C₁₋₆, halógeno, ciano, nitro, OR^{A6}, C(=O)R^{A6}, C(=O)OR^{A6}, SR^{B6}, S(=O)R^{B6}, S(=O)₂R^{B6}, N(R^{C6})(R^{D6}), C(=O)N(R^{C6})(R^{D6}), N(R^{C6})C(=O)R^{A6}; y

n es 1, 2, o 3;

donde R^{A6} es hidrógeno o alquilo C₁₋₆, alquenilo C₂₋₆, alquinilo C₂₋₆, carbociclilo C₃₋₆, o haloalquilo C₁₋₆; R^{B6} es alquilo C₁₋₆ o carbociclilo C₃₋₆; y cada uno de R^{C6} y R^{D6} es independientemente hidrógeno, alquilo C₁₋₆, carbociclilo, heterociclilo, arilo o heteroarilo, o R^{C6} y R^{D6} junto con el átomo de nitrógeno al que están unidos forman un anillo (por ejemplo, un anillo de 3-6 miembros (por ejemplo, anillo de carbociclilo o heterociclilo));

R¹ es metilo;

cada uno de R^{2a} y R^{2b} es independientemente hidrógeno, alquilo C₁₋₆, alquenilo C₂₋₆, alquinilo C₂₋₆, carbociclilo C₃₋₆, o -OR^{A2}, donde R^{A2} es hidrógeno o alquilo C₁₋₆, alquenilo C₂₋₆, C₂₋₆ alquinilo, o carbociclilo C₃₋₆;

R^{3a} es hidrógeno o -OR^{A3}, donde R^{A3} es hidrógeno, alquilo C₁₋₆, alquenilo C₂₋₆, alquinilo C₂₋₆, o carbociclilo C₃₋₆, y R^{3b} es hidrógeno;

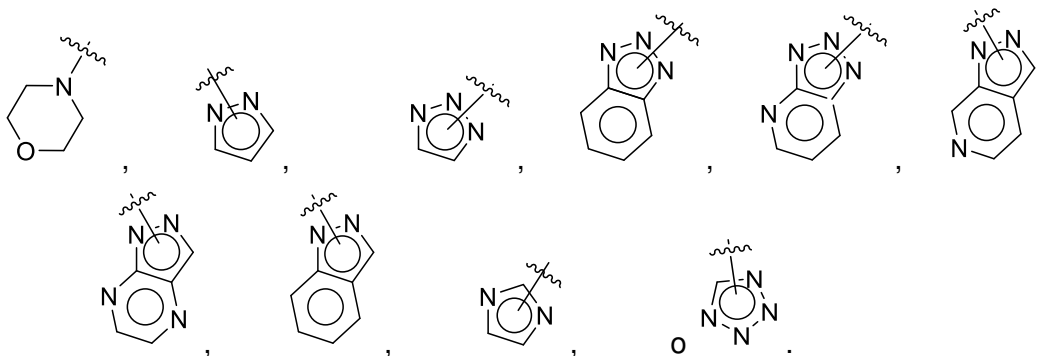
R^{4a} es hidrógeno, alquilo C₁₋₆, o -OR^{A4}, donde R^{A4} es hidrógeno, alquilo C₁₋₆, alquenilo C₂₋₆, alquinilo C₂₋₆, o carbociclilo C₃₋₆, y R^{4b} es hidrógeno o alquilo C₁₋₆; o R^{4a} y R^{4b} se unen para formar un grupo oxo (=O); o R^{4a} y R^{4b} junto con el átomo de carbono al que están unidos forman un anillo;

R⁵ está ausente o es hidrógeno;

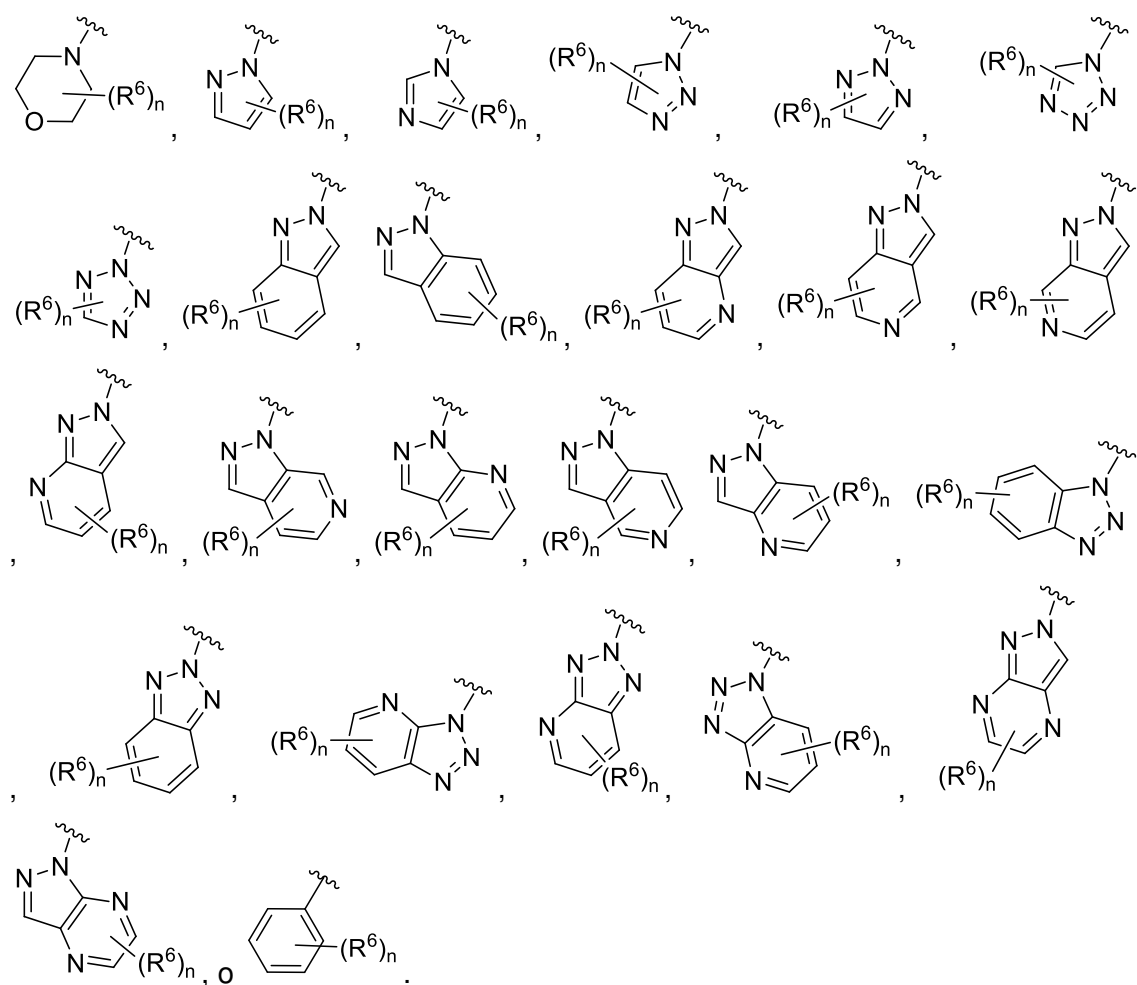
cada uno de R^{7a} y R^{7b} es independientemente hidrógeno o halógeno;

===== representa un enlace simple o doble, en el que cuando uno de ===== es un enlace doble, el otro ===== es un enlace simple; y cuando uno de los ===== es un enlace doble, R^5 está ausente.

2. El compuesto de la reivindicación 1, en la que E se selecciona a partir de:



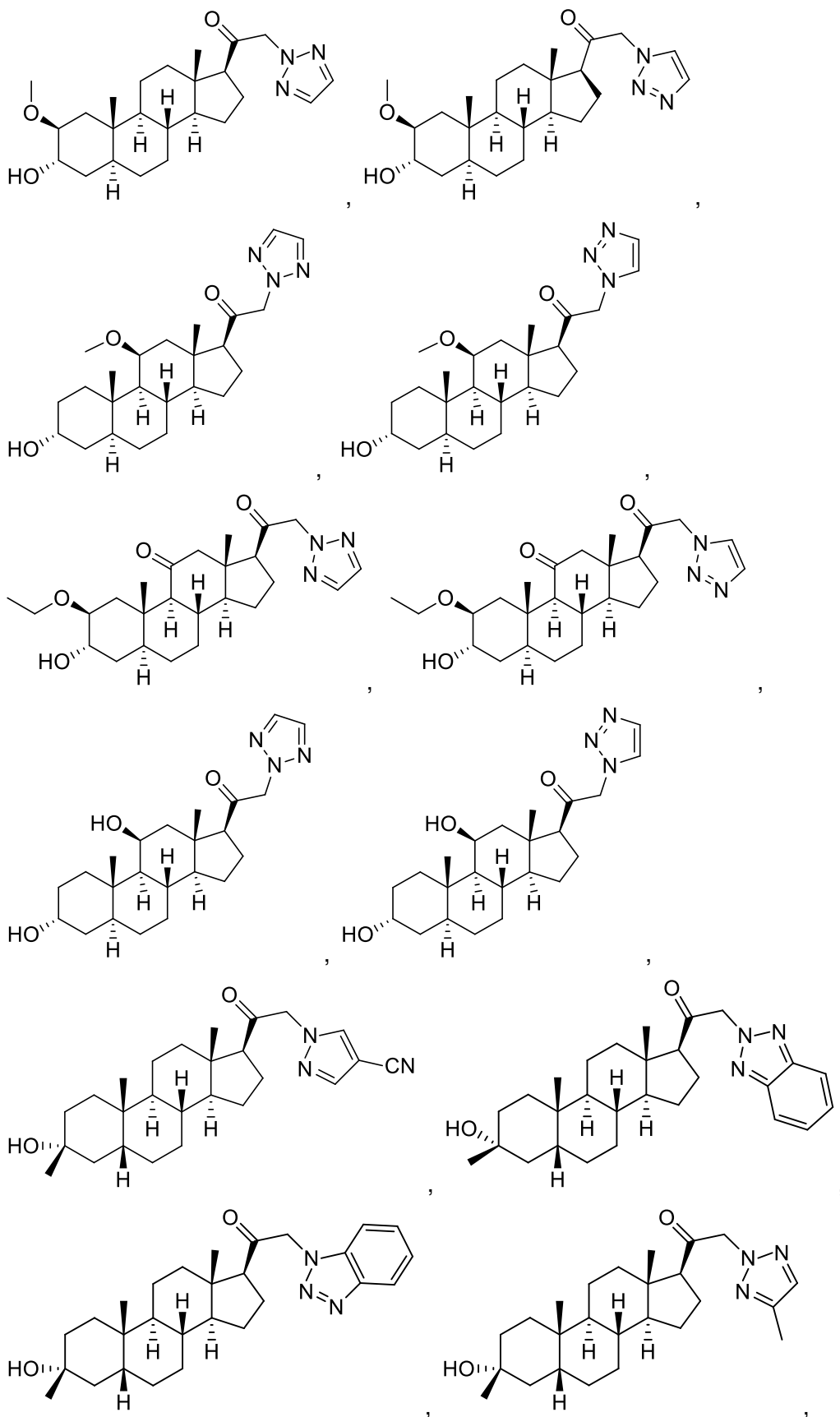
3. El compuesto de cualquiera de las reivindicaciones precedentes, donde A es:

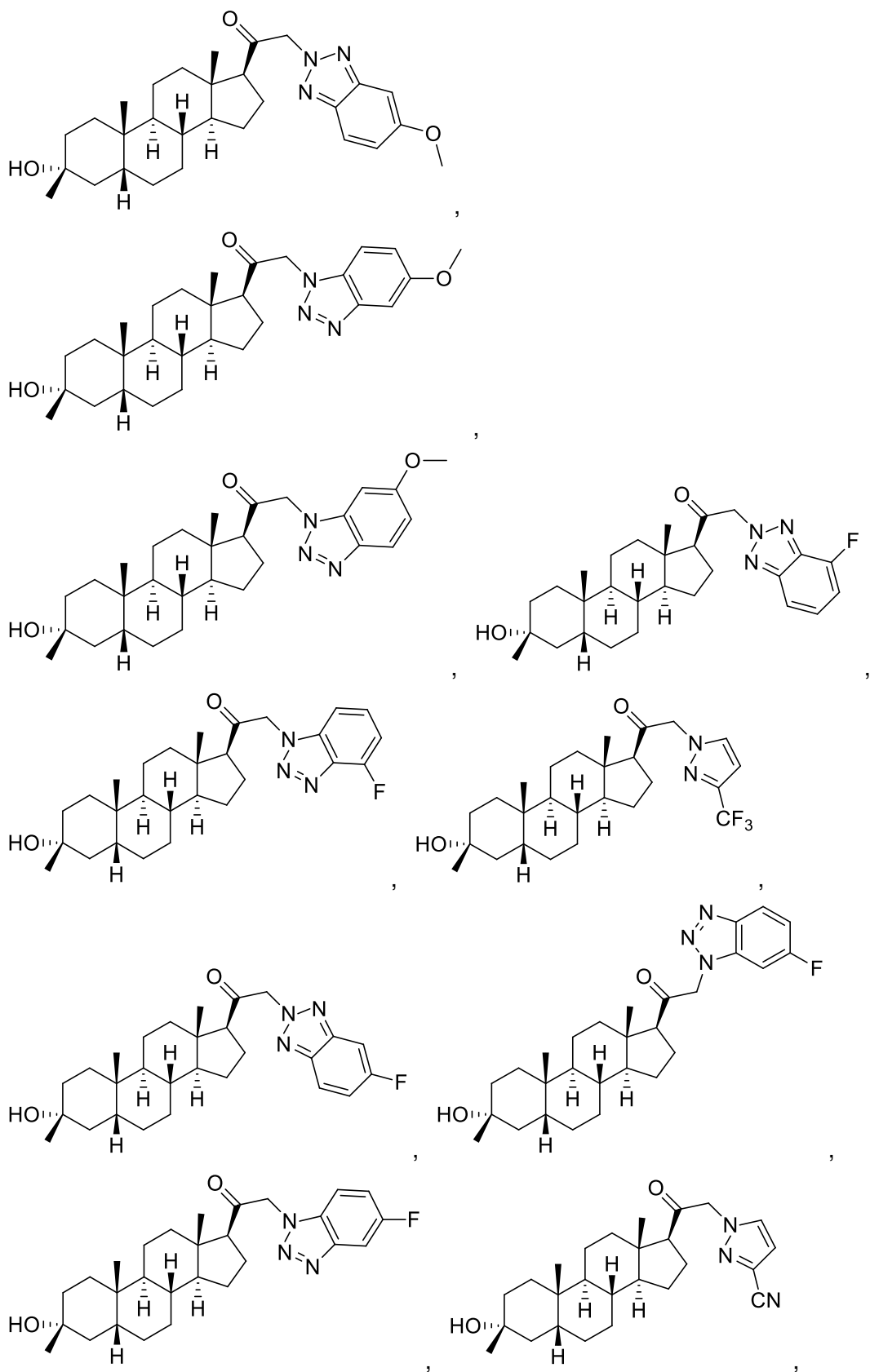


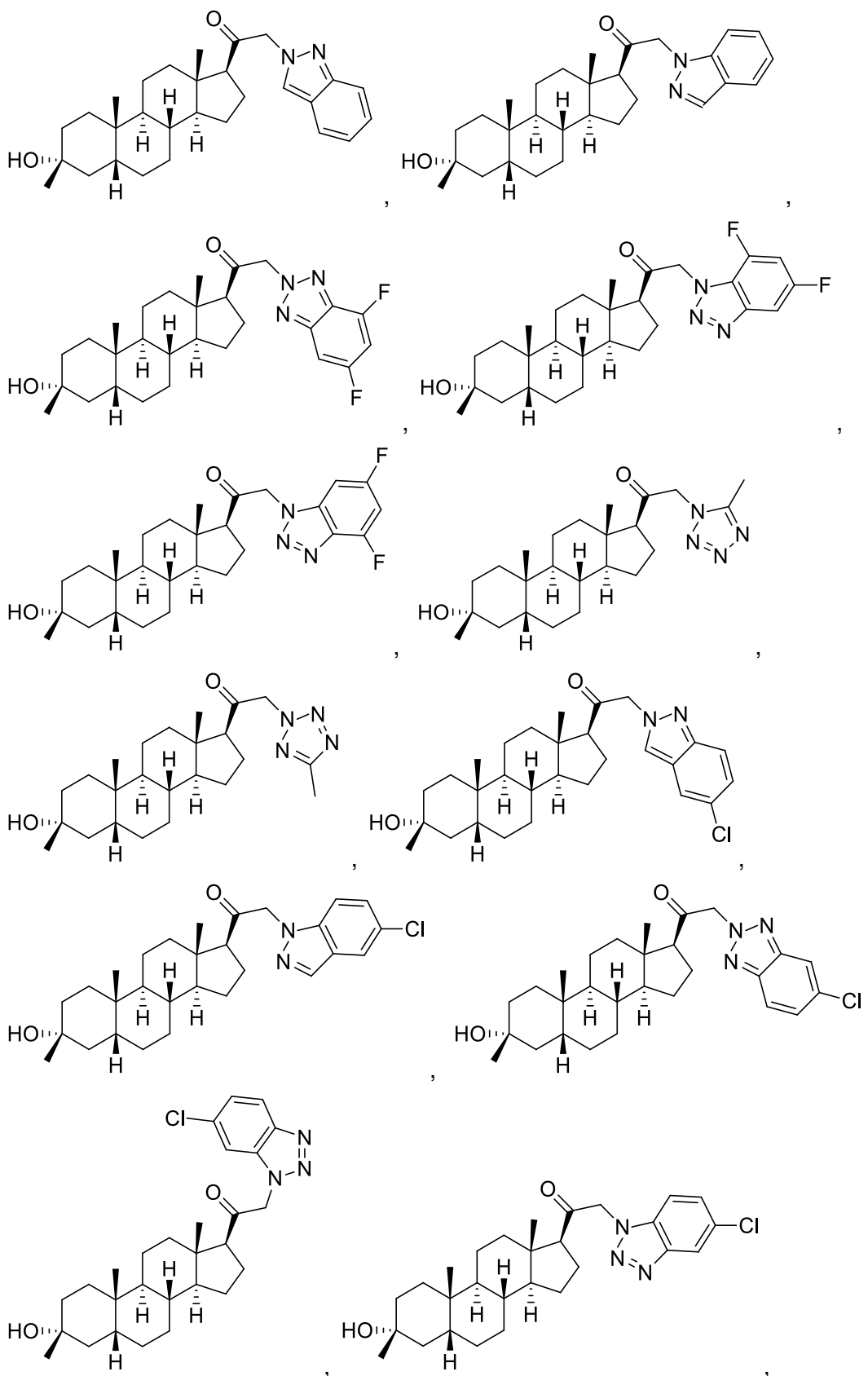
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4. El compuesto de una cualquiera de las reivindicaciones 1 o 2, donde E es un anillo que comprende al menos dos átomos de nitrógeno.
 5. El compuesto de la reivindicación 4, donde E es un anillo que comprende al menos dos átomos de nitrógeno y al menos uno de R^2 , R^{3a} , R^{4a} o R^{4b} no es hidrógeno.
 6. El compuesto de cualquiera de las reivindicaciones 1 o 2, donde E es un anillo que comprende al menos tres átomos de nitrógeno.
 7. El compuesto de cualquiera de las reivindicaciones 1 o 2, donde E es un anillo que comprende cuatro átomos de nitrógeno.
 8. El compuesto de la reivindicación 7, donde al menos uno de R^2 , R^{3a} , R^{4a} o R^{4b} no es hidrógeno.
 9. El compuesto de cualquiera de las reivindicaciones 1 o 2, donde E es un anillo que comprende 2, 3 o 4 átomos de nitrógeno.
 10. El compuesto de cualquiera de las reivindicaciones 1-9, donde E es un anillo seleccionado a partir de pirazol, triazol, tetrazol, indazol, benzotriazol, triazolopiridina, triazolopirazina, pirazolopirazina o morfolina.
 11. El compuesto de la reivindicación 2, donde E es morfolina.
 12. El compuesto de cualquiera de las reivindicaciones precedentes, donde R^{3a} es $-OR^{A3}$, donde R^{A3} es hidrógeno, o alquilo C_{1-6} sustituido o no sustituido.
 13. El compuesto de cualquiera de las reivindicaciones precedentes, donde R^{4a} es hidrógeno, alquilo C_{1-6} sustituido, o alquilo C_{1-6} no sustituido.
 14. El compuesto de cualquiera de las reivindicaciones precedentes, donde R^{4b} es hidrógeno, o alquilo C_{1-6} sustituido, o alquilo C_{1-6} no sustituido.
 15. El compuesto de cualquiera de las reivindicaciones precedentes, donde cada uno de R^{4a} y R^{4a} es independientemente alquilo C_{1-6} no sustituido.
 16. El compuesto de cualquiera de las reivindicaciones precedentes, donde cada uno de R^{4a} y R^{4a} es independientemente hidrógeno.
 17. El compuesto de cualquiera de las reivindicaciones precedentes, donde R^5 es hidrógeno.

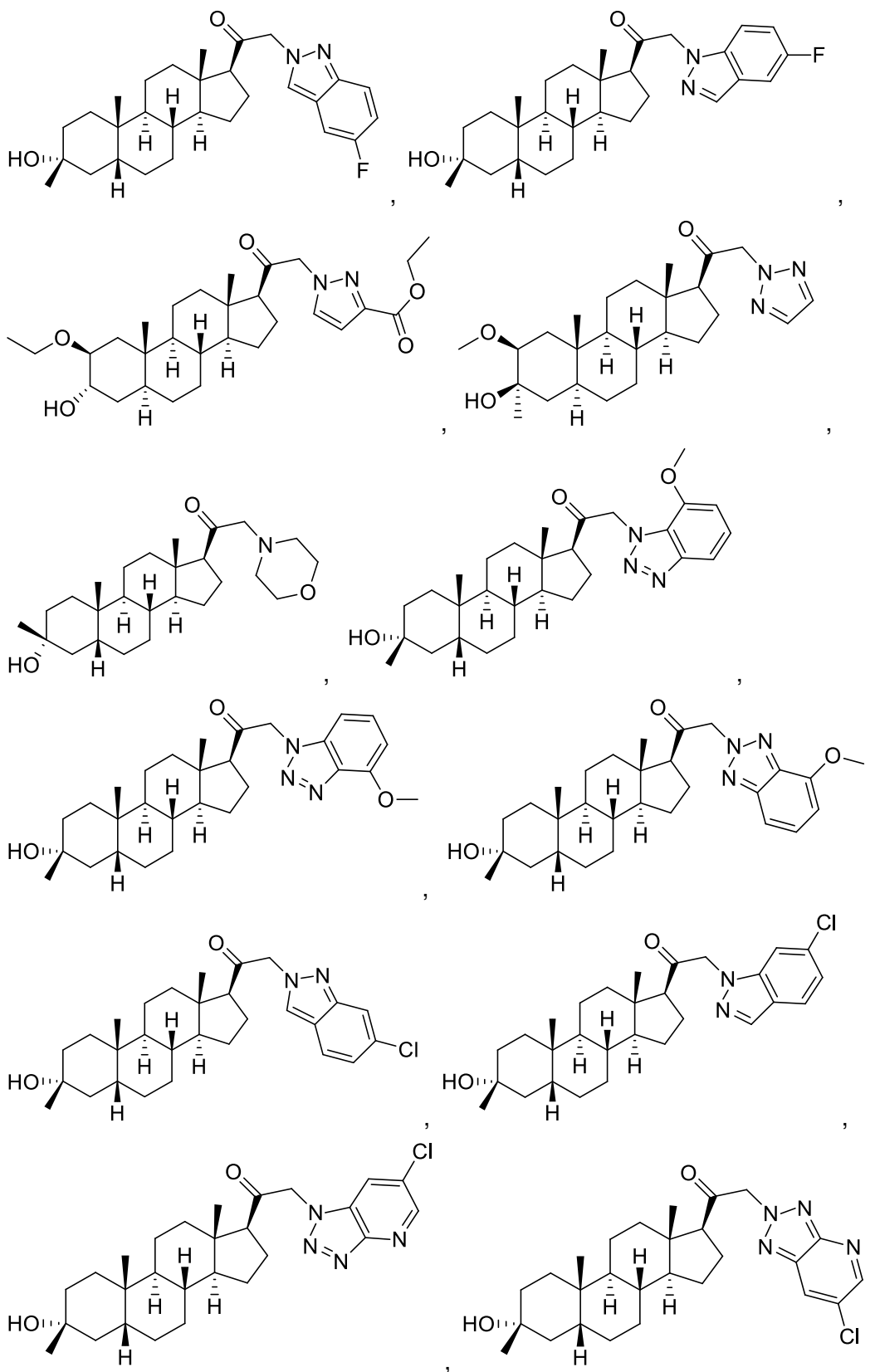
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18. El compuesto de cualquiera de las reivindicaciones precedentes, donde n es 1 y R^6 es alquilo C_{1-6} sustituido o no sustituido, C_{1-6} haloalquilo, halógeno, ciano, $-OR^{A6}$, $-C(=O)OR^{A6}$, $-SR^{B6}$, $-S(=O)R^{B6}$, o $S(=O)_2R^{B6}$, donde R^{A6} es hidrógeno o alquilo C_{1-6} sustituido o no sustituido, haloalquilo C_{1-6} , y R^{B6} es alquilo C_{1-6} sustituido o no sustituido.
19. El compuesto de cualquiera de las reivindicaciones precedentes, donde n es 1 y R^6 es halógeno o ciano.
20. El compuesto de cualquiera de las reivindicaciones precedentes, donde n es 1 y R^6 es alquilo C_{1-6} sustituido o no sustituido.
21. El compuesto de cualquiera de las reivindicaciones precedentes, donde n es 1 y R^6 es haloalquilo C_{1-6} , $-OR^{A6}$, o $-C(=O)OR^{A6}$, donde R^{A6} es hidrógeno o alquilo C_{1-6} sustituido o no sustituido, C_{1-6} haloalquilo .
22. El compuesto de cualquiera de las reivindicaciones precedentes, donde n es 1 y R^6 es SR^{B6} , $-S(=O)R^{B6}$, o $S(=O)_2R^{B6}$, donde R^{B6} es alquilo C_{1-6} sustituido o no sustituido.
23. El compuesto de cualquiera de las reivindicaciones precedentes, donde n es 2 y R^6 es independientemente seleccionado a partir de alquilo C_{1-6} sustituido o no sustituido, haloalquilo C_{1-6} , halógeno, ciano, $-OR^{A6}$, $-C(=O)OR^{A6}$, $-SR^{B6}$, $-S(=O)R^{B6}$, o $S(=O)_2R^{B6}$, donde R^{A6} es hidrógeno o alquilo C_{1-6} sustituido o no sustituido, haloalquilo C_{1-6} , y R^{B6} es alquilo C_{1-6} sustituido o no sustituido.
24. El compuesto de cualquiera de las reivindicaciones precedentes, donde n es 2 y R^6 se selecciona independientemente a partir de un halógeno.
25. El compuesto de cualquiera de las reivindicaciones precedentes, donde n es 2 y uno de R^6 es flúor.
26. El compuesto de cualquiera de las reivindicaciones precedentes, donde R^1 es alquilo C_{1-3} no sustituido y al menos uno de R^2 , R^{3a} , R^{4a} o R^{4b} no es hidrógeno.

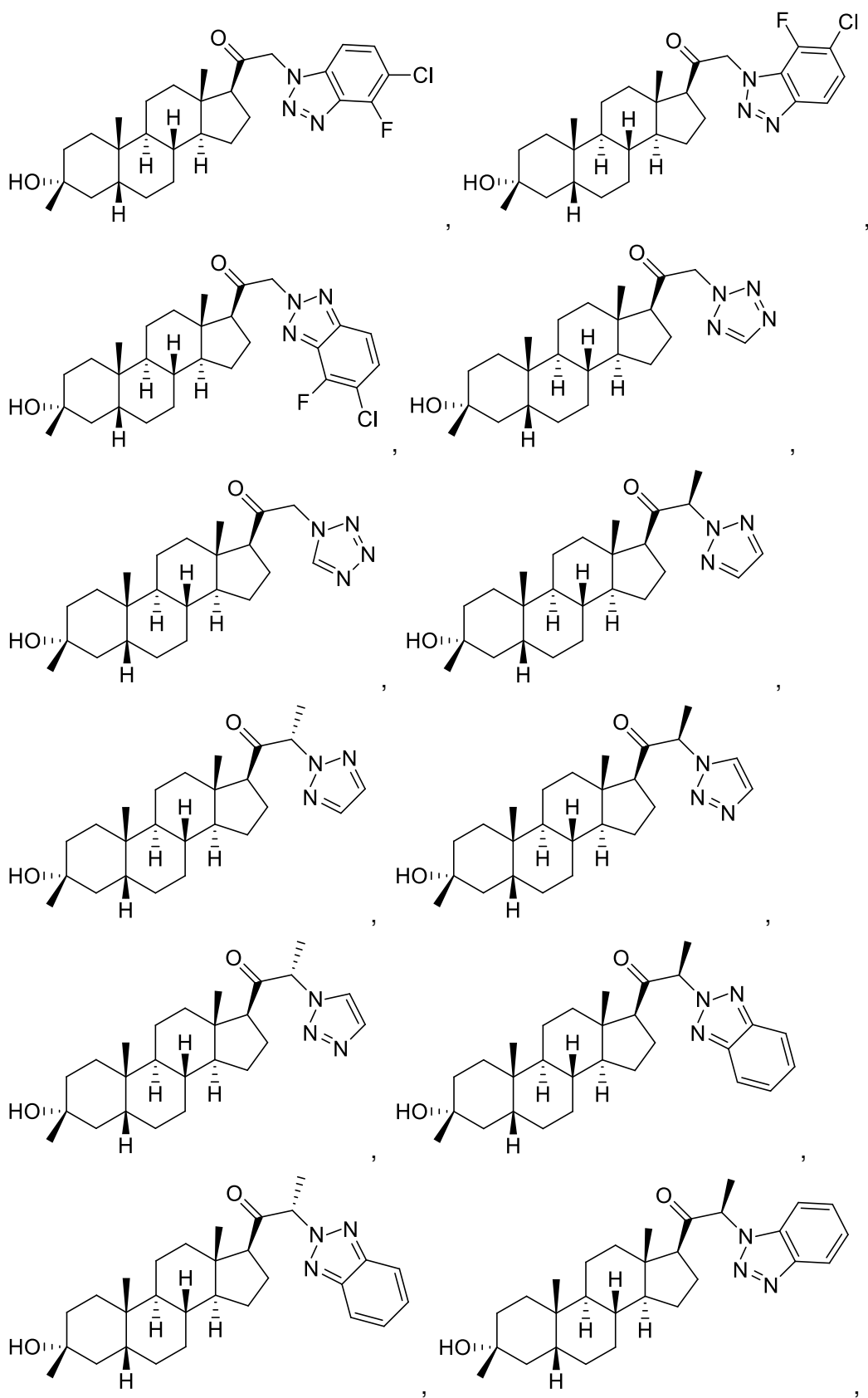
27. Un compuesto, en donde el compuesto es:

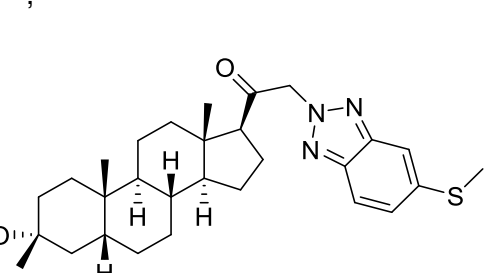
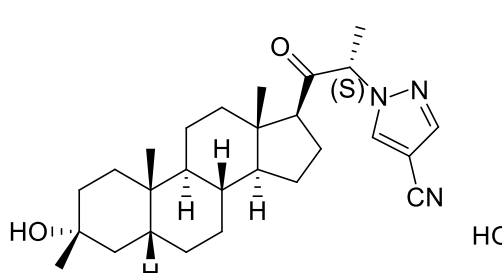
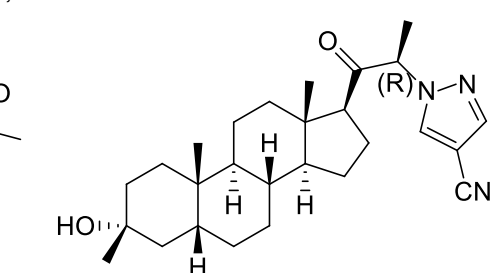
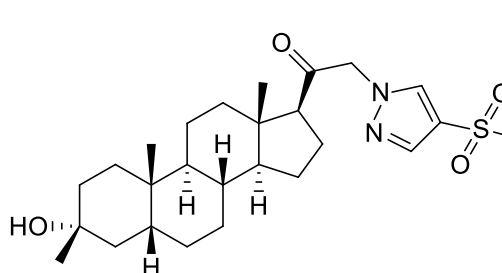
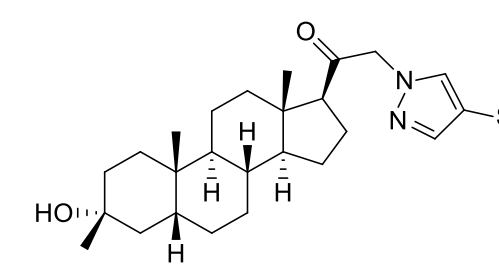
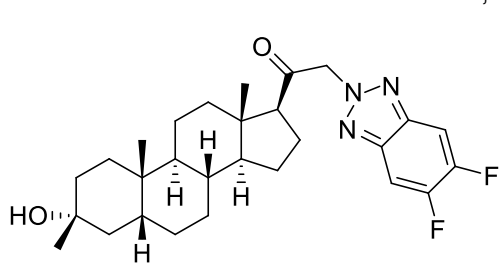
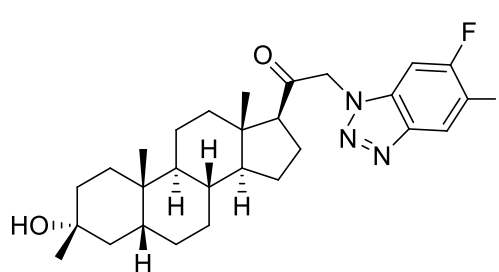
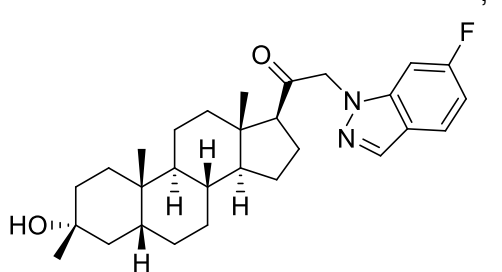
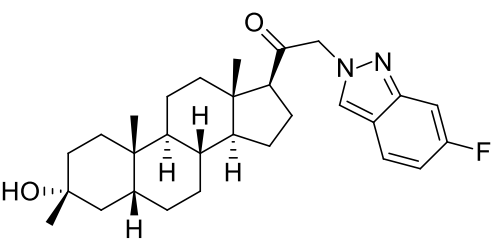
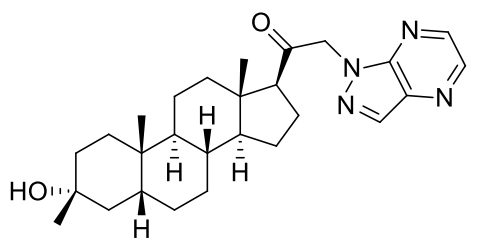
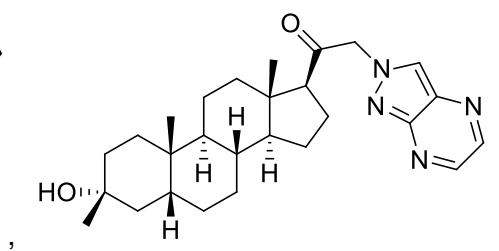
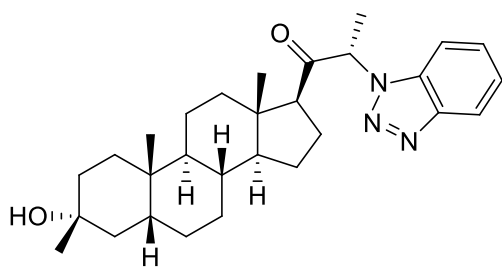


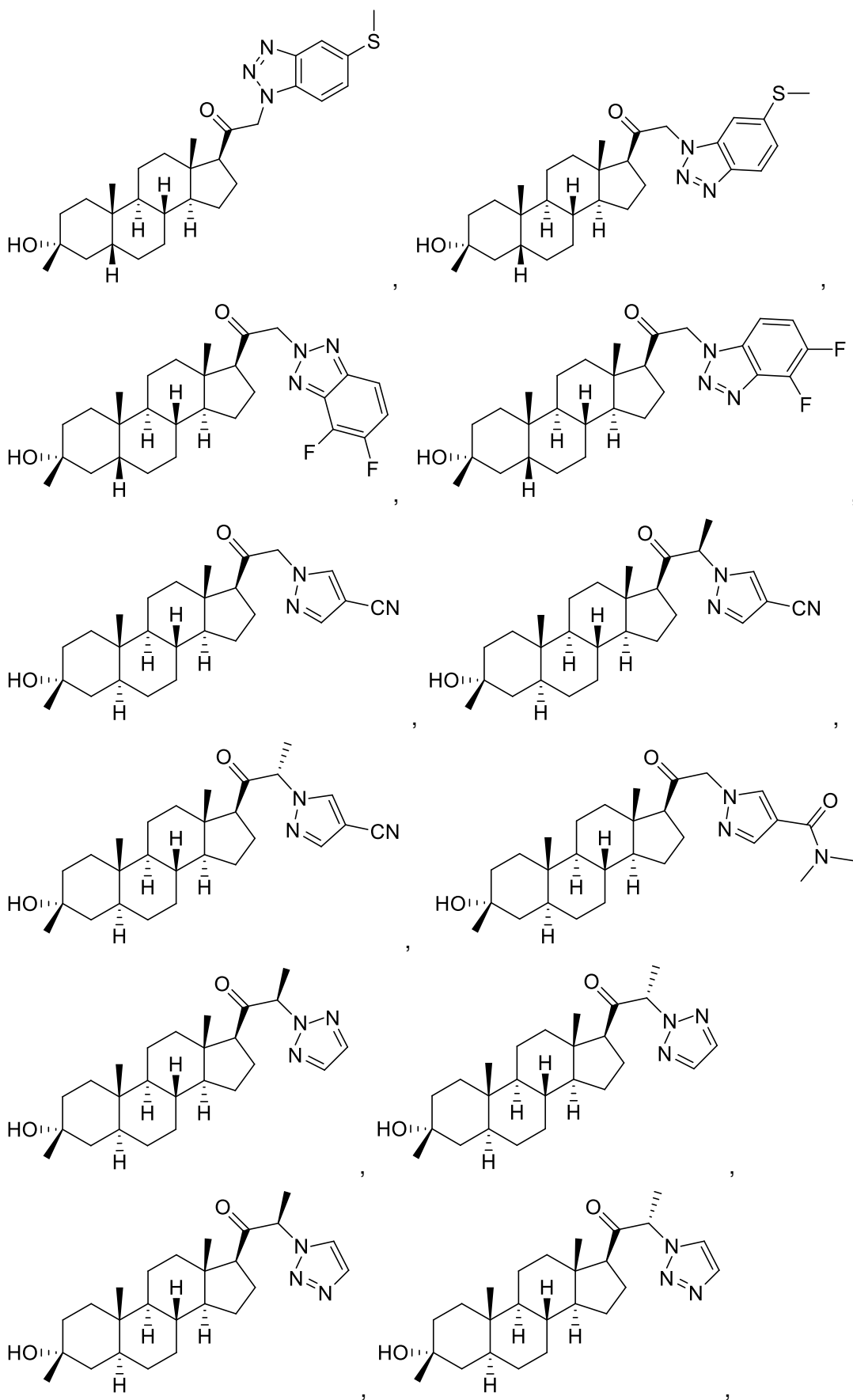


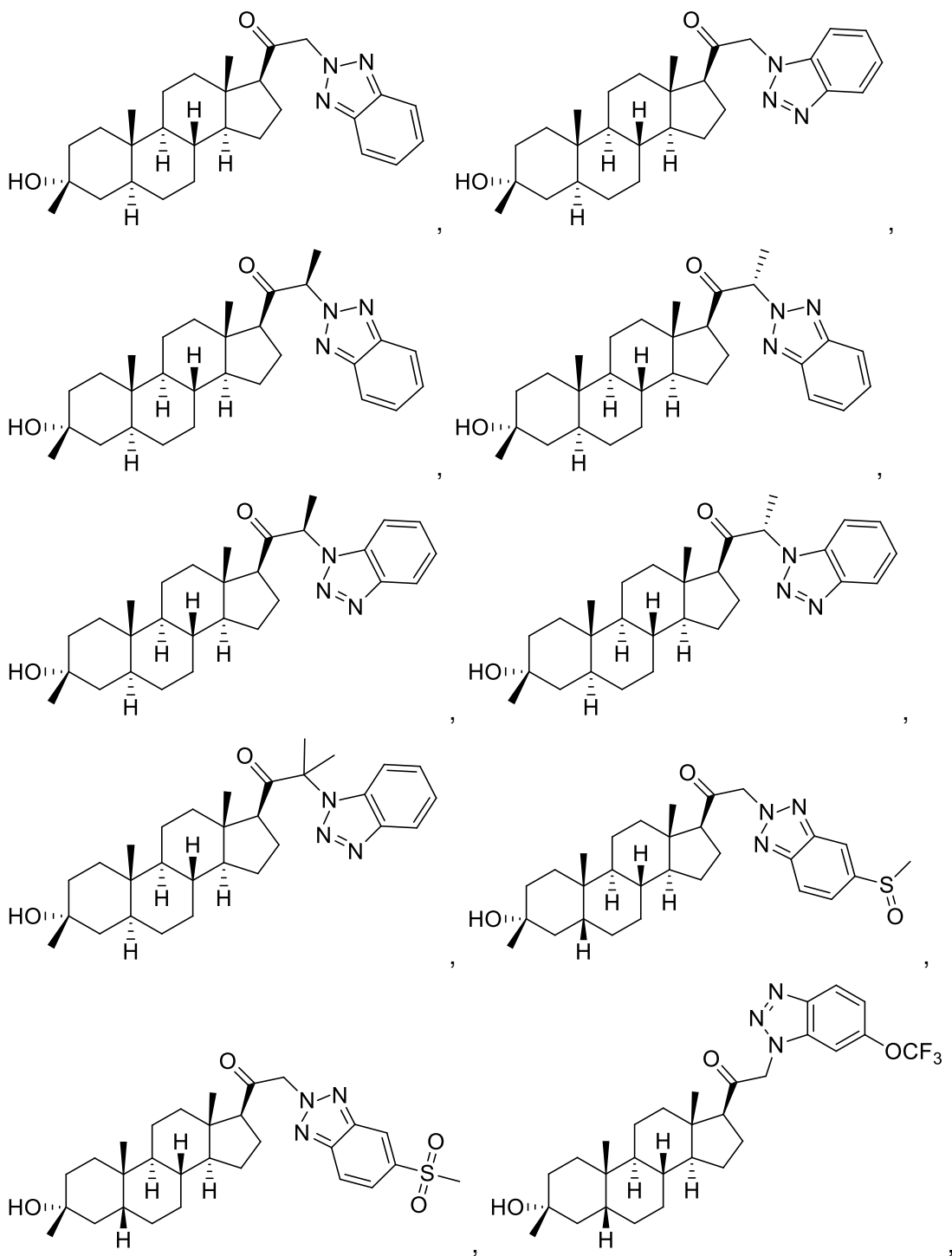


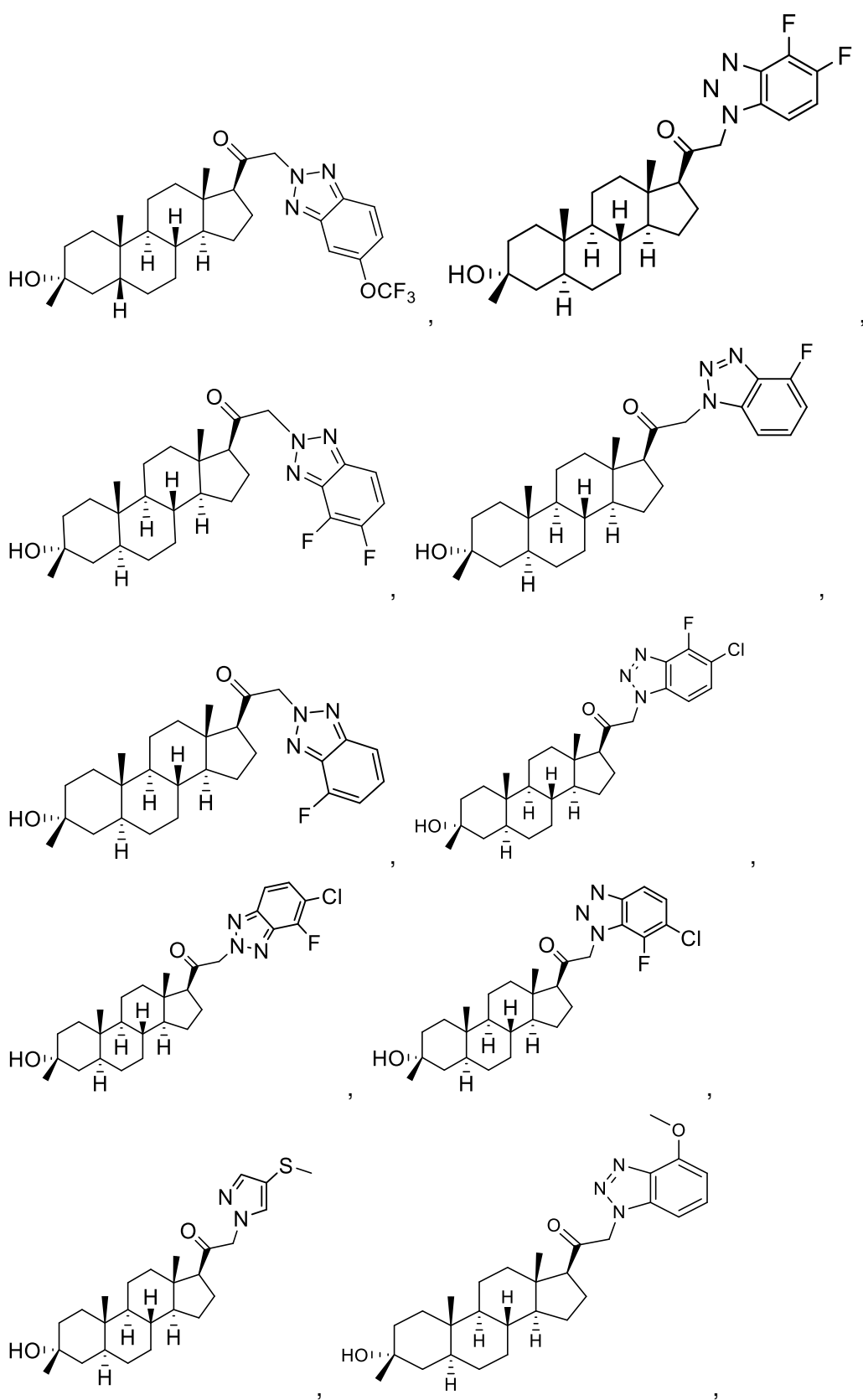


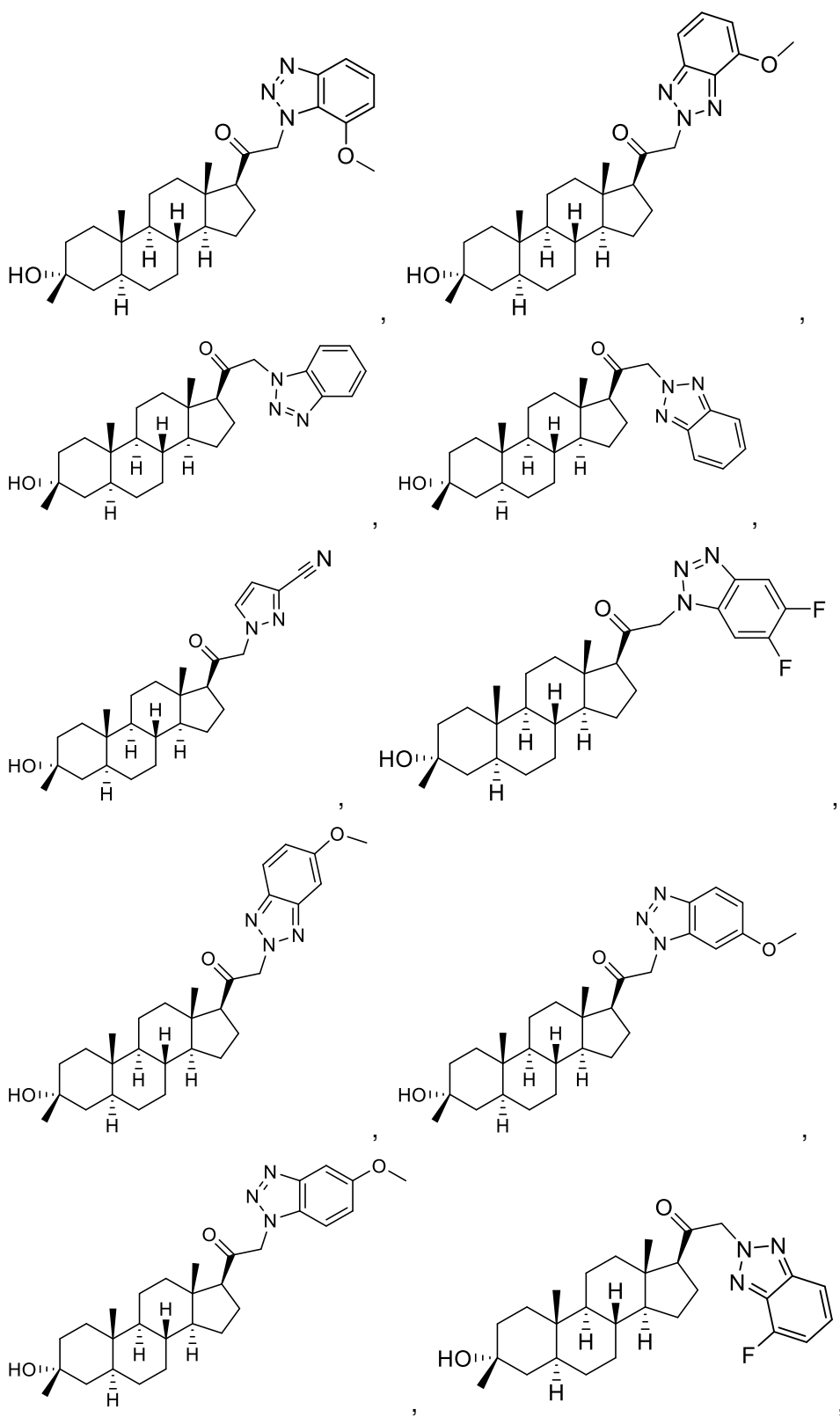


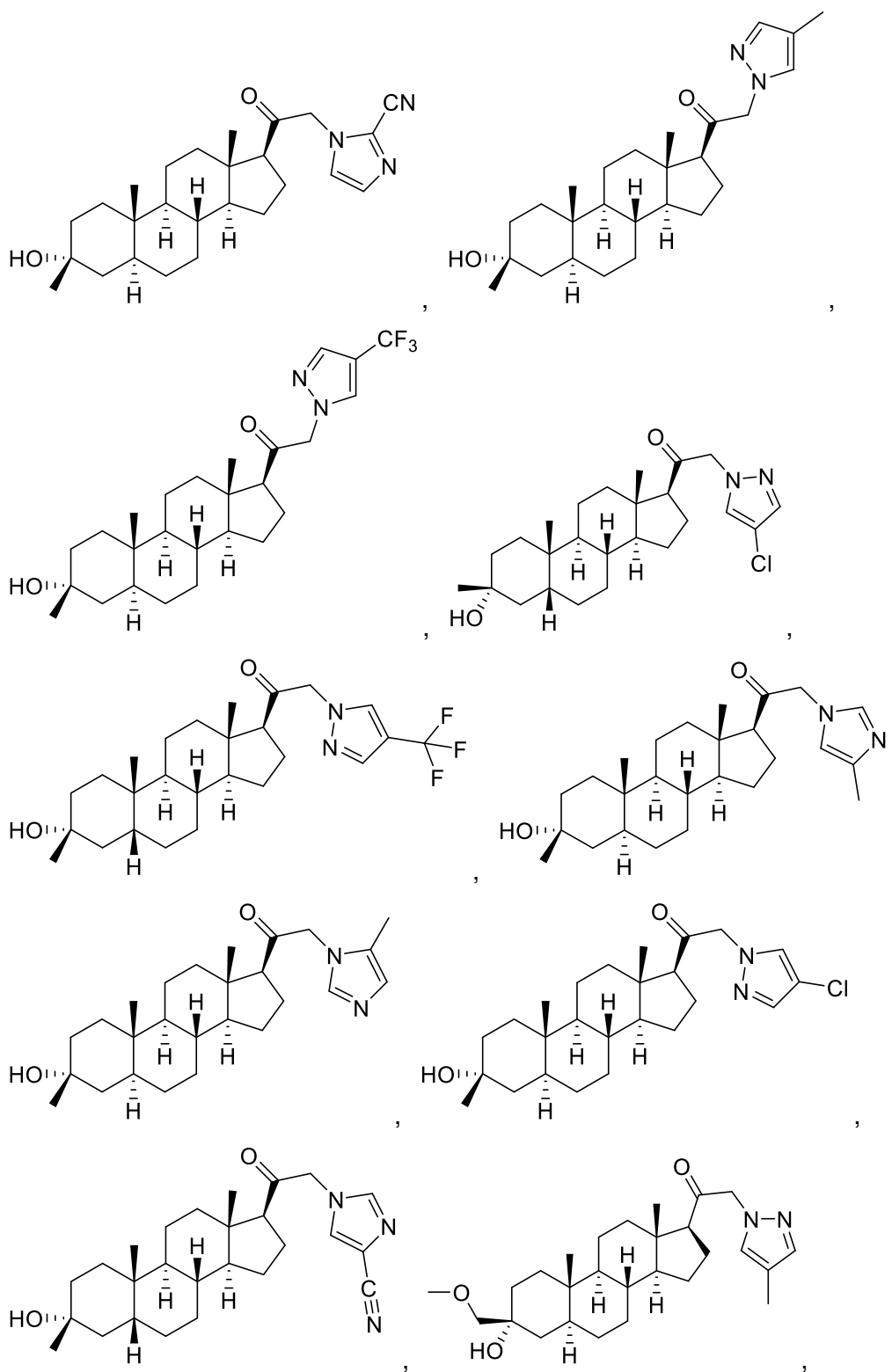


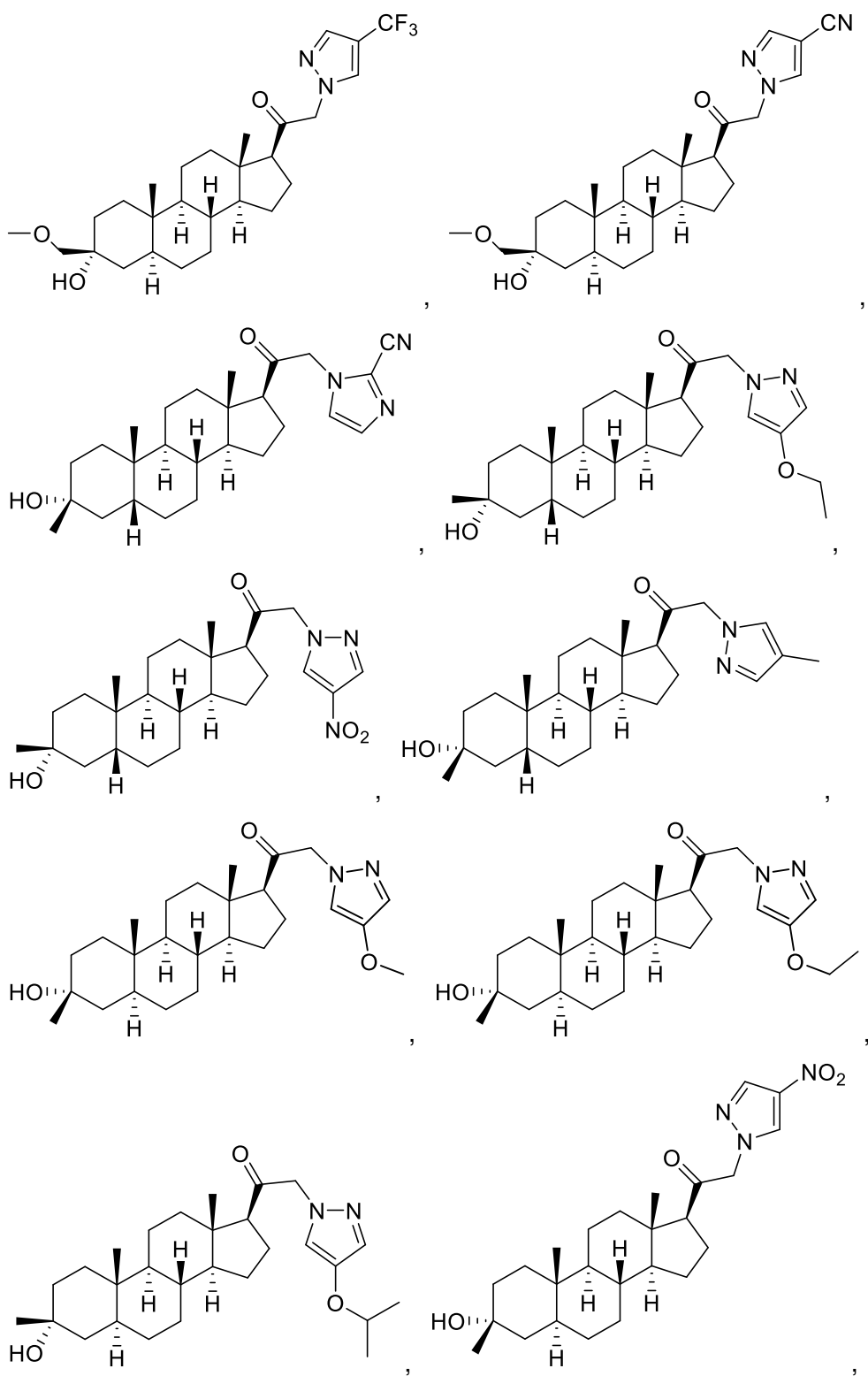




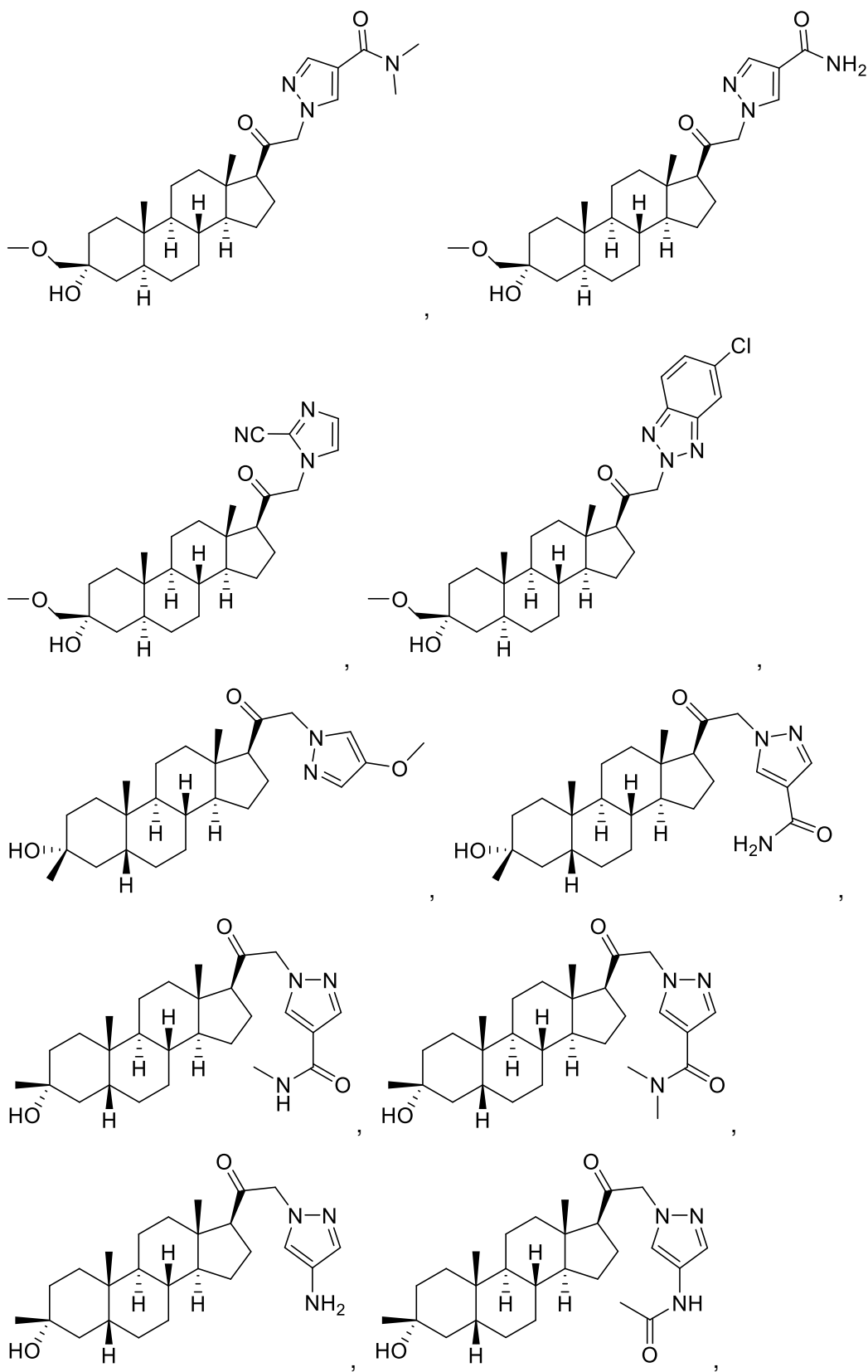


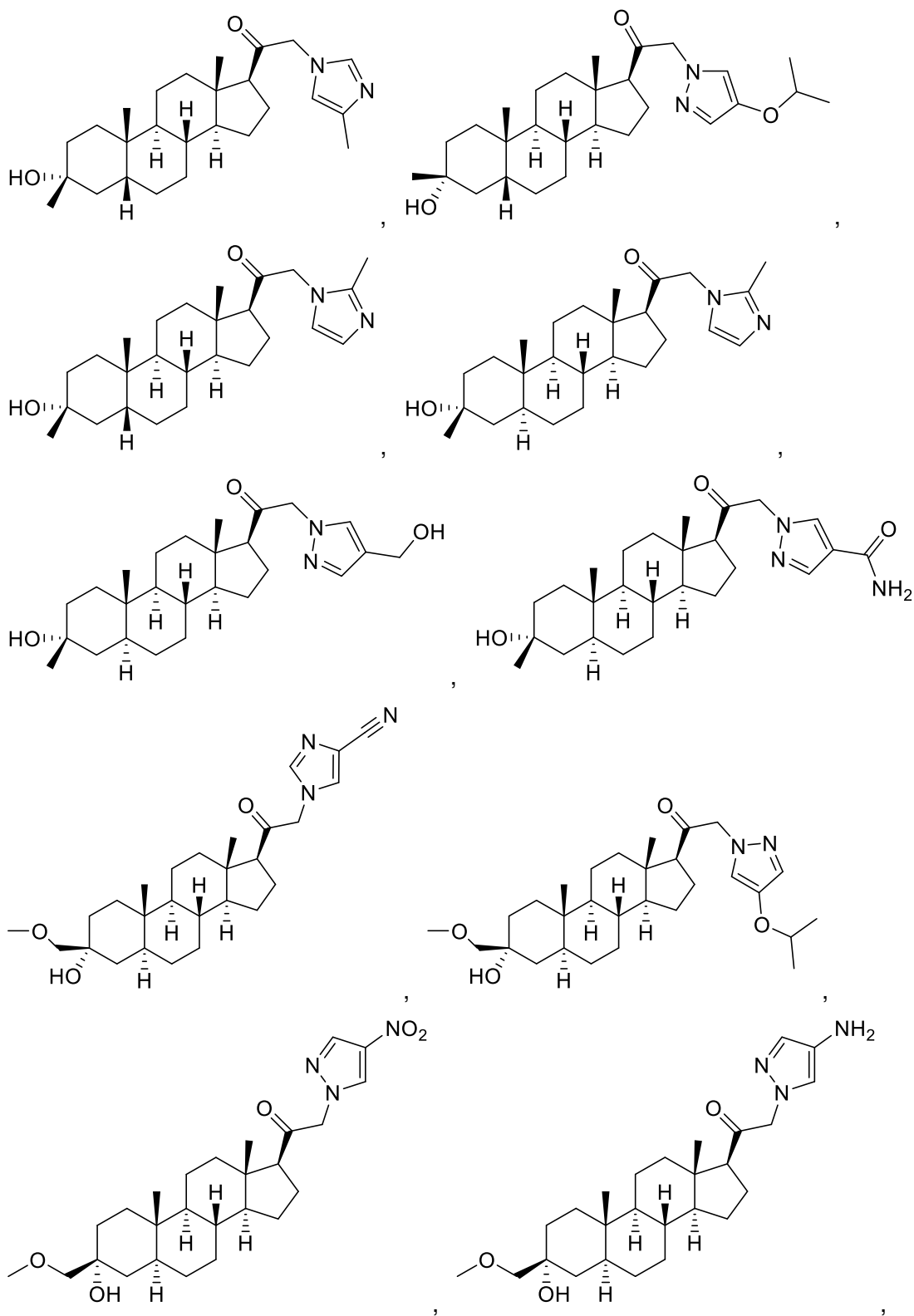


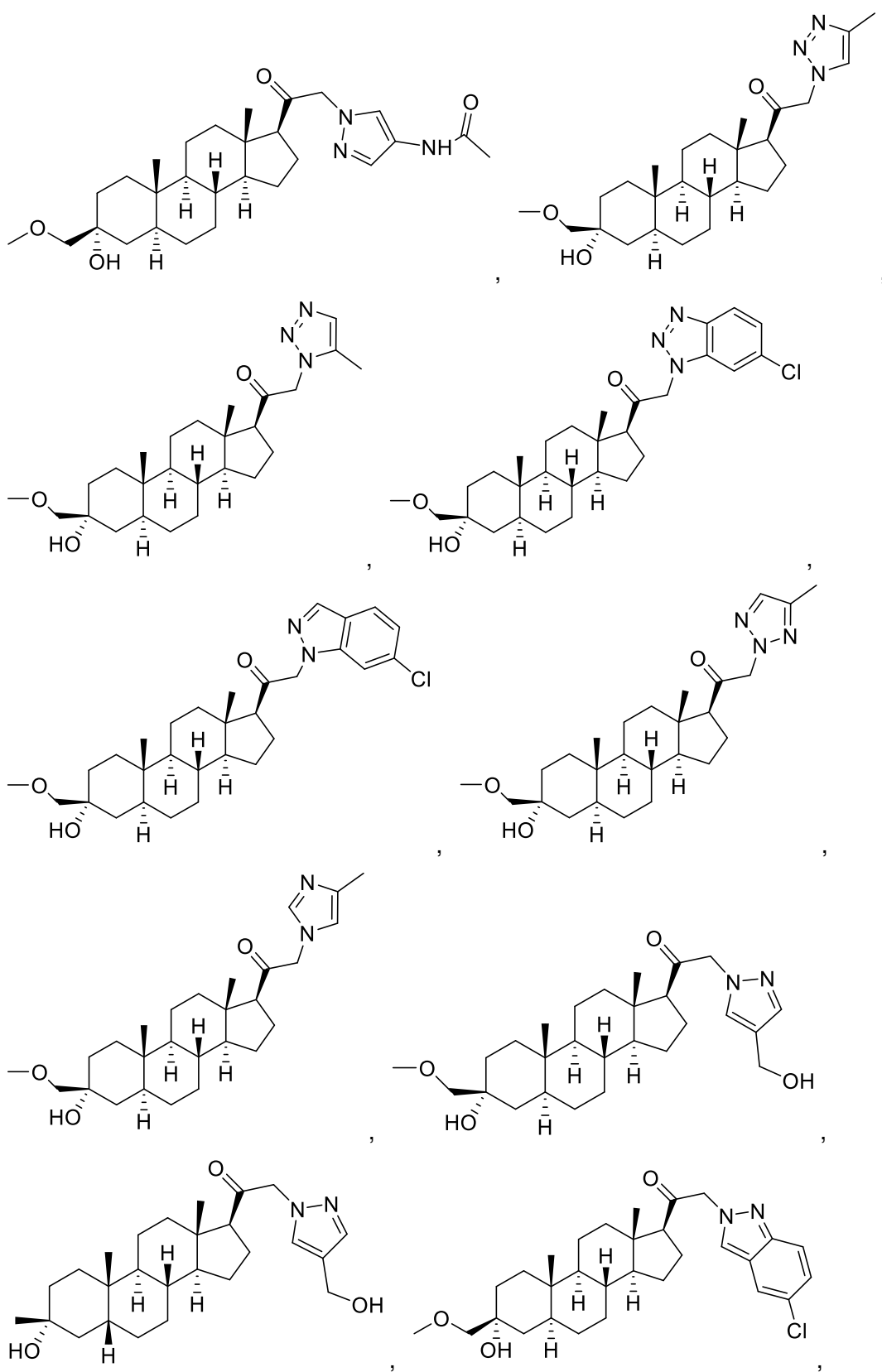


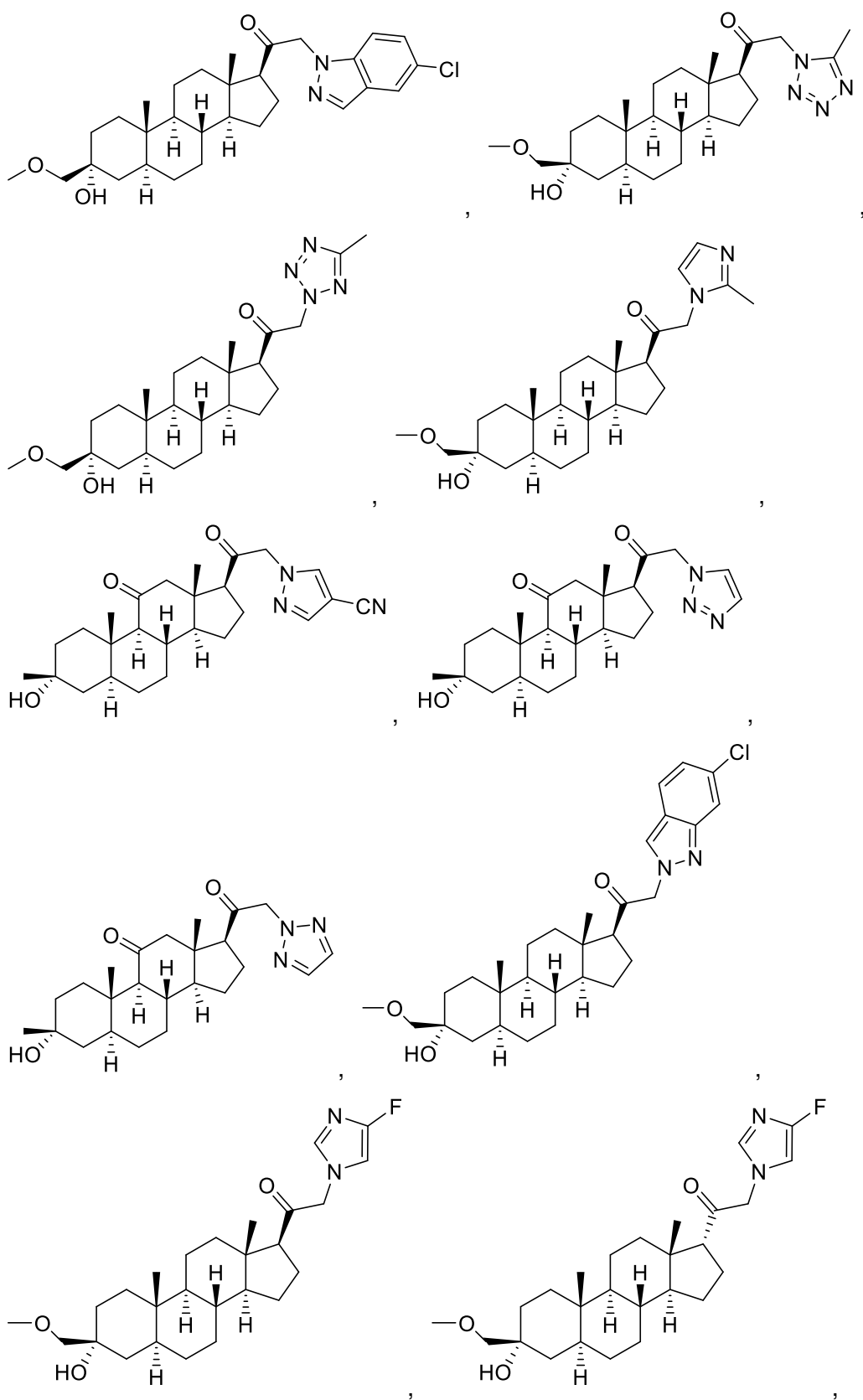


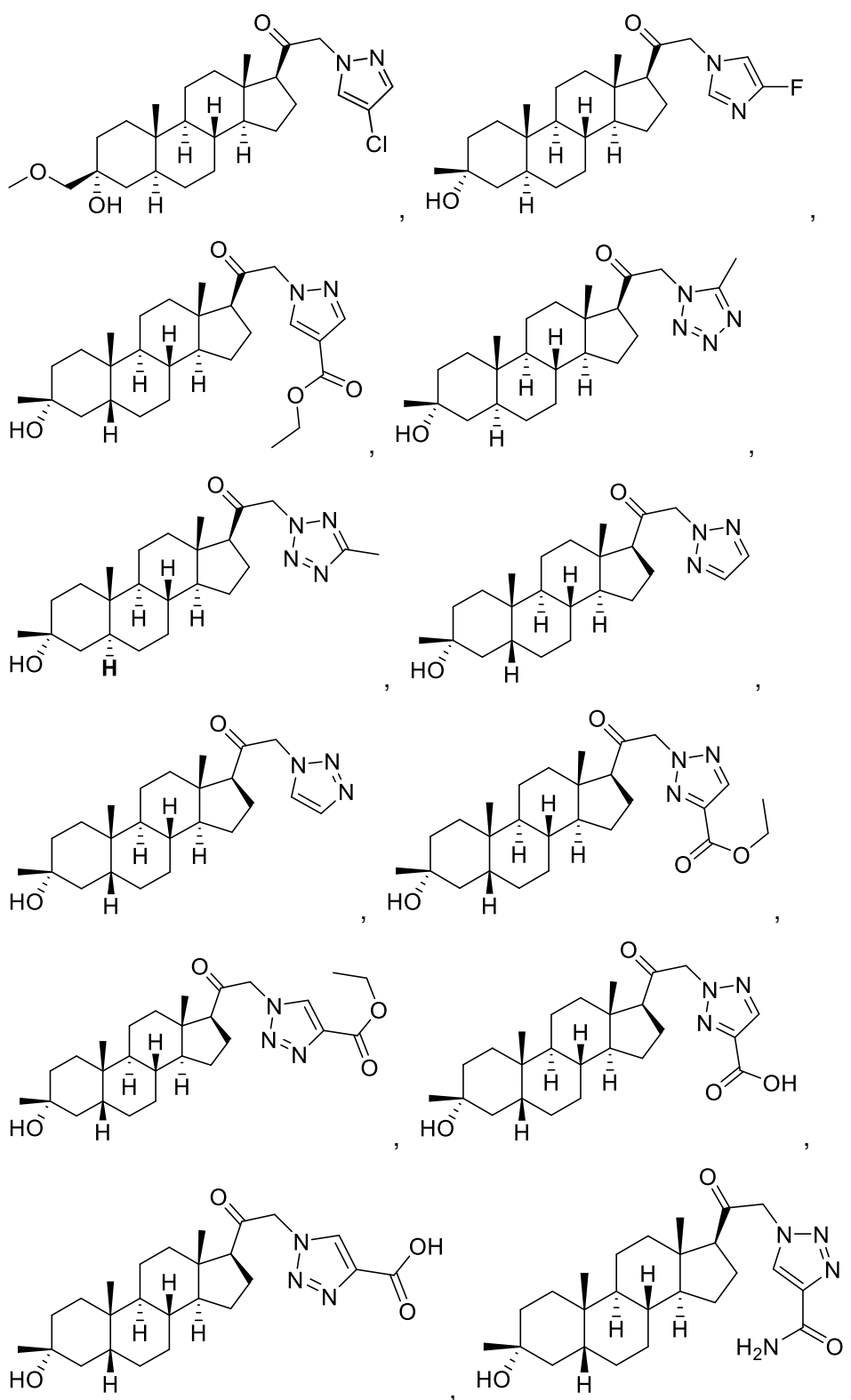


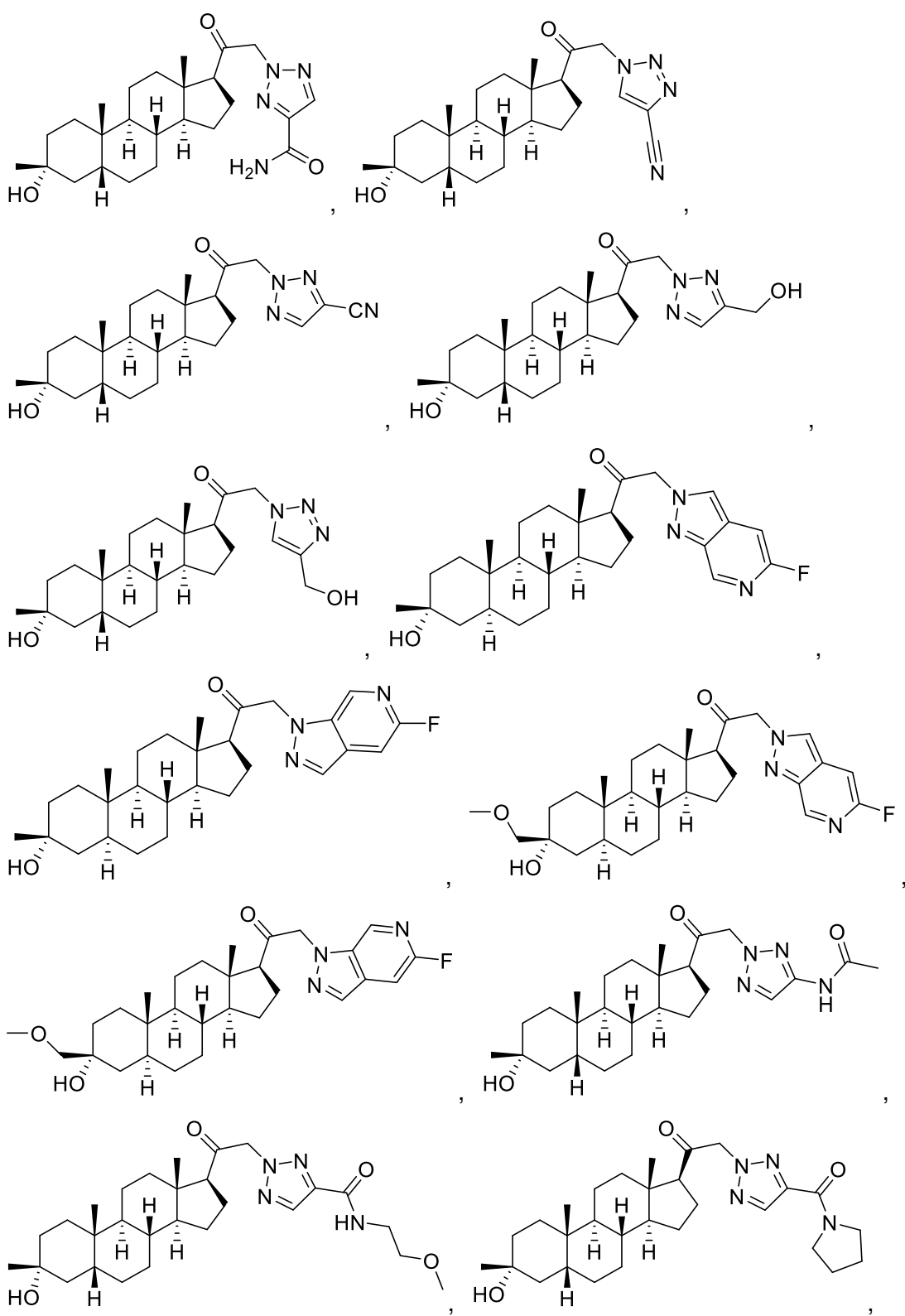


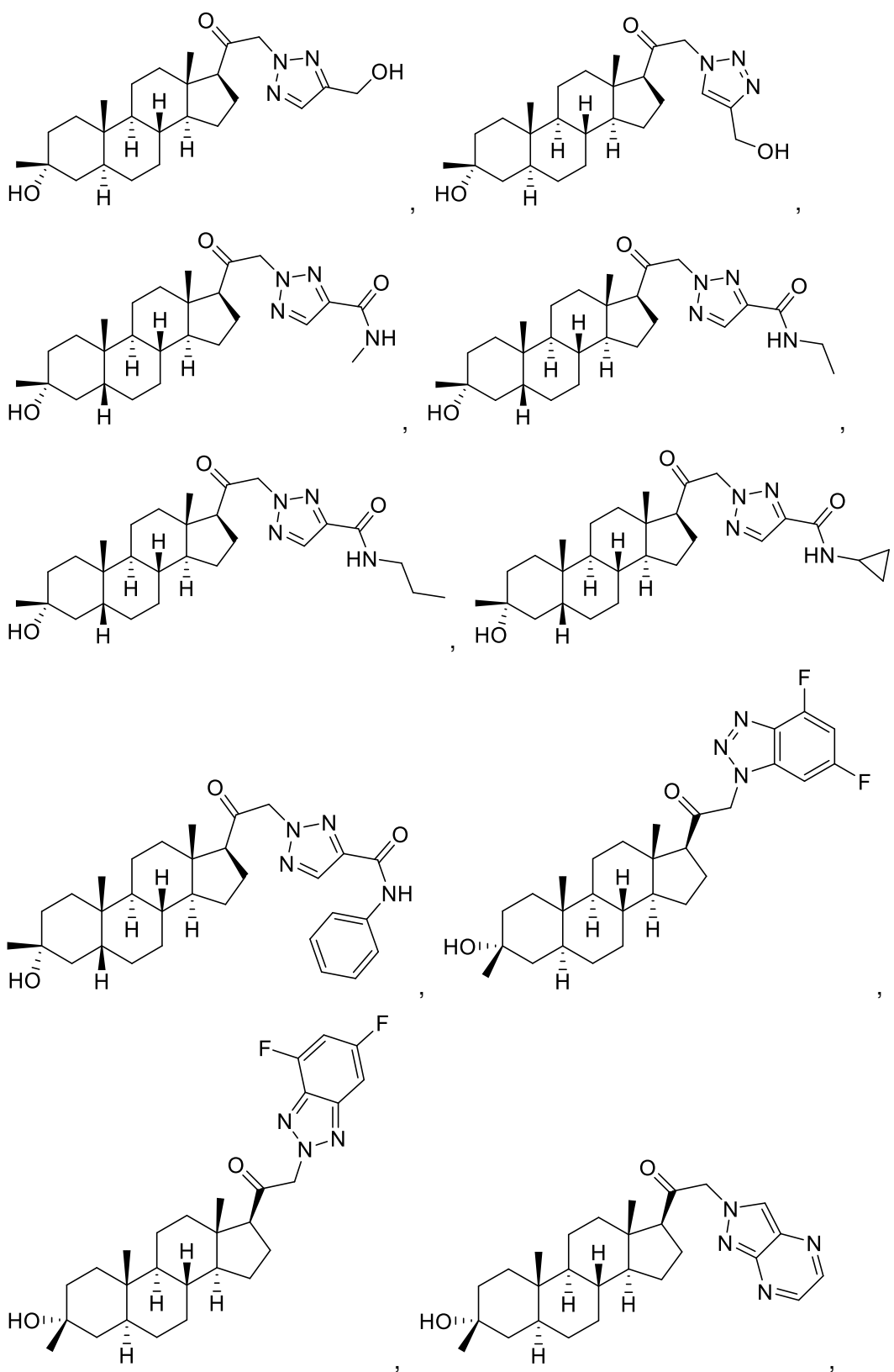


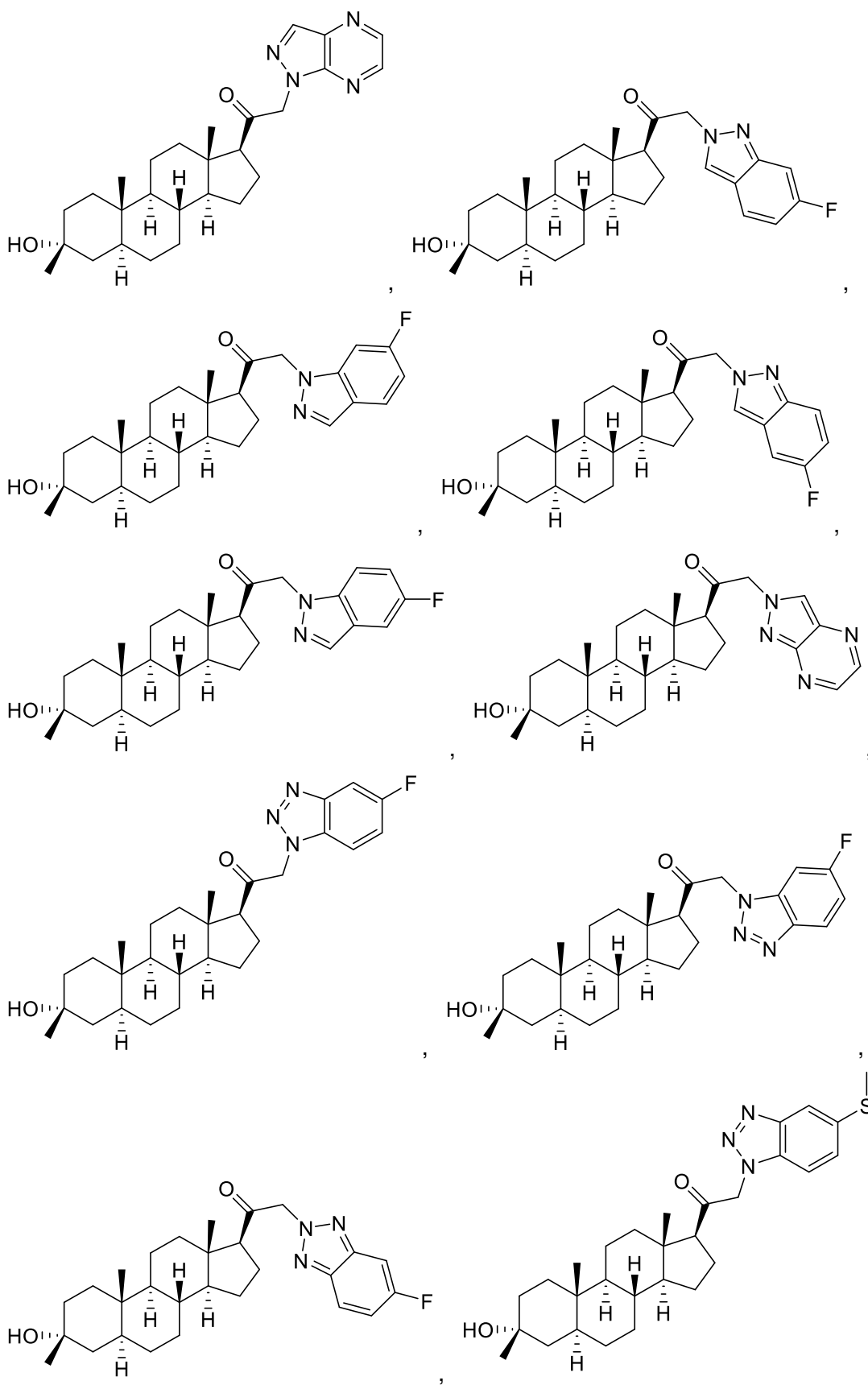




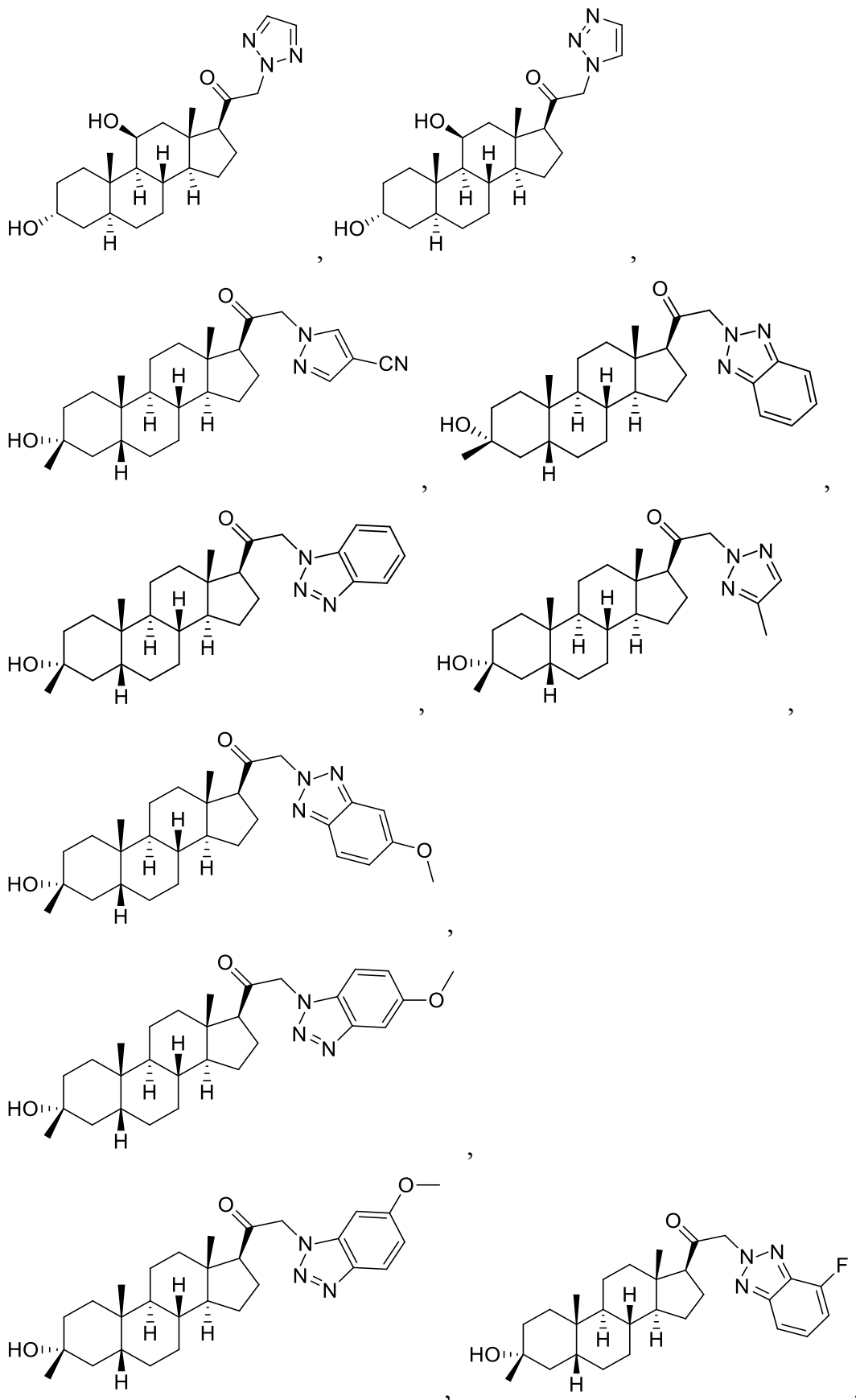


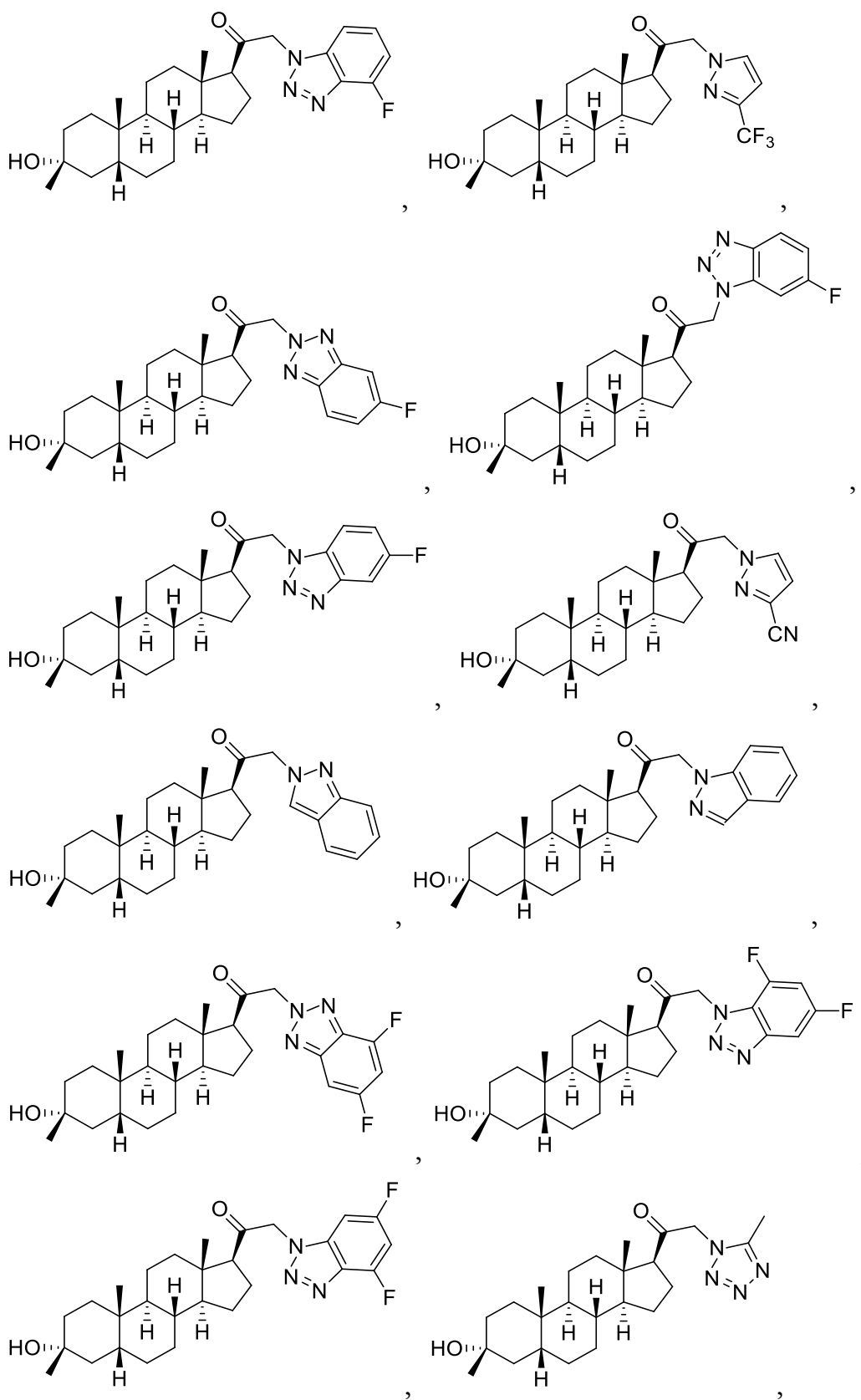


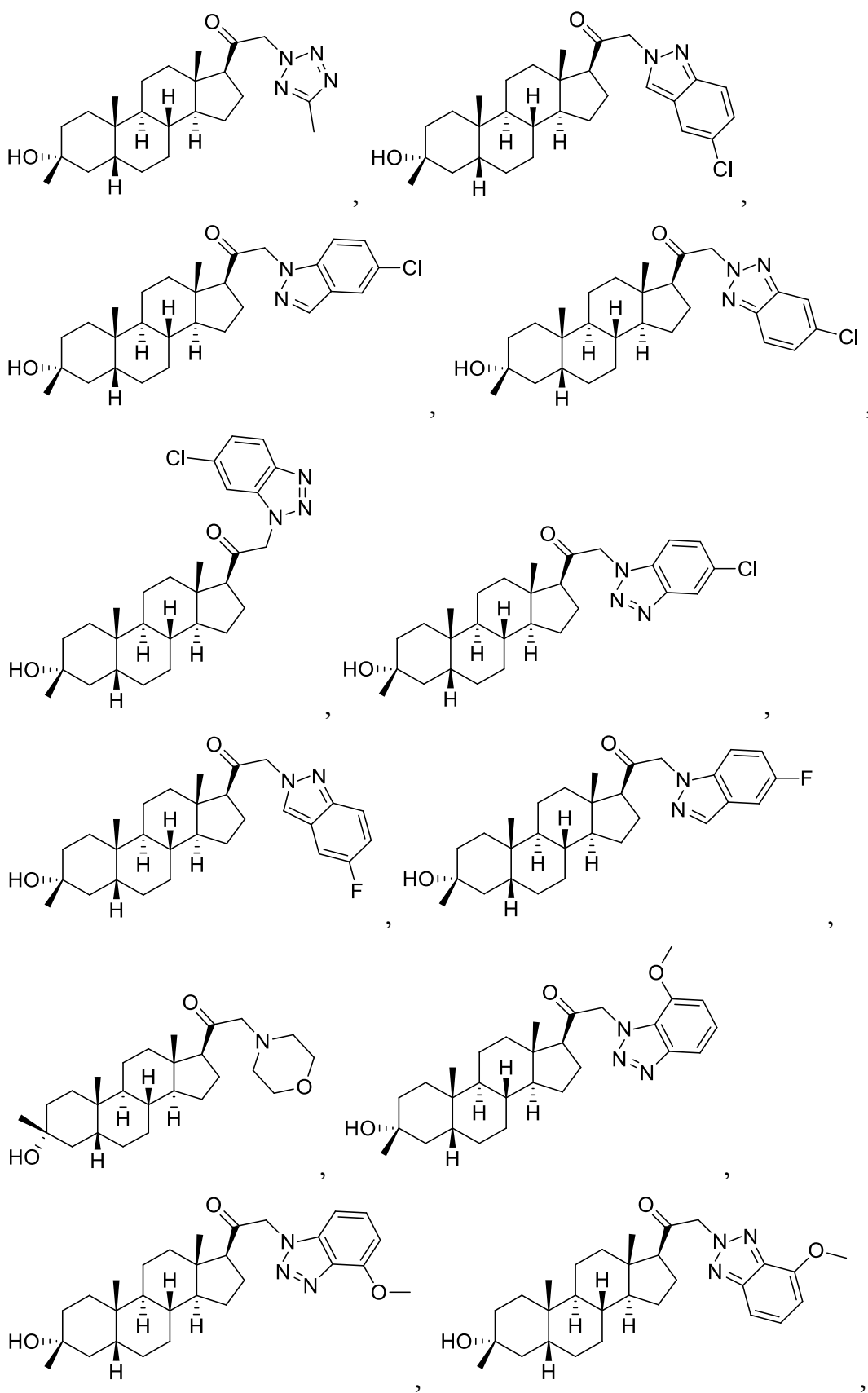


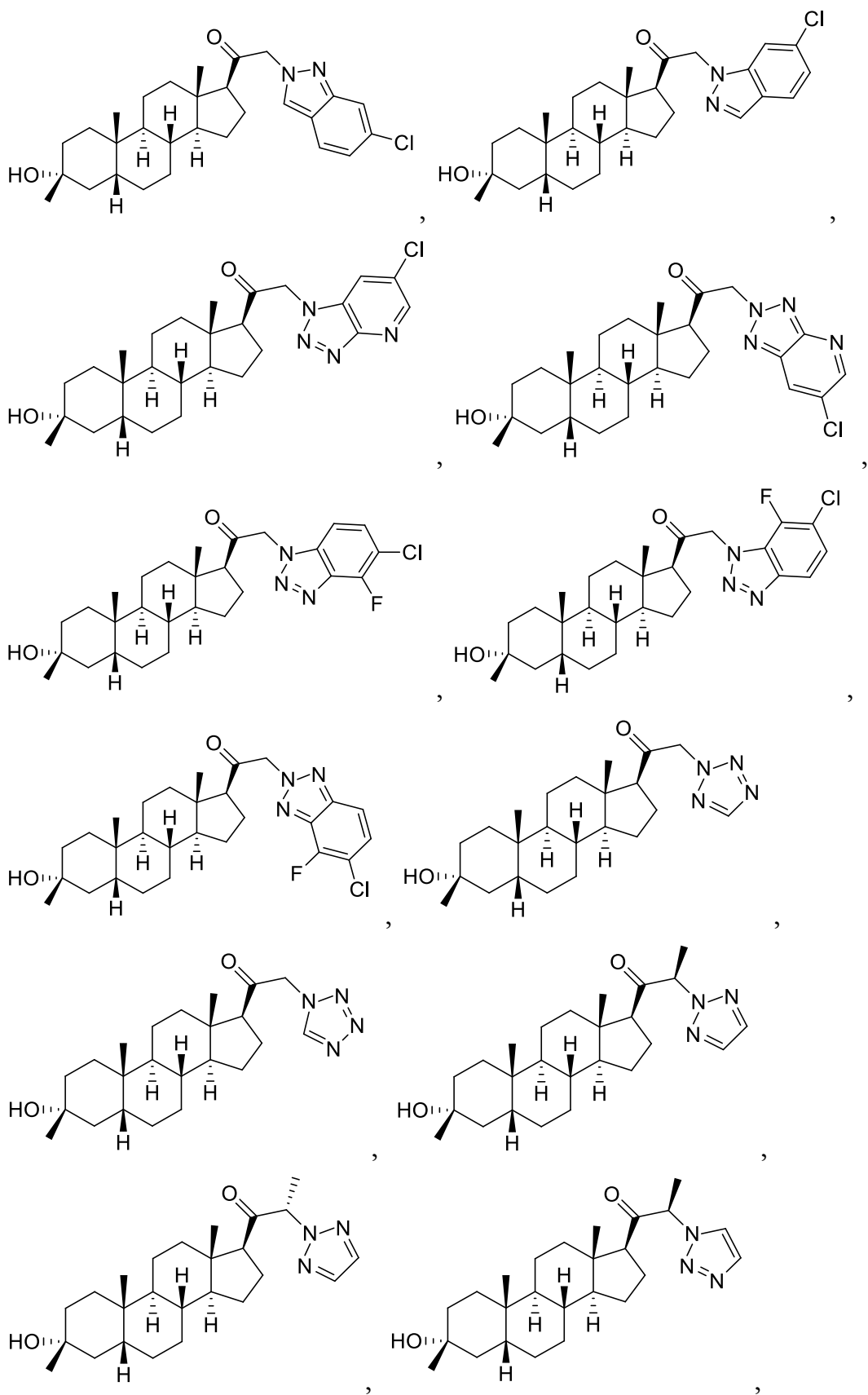


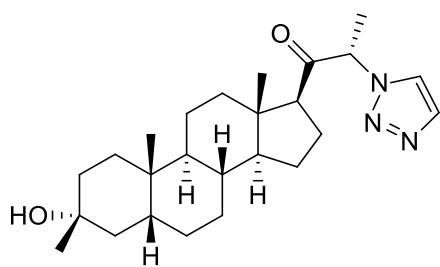
28. Un compuesto, en donde el compuesto es:



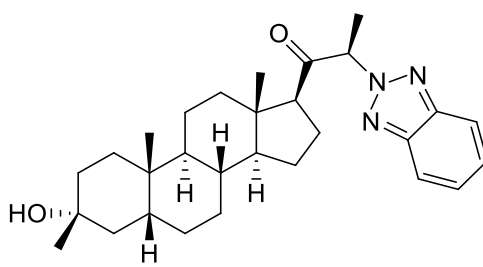




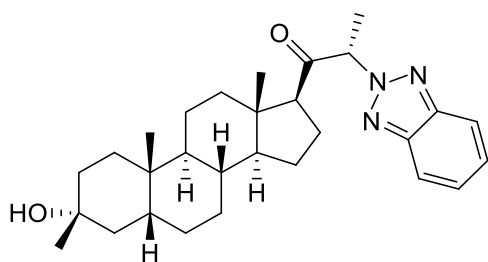




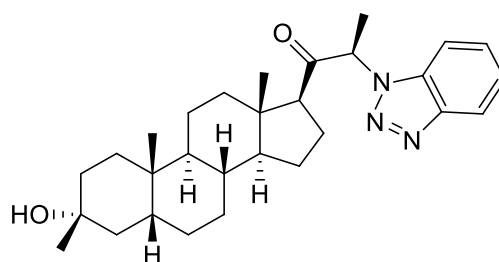
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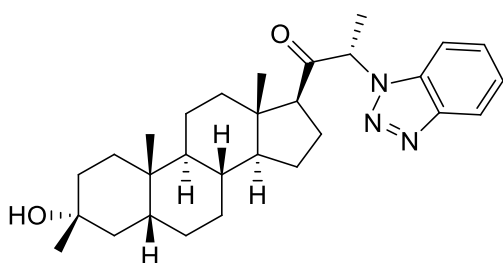
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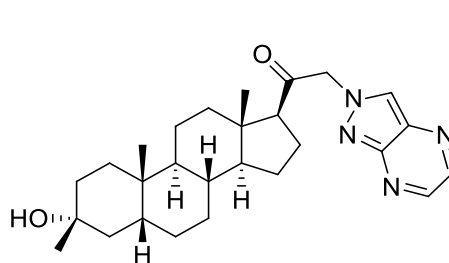
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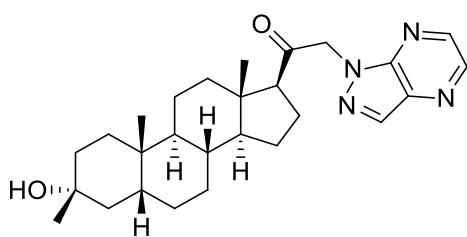
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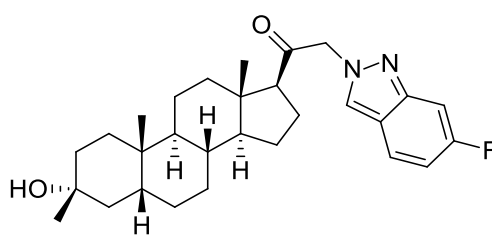
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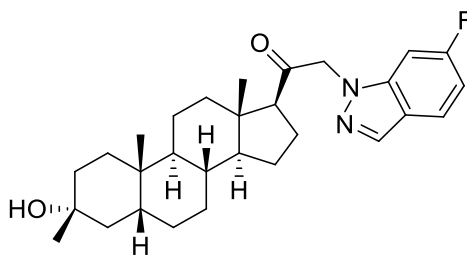
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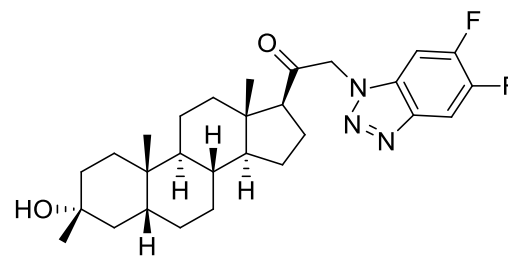
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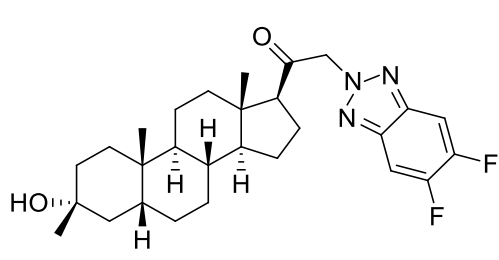
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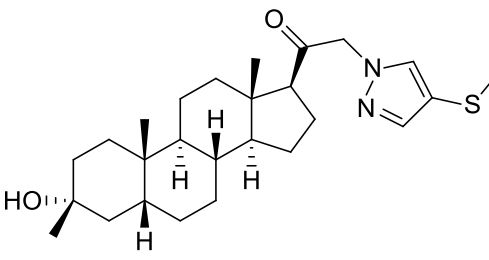
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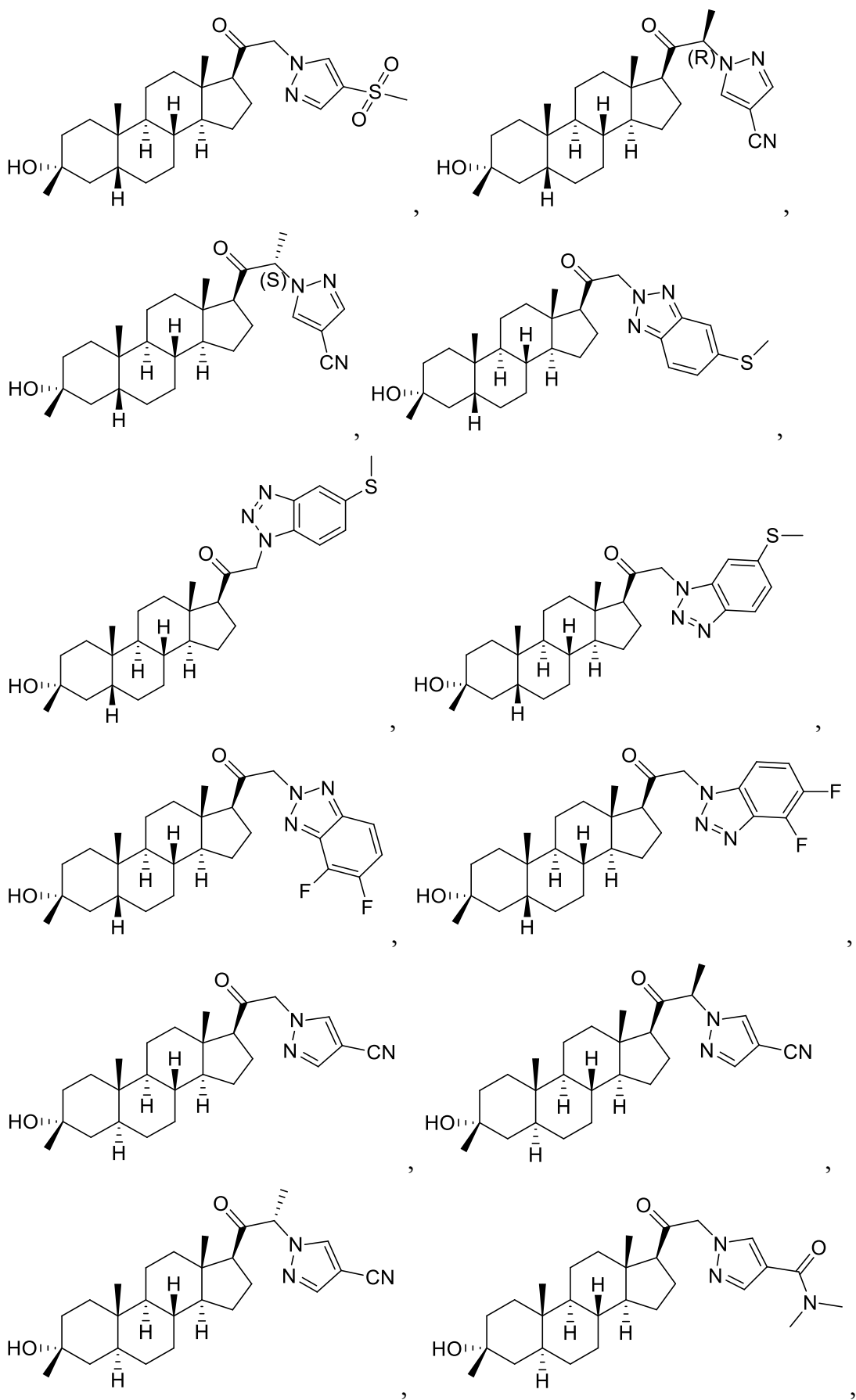
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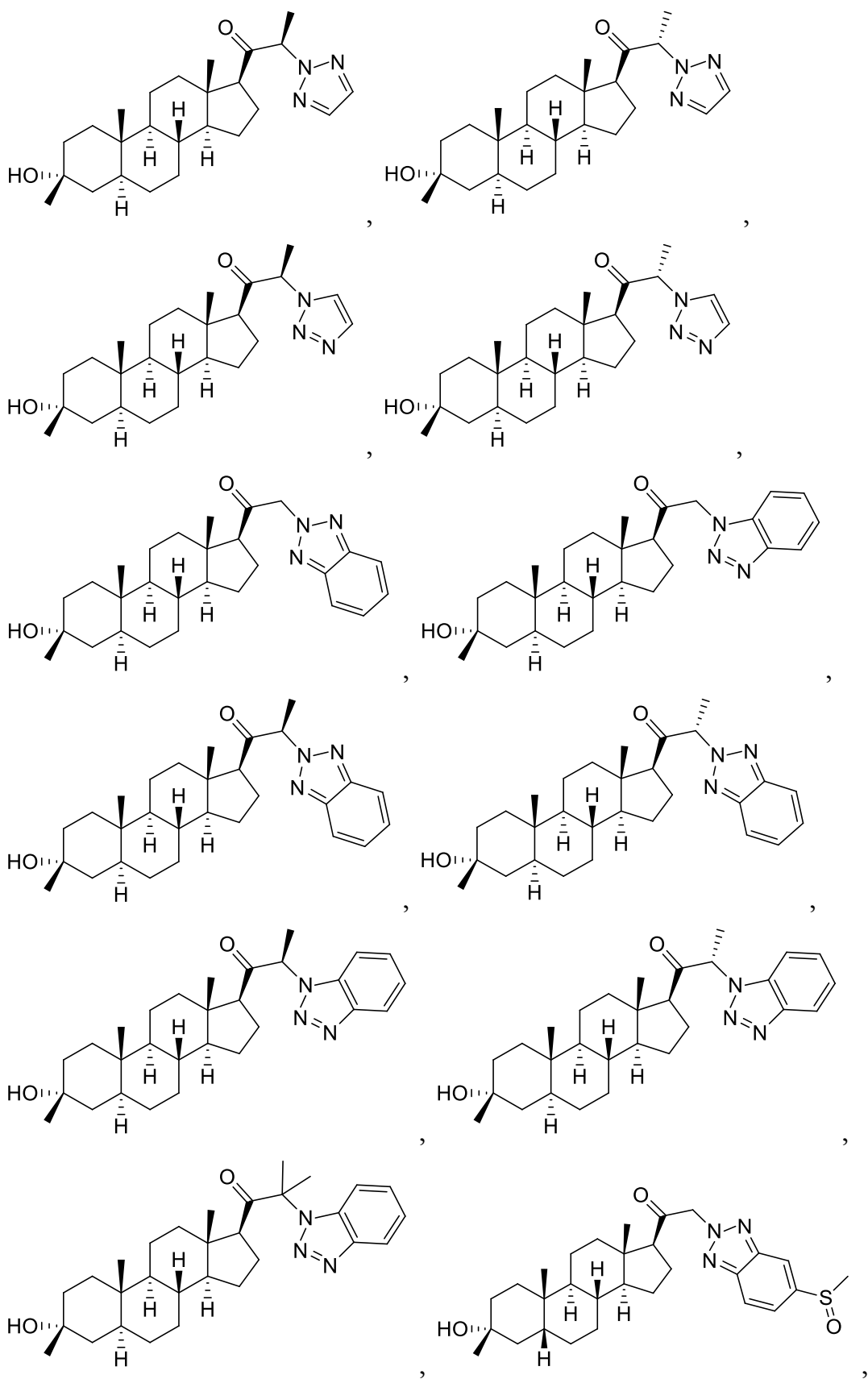


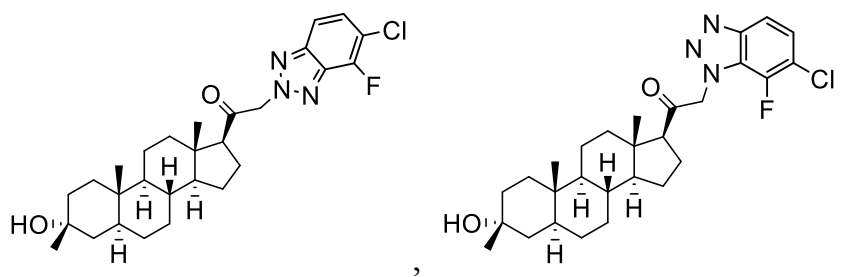
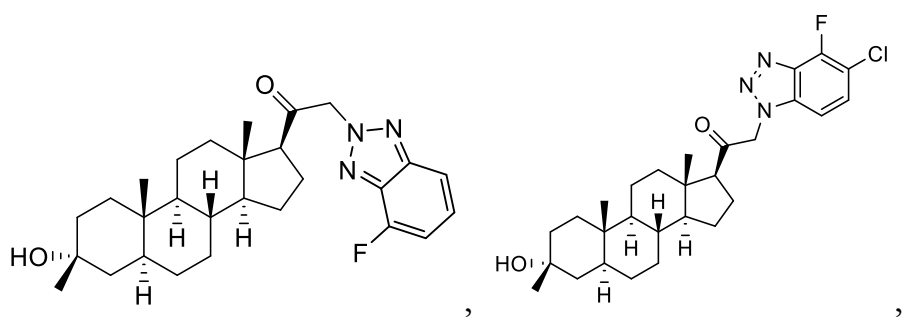
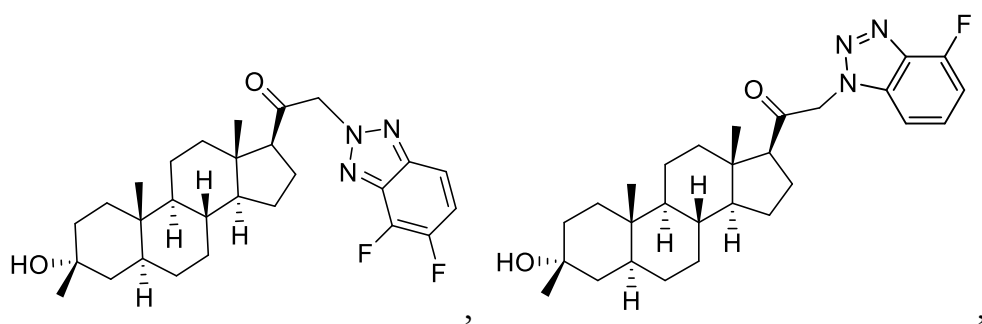
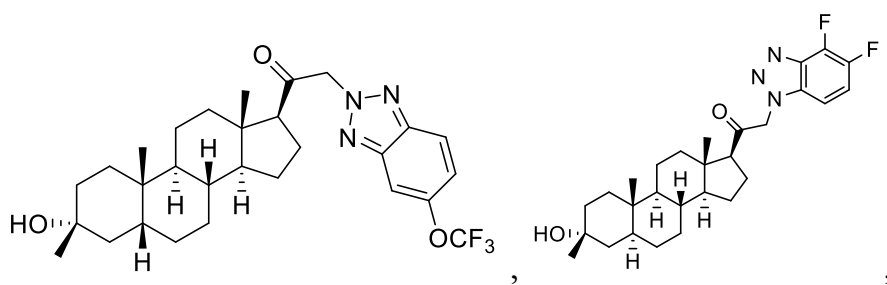
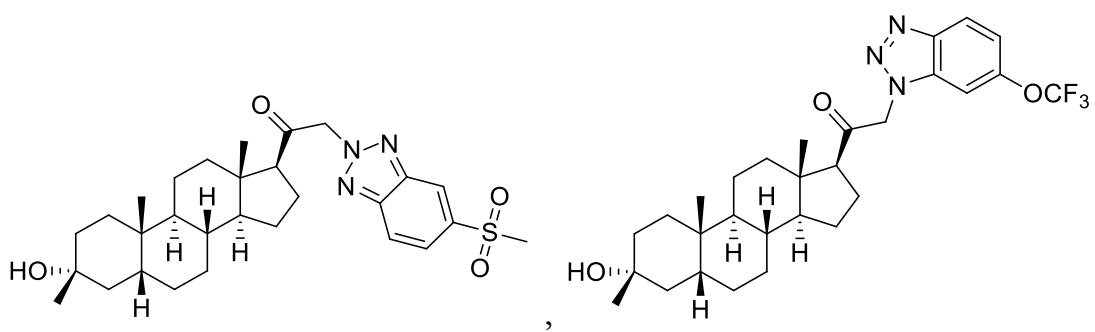
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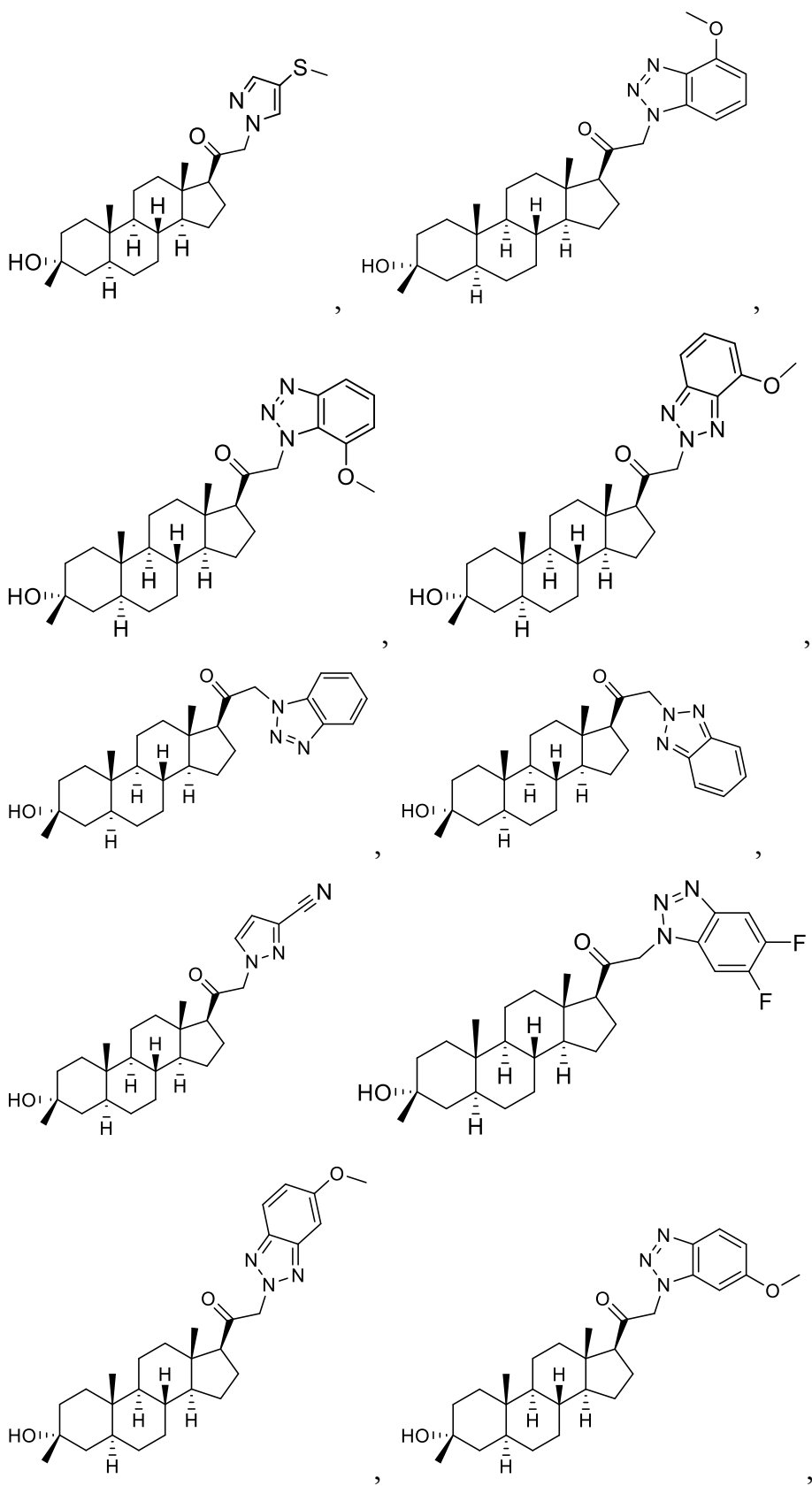


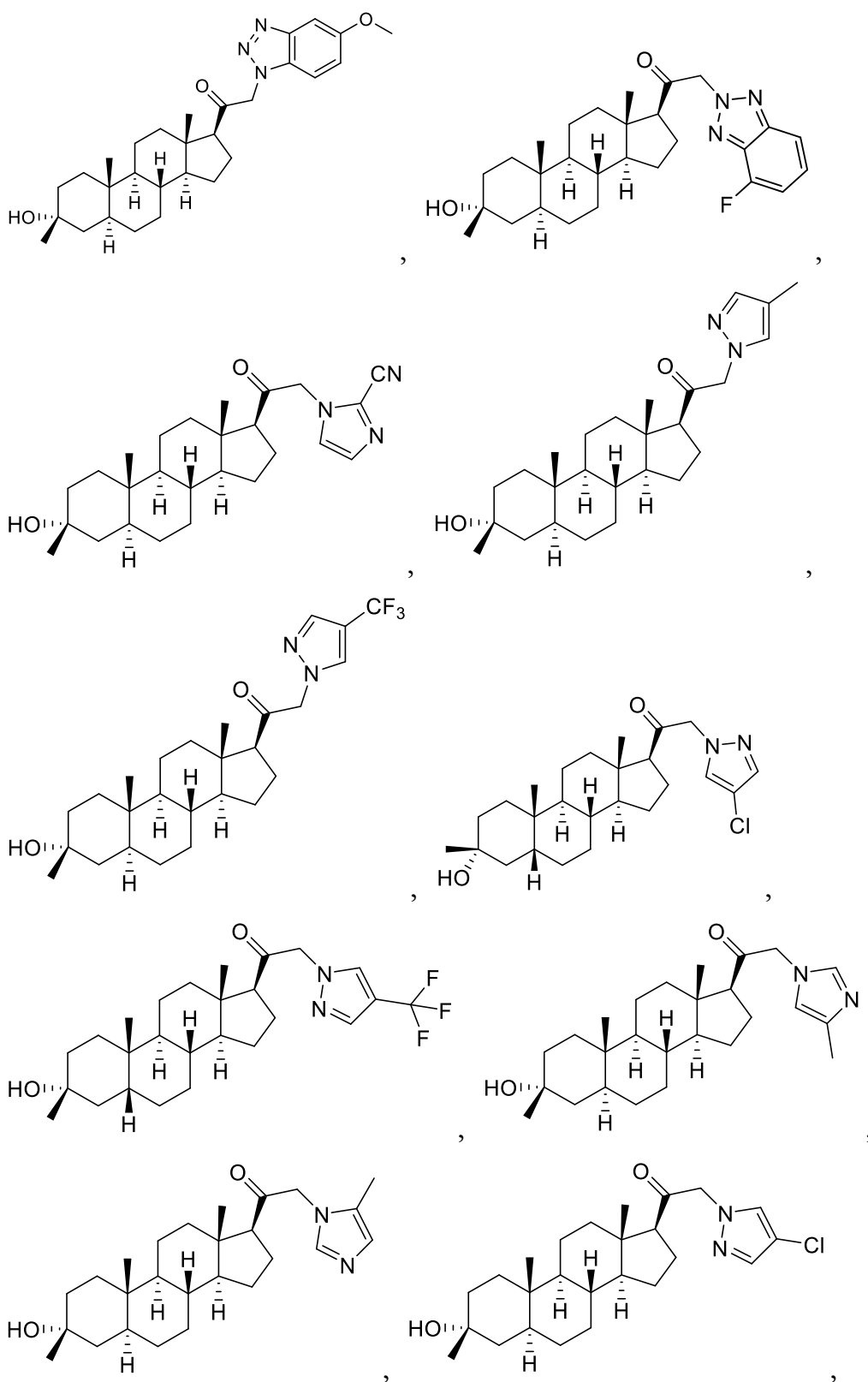
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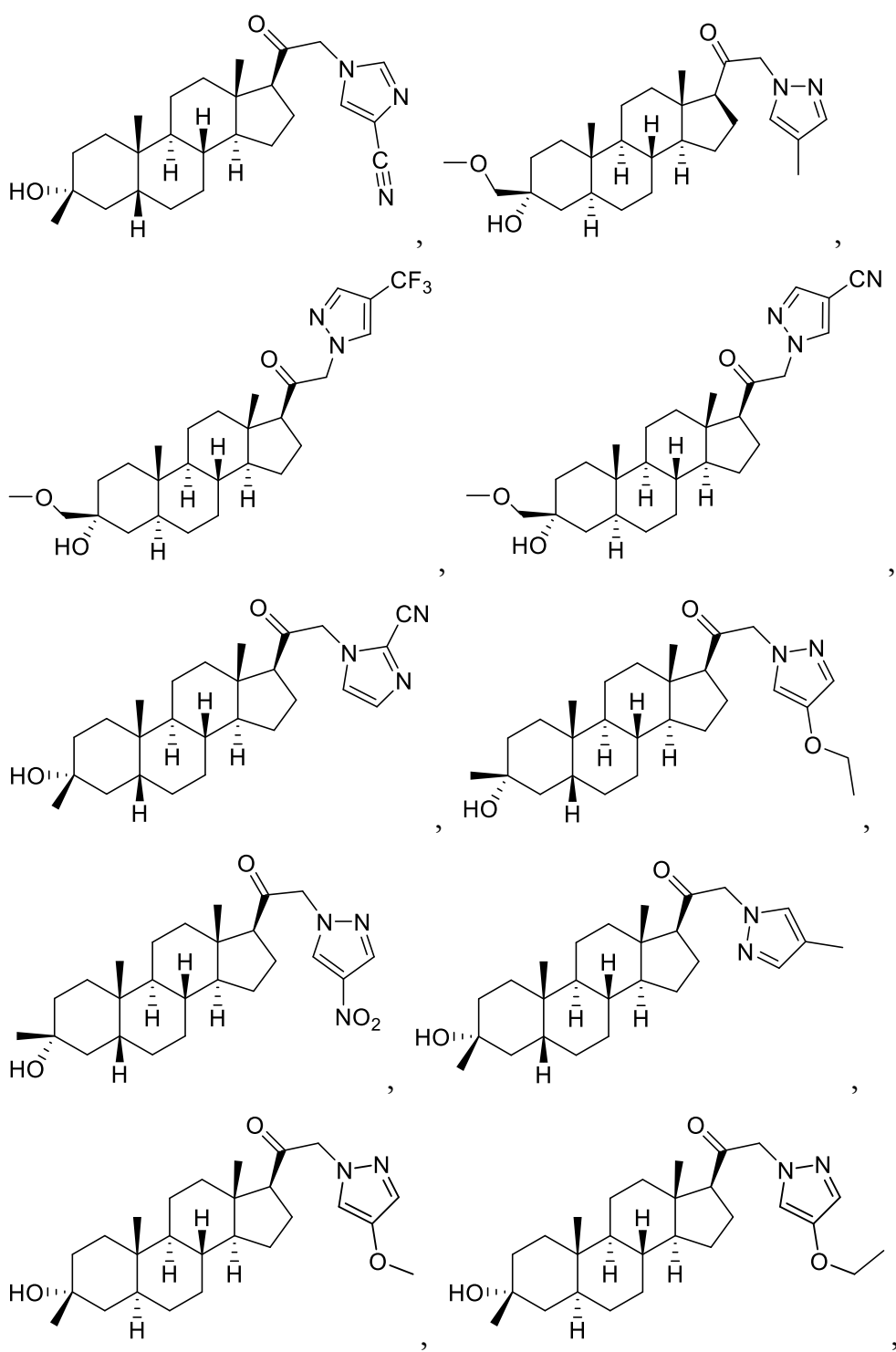


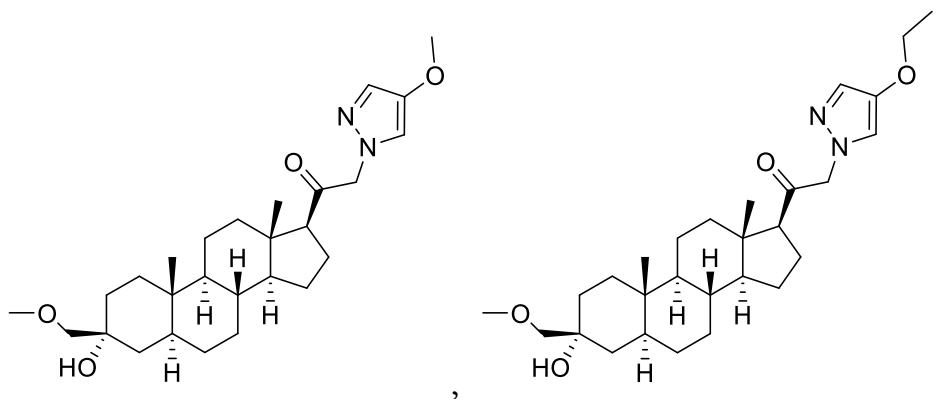
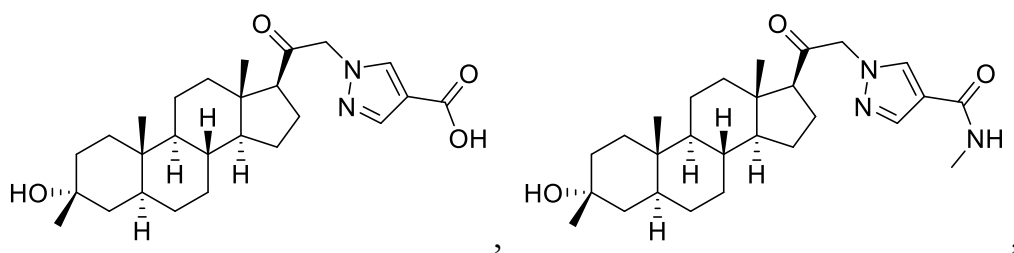
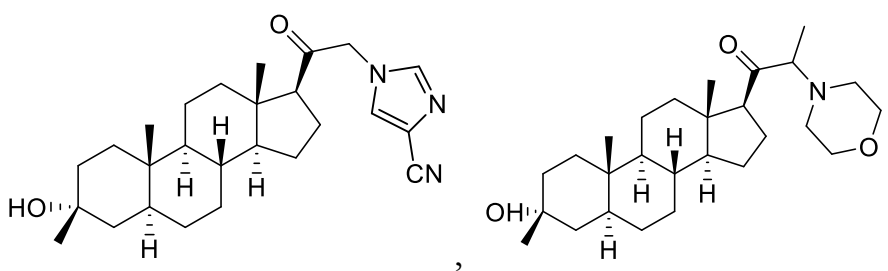
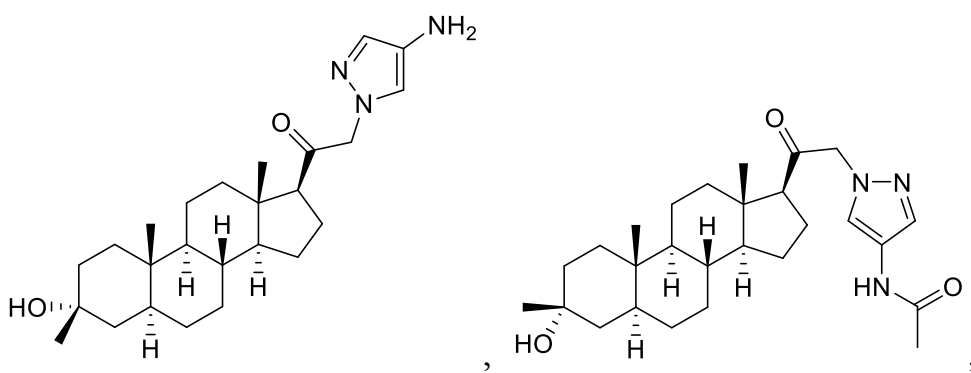
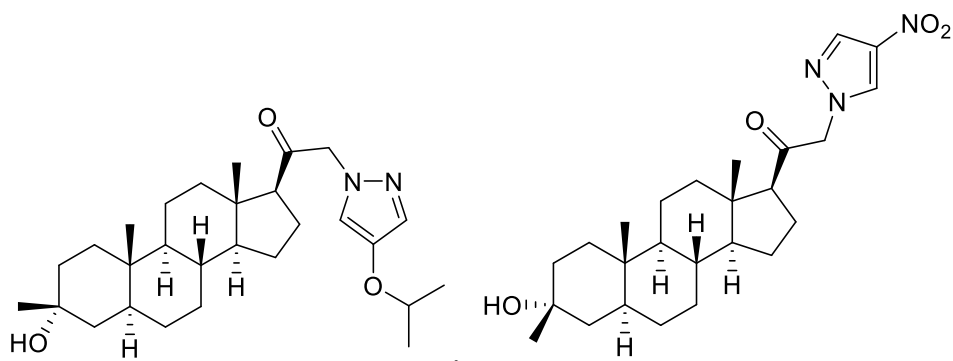


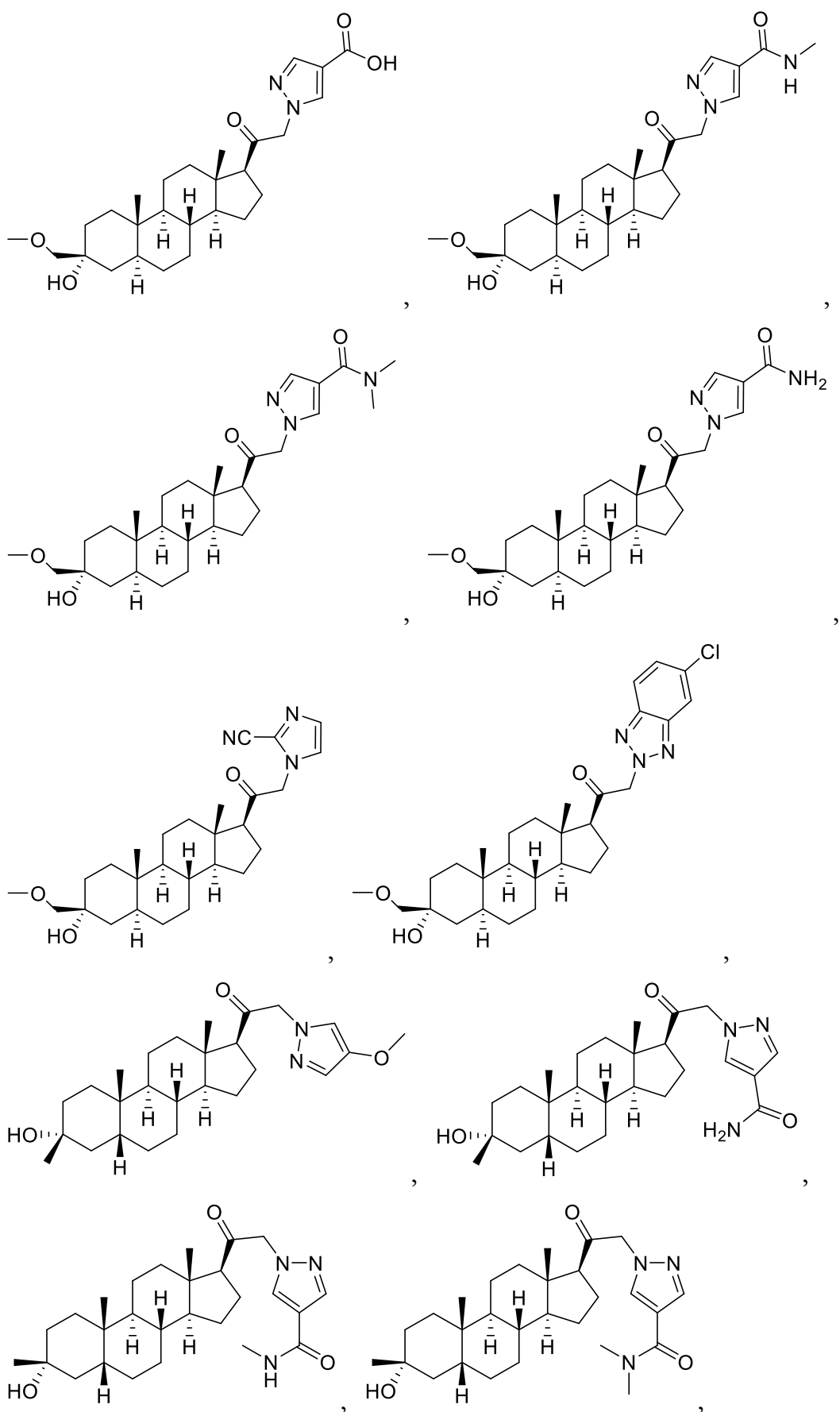


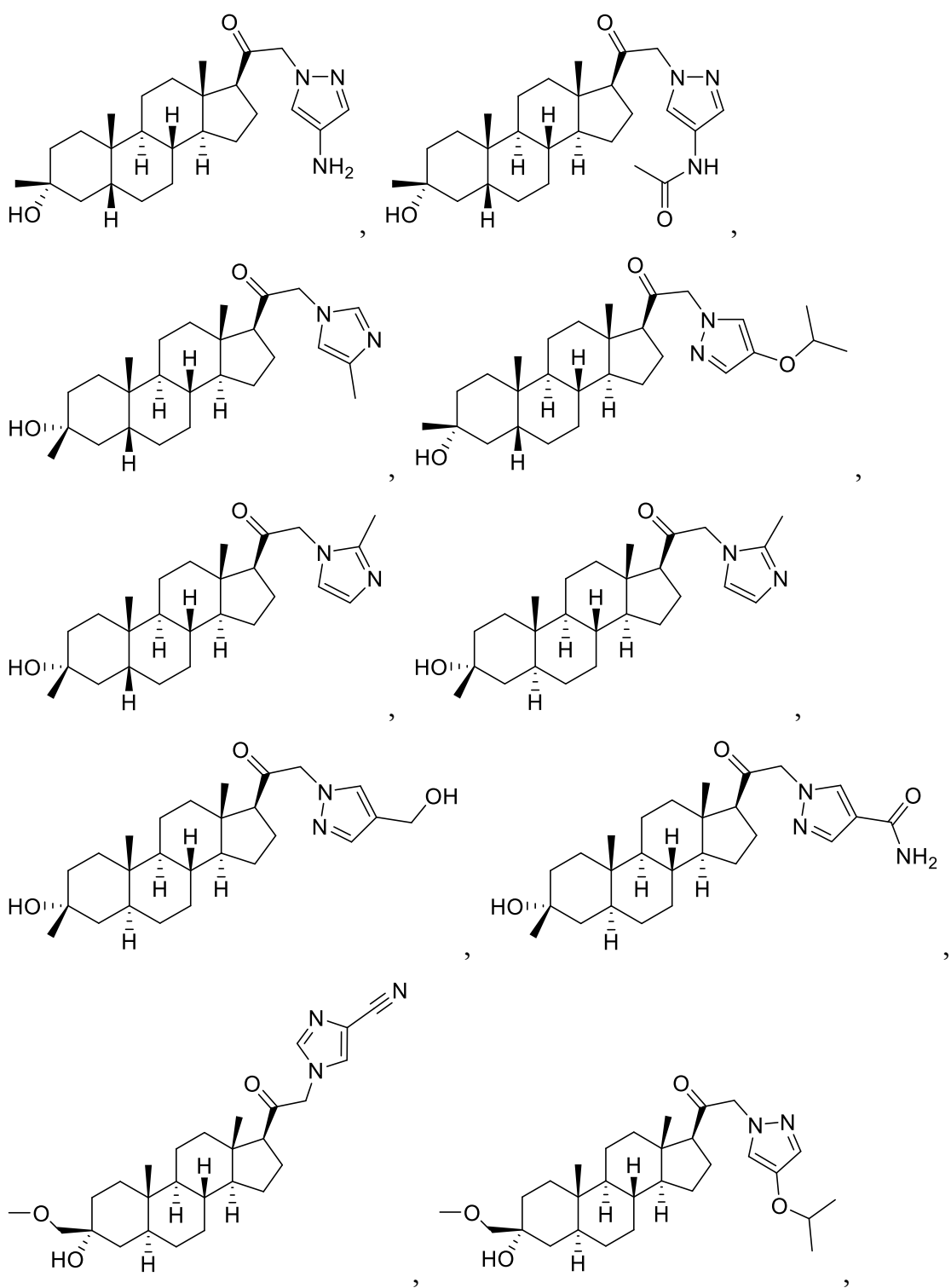


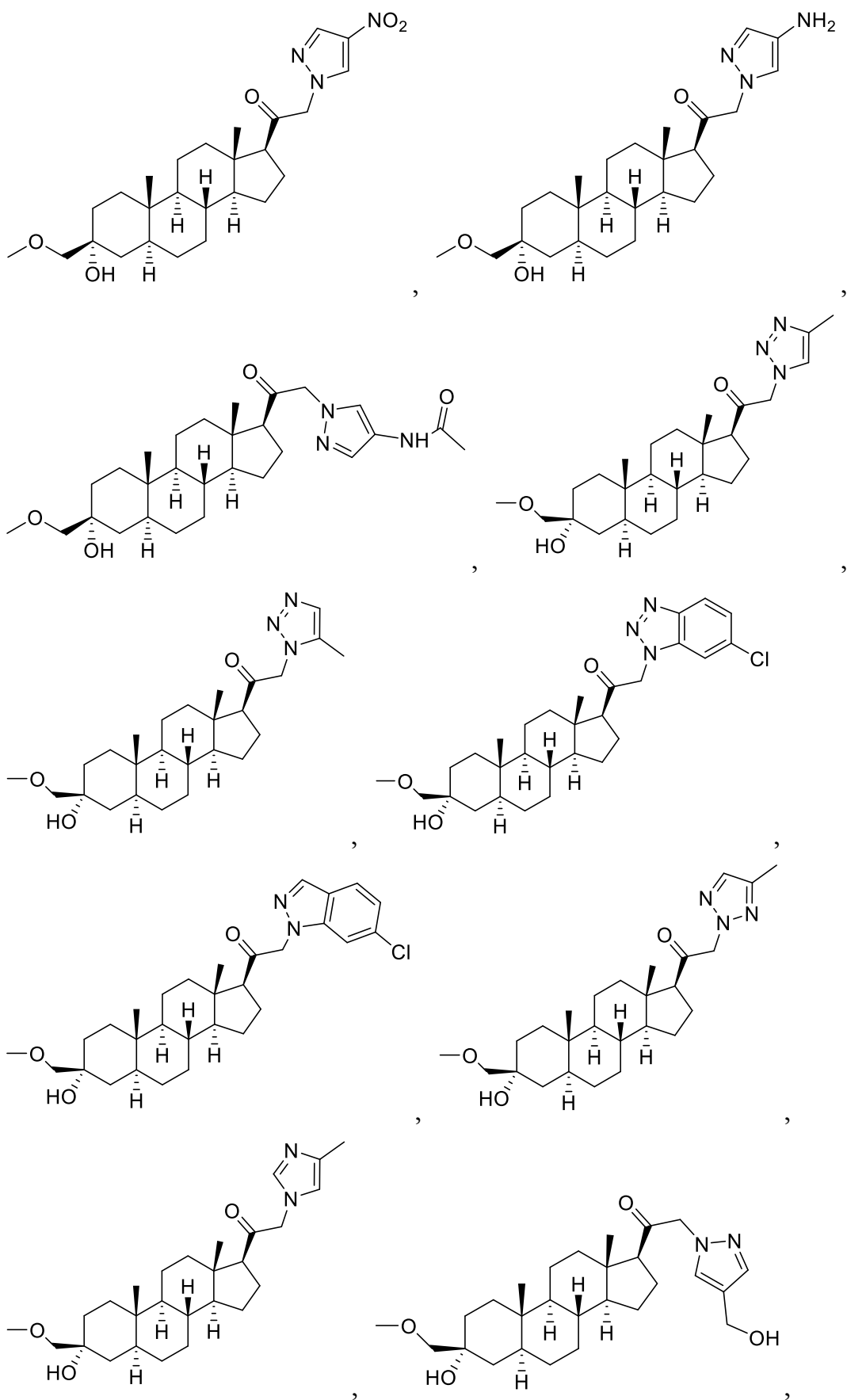


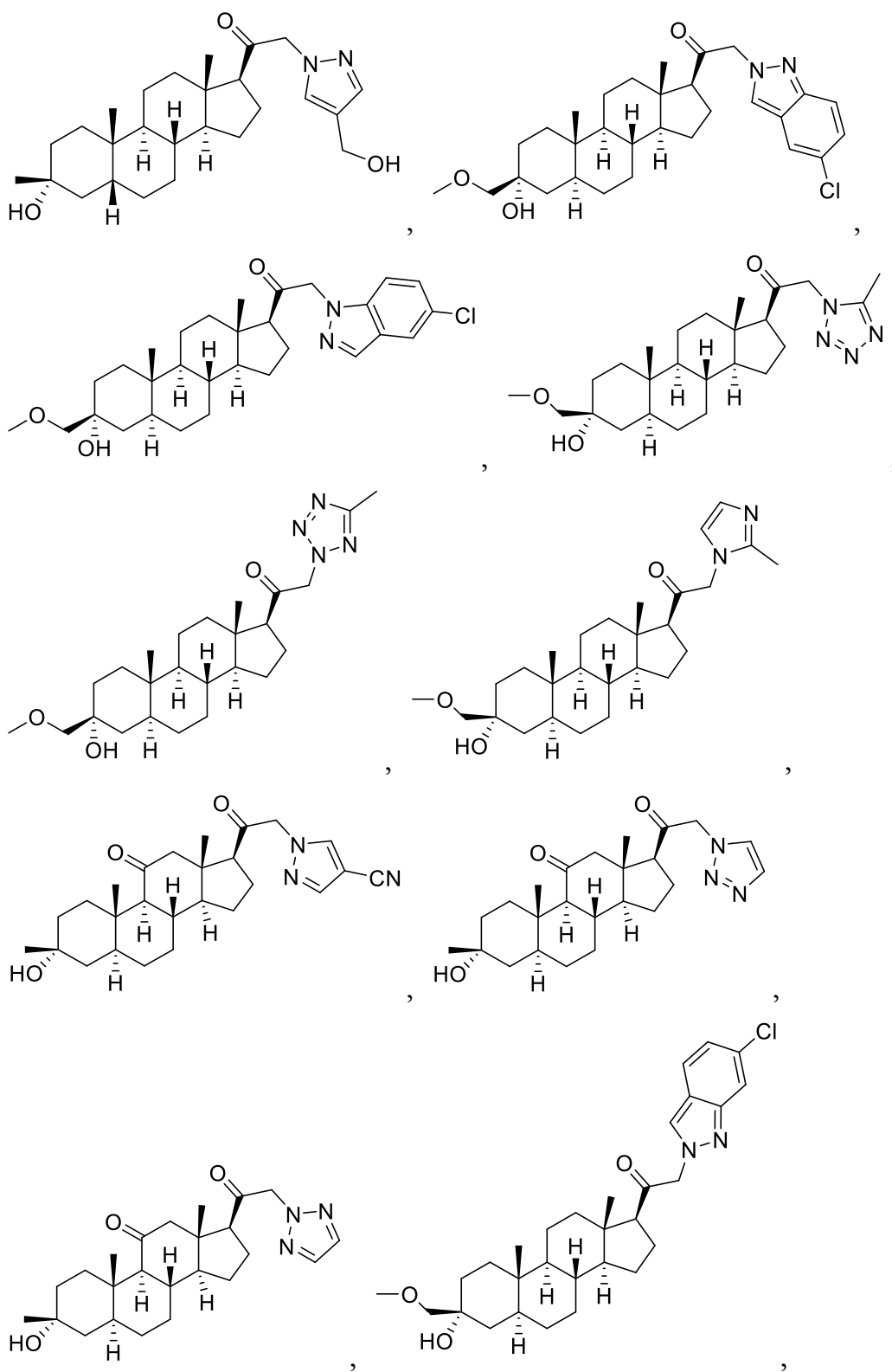


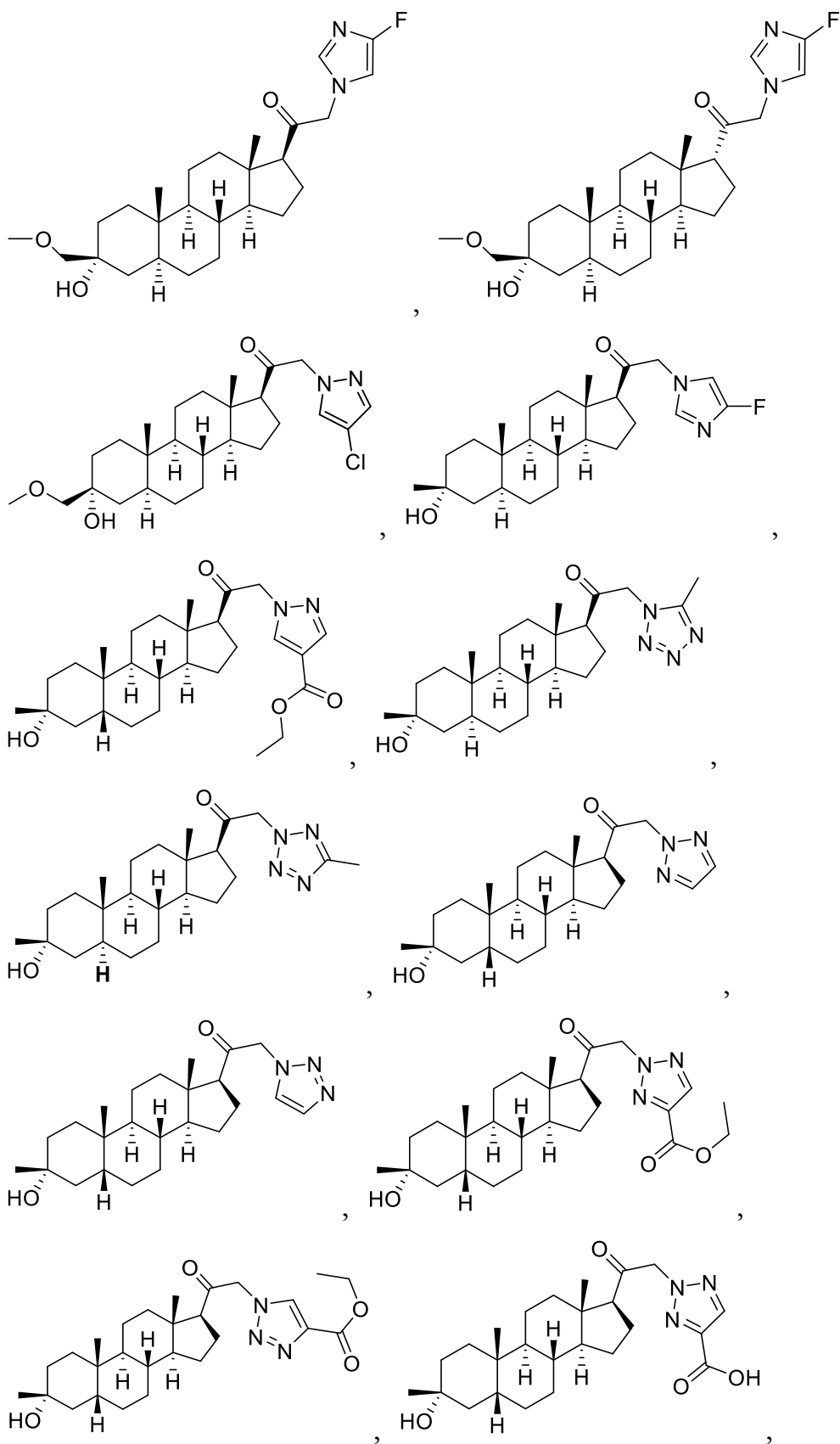


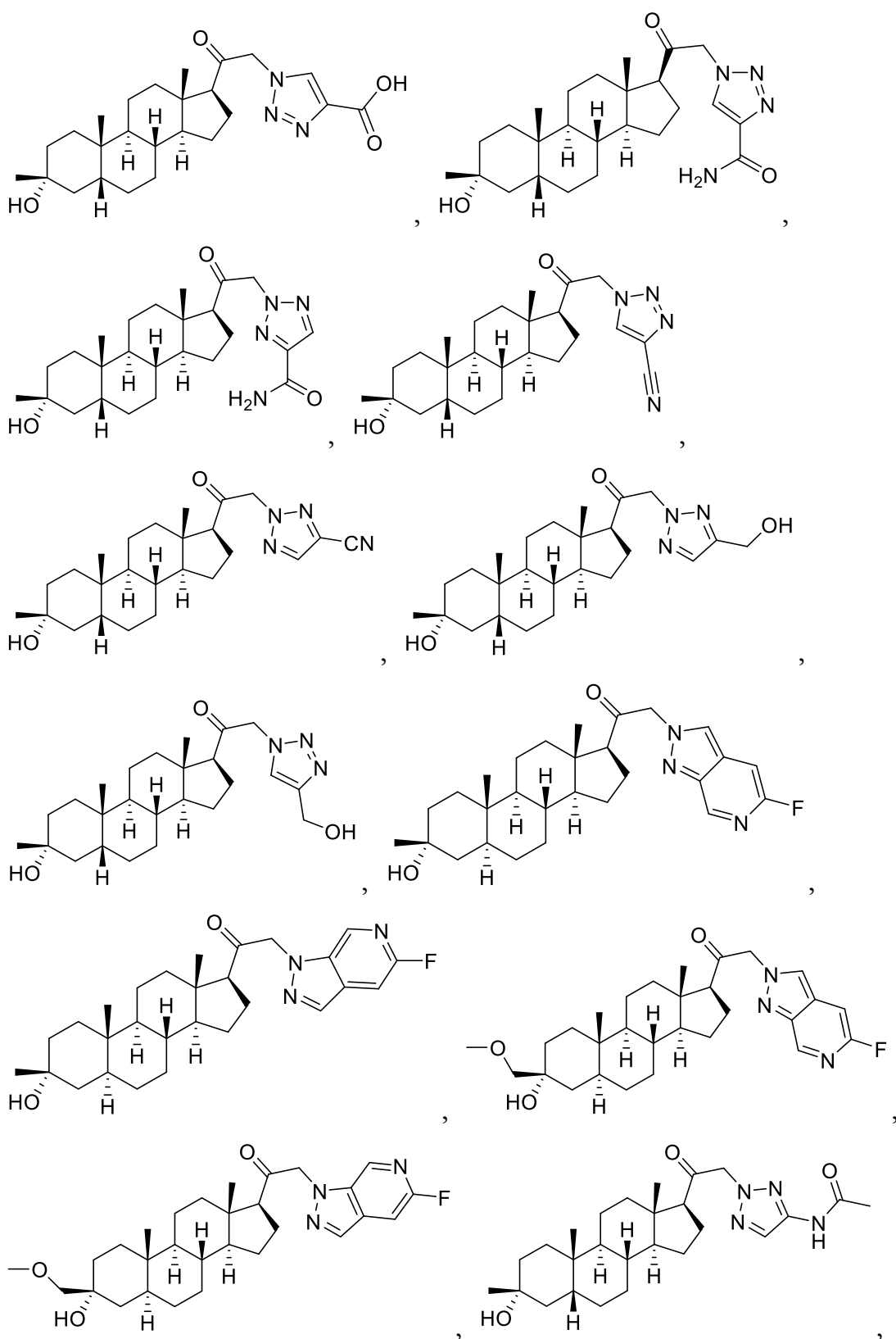


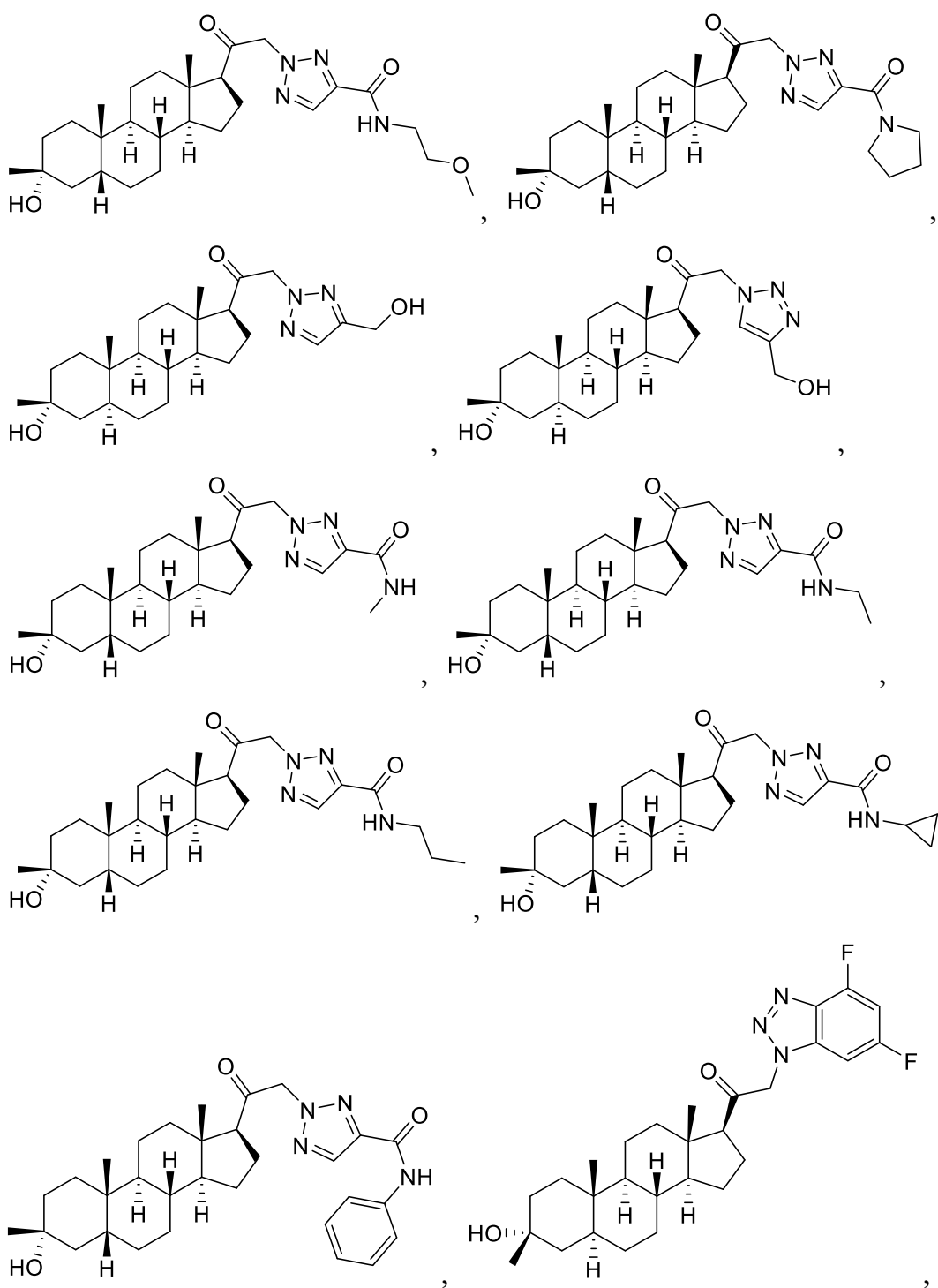


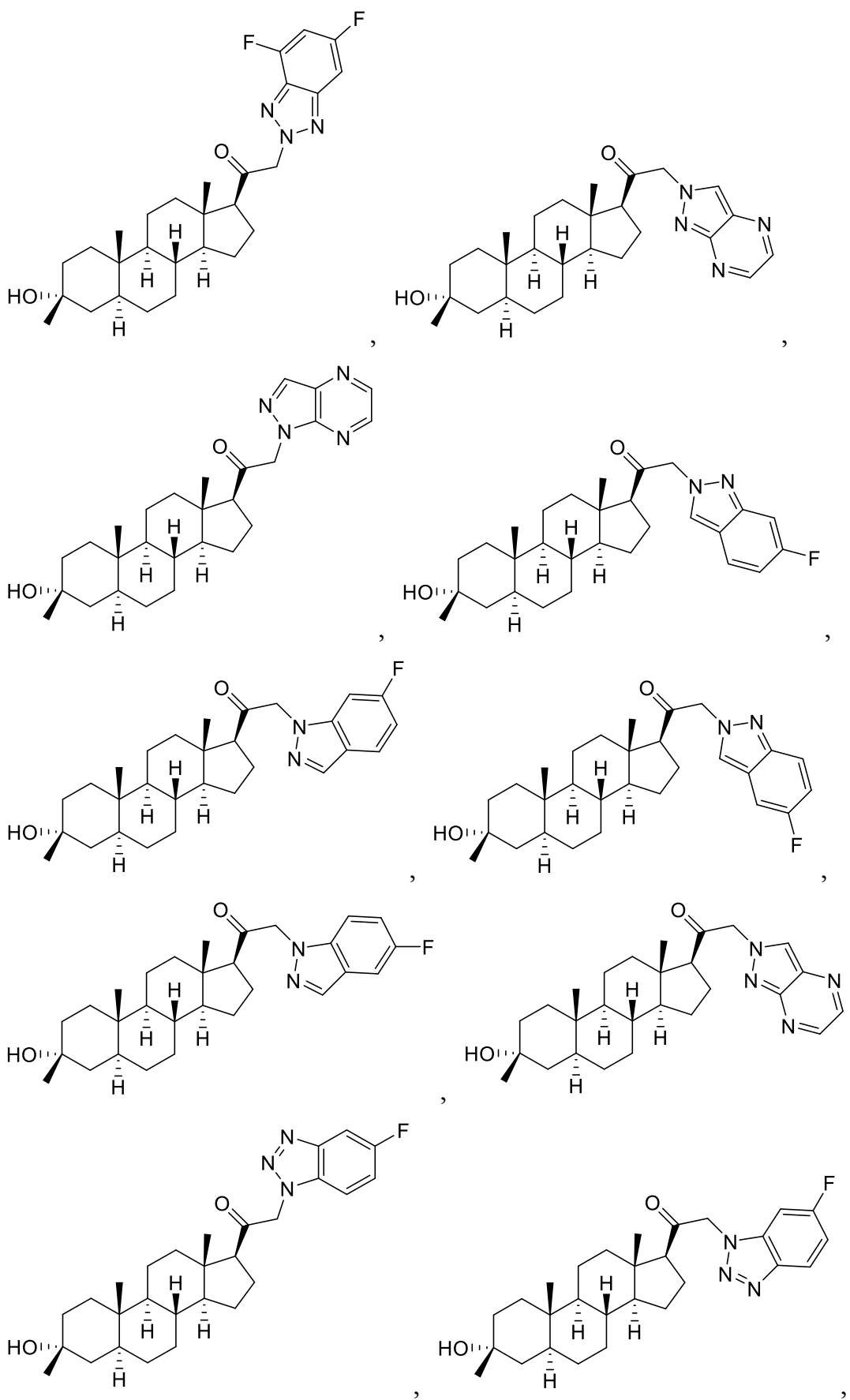


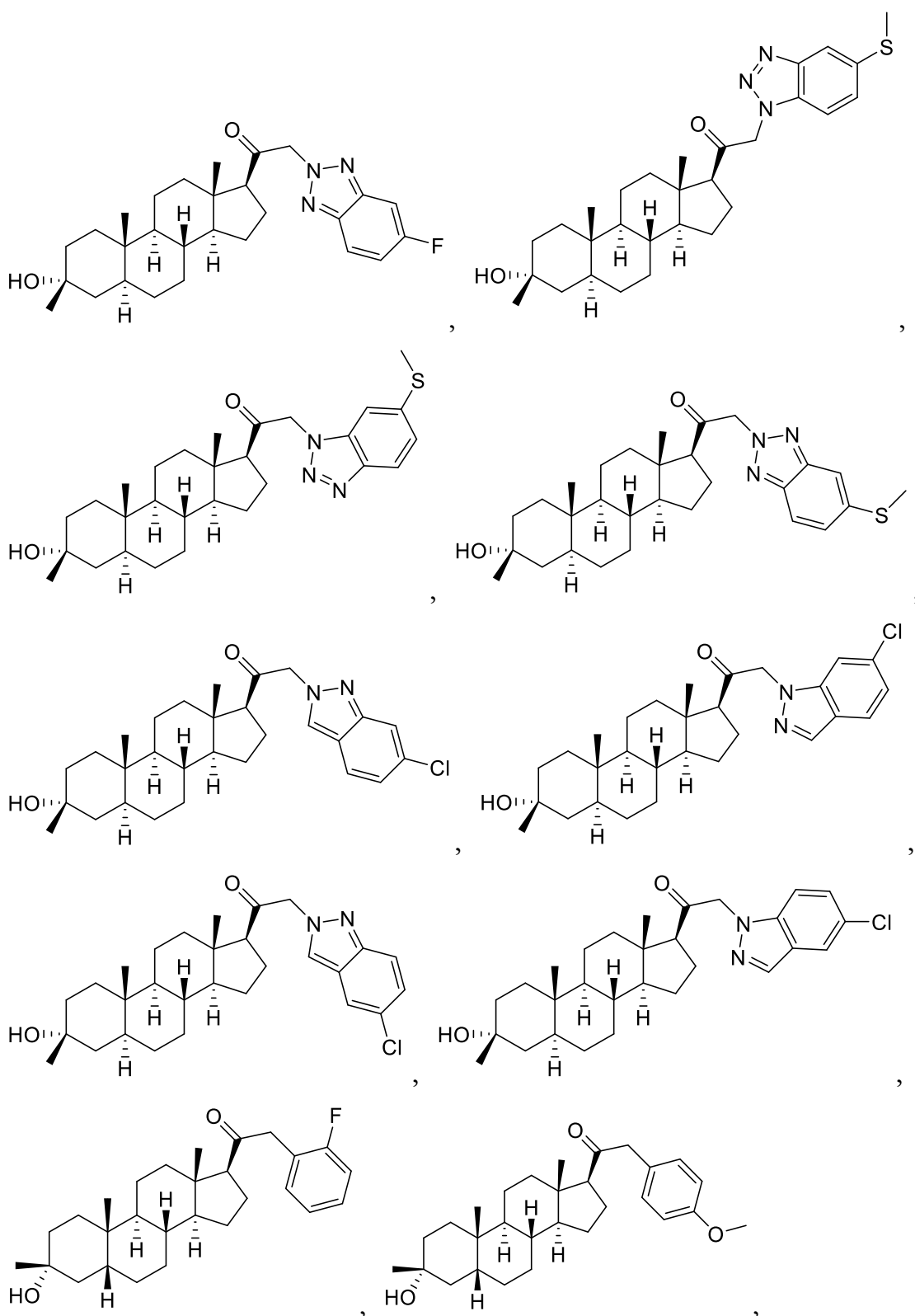


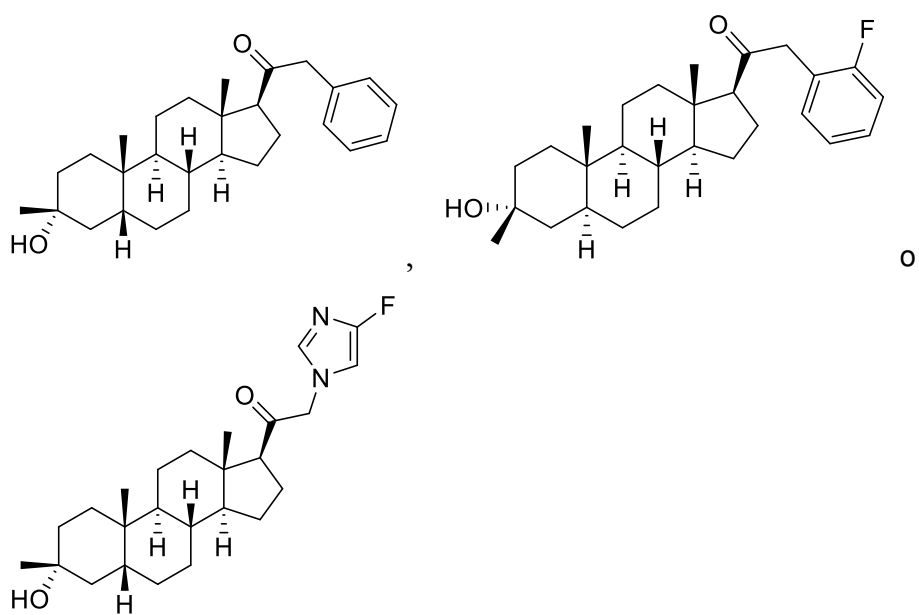




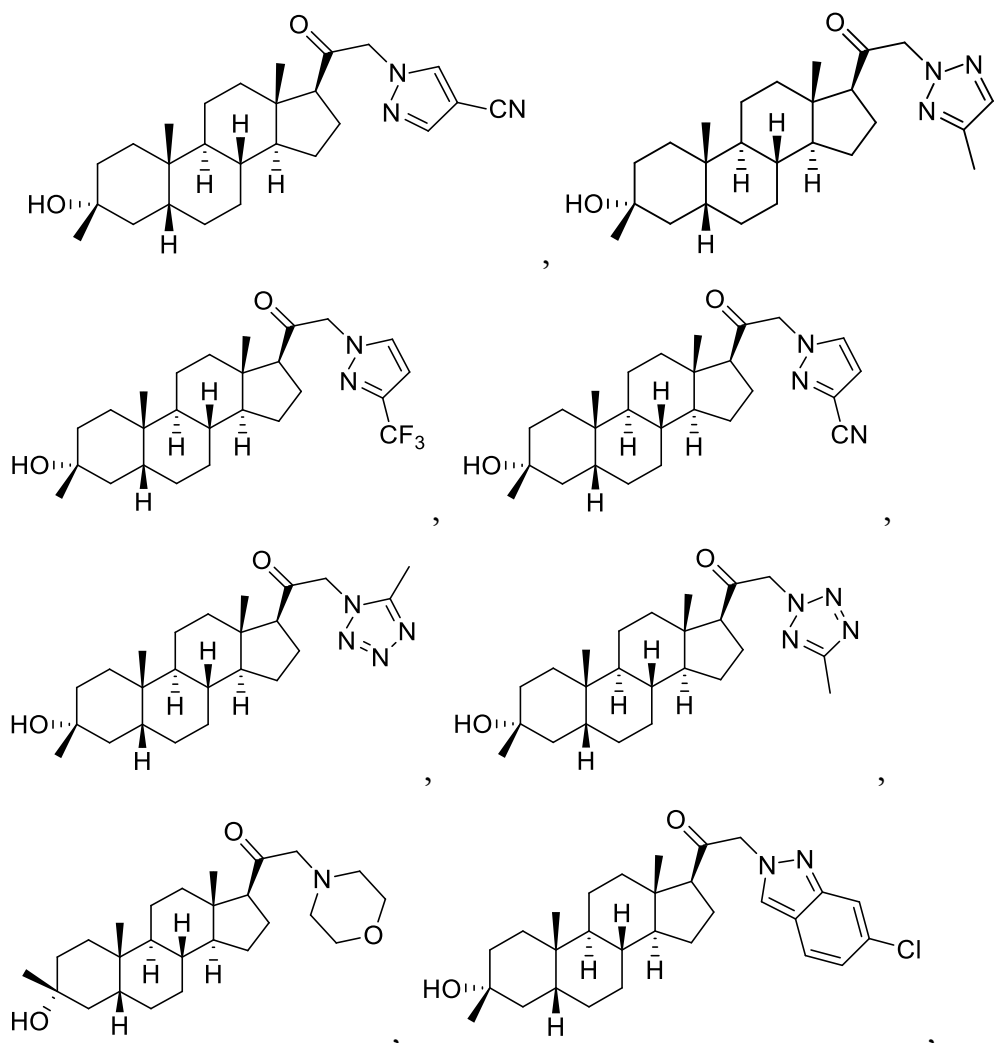


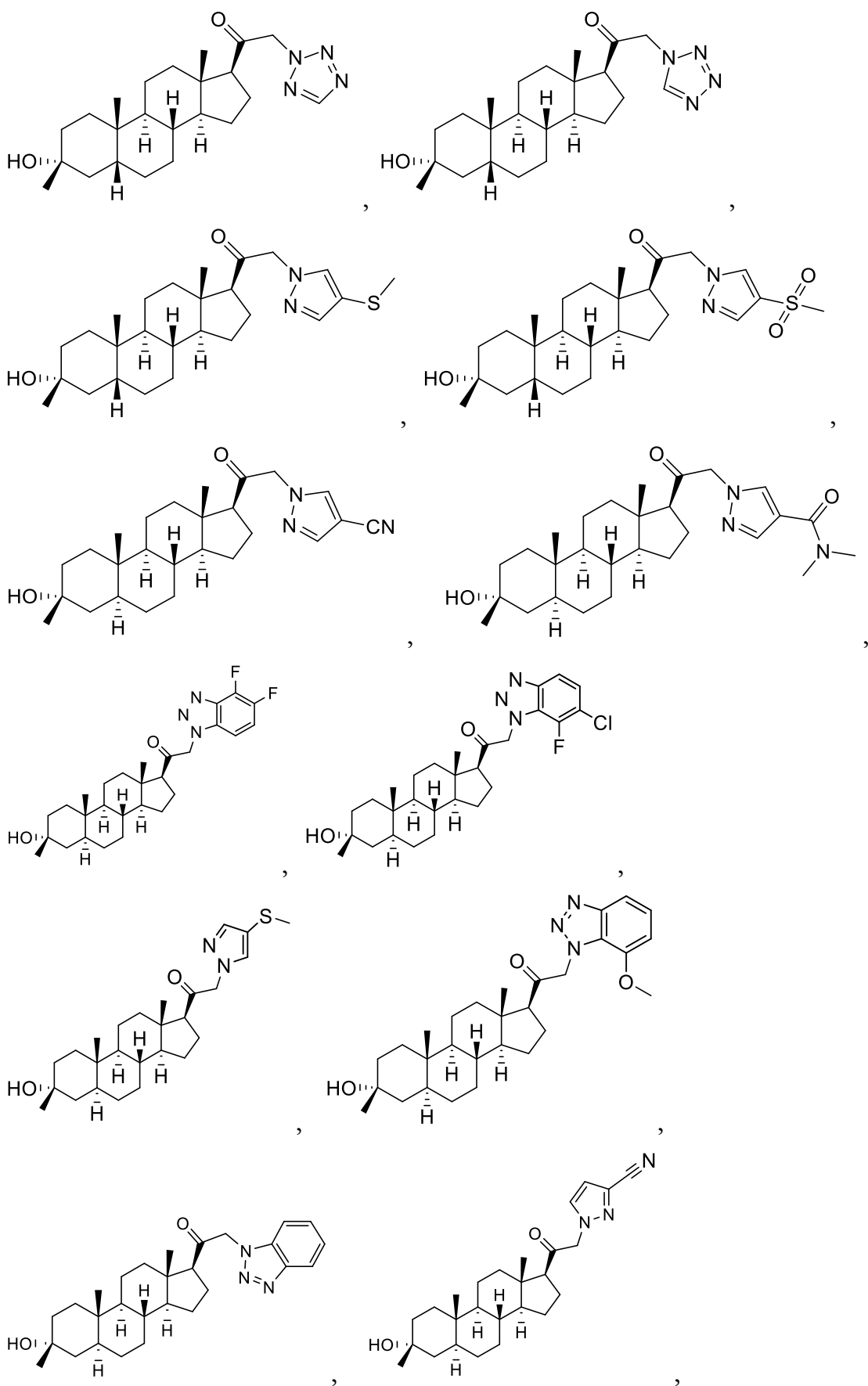


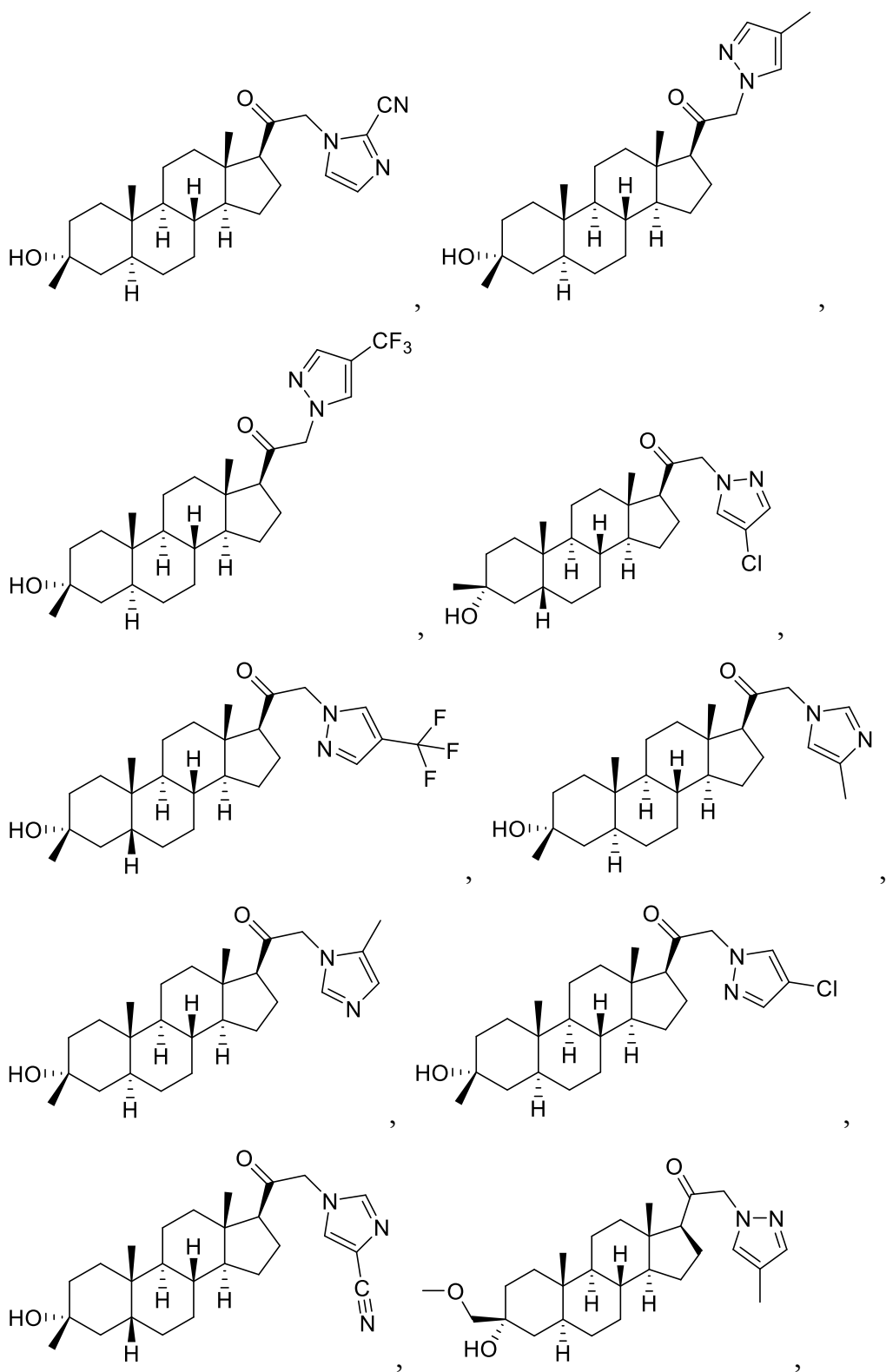


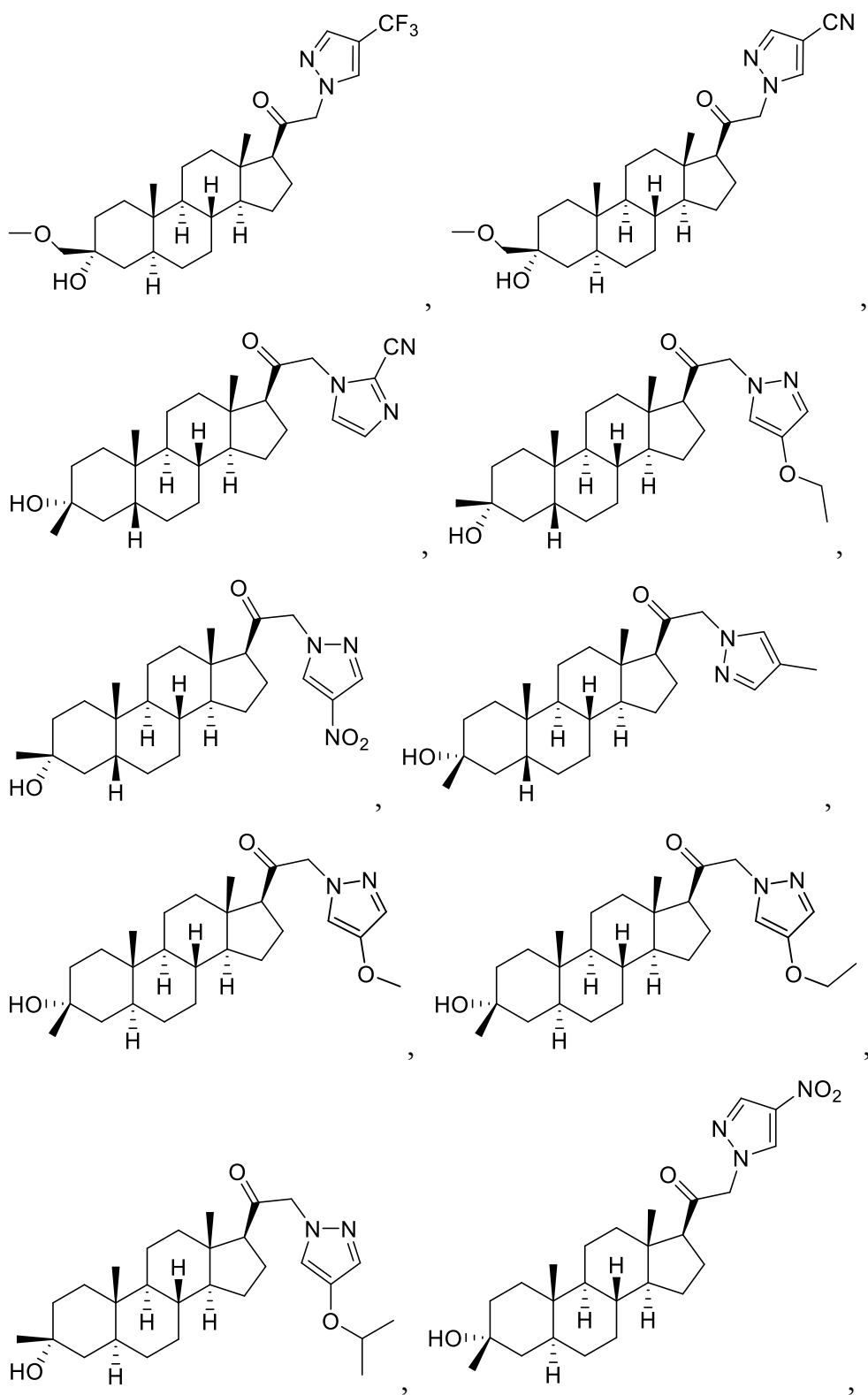


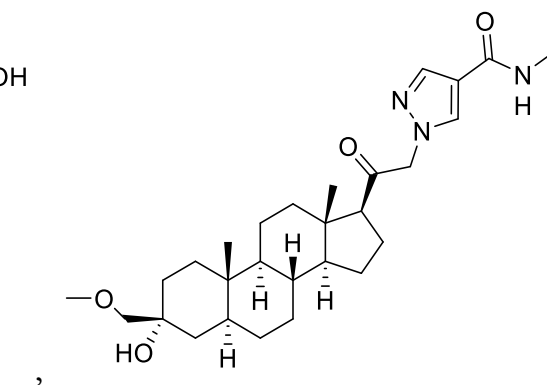
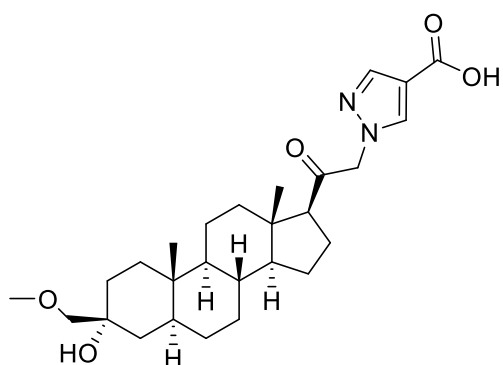
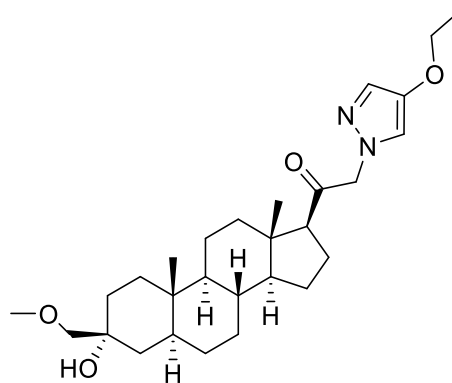
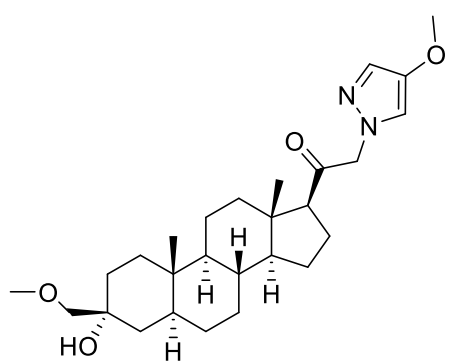
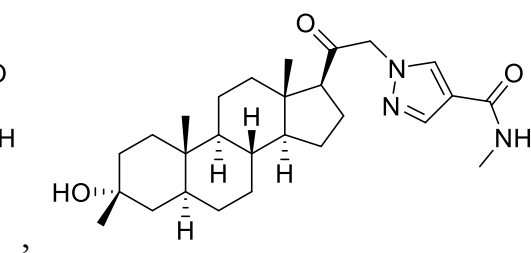
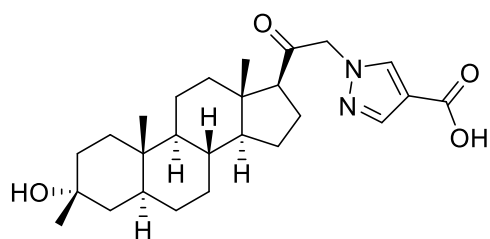
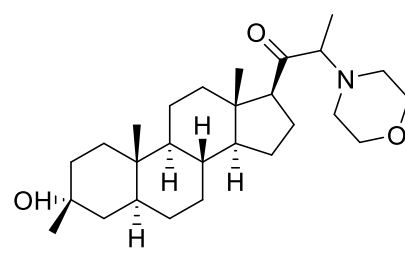
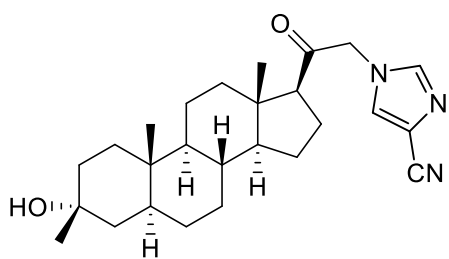
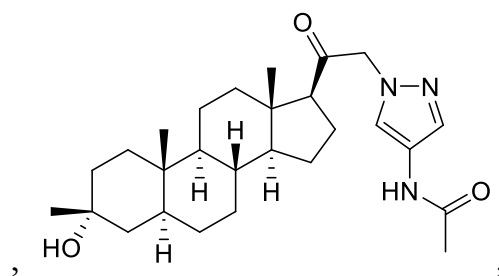
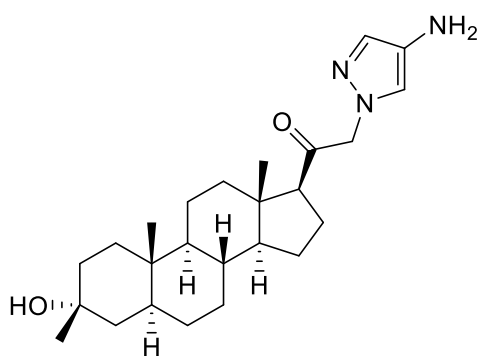
29. Un compuesto, en donde el compuesto es:

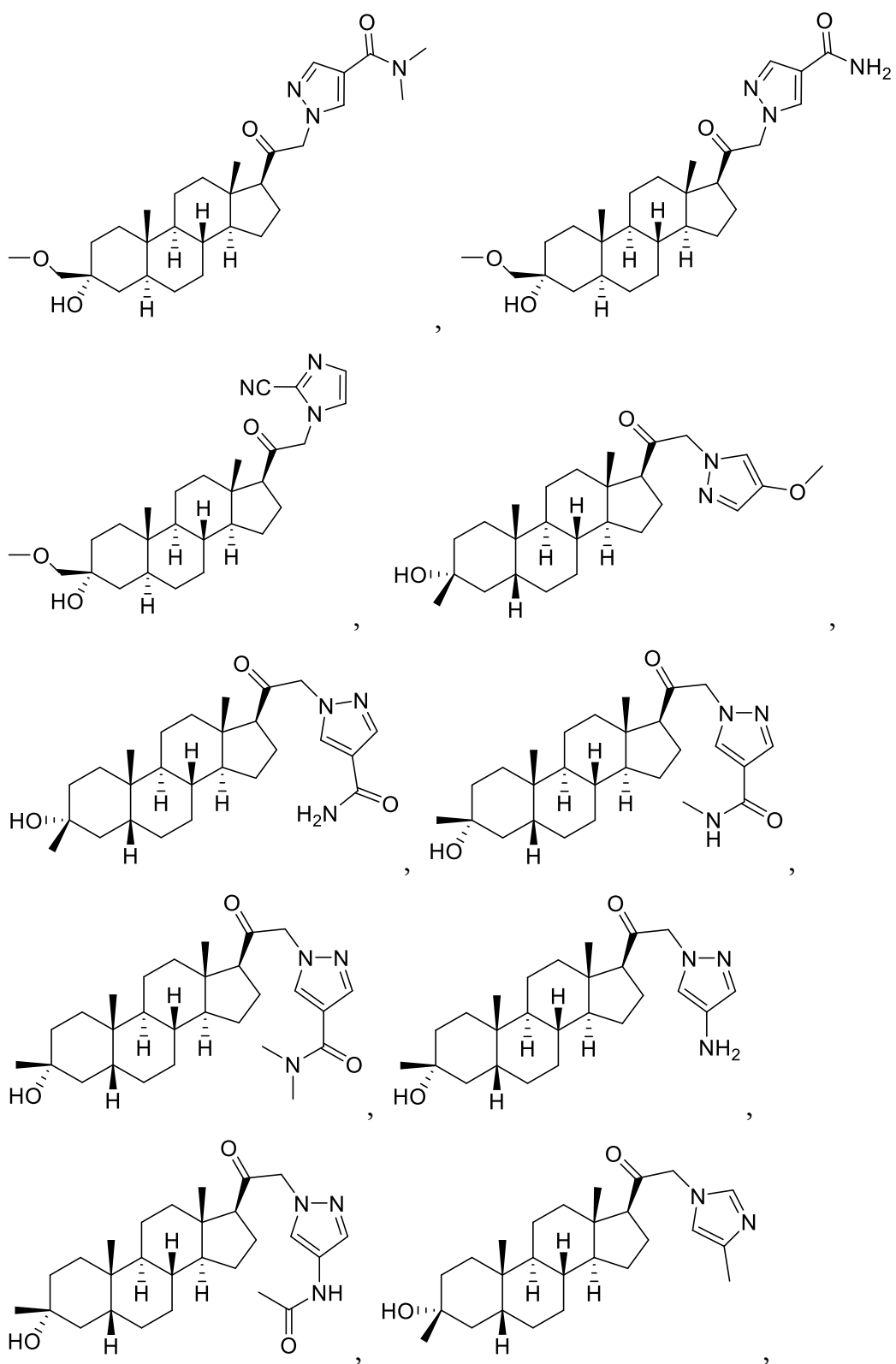


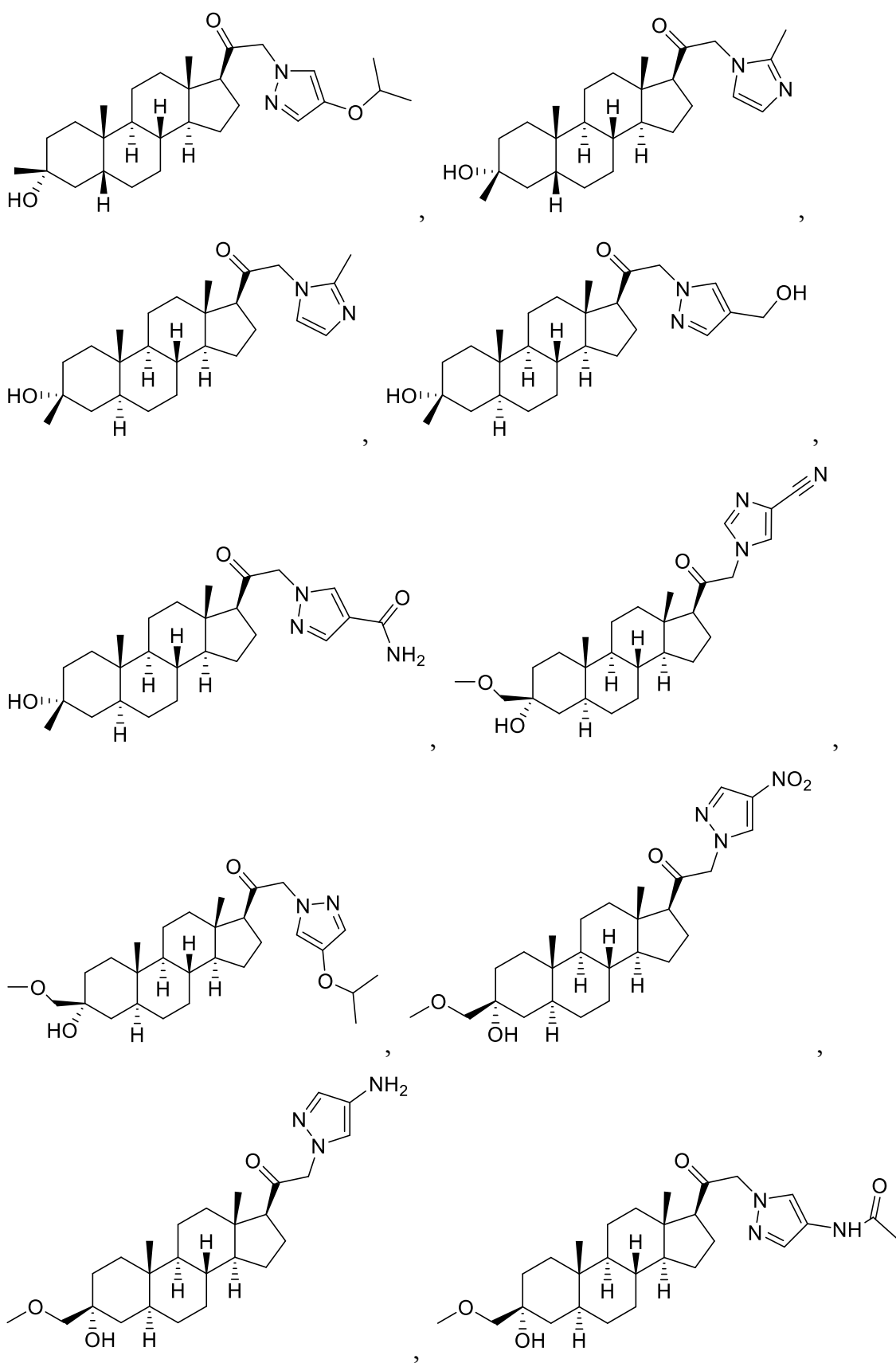


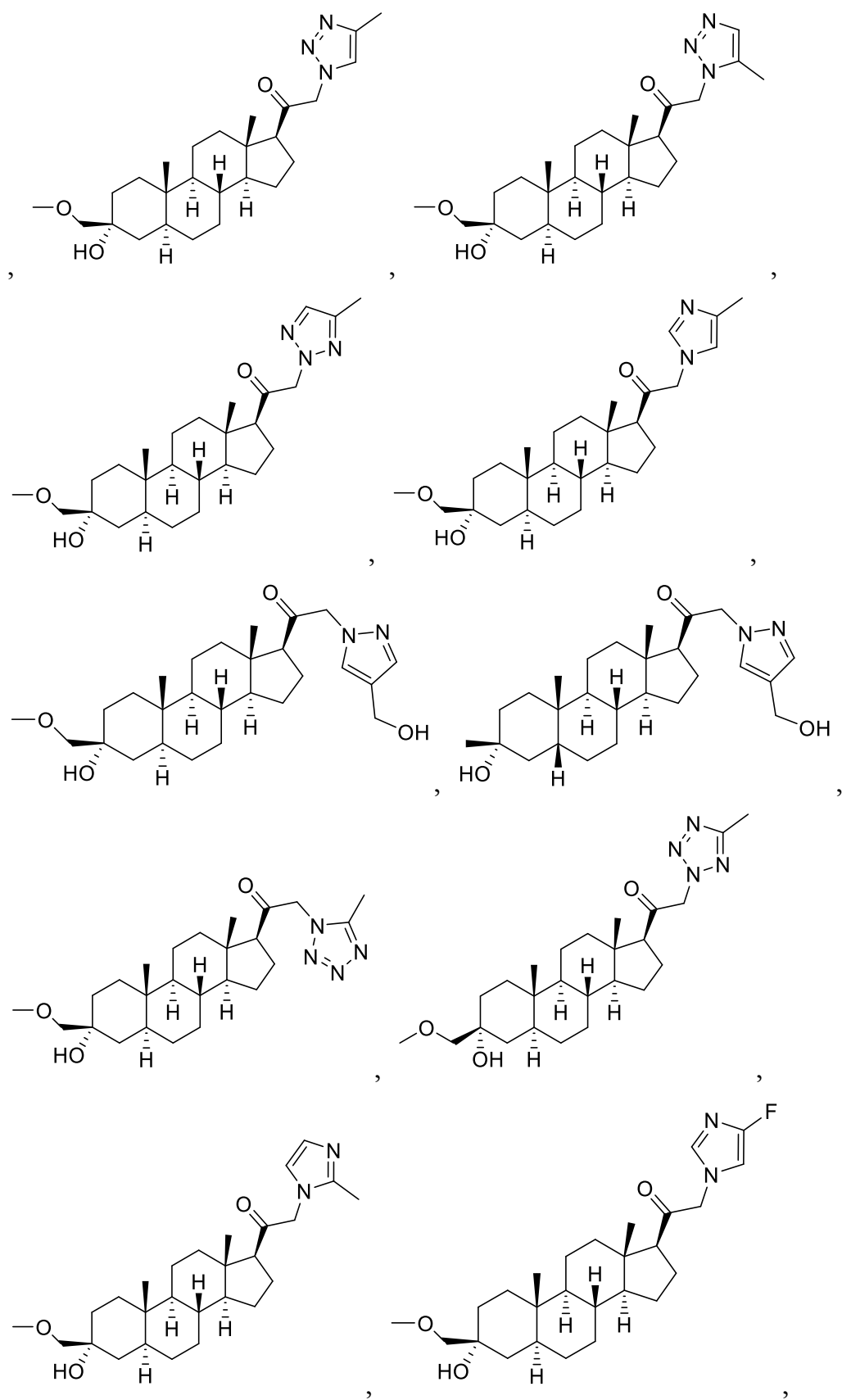


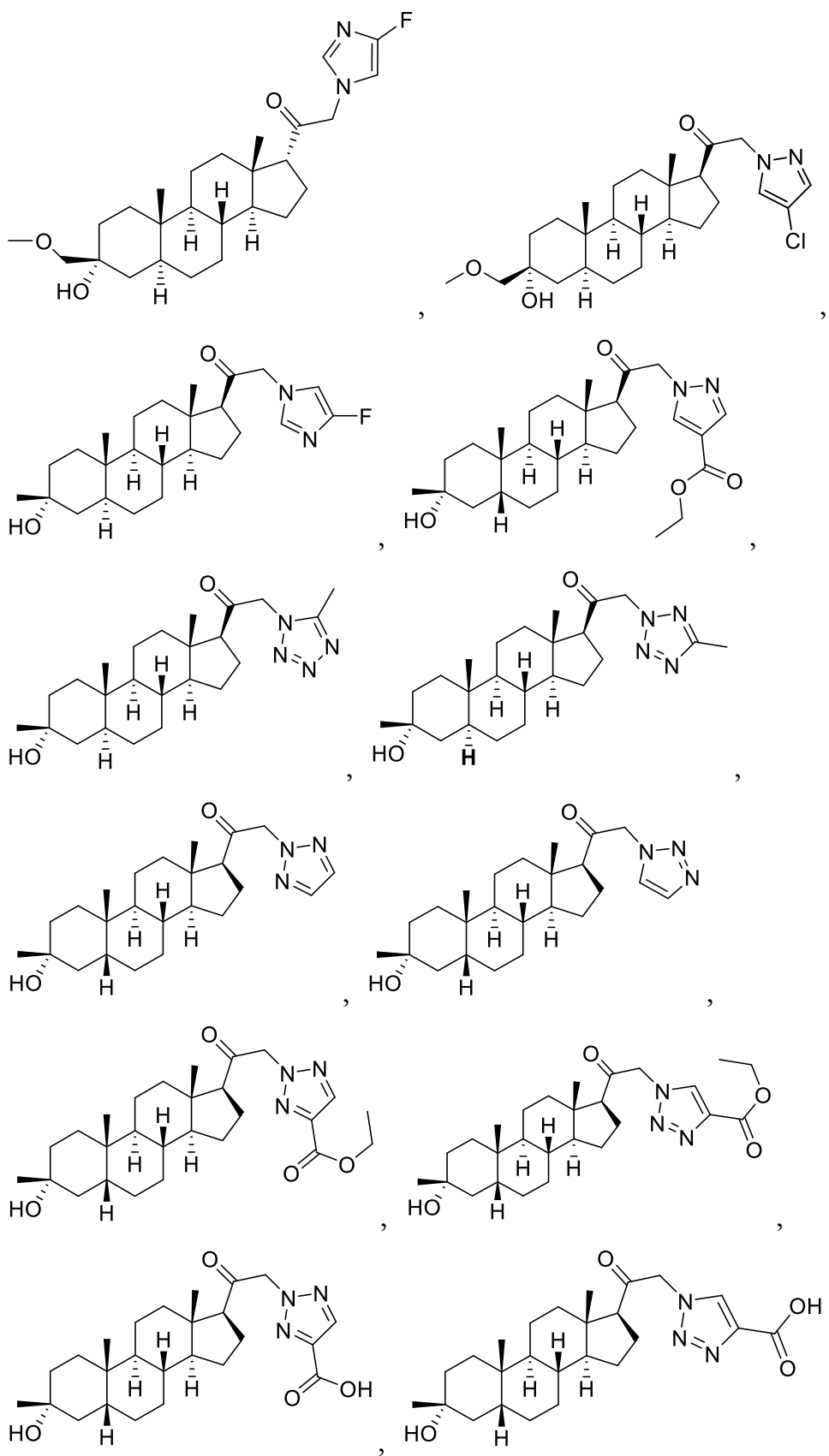


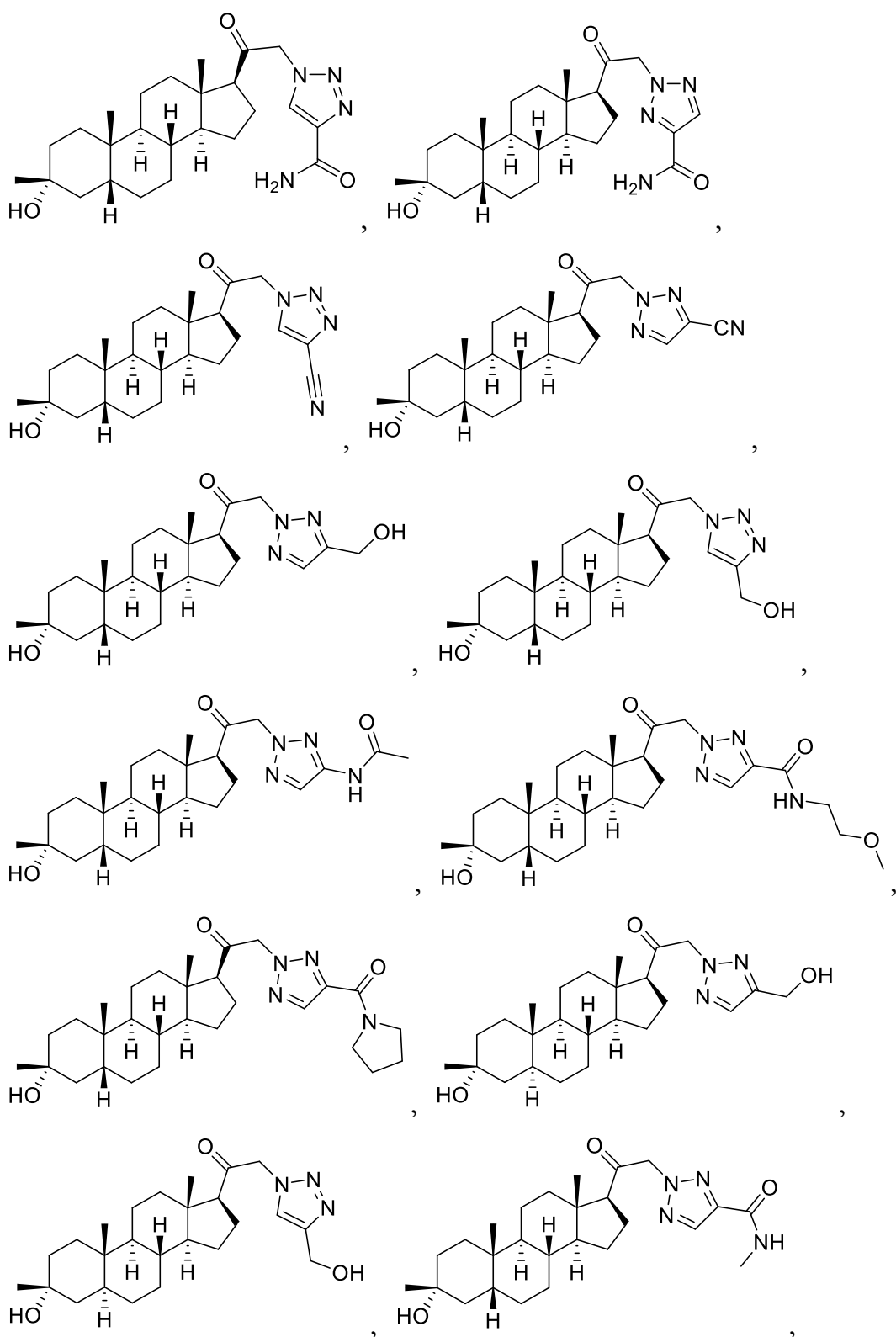


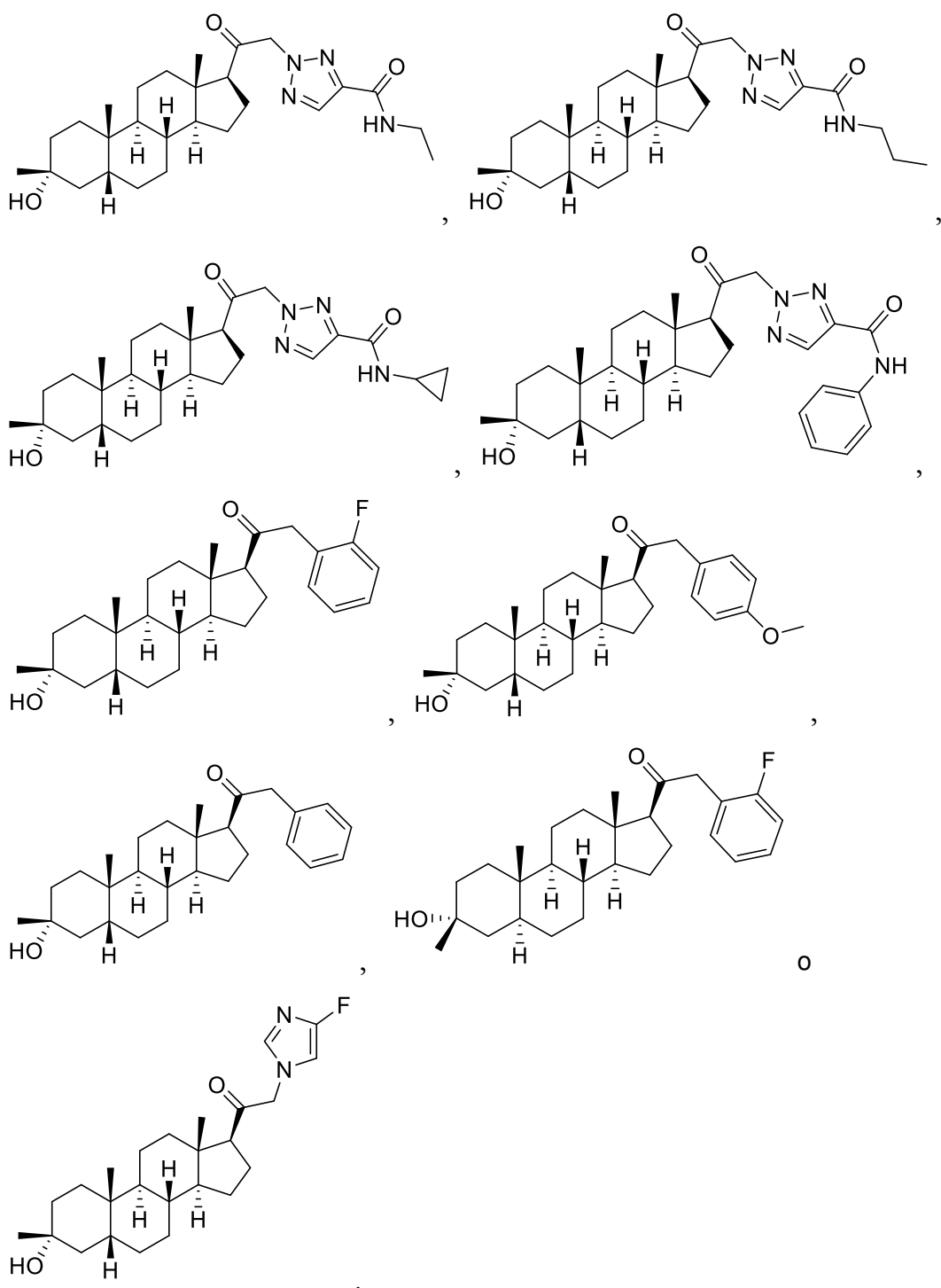




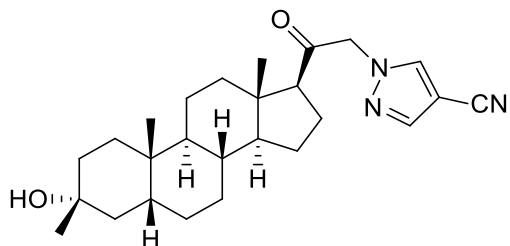




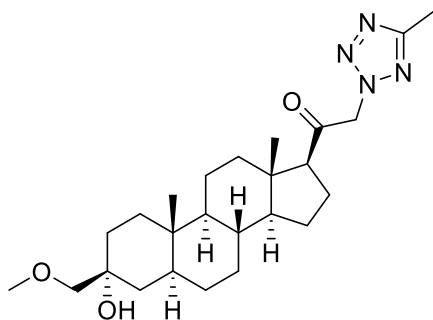




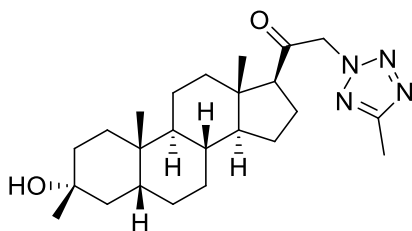
30. Un compuesto, en donde el compuesto es:



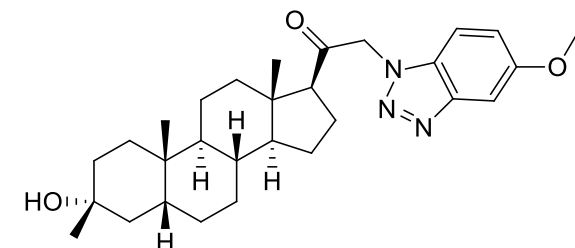
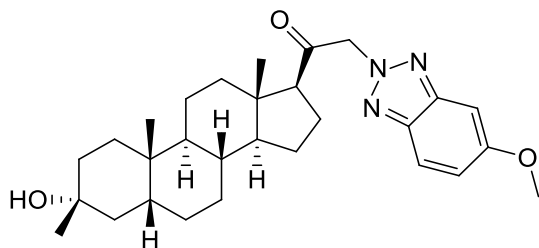
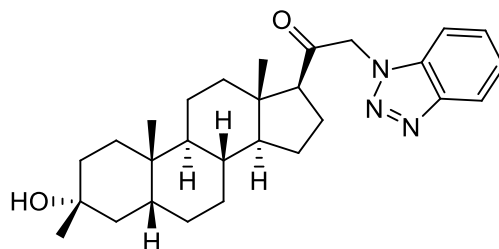
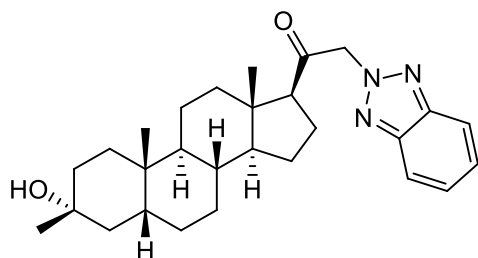
31. Un compuesto, en donde el compuesto es:

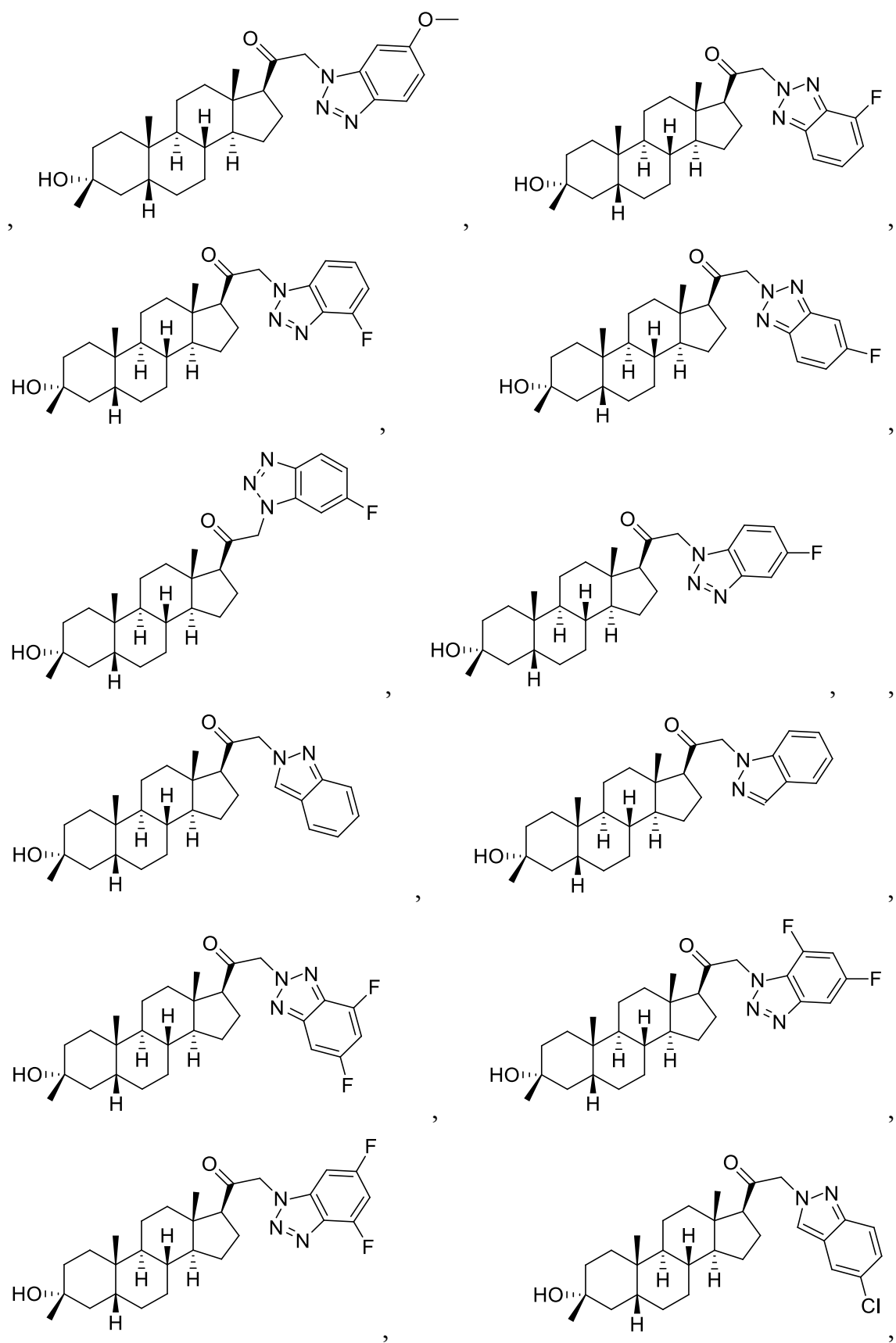


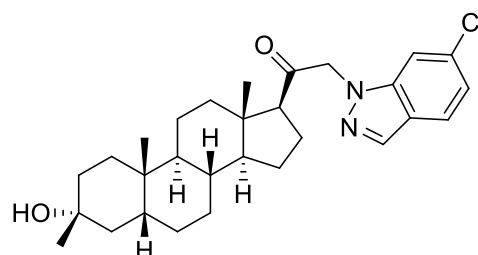
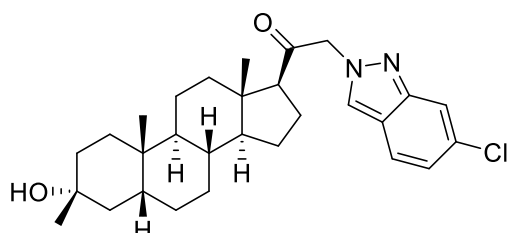
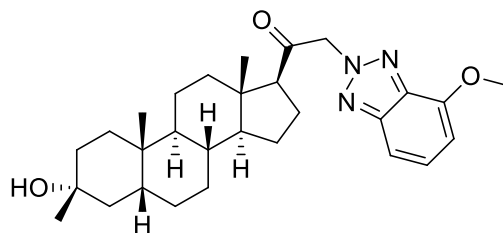
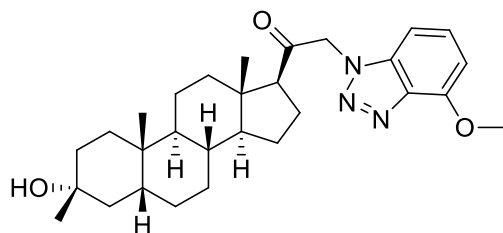
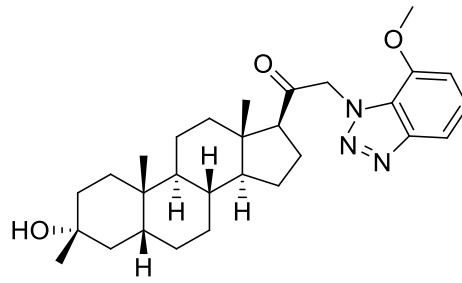
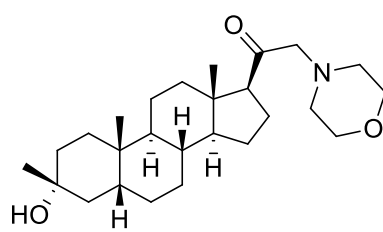
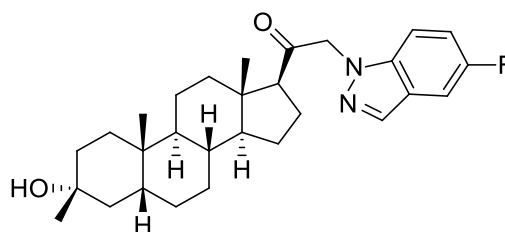
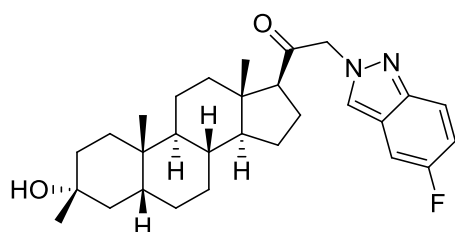
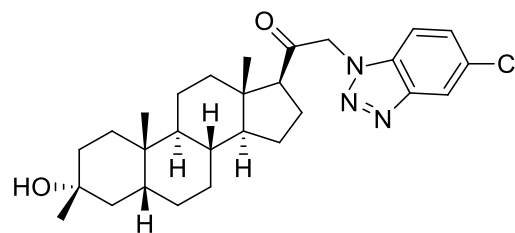
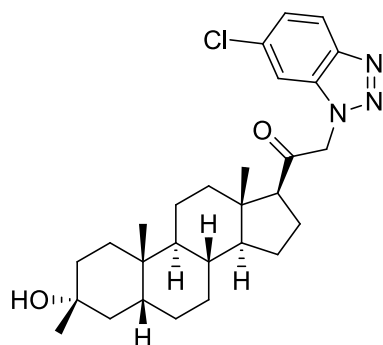
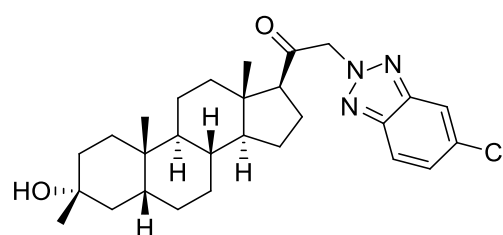
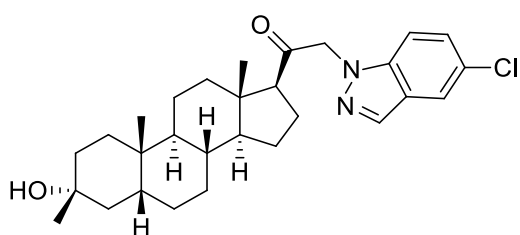
32. Un compuesto, en donde el compuesto es:

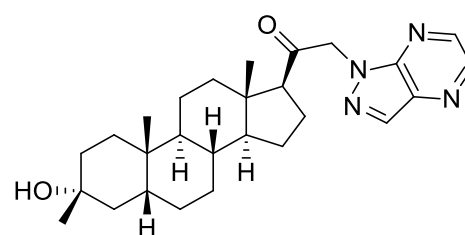
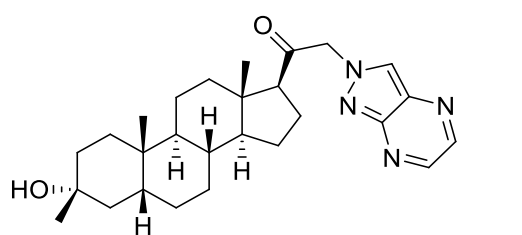
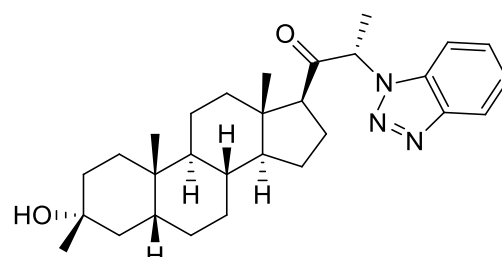
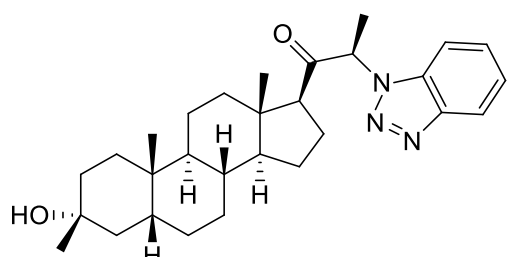
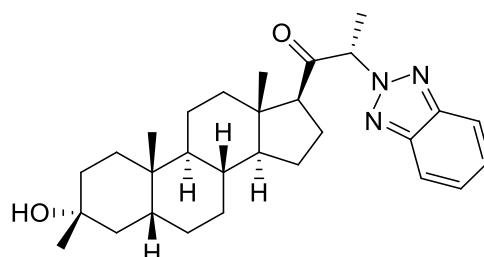
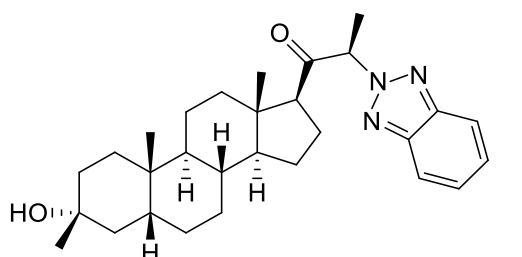
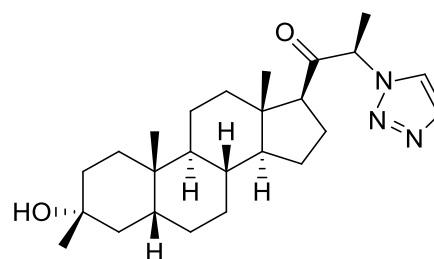
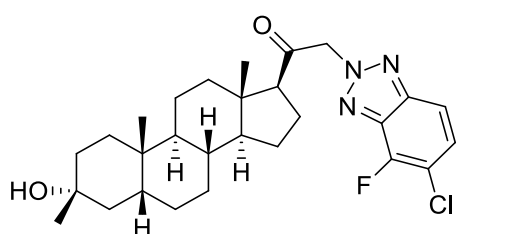
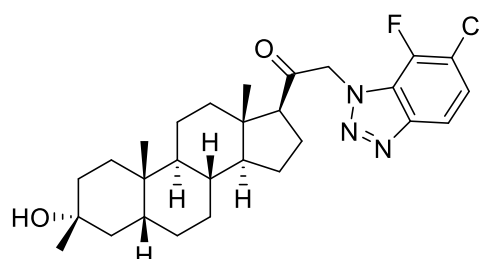
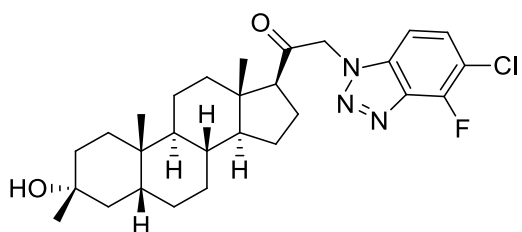
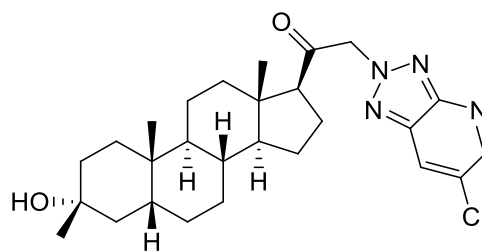
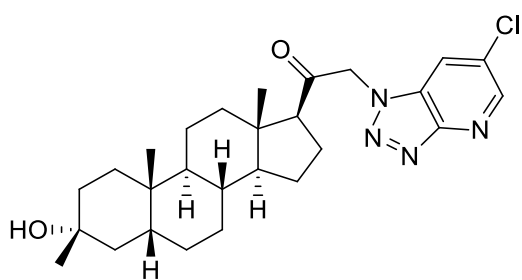


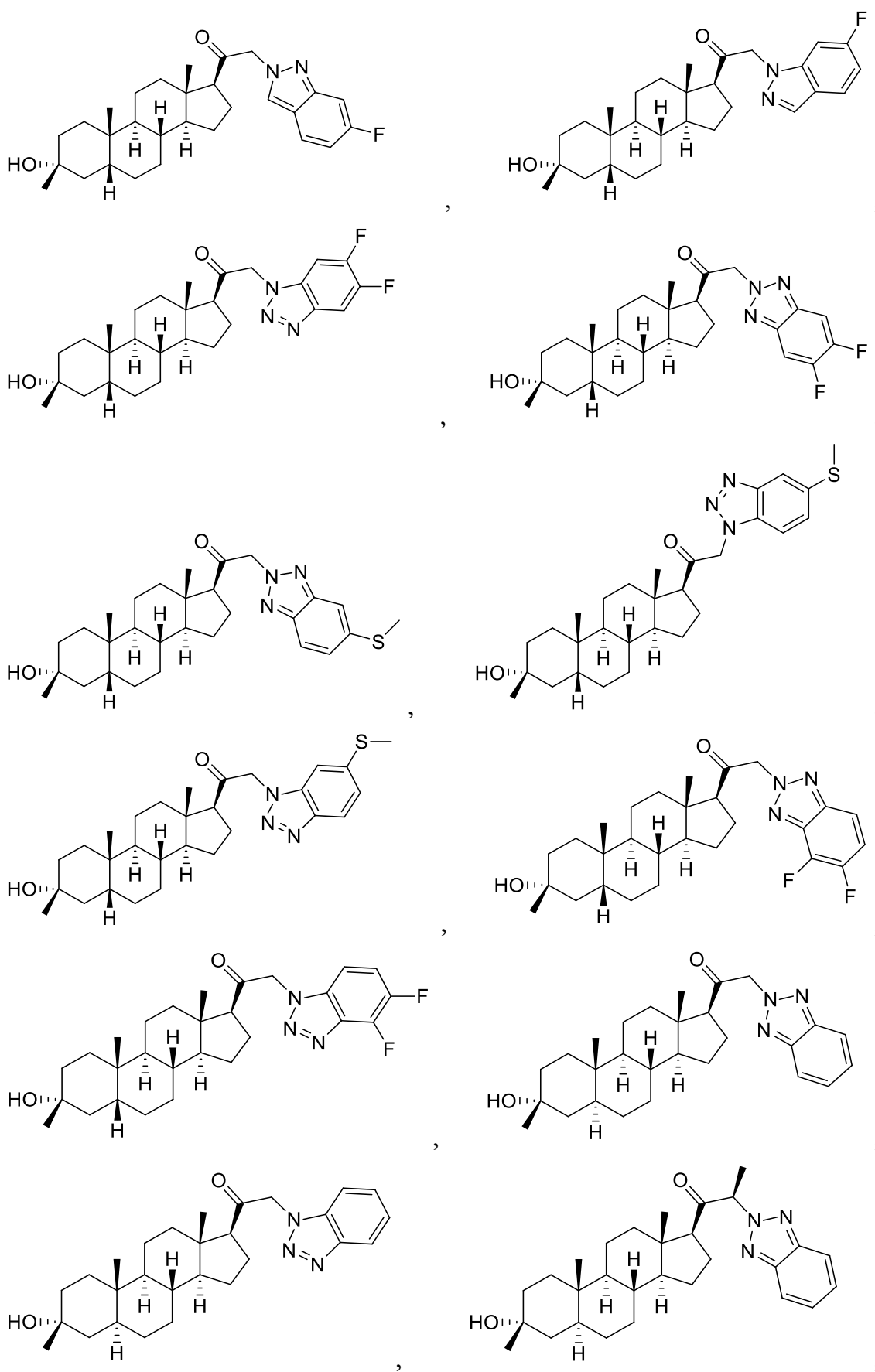
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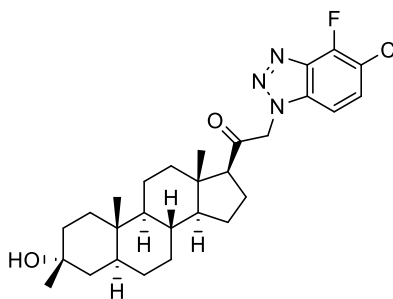
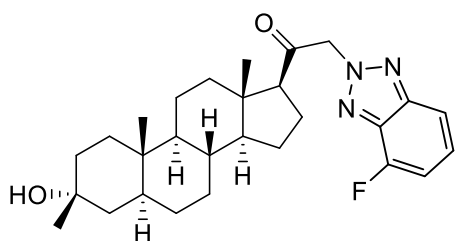
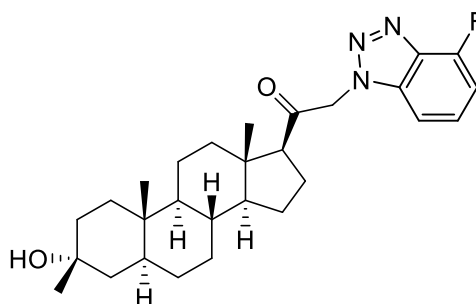
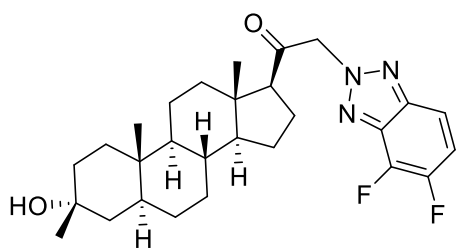
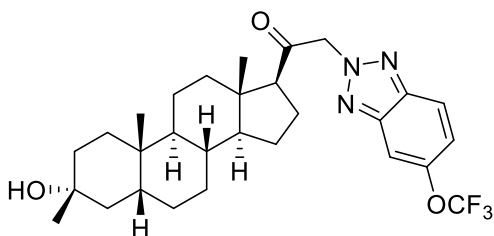
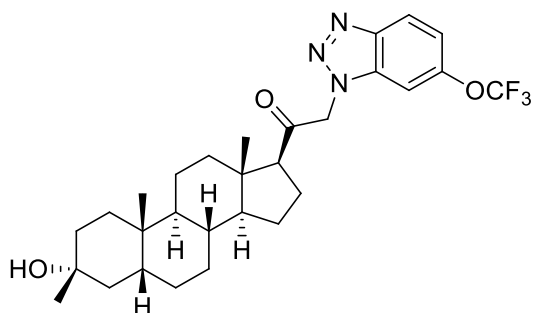
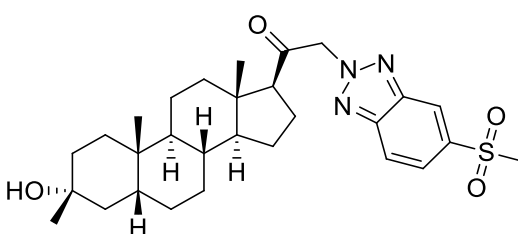
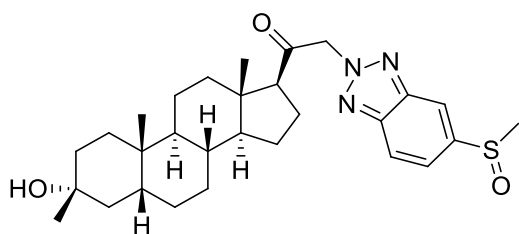
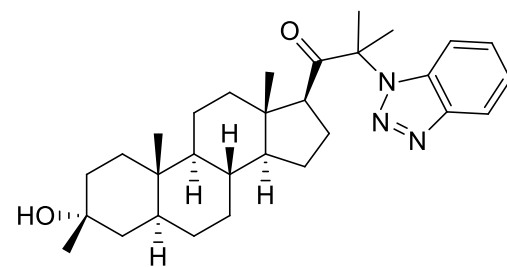
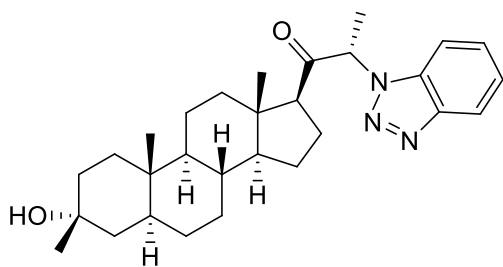
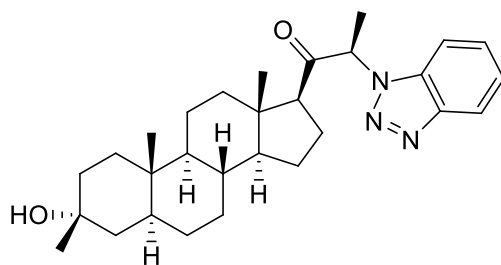
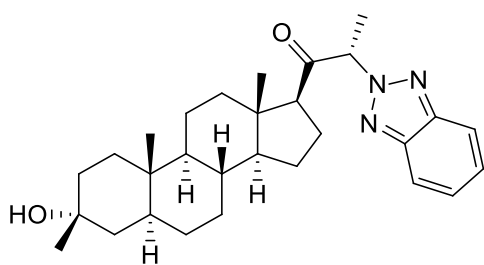


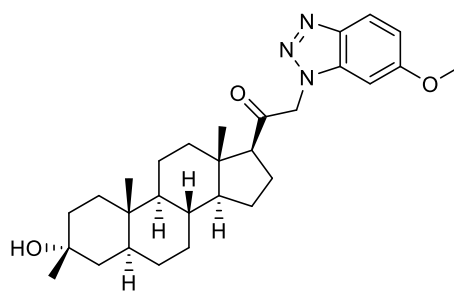
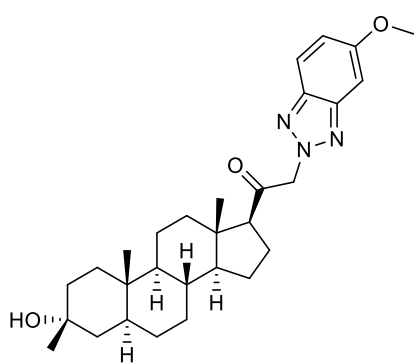
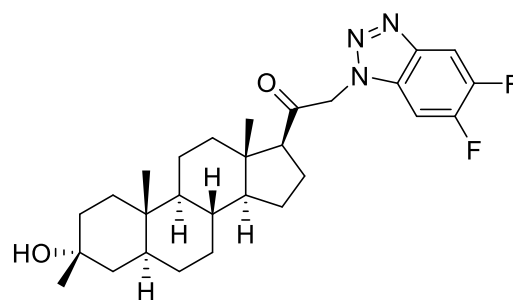
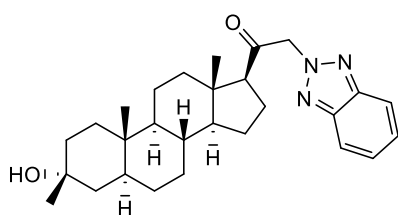
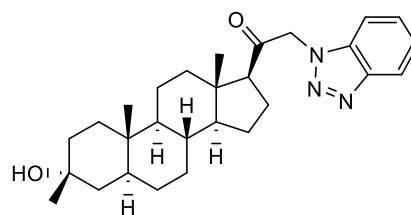
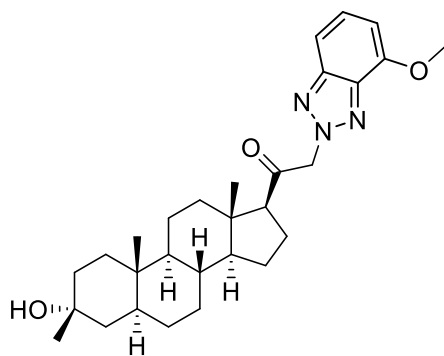
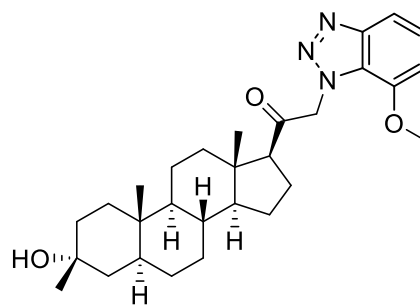
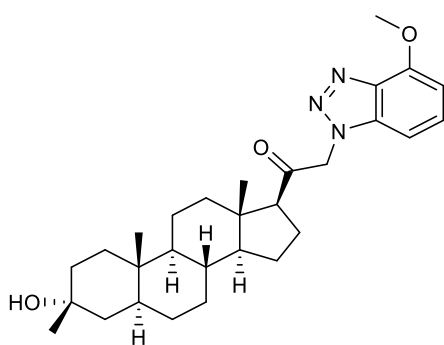
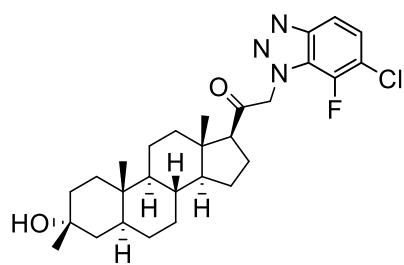
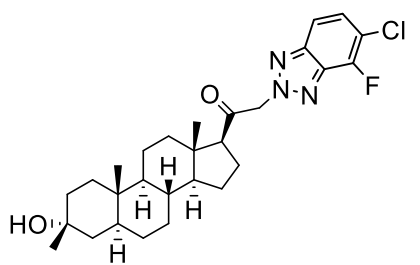


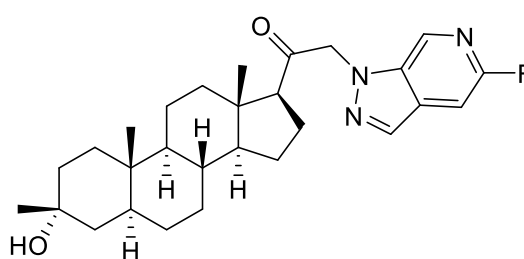
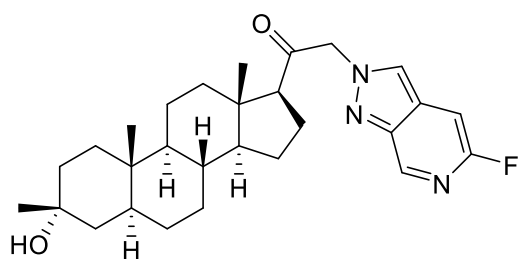
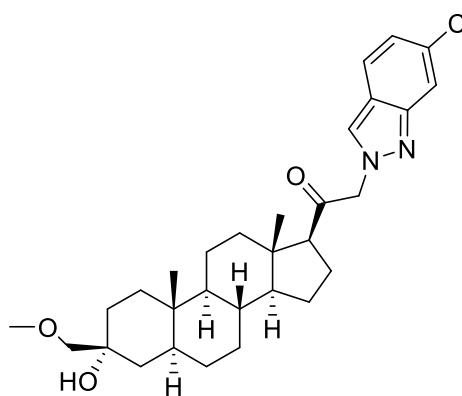
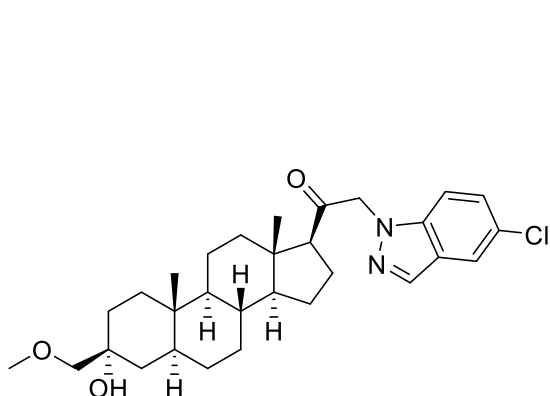
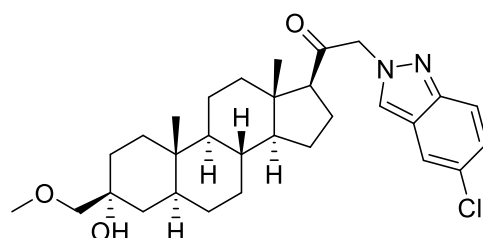
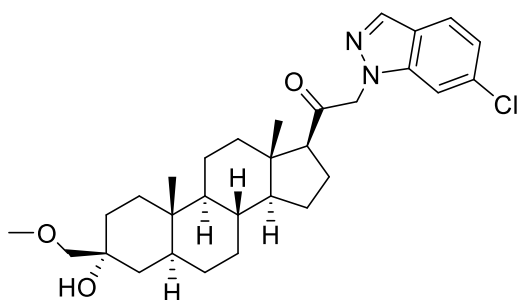
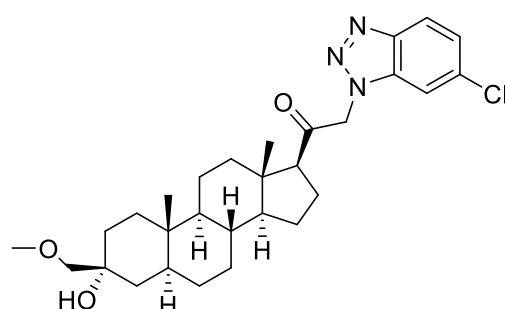
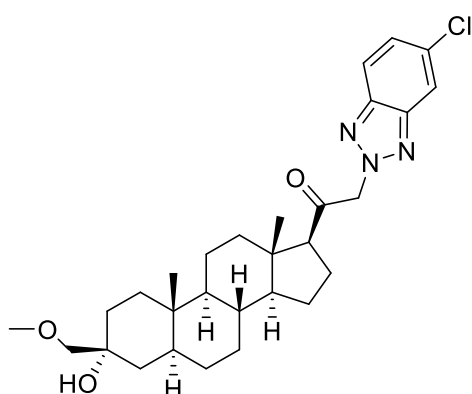
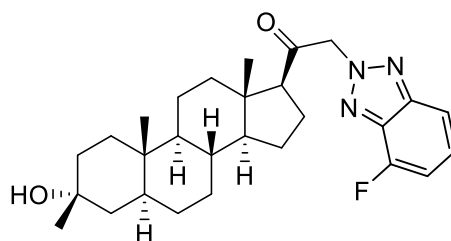
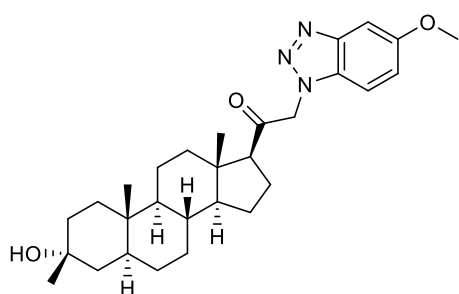


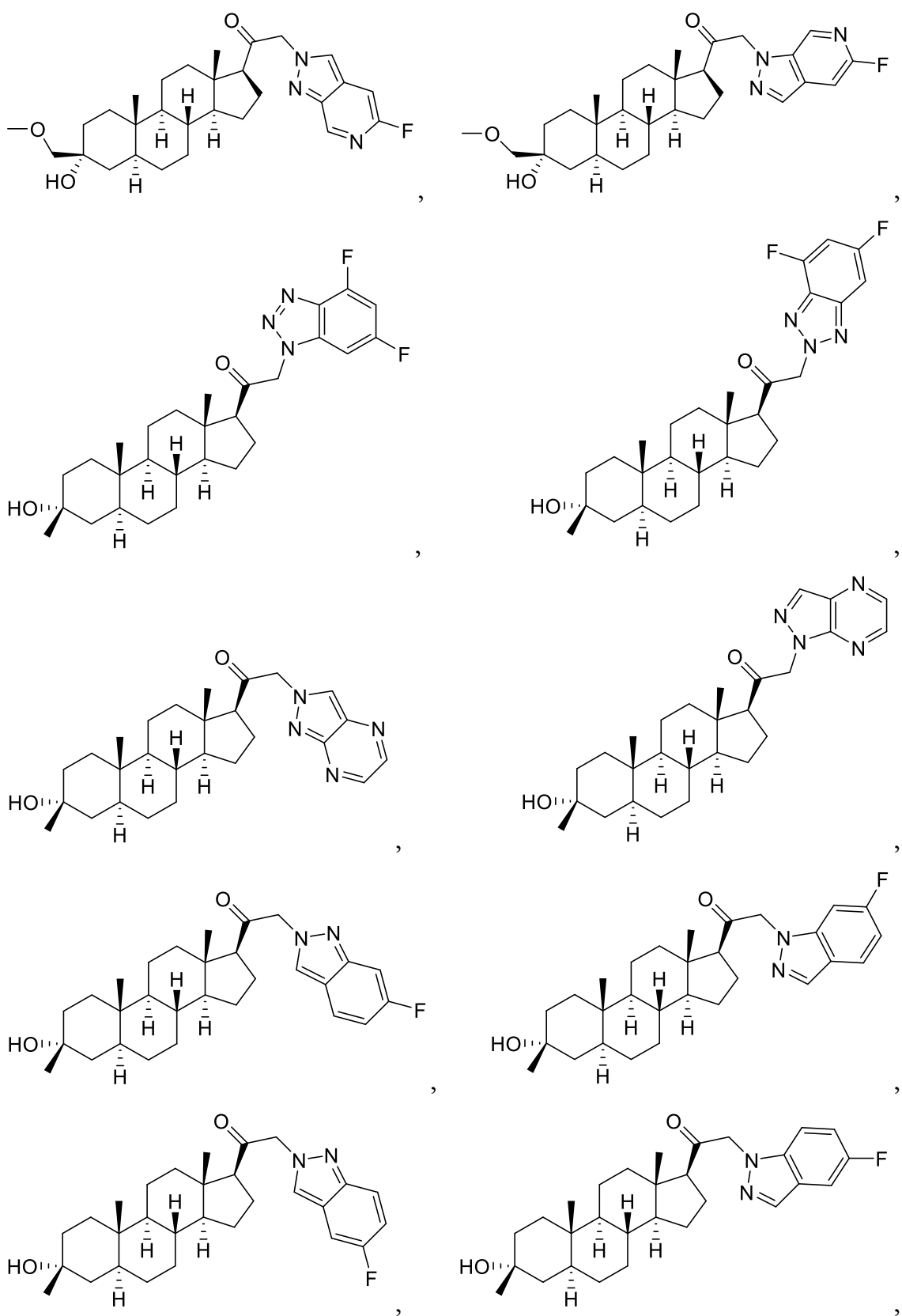


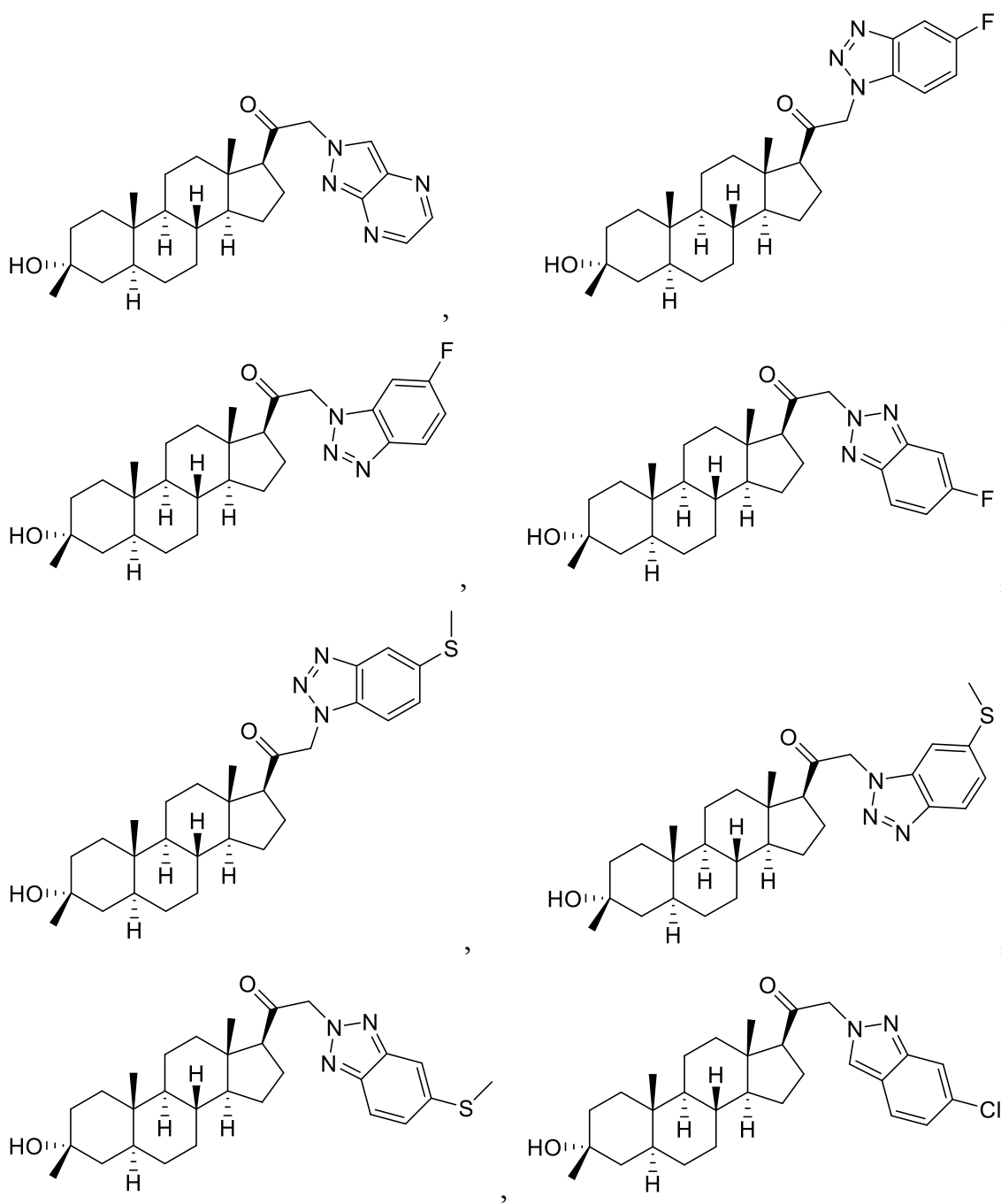


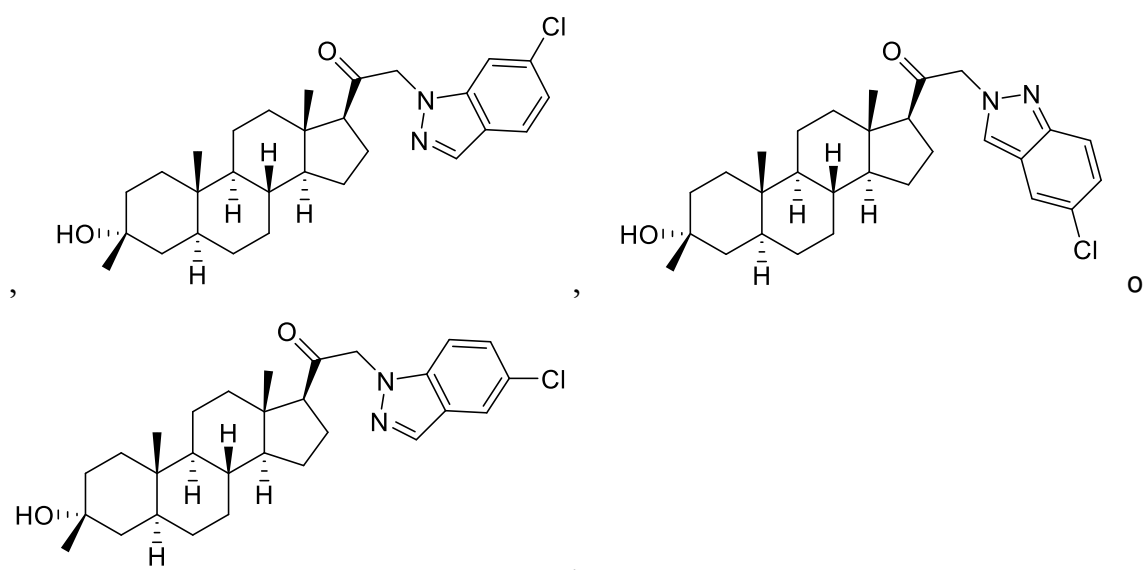




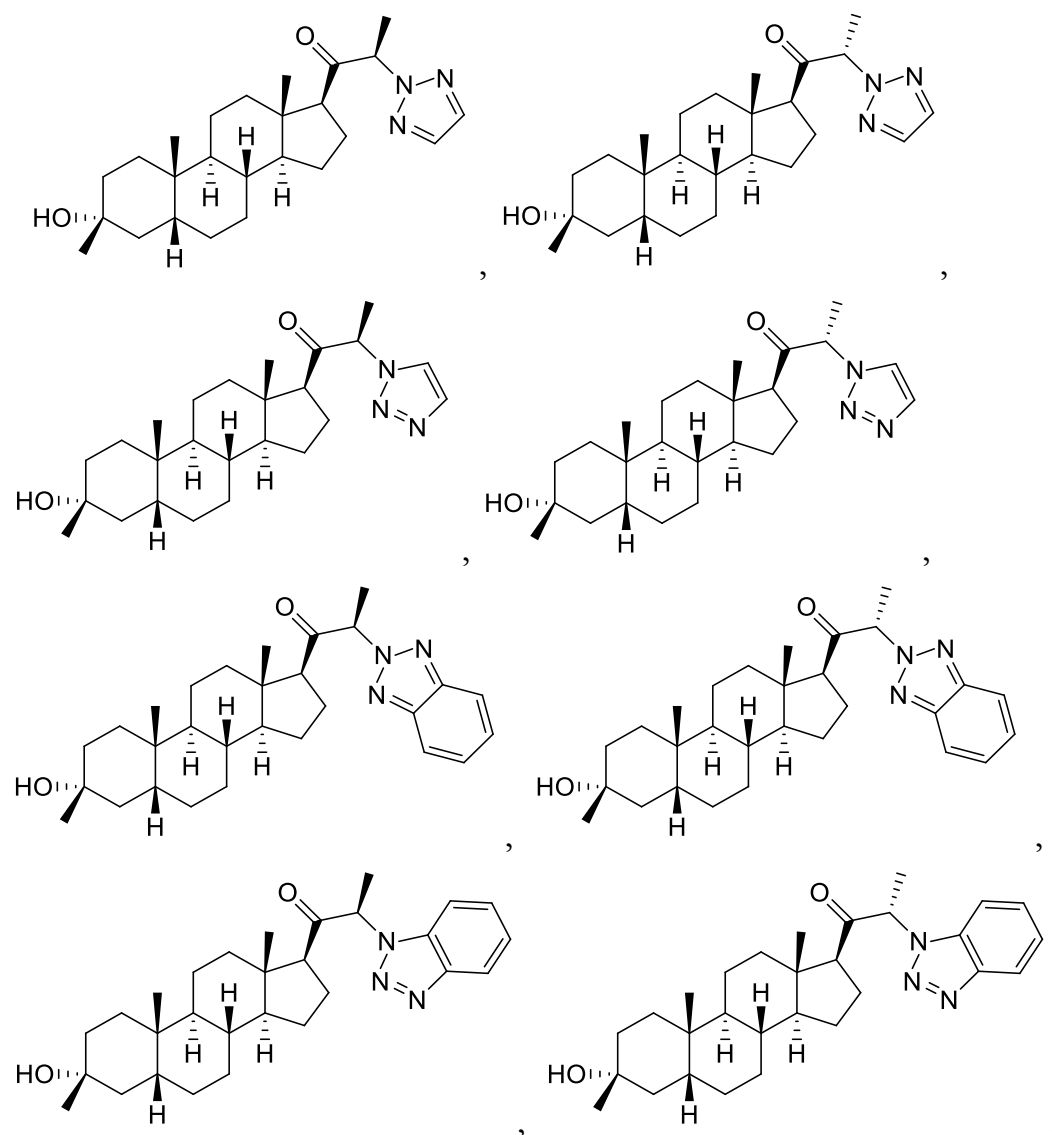


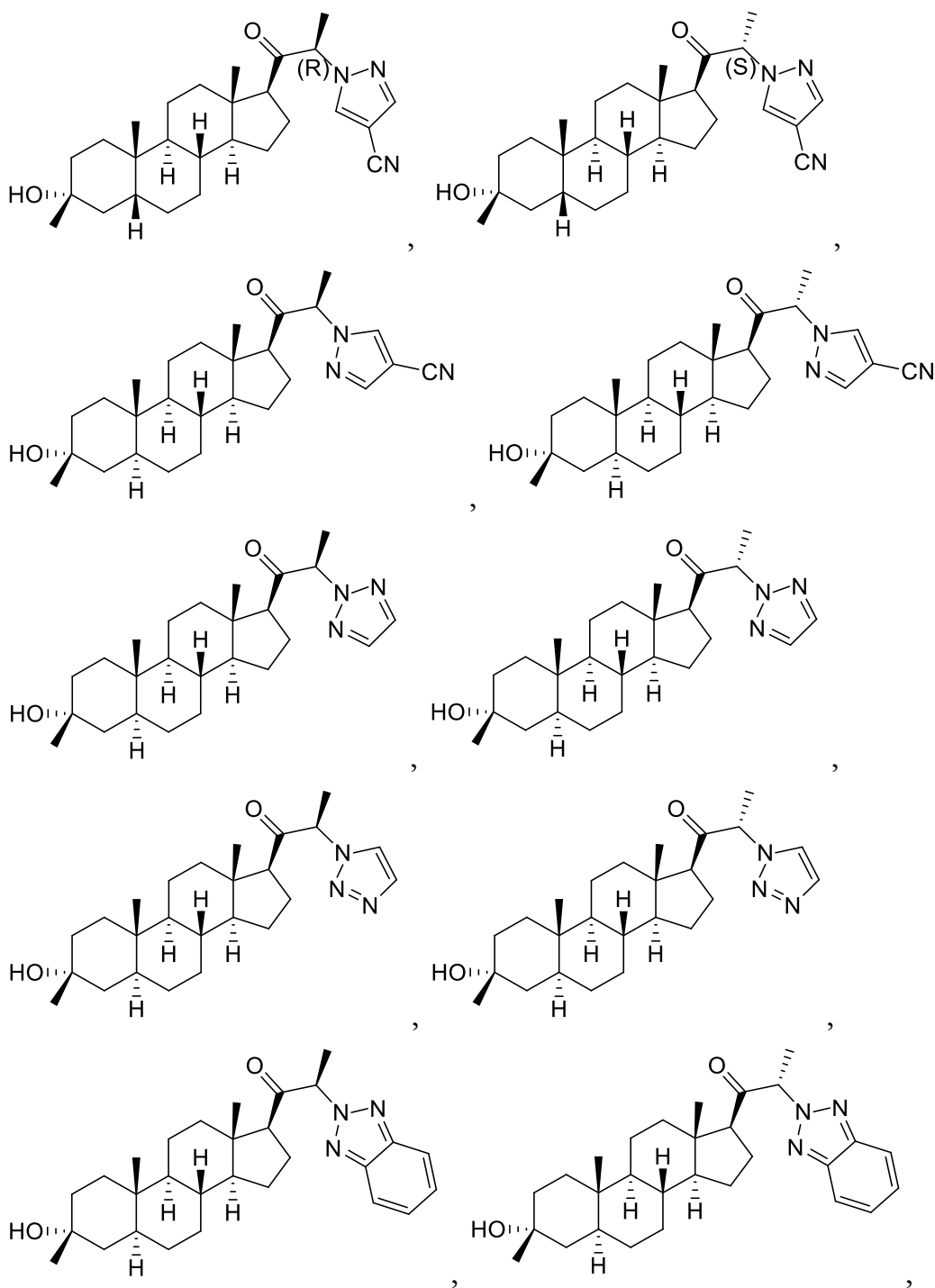


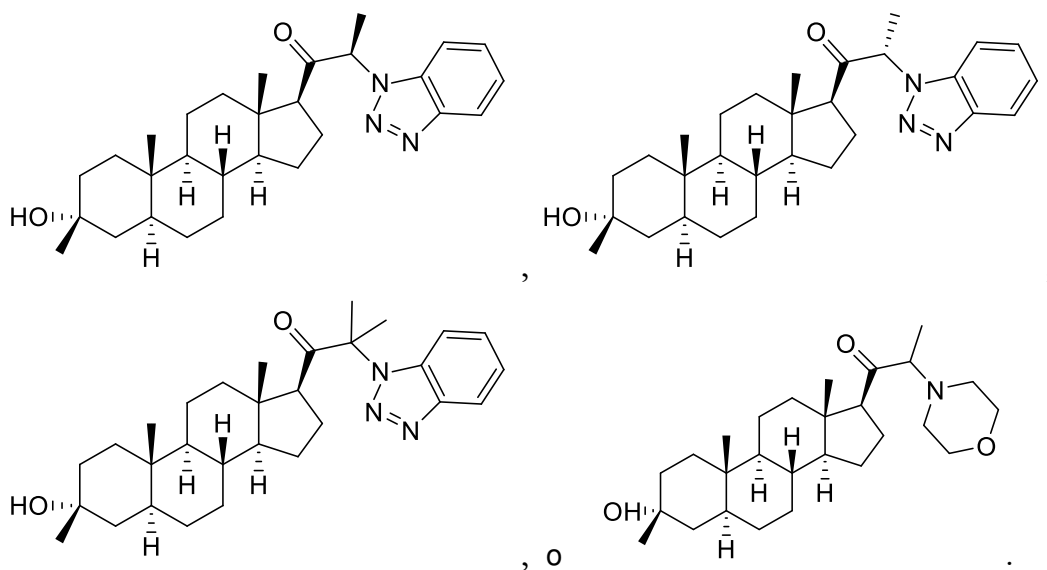




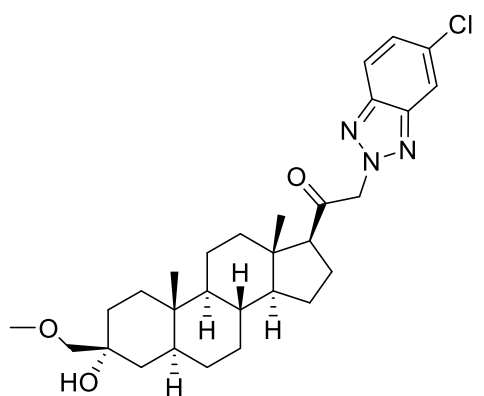
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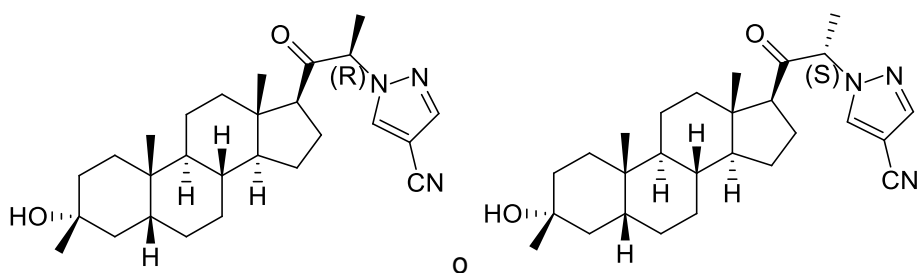




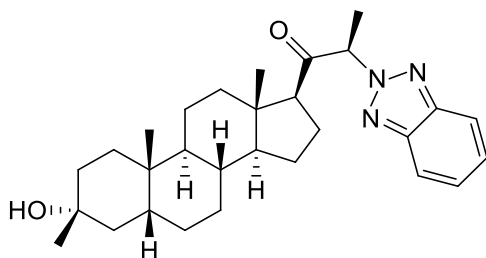
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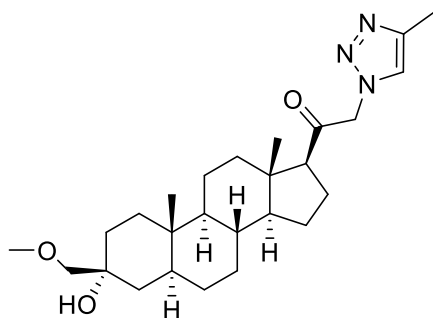
36. Un compuesto, en donde el compuesto es:



37. Un compuesto, en donde el compuesto es:



38. Un compuesto, en donde el compuesto es:



39. Una composición farmacéutica que comprende un compuesto de una cualquiera de las reivindicaciones precedentes y un excipiente farmacéuticamente aceptable.



SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO

NIT: 800.176.089-2

COMPROBANTE DE RECAUDO SISTEMA SIPI

Radicado: NC2017/0004649

Recibo: 18-93691

Fecha: 10/12/2018

CAROLINA MERCEDES DAZA MONTALVO

CC: 66.783.790

Pago PSE No: 241100

CUS: 393803879

Patente PCT

ESTEROIDES NEUROACTIVOS PARA TRASTORNOS DEL SNC

Detalle del pago

Id.	Rentístico	Concepto y Servicio	Cant.	Val. Unit.	Subtotal
1	50005-01-01	Solicitud examen de patentabilidad Patente de Invención (DESCUENTO INTERNET)	1	\$ 1,053,500	\$ 1,053,500
TOTAL					\$ 1,053,500