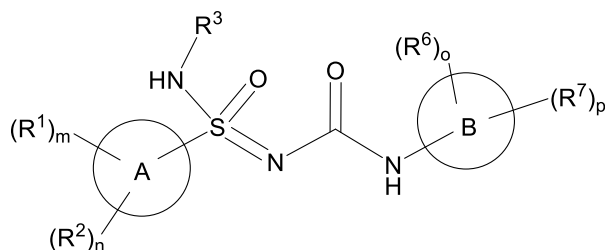


REIVINDICACIONES

1. Un compuesto de la Fórmula AA



Fórmula AA

en donde

$m = 0, 1, \text{ o } 2$;

$n = 0, 1, \text{ o } 2$;

$o = 1 \text{ o } 2$;

$p = 0, 1, 2, \text{ o } 3$; en donde la suma de o y p es de 1 a 4;

en donde

A es un heteroarilo de 5 a 10 miembros o un C_6-C_{10} arilo;

B es un anillo heteroaromático de 6 miembros que contiene 1–3 átomos de N, o uno de sus N–óxidos;

en donde por lo menos un R^6 está en orto con respecto al enlace que conecta el anillo B al grupo $NHC(O)$ de la Fórmula AA;

R^1 y R^2 son cada uno de manera independiente seleccionados de C_1-C_6 alquilo, C_1-C_6 haloalquilo, C_1-C_6 alcoxi, C_1-C_6 haloalcoxi, halo, CN, NO_2 , $CO_2C_1-C_6$ alquilo, $CO_2C_3-C_8$ cicloalquilo, $OCOC_1-C_6$ alquilo, $OCOC_6-C_{10}$ arilo, OCO (heteroarilo de 5 a 10 miembros), OCO (heterocicloalquilo de 3 a 7 miembros), C_6-C_{10} arilo, heteroarilo de 5 a 10 miembros, NR^8R^9 , $C(O)R^{13}$, $CONR^8R^9$, SF_5 , SC_1-C_6 alquilo, $S(O_2)C_1-C_6$ alquilo, $S(O_2)NR^{11}R^{12}$, $S(O)C_1-C_6$ alquilo, C_3-C_7 cicloalquilo y heterocicloalquilo de 3 a 7 miembros,

en donde el C_1-C_6 alquilo, C_1-C_6 alcoxi, C_1-C_6 haloalquilo, C_6-C_{10} arilo, heteroarilo de 5 a 10 miembros, C_3-C_7 cicloalquilo, y heterocicloalquilo de 3 a 7 miembros están opcionalmente sustituidos con uno o más sustituyentes cada uno seleccionado de manera independiente de hidroxilo, halo, CN, oxo, C_1-C_6 alquilo, C_1-C_6 alcoxi, R^{15} , NR^8R^9 , $=NR^{10}$, $COOC_1-C_6$ alquilo, $CONR^8R^9$, heterocicloalquilo de 3 a 7 miembros, C_6-C_{10} arilo, heteroarilo de 5 a 10 miembros, $OCOC_1-C_6$ alquilo, $OCOC_6-C_{10}$ arilo, OCO (heteroarilo de 5 a 10 miembros), y OCO (heterocicloalquilo de 3 a 7 miembros);

en donde cada sustituyente C_1-C_6 alquilo y cada sustituyente C_1-C_6 alcoxi del R^1 o R^2 C_3-C_7 cicloalquilo o del R^1 o R^2 heterocicloalquilo de 3 a 7 miembros está adicionalmente opcionalmente

sustituido de manera independiente con uno a tres hidroxilo, $-O(C_0-C_3 \text{ alquilenilo})C_6-C_{10}$ arilo, halo, NR^8R^9 , u oxo;

en donde el heterocicloalquilo de 3 a 7 miembros, C_6-C_{10} arilo, y heteroarilo de 5 a 10 miembros están cada uno opcionalmente sustituido con uno o más sustituyentes seleccionados de manera independiente de halo, C_1-C_6 alquilo, y OC_1-C_6 alquilo;

o un par de R^1 y R^2 en átomos adyacentes, tomados junto con los átomos que los conectan, forman de manera independiente por lo menos un C_4-C_{12} anillo carbocíclico monocíclico o bicíclico o por lo menos un anillo heterocíclico de 5 a 12 miembros monocíclico o bicíclico en donde:

a) cuando cada uno de los átomos adyacentes es un átomo de carbono, entonces el anillo heterocíclico incluye de 1–3 heteroátomos y/o grupos heteroatómicos seleccionados de manera independiente de O, NH, NR^{13} , S, $S(O)$, y $S(O)_2$; y

b) cuando uno o ambos de los átomos adyacentes son un átomo de nitrógeno, entonces el anillo heterocíclico incluye de 0–2 heteroátomos y/grupos heteroatómicos seleccionados de manera independiente de O, NH, NR^{13} , S, $S(O)$, y $S(O)_2$ (además de los átomos de nitrógeno anteriormente mencionados unidos a R^1 y/o R^2), y

en donde el anillo carbocíclico o anillo heterocíclico está opcionalmente sustituido de manera independiente con uno o más sustituyentes cada uno seleccionado de manera independiente de hidroxilo, halo, oxo, C_1-C_6 alquilo, C_2-C_6 alqueno, C_2-C_6 alquino, C_1-C_6 alcoxi, OC_3-C_{10} cicloalquilo, NR^8R^9 , $=NR^{10}$, CN, $COOC_1-C_6$ alquilo, $OS(O_2)C_6-C_{10}$ arilo, $S(O_2)C_6-C_{10}$ arilo, C_6-C_{10} arilo, heteroarilo de 5 a 10 miembros, C_3-C_{10} cicloalquilo, heterocicloalquilo de 3 a 10 miembros, y $CONR^8R^9$,

en donde el C_1-C_6 alquilo, C_1-C_6 alcoxi, $S(O_2)C_6-C_{10}$ arilo, C_6-C_{10} arilo, heteroarilo de 5 a 10 miembros, C_3-C_{10} cicloalquilo, y heterocicloalquilo de 3 a 10 miembros están opcionalmente sustituidos con uno o más sustituyentes cada uno seleccionado de manera independiente de hidroxilo, halo, C_1-C_6 alquilo, C_2-C_6 alqueno, C_2-C_6 alquino, C_3-C_{10} cicloalquilo, C_1-C_6 alcoxi, oxo, NR^8R^9 , $=NR^{10}$, $COOC_1-C_6$ alquilo, C_6-C_{10} arilo, y $CONR^8R^9$;

R^6 y R^7 son cada uno de manera independiente seleccionados de C_1-C_6 alquilo, C_1-C_6 haloalquilo, C_1-C_6 alcoxi, C_1-C_6 haloalcoxi, halo, CN, NO_2 , COC_1-C_6 alquilo, $CO_2C_1-C_6$ alquilo, $CO_2C_3-C_8$ cicloalquilo, $OCOC_1-C_6$ alquilo, $OCOC_6-C_{10}$ arilo, OCO (heteroarilo de 5 a 10 miembros), OCO (heterocicloalquilo de 3 a 7 miembros), C_6-C_{10} arilo, heteroarilo de 5 a 10 miembros, NH_2 , NHC_1-C_6 alquilo, $N(C_1-C_6 \text{ alquilo})_2$, $CONR^8R^9$, SF_5 , SC_1-C_6 alquilo, $S(O_2)C_1-C_6$ alquilo, C_3-C_{10} cicloalquilo y heterocicloalquilo de 3 a 10 miembros, y C_2-C_6 alqueno,

en donde R^6 y R^7 están cada uno opcionalmente sustituido con uno o más sustituyentes seleccionados de manera independiente de hidroxilo, halo, CN, oxo, C_1-C_6 alquilo, C_1-C_6 alcoxi, NR^8R^9 , $=NR^{10}$, $COOC_1-C_6$ alquilo, $CONR^8R^9$, heterocicloalquilo de 3 a 7 miembros, C_6-C_{10} arilo, heteroarilo de 5 a 10 miembros, $OCOC_1-C_6$ alquilo, $OCOC_6-C_{10}$ arilo, OCO (heteroarilo de 5 a 10

miembros), OCO(heterocicloalquilo de 3 a 7 miembros), C₆–C₁₀ ariloxi, y S(O₂)C₁–C₆ alquilo; y en donde el C₁–C₆ alquilo o C₁–C₆ alcoxi con el que R⁶ o R⁷ está sustituido está opcionalmente sustituido con uno o más hidroxilo, C₆–C₁₀ arilo o NR⁸R⁹, o en donde R⁶ o R⁷ está opcionalmente fusionado a un anillo carbocíclico de cinco a siete miembros o anillo heterocíclico que contiene uno o dos heteroátomos seleccionados de manera independiente de oxígeno, azufre y nitrógeno; en donde el heterocicloalquilo de 3 a 7 miembros, C₆–C₁₀ arilo, heteroarilo de 5 a 10 miembros, NHCOC₆–C₁₀ arilo, NHCO(heteroarilo de 5 a 10 miembros) y NHCO(heterocicloalquilo de 3 a 7 miembros) están opcionalmente sustituidos con uno o más sustituyentes seleccionados de manera independiente de halo, C₁–C₆ alquilo, y OC₁–C₆ alquilo; o por lo menos un par de R⁶ y R⁷ en átomos adyacentes, tomados junto con los átomos que los conectan, forman de manera independiente por lo menos un C₄–C₈ anillo carbocíclico o por lo menos un anillo heterocíclico de 5 a 8 miembros que contiene 1 o 2 heteroátomos seleccionados de manera independiente de O, NH, NR¹³, y S, en donde el anillo carbocíclico o anillo heterocíclico está opcionalmente sustituido de manera independiente con uno o más sustituyentes seleccionados de manera independiente de hidroxilo, hidroximetilo, halo, oxo, C₁–C₆ alquilo, C₁–C₆ haloalquilo, C₁–C₆ alcoxi, NR⁸R⁹, CH₂NR⁸R⁹, =NR¹⁰, COOH, COOC₁–C₆ alquilo, C₆–C₁₀ arilo, y CONR⁸R⁹;

R¹⁰ es C₁–C₆ alquilo;

cada uno de R⁸ y R⁹ en cada aparición es seleccionado de manera independiente de hidrógeno, C₁–C₆ alquilo, C₂–C₆ alqueno, C₃–C₇ cicloalquilo, C₁–C₆ haloalquilo, (C=NR¹³)NR¹¹R¹², S(O₂)C₁–C₆ alquilo, S(O₂)NR¹¹R¹², COR¹³, CO₂R¹³ y CONR¹¹R¹²; en donde el C₁–C₆ alquilo está opcionalmente sustituido con uno o más hidroxilo, halo, C₁–C₆ alcoxi, C₆–C₁₀ arilo, heteroarilo de 5 a 10 miembros, C₃–C₇ cicloalquilo, heterocicloalquilo de 3 a 7 miembros, o NR¹¹R¹²;

o R⁸ y R⁹ se toman junto con el nitrógeno al cual están unidos para formar un anillo monocíclico o bicíclico de 3 a 10 miembros que opcionalmente contiene uno o más heteroátomos además del nitrógeno al que están unidos, en donde el anillo está opcionalmente sustituido con uno o más sustituyentes seleccionados de manera independiente de halo, C₁–C₆ alquilo, C₁–C₆ haloalquilo, C₁–C₆ alcoxi, oxo, N(C₁–C₆ alquilo)₂, NH₂, NH(C₁–C₆ alquilo), e hidroxilo;

R¹³ es C₁–C₆ alquilo, C₁–C₆ haloalquilo, o $-(Z^1-Z^2)_{a1}-Z^3$;

cada uno de R¹¹ y R¹² en cada aparición es seleccionado de manera independiente de hidrógeno, C₁–C₆ alquilo, y $-(Z^1-Z^2)_{a1}-Z^3$;

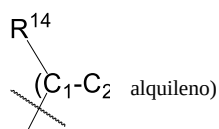
a₁ es un número entero seleccionado de 0–10 (por ejemplo, 0–5);

cada Z¹ es de manera independiente C₁–C₆ alquilo opcionalmente sustituido con uno o más sustituyentes seleccionados de manera independiente de oxo, halo, e hidroxilo;

cada Z² es de manera independiente un enlace, NH, N(C₁–C₆ alquilo), –O–, –S–, o heteroarileno de 5–10 miembros;

Z^3 es de manera independiente C_6-C_{10} arilo, C_2-C_6 alqueno, C_2-C_6 alquino, C_3-C_{10} cicloalquilo, heteroarilo de 5 a 10 miembros, o heterocicloalquilo de 3 a 10 miembros, cada uno de los cuales está opcionalmente sustituido con uno o más sustituyentes seleccionados de manera independiente de halo, C_1-C_6 alquilo, C_{1-6} haloalquilo, C_1-C_6 alcoxi, oxo, $N(C_1-C_6 \text{ alquilo})_2$, NH_2 , $NH(C_1-C_6 \text{ alquilo})$, e hidroxilo;

R^3 se selecciona de hidrógeno, ciano, hidroxilo, $CO_2C_1-C_6$ alquilo, C_1-C_6 alcoxi, C_1-C_6 alquilo, y



, en donde el grupo C_1-C_2 alqueno está opcionalmente sustituido con oxo;

R^{14} es hidrógeno, C_1-C_6 alquilo, heteroarilo monocíclico o bicíclico de 5 a 10 miembros o C_6-C_{10} arilo monocíclico o bicíclico, en donde cada C_1-C_6 alquilo, arilo o heteroarilo está opcionalmente sustituido de manera independiente con 1 o 2 R^6 ;

R^{15} es $-(Z^4-Z^5)_{a2}-Z^6$;

$a2$ es un número entero seleccionado de 1–10 (por ejemplo, 1–5 (por ejemplo, 2–5));

cada Z^4 es seleccionado de manera independiente de $-O-$, $-S-$, $-NH-$, y $-N(C_1-C_3 \text{ alquilo})-$;

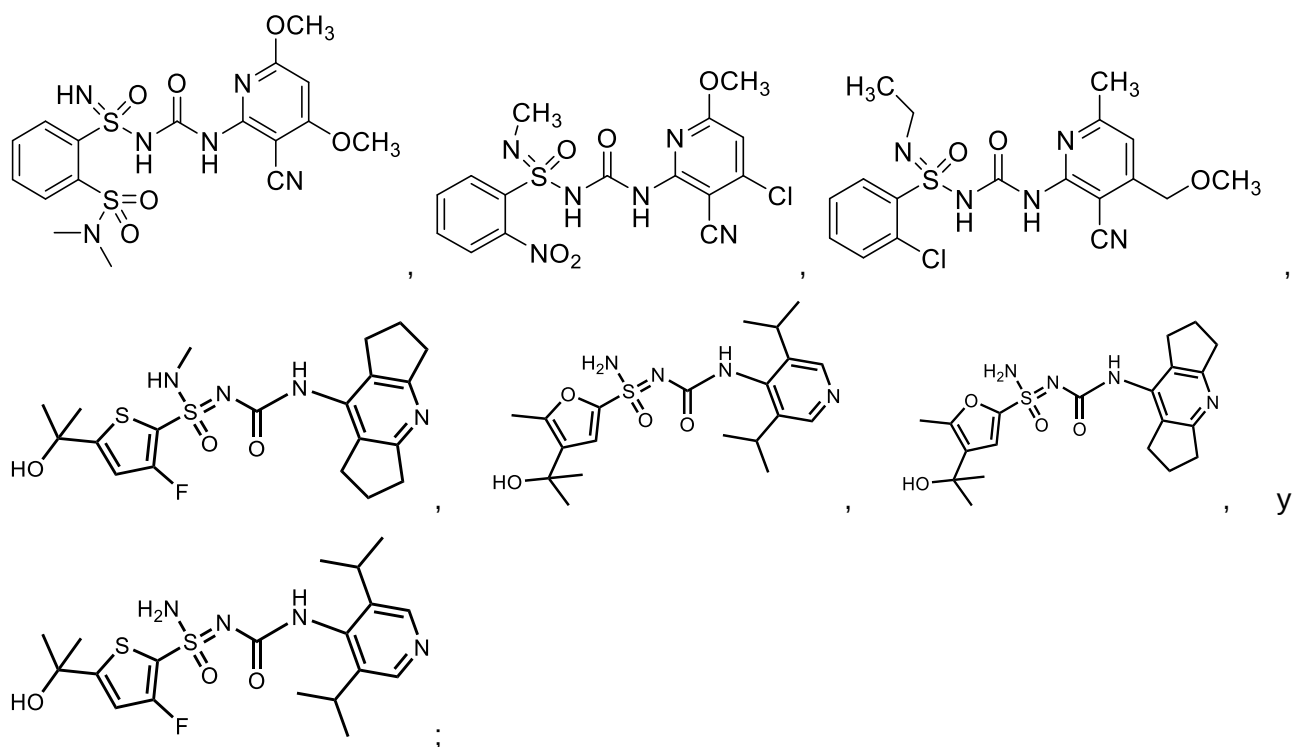
siempre que el grupo Z^4 directamente unido a R^1 o R^2 sea $-O-$ o $-S-$;

cada Z^5 es de manera independiente C_1-C_6 alqueno opcionalmente sustituido con uno o más sustituyentes seleccionados de manera independiente de oxo, halo, e hidroxilo; y

Z^6 es OH , OC_1-C_6 alquilo, NH_2 , $NH(C_1-C_6 \text{ alquilo})$, $N(C_1-C_6 \text{ alquilo})_2$, $NHC(O)(C_1-C_6 \text{ alquilo})$, $NHC(O)(C_1-C_6 \text{ alcoxi})$, o un grupo opcionalmente sustituido seleccionado del grupo que consiste en:

C_6-C_{10} arilo, C_2-C_6 alqueno, C_2-C_6 alquino, C_3-C_{10} cicloalquilo, heteroarilo de 5 a 10 miembros, o heterocicloalquilo de 3 a 10 miembros, cada uno de los cuales está opcionalmente sustituido con uno o más sustituyentes seleccionados de manera independiente de halo, C_1-C_6 alquilo, C_{1-6} haloalquilo, C_1-C_6 alcoxi, oxo, $N(C_1-C_6 \text{ alquilo})_2$, NH_2 , $NH(C_1-C_6 \text{ alquilo})$, e hidroxilo;

con la condición de que el compuesto de la Fórmula AA no sea un compuesto seleccionado del grupo que consiste en:



o una de sus sales farmacéuticamente aceptables.

2. El compuesto de la reivindicación 1, en donde A es un heteroarilo de 5 miembros, un heteroarilo de 6 a 10 miembros o un C₆–C₁₀ arilo.

3. El compuesto de cualquiera de las reivindicaciones 1–2, en donde A es un heteroarilo de 5 miembros que comprende 1 heteroátomo o grupo heteroatómico seleccionado de N, NH, y NR¹, o A es un heteroarilo de 5 miembros que comprende 1 heteroátomo seleccionado de O y S, en donde el heteroátomo no está enlazado a la posición del heteroarilo que se enlaza al resto S(O)(NHR³)=N, o A es tiofenilo, tiazolilo, pirazolilo o fenilo.

4. El compuesto de cualquiera de las reivindicaciones 1–3, en donde R¹, cuando está presente, es seleccionado de manera independiente del grupo que consiste en C₁–C₆ alquilo opcionalmente sustituido con uno o más hidroxilo, C₁–C₆ alquilo opcionalmente sustituido con uno o más halo, oxo, C₁–C₆ alcoxi, o NR⁸R⁹; C₃–C₇ cicloalquilo opcionalmente sustituido con uno o más hidroxilo, halo, oxo, C₁–C₆ alcoxi, C₁–C₆ alquilo, o NR⁸R⁹ en donde el C₁–C₆ alcoxi o C₁–C₆ alquilo está adicionalmente opcionalmente sustituido con uno a tres hidroxilo, halo, NR⁸R⁹, u oxo; heterocicloalquilo de 3 a 7 miembros opcionalmente sustituido con uno o más hidroxilo, halo, oxo, C₁–C₆ alquilo, o NR⁸R⁹ en donde el C₁–C₆ alcoxi o C₁–C₆ alquilo está adicionalmente opcionalmente sustituido con uno a tres hidroxilo, halo, NR⁸R⁹, u oxo; C₁–C₆ haloalquilo; C₁–C₆ alcoxi; C₁–C₆ haloalcoxi; halo; CN; CO–C₁–C₆ alquilo; CO–C₆–C₁₀ arilo; CO(heteroarilo de 5 a 10 miembros); CO₂C₁–C₆ alquilo; CO₂C₃–C₈ cicloalquilo; OCOC₁–C₆ alquilo; OCOC₆–C₁₀ arilo; OCO(heteroarilo de 5 a 10 miembros);

OCO(heterocicloalquilo de 3 a 7 miembros); C₆–C₁₀ arilo; heteroarilo de 5 a 10 miembros; NH₂; NHC₁–C₆ alquilo; N(C₁–C₆ alquilo)₂; CONR⁸R⁹; SF₅; S(O₂)NR¹¹R¹²; S(O)C₁–C₆ alquilo; y S(O₂)C₁–C₆ alquilo.

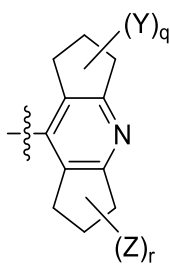
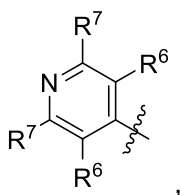
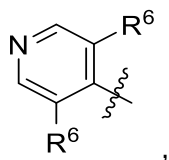
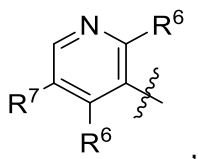
5. El compuesto de cualquiera de las reivindicaciones 1–4, en donde R², cuando está presente, es seleccionado de manera independiente del grupo que consiste en C₁–C₆ alquilo opcionalmente sustituido con uno o más hidroxilo, C₁–C₆ alquilo opcionalmente sustituido con uno o más halo, oxo, C₁–C₆ alcoxi, o NR⁸R⁹; C₃–C₇ cicloalquilo opcionalmente sustituido con uno o más hidroxilo, halo, oxo, C₁–C₆ alcoxi, C₁–C₆ alquilo, o NR⁸R⁹ en donde el C₁–C₆ alcoxi o C₁–C₆ alquilo está adicionalmente opcionalmente sustituido con uno a tres hidroxilo, halo, NR⁸R⁹, u oxo; heterocicloalquilo de 3 a 7 miembros opcionalmente sustituido con uno o más hidroxilo, halo, oxo, C₁–C₆ alquilo, o NR⁸R⁹ en donde el C₁–C₆ alcoxi o C₁–C₆ alquilo está adicionalmente opcionalmente sustituido con uno a tres hidroxilo, halo, NR⁸R⁹, u oxo; C₁–C₆ haloalquilo; C₁–C₆ alcoxi; C₁–C₆ haloalcoxi; halo; CN; CO–C₁–C₆ alquilo; CO–C₆–C₁₀ arilo; CO(heteroarilo de 5 a 10 miembros); CO₂C₁–C₆ alquilo; CO₂C₃–C₈ cicloalquilo; OCOC₁–C₆ alquilo; OCOC₆–C₁₀ arilo; OCO(heteroarilo de 5 a 10 miembros); OCO(heterocicloalquilo de 3 a 7 miembros); C₆–C₁₀ arilo; heteroarilo de 5 a 10 miembros; NH₂; NHC₁–C₆ alquilo; N(C₁–C₆ alquilo)₂; CONR⁸R⁹; SF₅; S(O₂)NR¹¹R¹²; S(O)C₁–C₆ alquilo; y S(O₂)C₁–C₆ alquilo.

6. El compuesto de cualquiera de las reivindicaciones 1–10, 20, 22–25, y 27, en donde R¹ y R² están en átomos adyacentes, y tomados junto con los átomos que los conectan, forman de manera independiente un anillo monocíclico o bicíclico C₄–C₁₂ carbocíclico (por ejemplo, C₅ o C₆ anillo carbocíclico) o un anillo monocíclico o bicíclico heterocíclico de 5 a 12 miembros en donde a) cuando cada uno de los átomos adyacentes es un átomo de carbono, entonces el anillo heterocíclico incluye de 1–3 heteroátomos y/o grupos heteroatómicos seleccionados de manera independiente de O, NH, NR¹³, S, S(O), y S(O)₂; y b) cuando uno o ambos de los átomos adyacentes son un átomo de nitrógeno, entonces el anillo heterocíclico incluye de 0–2 heteroátomos y/grupos heteroatómicos seleccionados de manera independiente de O, NH, NR¹³, S, S(O), y S(O)₂ (además de los átomos de nitrógeno anteriormente mencionados unidos a R¹ y/o R²), y en donde el anillo carbocíclico o anillo heterocíclico está opcionalmente sustituido de manera independiente con uno o más sustituyentes cada uno seleccionado de manera independiente de hidroxilo, halo, oxo, C₁–C₆ alquilo (por ejemplo, metilo), C₂–C₆ alqueno, C₂–C₆ alquino, C₁–C₆ alcoxi (por ejemplo, isopropoxil), OC₃–C₁₀ cicloalquilo, NR⁸R⁹, =NR¹⁰, CN, COOC₁–C₆ alquilo, S(O₂)C₆–C₁₀ arilo, C₆–C₁₀ arilo, heteroarilo de 5 a 10 miembros, C₃–C₁₀ cicloalquilo, heterocicloalquilo de 3 a 10 miembros (por ejemplo, azetidino o oxetano), y CONR⁸R⁹, en donde el C₁–C₆ alquilo, C₁–C₆ alcoxi, S(O₂)C₆–C₁₀ arilo, C₆–C₁₀ arilo, heteroarilo de 5 a 10 miembros, C₃–C₁₀ cicloalquilo, y heterocicloalquilo de 3 a 10 miembros están opcionalmente sustituidos con uno o más sustituyentes cada uno seleccionado de

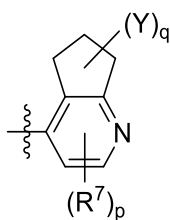
manera independiente de hidroxilo, halo (por ejemplo, fluoro), C₁–C₆ alquilo, C₂–C₆ alqueno, C₂–C₆ alquino, C₃–C₁₀ cicloalquilo, C₁–C₆ alcoxi, oxo, NR⁸R⁹ (por ejemplo, amino, metilamino, o dimetilamino), =NR¹⁰, COOC₁–C₆ alquilo, C₆–C₁₀ arilo, y CONR⁸R⁹.

7. El compuesto de cualquiera de las reivindicaciones 1–6, en donde B es piridilo, o uno de sus N-óxidos.

8. El compuesto de cualquiera de las reivindicaciones 1–7, en donde el anillo B sustituido es

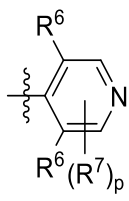


; en donde q es 0, 1, o 2; r es 0, 1, o 2; en donde cada uno de Y y Z es seleccionado de manera independiente de C₁–C₆ alquilo (por ejemplo, metilo) e hidroxilo; o en donde cuando dos Y están unidos al mismo carbono, los dos Y se toman junto con el carbono al cual están unidos para formar un anillo ciclopropilo; o en donde cuando dos Z están unidos al mismo carbono, los dos Z se toman junto con el carbono al que están unidos para formar un anillo ciclopropilo,

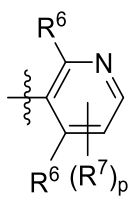


; R⁷ se selecciona de C₁–C₆ alquilo (por ejemplo, metilo, etilo, o isopropilo), C₆–C₁₀ arilo (por ejemplo, fenilo), y C₃–C₁₀ cicloalquilo (por ejemplo, ciclopropilo); p es 0, 1, o 2; q es 0, 1, o 2; en donde cada Y es seleccionado de manera independiente de C₁–C₆ alquilo (por ejemplo,

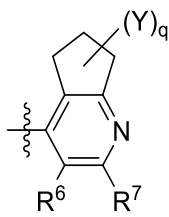
metilo) e hidroxi; o cuando dos Y están unidos al mismo carbono, los dos Y se toman junto con el carbono al cual están unidos para formar un anillo ciclopropilo,



; cada R^6 es seleccionado de manera independiente de C_1-C_6 alquilo (por ejemplo, isopropilo); cada R^7 es seleccionado de manera independiente de halo (por ejemplo, fluoro); p es 0 o 1,

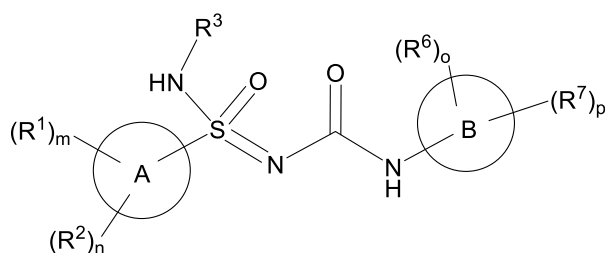


; cada R^6 es seleccionado de manera independiente de C_1-C_6 alquilo (por ejemplo, isopropilo); cada R^7 es seleccionado de manera independiente de halo (por ejemplo, fluoro); p es 0 o 1,



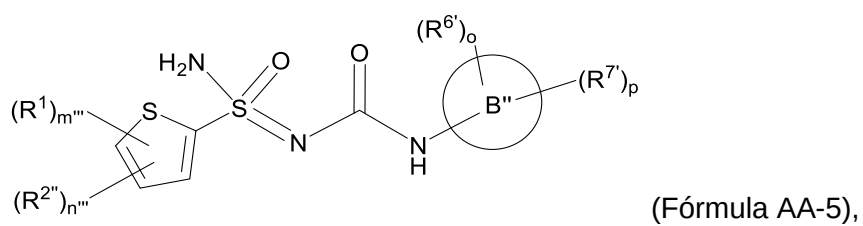
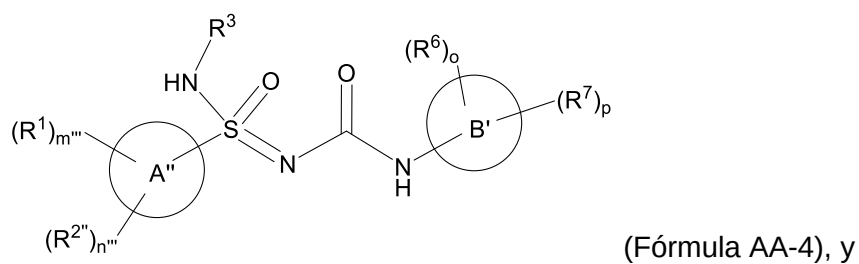
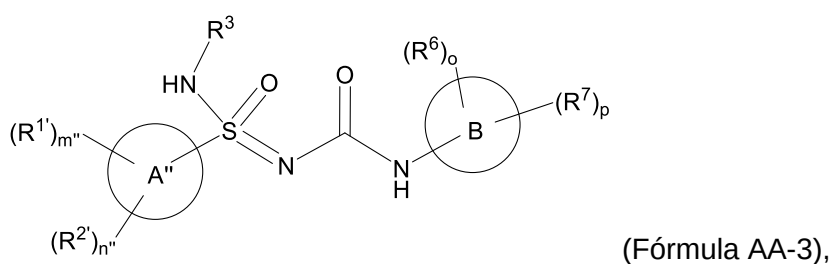
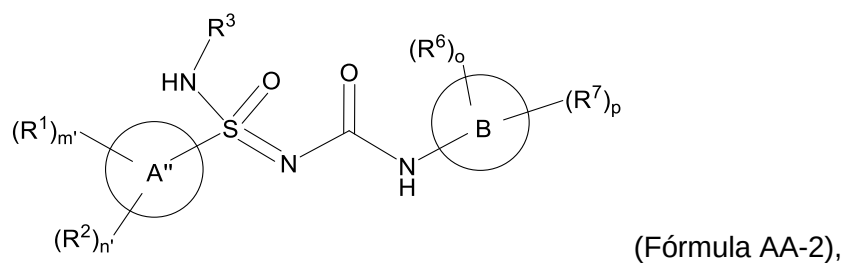
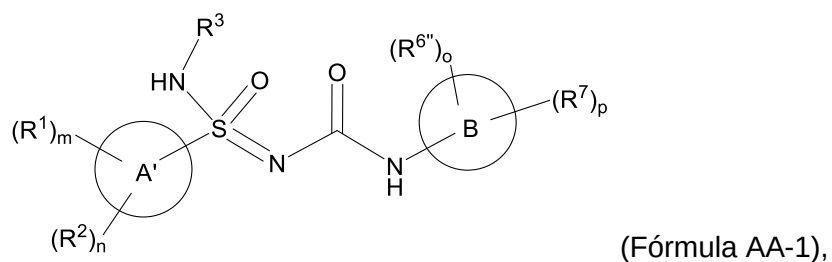
; R^6 se selecciona de C_1-C_6 alquilo (por ejemplo, metilo, etilo, o isopropilo) y C_3-C_{10} cicloalquilo (por ejemplo, ciclopropilo); R^7 se selecciona de C_1-C_6 alquilo (por ejemplo, metilo, etilo, o isopropilo), C_1-C_6 haloalquilo (por ejemplo, trifluorometilo) y C_3-C_{10} cicloalquilo (por ejemplo, ciclopropilo o ciclobutilo); o R^6 y R^7 , tomados junto con los átomos que los conectan, forman de manera independiente un anillo C_5 carbocíclico opcionalmente sustituido con uno o más C_1-C_6 alquilo (por ejemplo, metilo); q es 0, 1, o 2; cada Y es seleccionado de manera independiente de C_1-C_6 alquilo (por ejemplo, metilo); o cuando dos Y están unidos al mismo carbono, los dos Y se toman junto con el carbono al cual están unidos para formar un anillo ciclopropilo.

9. Un compuesto de la Fórmula AA



Fórmula AA

en donde el compuesto de la Fórmula AA se selecciona de



en donde

$m = 0, 1, \text{ o } 2$;

$n = 0, 1, \text{ o } 2$;

$m' = 0, 1, \text{ o } 2$;

$n' = 0, 1, \text{ o } 2$; en donde la suma de m' y n' es 0, 1, o 3;

$m'' = 0, 1, \text{ o } 2$;

$n'' = 0, 1, \text{ o } 2$; en donde la suma de m'' y n'' es 2;

$m''' = 1$;

$n''' = 1$;

$o = 1 \text{ o } 2$;

$p = 0, 1, 2, \text{ o } 3$; en donde la suma de o y p es de 1 a 4;

en donde

A' se selecciona de:

un heteroarilo de 6 a 10 miembros,

un C_6-C_{10} arilo,

un heteroarilo de 5 miembros que comprende 2 o más heteroátomos,

un heteroarilo de 5 miembros que comprende 1 heteroátomo o grupo heteroatómico seleccionado de N, NH, y NR^1 , y

un heteroarilo de 5 miembros que comprende 1 heteroátomo seleccionado de O y S, en donde el heteroátomo no está enlazado a la posición del heteroarilo que se enlaza al resto $S(O)(NHR^3)=N$;

A'' es un heteroarilo de 5 miembros que comprende 1 heteroátomo seleccionado de O y S, en donde el heteroátomo está enlazado a la posición del heteroarilo que se enlaza al resto $S(O)(NHR^3)=N$;

B es un anillo heteroaromático de 6 miembros que contiene 1–3 átomos de N, o uno de sus N-óxidos;

B' es 2–piridilo, 3–piridilo, o uno de sus N-óxidos;

B'' es 4–piridilo o uno de sus N-óxidos;

en donde

por lo menos un R^6 está en orto con respecto al enlace que conecta el anillo B al grupo $NHC(O)$ de la Fórmula AA–2, Fórmula AA–3, y Fórmula AA–4;

por lo menos un $R^{6'}$ está en orto con respecto al enlace que conecta el anillo B al grupo $NHC(O)$ de la Fórmula AA–5;

por lo menos un $R^{6''}$ está en orto con respecto al enlace que conecta el anillo B al grupo $NHC(O)$ de la Fórmula AA–1;

R^1 y R^2 son cada uno de manera independiente seleccionados de C_1-C_6 alquilo, C_1-C_6 haloalquilo, C_1-C_6 alcoxi, C_1-C_6 haloalcoxi, halo, CN, NO_2 , $CO_2C_1-C_6$ alquilo, $CO_2C_3-C_8$ cicloalquilo, $OCOC_1-C_6$ alquilo, $OCOC_6-C_{10}$ arilo, OCO (heteroarilo de 5 a 10 miembros), OCO (heterocicloalquilo de 3 a 7 miembros), C_6-C_{10} arilo, heteroarilo de 5 a 10 miembros, NR^8R^9 , $C(O)R^{13}$, $CONR^8R^9$, SF_5 , SC_1-C_6 alquilo, $S(O_2)C_1-C_6$ alquilo, $S(O_2)NR^{11}R^{12}$, $S(O)C_1-C_6$ alquilo, C_3-C_7 cicloalquilo y heterocicloalquilo de 3 a 7 miembros,

en donde el C_1-C_6 alquilo, C_1-C_6 alcoxi, C_1-C_6 haloalquilo, C_6-C_{10} arilo, heteroarilo de 5 a 10 miembros, C_3-C_7 cicloalquilo, y heterocicloalquilo de 3 a 7 miembros están opcionalmente sustituidos con uno o más sustituyentes cada uno seleccionado de manera independiente de hidroxilo, halo, CN, oxo, C_1-C_6 alquilo, C_1-C_6 alcoxi, R^{15} , NR^8R^9 , $=NR^{10}$, $COOC_1-C_6$ alquilo, $CONR^8R^9$, heterocicloalquilo de 3 a 7 miembros, C_6-C_{10} arilo, heteroarilo de 5 a 10 miembros, $OCOC_1-C_6$ alquilo, $OCOC_6-C_{10}$ arilo, OCO (heteroarilo de 5 a 10 miembros), y OCO (heterocicloalquilo de 3 a 7 miembros);

en donde cada sustituyente C_1-C_6 alquilo y cada sustituyente C_1-C_6 alcoxi del R^1 o R^2 C_3-C_7 cicloalquilo o del R^1 o R^2 heterocicloalquilo de 3 a 7 miembros está adicionalmente opcionalmente sustituido de manera independiente con uno a tres hidroxilo, $-O(C_0-C_3$ alquilenilo) C_6-C_{10} arilo, halo, NR^8R^9 , u oxo;

en donde el heterocicloalquilo de 3 a 7 miembros, C_6-C_{10} arilo, y heteroarilo de 5 a 10 miembros, están cada uno opcionalmente sustituido con uno o más sustituyentes seleccionados de manera independiente de halo, C_1-C_6 alquilo, y OC_1-C_6 alquilo;

o un par de R^1 y R^2 en átomos adyacentes, tomados junto con los átomos que los conectan, forman de manera independiente un anillo monocíclico o bicíclico C_4-C_{12} carbocíclico o un anillo monocíclico o bicíclico heterocíclico de 5 a 12 miembros en donde:

a) cuando cada uno de los átomos adyacentes es un átomo de carbono, entonces el anillo heterocíclico incluye de 1–3 heteroátomos y/o grupos heteroatómicos seleccionados de manera independiente de O, NH, NR^{13} , S, $S(O)$, y $S(O)_2$; y

b) cuando uno o ambos de los átomos adyacentes son un átomo de nitrógeno, entonces el anillo heterocíclico incluye de 0–2 heteroátomos y/grupos heteroatómicos seleccionados de manera independiente de O, NH, NR^{13} , S, $S(O)$, y $S(O)_2$ (además de los átomos de nitrógeno anteriormente mencionados unidos a R^1 y/o R^2), y

en donde el anillo carbocíclico o anillo heterocíclico está opcionalmente sustituido de manera independiente con uno o más sustituyentes, cada uno seleccionado de manera independiente de hidroxilo, halo, oxo, C_1-C_6 alquilo, C_2-C_6 alquilenilo, C_2-C_6 alquinilo, C_1-C_6 alcoxi, OC_3-C_{10} cicloalquilo, NR^8R^9 , $=NR^{10}$, CN, $COOC_1-C_6$ alquilo, $OS(O_2)C_6-C_{10}$ arilo, $S(O_2)C_6-C_{10}$ arilo, C_6-C_{10} arilo, heteroarilo de 5 a 10 miembros, C_3-C_{10} cicloalquilo, heterocicloalquilo de 3 a 10 miembros, y $CONR^8R^9$,

en donde el C_1-C_6 alquilo, C_1-C_6 alcoxi, $S(O_2)C_6-C_{10}$ arilo, C_6-C_{10} arilo, heteroarilo de 5 a 10 miembros, C_3-C_{10} cicloalquilo, y heterocicloalquilo de 3 a 10 miembros están opcionalmente sustituidos con uno o más sustituyentes cada uno seleccionado de manera independiente de hidroxilo, halo, C_1-C_6 alquilo, C_2-C_6 alquilenilo, C_2-C_6 alquinilo, C_3-C_{10} cicloalquilo, C_1-C_6 alcoxi, oxo, NR^8R^9 , $=NR^{10}$, $COOC_1-C_6$ alquilo, C_6-C_{10} arilo, y $CONR^8R^9$;

R^1 y R^2 son cada uno de manera independiente seleccionados de C_2-C_6 alquilo, C_1-C_6 haloalquilo, C_1-C_6 alcoxi, C_1-C_6 haloalcoxi, Cl, Br, I, CN, NO_2 , $CO_2C_1-C_6$ alquilo, $CO_2C_3-C_8$ cicloalquilo, $OCOC_1-C_6$ alquilo, $OCOC_6-C_{10}$ arilo, OCO (heteroarilo de 5 a 10 miembros), OCO (heterocicloalquilo de 3 a 7 miembros), C_6-C_{10} arilo, heteroarilo de 5 a 10 miembros, NR^8R^9 , $C(O)R^{13}$, $CONR^8R^9$, SF_5 , SC_1-C_6 alquilo, $S(O_2)C_1-C_6$ alquilo, $S(O_2)NR^{11}R^{12}$, $S(O)C_1-C_6$ alquilo, C_3-C_7 cicloalquilo y heterocicloalquilo de 3 a 7 miembros,

en donde el C_2-C_6 alquilo, C_1-C_6 alcoxi, C_1-C_6 haloalquilo, C_6-C_{10} arilo, heteroarilo de 5 a 10 miembros, C_3-C_7 cicloalquilo, y heterocicloalquilo de 3 a 7 miembros está opcionalmente sustituido

con uno o más sustituyentes cada uno seleccionado de manera independiente de hidroxilo, halo, CN, oxo, C₁–C₆ alquilo, C₁–C₆ alcoxi, R¹⁵, NR⁸R⁹, =NR¹⁰, COOC₁–C₆ alquilo, CONR⁸R⁹, heterocicloalquilo de 3 a 7 miembros, C₆–C₁₀ arilo, heteroarilo de 5 a 10 miembros, OCOC₁–C₆ alquilo, OCOC₆–C₁₀ arilo, OCO(heteroarilo de 5 a 10 miembros), y OCO(heterocicloalquilo de 3 a 7 miembros);

en donde cada sustituyente C₁–C₆ alquilo y cada sustituyente C₁–C₆ alcoxi del R^{1'} o R^{2'} C₃–C₇ cicloalquilo o del R^{1'} o R^{2'} heterocicloalquilo de 3 a 7 miembros está adicionalmente opcionalmente sustituido de manera independiente con uno a tres hidroxilo, –O(C₀–C₃ alquilenilo)C₆–C₁₀ arilo, halo, NR⁸R⁹, u oxo;

en donde el heterocicloalquilo de 3 a 7 miembros, C₆–C₁₀ arilo, y heteroarilo de 5 a 10 miembros están opcionalmente sustituidos con uno o más sustituyentes seleccionados de manera independiente de halo, C₁–C₆ alquilo, y OC₁–C₆ alquilo;

o un par de R^{1'} y R^{2'} en átomos adyacentes, tomados junto con los átomos que los conectan, forman de manera independiente un anillo monocíclico o bicíclico C₄–C₁₂ carbocíclico o un anillo monocíclico o bicíclico heterocíclico de 5 a 12 miembros que incluye de 1–3 heteroátomos y/o grupos heteroatómicos seleccionados de manera independiente de O, NH, NR¹³, S, S(O), y S(O)₂, y

en donde el anillo carbocíclico o anillo heterocíclico está opcionalmente sustituido de manera independiente con uno o más sustituyentes seleccionados de manera independiente de hidroxilo, halo, oxo, C₁–C₆ alquilo, C₂–C₆ alquenilo, C₂–C₆ alquinilo, C₁–C₆ alcoxi, OC₃–C₁₀ cicloalquilo, NR⁸R⁹, =NR¹⁰, CN, COOC₁–C₆ alquilo, OS(O₂)C₆–C₁₀ arilo, S(O₂)C₆–C₁₀ arilo, C₆–C₁₀ arilo, heteroarilo de 5 a 10 miembros, C₃–C₁₀ cicloalquilo, heterocicloalquilo de 3 a 10 miembros, y CONR⁸R⁹,

en donde el C₁–C₆ alquilo, C₁–C₆ alcoxi, S(O₂)C₆–C₁₀ arilo, C₆–C₁₀ arilo, heteroarilo de 5 a 10 miembros, C₃–C₁₀ cicloalquilo, y heterocicloalquilo de 3 a 10 miembros están opcionalmente sustituidos con uno o más sustituyentes cada uno seleccionado de manera independiente de hidroxilo, halo, C₁–C₆ alquilo, C₂–C₆ alquenilo, C₂–C₆ alquinilo, C₃–C₁₀ cicloalquilo, C₁–C₆ alcoxi, oxo, NR⁸R⁹, =NR¹⁰, COOC₁–C₆ alquilo, C₆–C₁₀ arilo, y CONR⁸R⁹;

R^{2''} es F o CH₃; o

cuando el compuesto de la Fórmula AA es un compuesto de la Fórmula AA–4, un par de R¹ y R^{2''} en átomos adyacentes, tomados junto con los átomos que los conectan, forman de manera independiente un anillo monocíclico o bicíclico C₄–C₁₂ carbocíclico o un anillo monocíclico o bicíclico heterocíclico de 5 a 12 miembros que incluye de 1–3 heteroátomos y/o grupos heteroatómicos seleccionados de manera independiente de O, NH, NR¹³, S, S(O), y S(O)₂, y

en donde el anillo carbocíclico o anillo heterocíclico está opcionalmente sustituido de manera independiente con uno o más sustituyentes seleccionados de manera independiente de hidroxilo, halo, oxo, C₁–C₆ alquilo, C₂–C₆ alquenilo, C₂–C₆ alquinilo, C₁–C₆ alcoxi, OC₃–C₁₀ cicloalquilo, NR⁸R⁹,

=NR¹⁰, CN, COOC₁–C₆ alquilo, OS(O₂)C₆–C₁₀ arilo, S(O₂)C₆–C₁₀ arilo, C₆–C₁₀ arilo, heteroarilo de 5 a 10 miembros, C₃–C₁₀ cicloalquilo, heterocicloalquilo de 3 a 10 miembros, y CONR⁸R⁹, en donde el C₁–C₆ alquilo, C₁–C₆ alcoxi, S(O₂)C₆–C₁₀ arilo, C₆–C₁₀ arilo, heteroarilo de 5 a 10 miembros, C₃–C₁₀ cicloalquilo, y heterocicloalquilo de 3 a 10 miembros están opcionalmente sustituidos con uno o más sustituyentes cada uno seleccionado de manera independiente de hidroxilo, halo, C₁–C₆ alquilo, C₂–C₆ alqueno, C₂–C₆ alquino, C₃–C₁₀ cicloalquilo, C₁–C₆ alcoxi, oxo, NR⁸R⁹, =NR¹⁰, COOC₁–C₆ alquilo, C₆–C₁₀ arilo, y CONR⁸R⁹;

R⁶ y R⁷ son cada uno de manera independiente seleccionados de C₁–C₆ alquilo, C₁–C₆ haloalquilo, C₁–C₆ alcoxi, C₁–C₆ haloalcoxi, halo, CN, NO₂, COC₁–C₆ alquilo, CO₂C₁–C₆ alquilo, CO₂C₃–C₈ cicloalquilo, OCOC₁–C₆ alquilo, OCOC₆–C₁₀ arilo, OCO(heteroarilo de 5 a 10 miembros), OCO(heterocicloalquilo de 3 a 7 miembros), C₆–C₁₀ arilo, heteroarilo de 5 a 10 miembros, NH₂, NHC₁–C₆ alquilo, N(C₁–C₆ alquilo)₂, CONR⁸R⁹, SF₅, SC₁–C₆ alquilo, S(O₂)C₁–C₆ alquilo, C₃–C₁₀ cicloalquilo y heterocicloalquilo de 3 a 10 miembros, y C₂–C₆ alqueno, en donde R⁶ y R⁷ están cada uno opcionalmente sustituido con uno o más sustituyentes seleccionados de manera independiente de hidroxilo, halo, CN, oxo, C₁–C₆ alquilo, C₁–C₆ alcoxi, NR⁸R⁹, =NR¹⁰, COOC₁–C₆ alquilo, CONR⁸R⁹, heterocicloalquilo de 3 a 7 miembros, C₆–C₁₀ arilo, heteroarilo de 5 a 10 miembros, OCOC₁–C₆ alquilo, OCOC₆–C₁₀ arilo, OCO(heteroarilo de 5 a 10 miembros), OCO(heterocicloalquilo de 3 a 7 miembros), C₆–C₁₀ arilo, y S(O₂)C₁–C₆ alquilo; y en donde el C₁–C₆ alquilo o C₁–C₆ alcoxi con el que R⁶ o R⁷ está sustituido está opcionalmente sustituido con uno o más hidroxilo, C₆–C₁₀ arilo o NR⁸R⁹, o en donde R⁶ o R⁷ está opcionalmente fusionado a un anillo carbocíclico de cinco a siete miembros o anillo heterocíclico que contiene uno o dos heteroátomos seleccionados de manera independiente de oxígeno, azufre y nitrógeno; en donde el heterocicloalquilo de 3 a 7 miembros, C₆–C₁₀ arilo, y heteroarilo de 5 a 10 miembros, están opcionalmente sustituidos con uno o más sustituyentes seleccionados de manera independiente de halo, C₁–C₆ alquilo, y OC₁–C₆ alquilo; o un par de R⁶ y R⁷ en átomos adyacentes, tomados junto con los átomos que los conectan, forman de manera independiente por lo menos un C₄–C₈ anillo carbocíclico o por lo menos un anillo heterocíclico de 5 a 8 miembros que contiene 1 o 2 heteroátomos y/o grupos heteroatómicos seleccionados de manera independiente de O, NH, NR¹³, S, S(O), y S(O)₂, en donde el anillo carbocíclico o anillo heterocíclico está opcionalmente sustituido de manera independiente con uno o más sustituyentes seleccionados de manera independiente de hidroxilo, hidroximetilo, halo, oxo, C₁–C₆ alquilo, C₁–C₆ haloalquilo, C₁–C₆ alcoxi, NR⁸R⁹, CH₂NR⁸R⁹, =NR¹⁰, COOH, COOC₁–C₆ alquilo, C₆–C₁₀ arilo, y CONR⁸R⁹;

R⁶ y R⁷ son cada uno de manera independiente seleccionados de grupo no ramificado C₁–C₆ alquilo, C₁–C₆ haloalquilo, C₁–C₆ alcoxi, C₁–C₆ haloalcoxi, halo, CN, NO₂, COC₁–C₆ alquilo, CO₂C₁–

C₆ alquilo, CO₂C₃–C₈ cicloalquilo, OCOC₁–C₆ alquilo, OCOC₆–C₁₀ arilo, OCO(heteroarilo de 5 a 10 miembros), OCO(heterocicloalquilo de 3 a 7 miembros), C₆–C₁₀ arilo, heteroarilo de 5 a 10 miembros, NH₂, NHC₁–C₆ alquilo, N(C₁–C₆ alquilo)₂, CONR⁸R⁹, SF₅, SC₁–C₆ alquilo, S(O₂)C₁–C₆ alquilo, C₃–C₁₀ cicloalquilo y heterocicloalquilo de 3 a 10 miembros, y C₂–C₆ alqueno,

en donde R^{6'} y R^{7'} están cada uno opcionalmente sustituido con uno o más sustituyentes seleccionados de manera independiente de hidroxilo, halo, CN, oxo, C₁–C₆ alcoxi, NR⁸R⁹, =NR¹⁰, COOC₁–C₆ alquilo, CONR⁸R⁹, heterocicloalquilo de 3 a 7 miembros, C₆–C₁₀ arilo, heteroarilo de 5 a 10 miembros, OCOC₁–C₆ alquilo, OCOC₆–C₁₀ arilo, OCO(heteroarilo de 5 a 10 miembros), OCO(heterocicloalquilo de 3 a 7 miembros), C₆–C₁₀ arilo, y S(O₂)C₁–C₆ alquilo; y en donde el C₁–C₆ alcoxi con el que R^{6'} o R^{7'} está sustituido está opcionalmente sustituido con uno o más hidroxilo, C₆–C₁₀ arilo o NR⁸R⁹, o en donde R^{6'} o R^{7'} está opcionalmente fusionado a un anillo carbocíclico de cinco a siete miembros o anillo heterocíclico que contiene uno o dos heteroátomos seleccionados de manera independiente de oxígeno, azufre y nitrógeno;

en donde el heterocicloalquilo de 3 a 7 miembros, C₆–C₁₀ arilo, y heteroarilo de 5 a 10 miembros, están opcionalmente sustituidos con uno o más sustituyentes seleccionados de manera independiente de halo, C₁–C₆ alquilo, y OC₁–C₆ alquilo;

o un par de R^{6'} y R^{7'} en átomos adyacentes, tomados junto con los átomos que los conectan, forman de manera independiente por lo menos un C₄–C₈ anillo carbocíclico o por lo menos un anillo heterocíclico de 5 a 8 miembros que contiene 1 o 2 heteroátomos y/o grupos heteroatómicos seleccionados de manera independiente de O, NH, NR¹³, S, S(O), y S(O)₂, en donde el anillo carbocíclico o anillo heterocíclico está opcionalmente sustituido de manera independiente con uno o más sustituyentes seleccionados de manera independiente de hidroxilo, hidroximetilo, halo, oxo, C₁–C₆ alquilo, C₁–C₆ haloalquilo, C₁–C₆ alcoxi, NR⁸R⁹, CH₂NR⁸R⁹, =NR¹⁰, COOH, COOC₁–C₆ alquilo, C₆–C₁₀ arilo, y CONR⁸R⁹;

R^{6''} se selecciona de C₁–C₆ alquilo, C₁–C₆ haloalquilo, C₁–C₆ alcoxi, C₁–C₆ haloalcoxi, halo, NO₂, COC₁–C₆ alquilo, CO₂C₁–C₆ alquilo, CO₂C₃–C₈ cicloalquilo, OCOC₁–C₆ alquilo, OCOC₆–C₁₀ arilo, OCO(heteroarilo de 5 a 10 miembros), OCO(heterocicloalquilo de 3 a 7 miembros), C₆–C₁₀ arilo, heteroarilo de 5 a 10 miembros, NH₂, NHC₁–C₆ alquilo, N(C₁–C₆ alquilo)₂, CONR⁸R⁹, SF₅, SC₁–C₆ alquilo, S(O₂)C₁–C₆ alquilo, C₃–C₁₀ cicloalquilo, heterocicloalquilo de 3 a 10 miembros, y C₂–C₆ alqueno,

en donde R^{6''} está opcionalmente sustituido con uno o más sustituyentes seleccionados de manera independiente de hidroxilo, halo, CN, oxo, C₁–C₆ alquilo, C₁–C₆ alcoxi, NR⁸R⁹, =NR¹⁰, COOC₁–C₆ alquilo, CONR⁸R⁹, heterocicloalquilo de 3 a 7 miembros, C₆–C₁₀ arilo, heteroarilo de 5 a 10 miembros, OCOC₁–C₆ alquilo, OCOC₆–C₁₀ arilo, OCO(heteroarilo de 5 a 10 miembros), OCO(heterocicloalquilo de 3 a 7 miembros), C₆–C₁₀ arilo, y S(O₂)C₁–C₆ alquilo; y

en donde el C₁–C₆ alquilo o C₁–C₆ alcoxi con el que R^{6''} está sustituido está opcionalmente sustituido con uno o más hidroxilo, C₆–C₁₀ arilo o NR⁸R⁹, o en donde R^{6''} está opcionalmente fusionado a un anillo carbocíclico de cinco a siete miembros o anillo heterocíclico que contiene uno o dos heteroátomos seleccionados de manera independiente de oxígeno, azufre y nitrógeno;

en donde el heterocicloalquilo de 3 a 7 miembros, C₆–C₁₀ arilo, y heteroarilo de 5 a 10 miembros, están opcionalmente sustituidos con uno o más sustituyentes seleccionados de manera independiente de halo, C₁–C₆ alquilo, y OC₁–C₆ alquilo;

o un par de R^{6''} y R⁷ en átomos adyacentes, tomados junto con los átomos que los conectan, forman de manera independiente por lo menos un C₄–C₈ anillo carbocíclico o por lo menos un anillo heterocíclico de 5 a 8 miembros que contiene 1 o 2 heteroátomos y/o grupos heteroatómicos seleccionados de manera independiente de O, NH, NR¹³, S, S(O), y S(O)₂, en donde el anillo carbocíclico o anillo heterocíclico está opcionalmente sustituido de manera independiente con uno o más sustituyentes seleccionados de manera independiente de hidroxilo, hidroximetilo, halo, oxo, C₁–C₆ alquilo, C₁–C₆ haloalquilo, C₁–C₆ alcoxi, NR⁸R⁹, CH₂NR⁸R⁹, =NR¹⁰, COOH, COOC₁–C₆ alquilo, C₆–C₁₀ arilo, y CONR⁸R⁹;

R¹⁰ es C₁–C₆ alquilo;

cada uno de R⁸ y R⁹ en cada aparición es seleccionado de manera independiente de hidrógeno, C₁–C₆ alquilo, C₂–C₆ alqueno, C₃–C₇ cicloalquilo, C₁–C₆ haloalquilo, (C=NR¹³)NR¹¹R¹², S(O₂)C₁–C₆ alquilo, S(O₂)NR¹¹R¹², COR¹³, CO₂R¹³ y CONR¹¹R¹²; en donde el C₁–C₆ alquilo está opcionalmente sustituido con uno o más hidroxilo, halo, C₁–C₆ alcoxi, C₆–C₁₀ arilo, heteroarilo de 5 a 10 miembros, C₃–C₇ cicloalquilo, heterocicloalquilo de 3 a 7 miembros, o NR¹¹R¹²;

o R⁸ y R⁹ se toman junto con el nitrógeno al cual están unidos para formar un anillo monocíclico o bicíclico de 3 a 10 miembros que opcionalmente contiene uno o más heteroátomos además del nitrógeno al que están unidos, en donde el anillo está opcionalmente sustituido con uno o más sustituyentes seleccionados de manera independiente de halo, C₁–C₆ alquilo, C₁–C₆ haloalquilo, C₁–C₆ alcoxi, oxo, N(C₁–C₆ alquilo)₂, NH₂, NH(C₁–C₆ alquilo), e hidroxilo;

R¹³ es C₁–C₆ alquilo, C₁–C₆ haloalquilo, o $-(Z^1-Z^2)_{a1}-Z^3$;

cada uno de R¹¹ y R¹² en cada aparición es seleccionado de manera independiente de hidrógeno, C₁–C₆ alquilo, y $-(Z^1-Z^2)_{a1}-Z^3$;

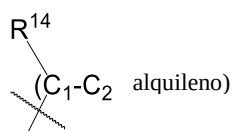
a1 es un número entero seleccionado de 0–10 (por ejemplo, 0–5);

cada Z¹ es de manera independiente C₁–C₆ alquilo opcionalmente sustituido con uno o más sustituyentes seleccionados de manera independiente de oxo, halo, e hidroxilo;

cada Z² es de manera independiente un enlace, NH, N(C₁–C₆ alquilo), –O–, –S–, o heteroarileno de 5–10 miembros;

Z^3 es de manera independiente C_6-C_{10} arilo, C_2-C_6 alqueno, C_2-C_6 alquino, C_3-C_{10} cicloalquilo, heteroarilo de 5 a 10 miembros, o heterocicloalquilo de 3 a 10 miembros, cada uno de los cuales está opcionalmente sustituido con uno o más sustituyentes seleccionados de manera independiente de halo, C_1-C_6 alquilo, C_{1-6} haloalquilo, C_1-C_6 alcoxi, oxo, $N(C_1-C_6 \text{ alquilo})_2$, NH_2 , $NH(C_1-C_6 \text{ alquilo})$, e hidroxilo;

R^3 se selecciona de hidrógeno, ciano, hidroxilo, $CO_2C_1-C_6$ alquilo, C_1-C_6 alcoxi, C_1-C_6 alquilo, y



, en donde el grupo C_1-C_2 alqueno está opcionalmente sustituido con oxo;

R^{14} es hidrógeno, C_1-C_6 alquilo, heteroarilo monocíclico o bicíclico de 5 a 10 miembros o C_6-C_{10} monocíclico o bicíclico arilo, en donde cada C_1-C_6 alquilo, arilo o heteroarilo está opcionalmente sustituido de manera independiente con 1 o 2 R^6 ;

R^{15} es $-(Z^4-Z^5)_{a2}-Z^6$;

$a2$ es un número entero seleccionado de 1-10 (por ejemplo, 1-5 (por ejemplo, 2-5));

cada Z^4 es seleccionado de manera independiente de $-O-$, $-S-$, $-NH-$, y $-N(C_1-C_3 \text{ alquilo})-$;

siempre que el grupo Z^4 directamente unido a R^1 o R^2 sea $-O-$ o $-S-$;

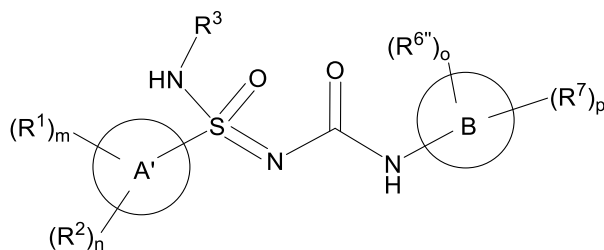
cada Z^5 es de manera independiente C_1-C_6 alqueno opcionalmente sustituido con uno o más sustituyentes seleccionados de manera independiente de oxo, halo, e hidroxilo; y

Z^6 es OH , OC_1-C_6 alquilo, NH_2 , $NH(C_1-C_6 \text{ alquilo})$, $N(C_1-C_6 \text{ alquilo})_2$, $NHC(O)(C_1-C_6 \text{ alquilo})$, $NHC(O)(C_1-C_6 \text{ alcoxi})$, o un grupo opcionalmente sustituido seleccionado del grupo que consiste en:

C_6-C_{10} arilo, C_2-C_6 alqueno, C_2-C_6 alquino, C_3-C_{10} cicloalquilo, heteroarilo de 5 a 10 miembros, o heterocicloalquilo de 3 a 10 miembros, cada uno de los cuales está opcionalmente sustituido con uno o más sustituyentes seleccionados de manera independiente de halo, C_1-C_6 alquilo, C_{1-6} haloalquilo, C_1-C_6 alcoxi, oxo, $N(C_1-C_6 \text{ alquilo})_2$, NH_2 , $NH(C_1-C_6 \text{ alquilo})$, e hidroxilo;

o una de sus sales farmacéuticamente aceptables.

10. El compuesto de la reivindicación 9, en donde el compuesto de la Fórmula AA es un

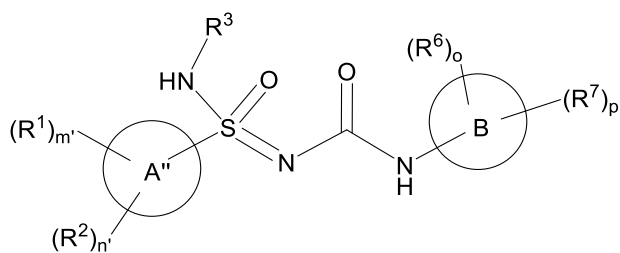


compuesto de la Fórmula AA-1 y A' es un

heteroarilo de 6 a 10 miembros, C_6-C_{10} arilo, un heteroarilo de 5 miembros que comprende 2 o más heteroátomos y/o grupos heteroatómicos, un heteroarilo de 5 miembros que comprende 1

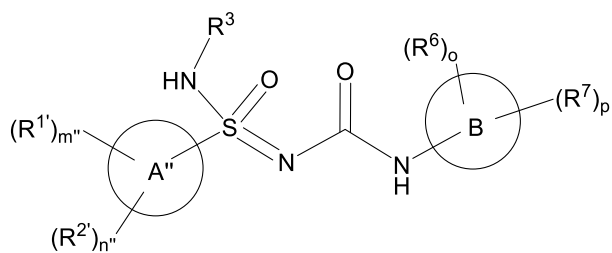
heteroátomo o grupo heteroatómico seleccionado de N, NH, y NR^1 , un heteroarilo de 5 miembros que comprende 1 heteroátomo seleccionado de O y S, en donde el heteroátomo no está enlazado a la posición del heteroarilo que se enlaza al resto $\text{S(O)(NHR}^3\text{)=N}$, tiofenilo, tiazolilo, pirazolilo o fenilo, y
donde B es piridilo, o uno de sus N-óxidos.

11. El compuesto de la reivindicación 9, en donde el compuesto de la Fórmula AA es un



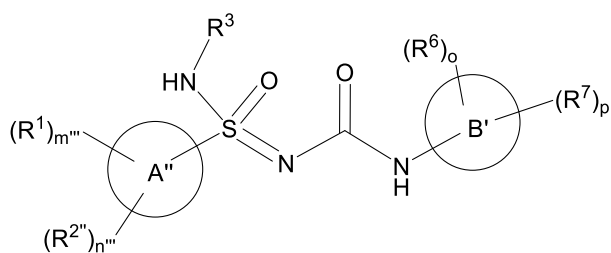
compuesto de la Fórmula AA-2 y A'' es tiofenilo, y
donde B es piridilo o uno de sus N-óxidos.

12. El compuesto de la reivindicación 9, en donde el compuesto de la Fórmula AA es un



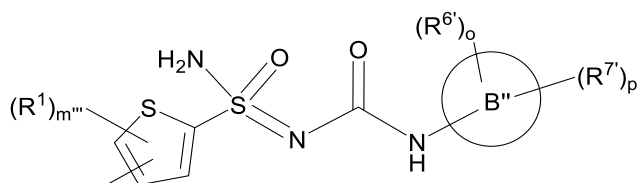
compuesto de la Fórmula AA-3, y en donde A'' es
tiofenilo, y
donde B es piridilo o uno de sus N-óxidos.

13. El compuesto de la reivindicación 9, en donde el compuesto de la Fórmula AA es un



compuesto de la Fórmula AA-4, y en donde A'' es
tiofenilo.

14. El compuesto de la reivindicación 9, en donde el compuesto de la Fórmula AA es un

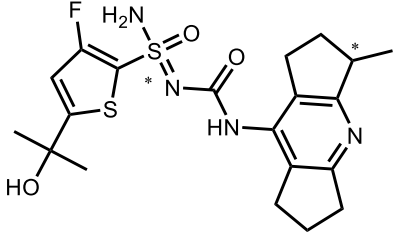
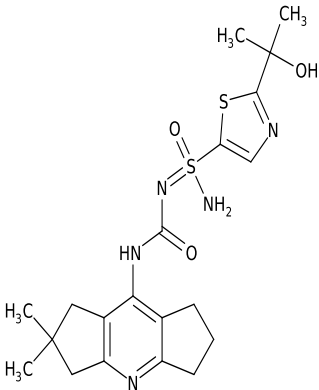
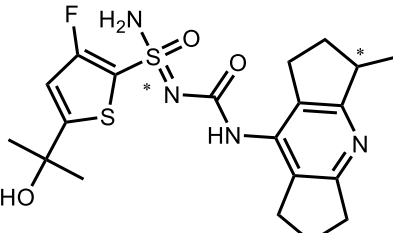
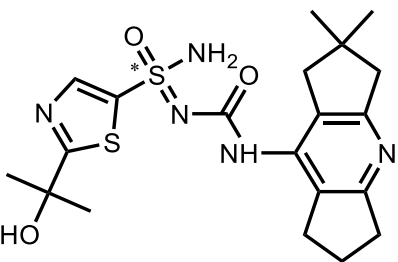
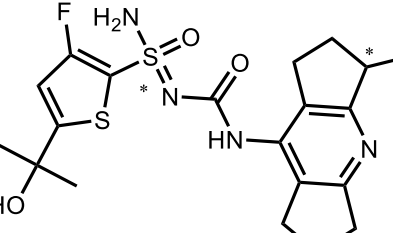
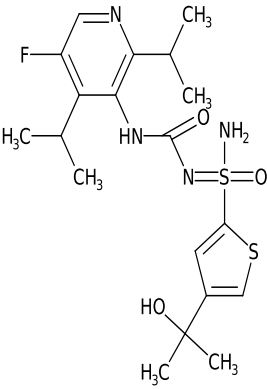
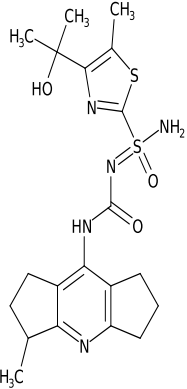
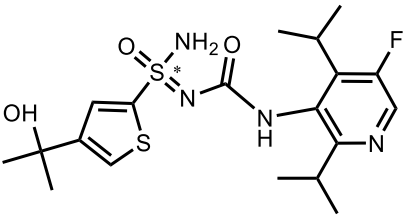
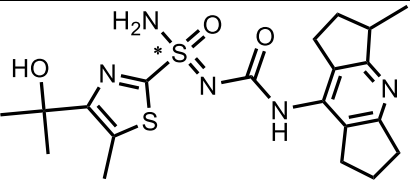
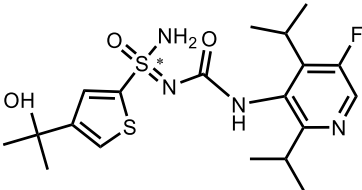


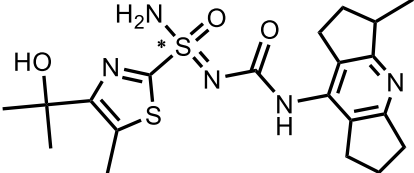
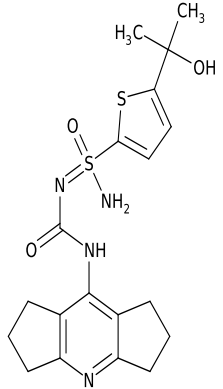
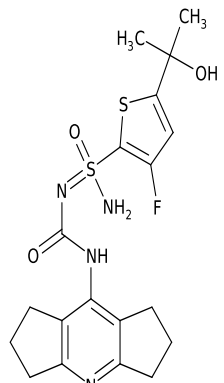
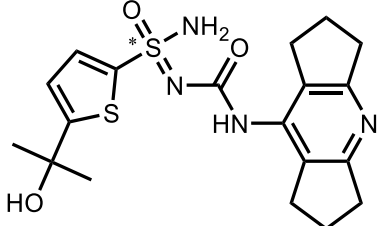
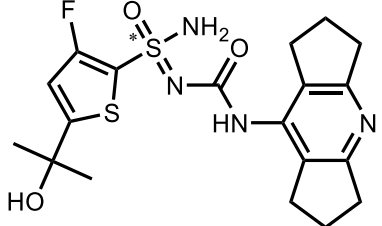
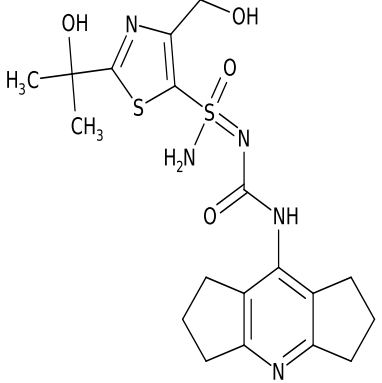
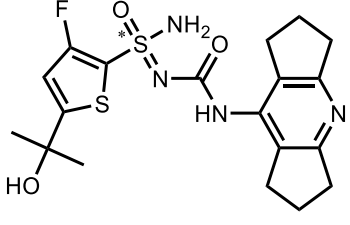
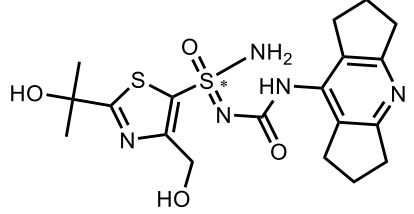
compuesto de la Fórmula AA-5

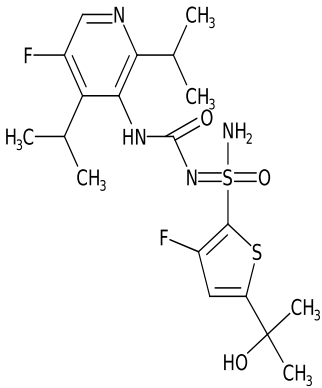
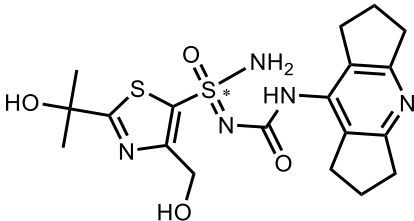
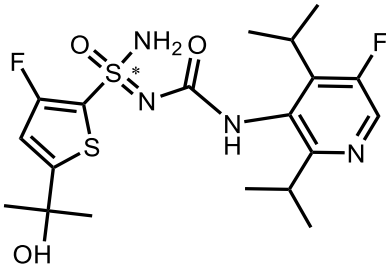
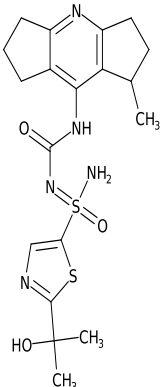
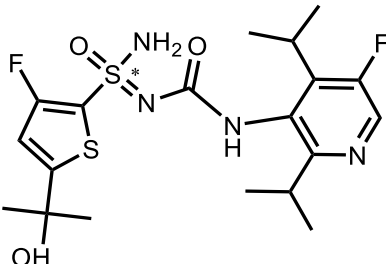
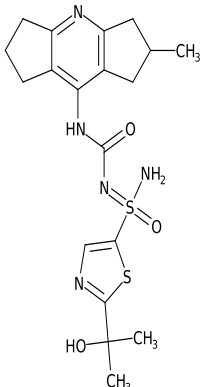
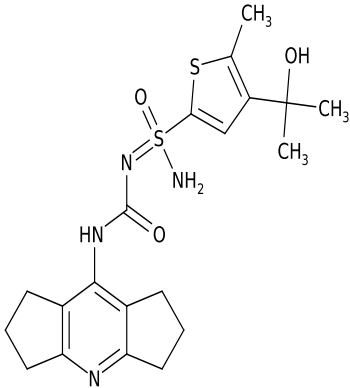
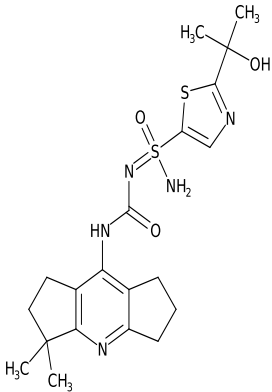
15. Un compuesto seleccionado del grupo que consiste en los compuestos a continuación:

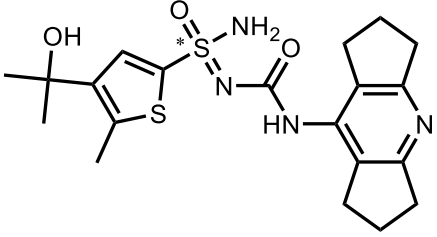
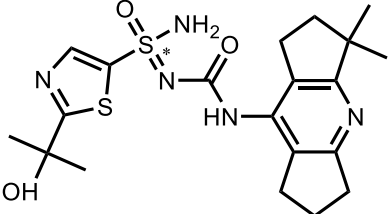
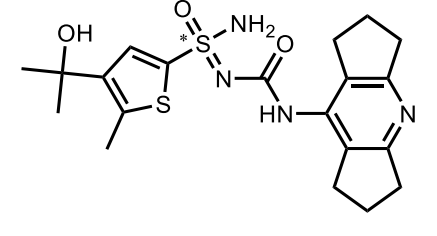
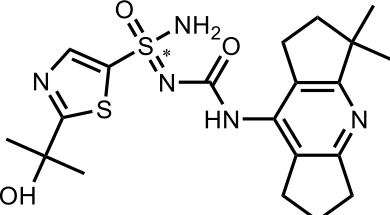
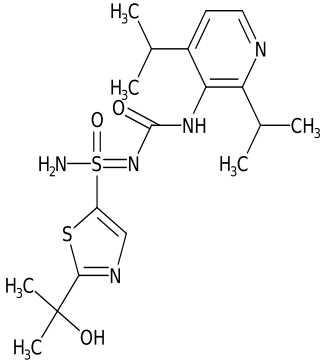
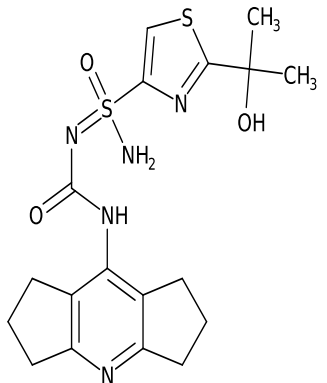
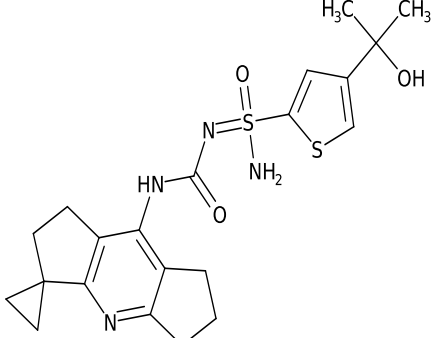
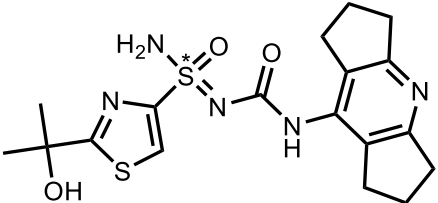
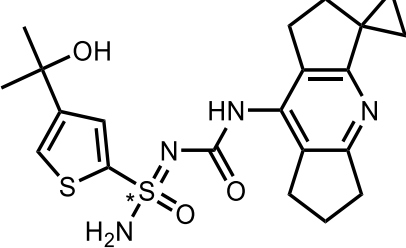
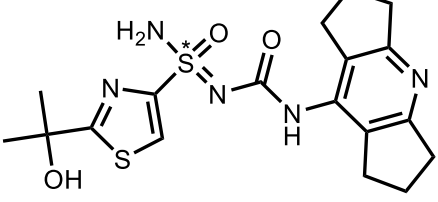
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101b		141b	

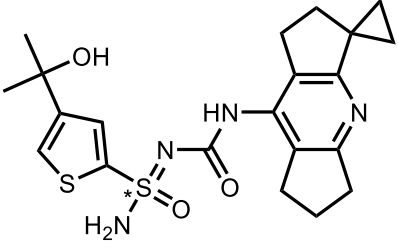
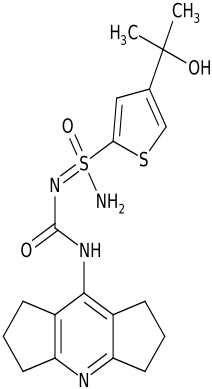
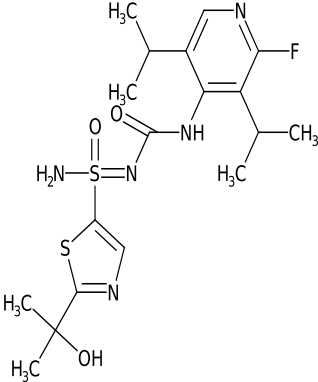
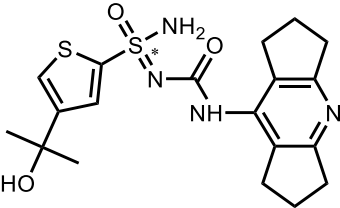
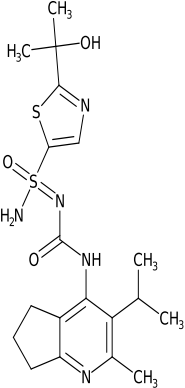
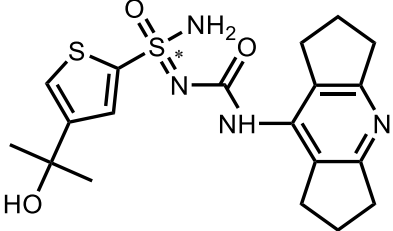
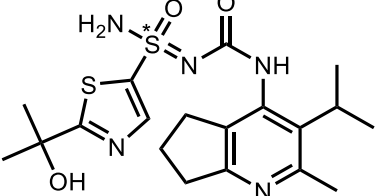
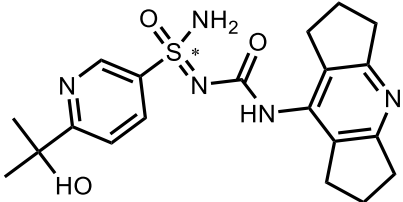
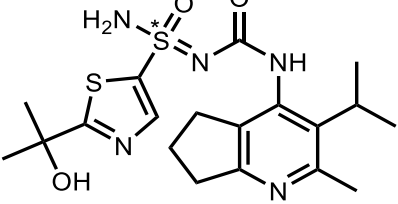
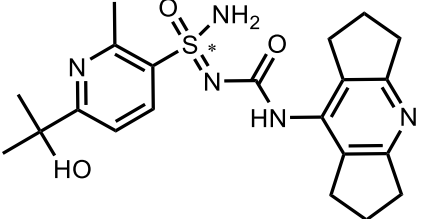
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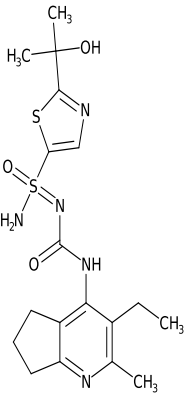
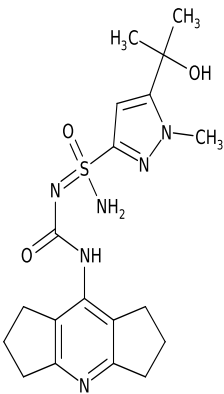
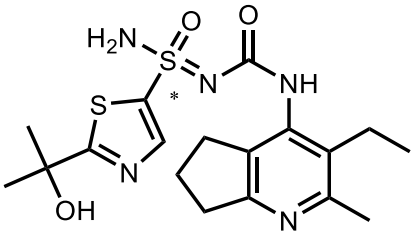
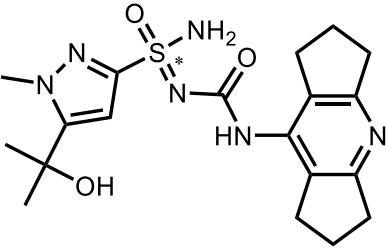
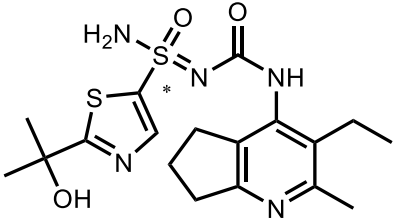
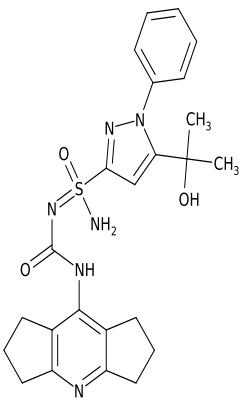
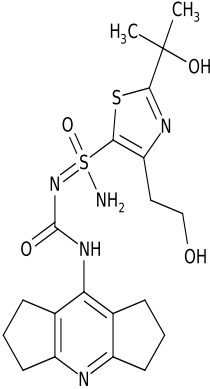
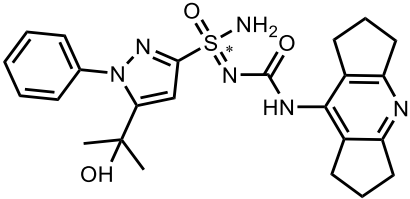
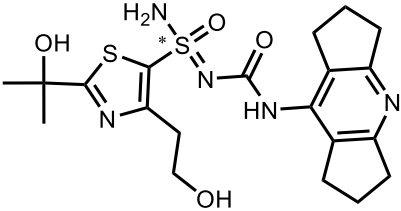
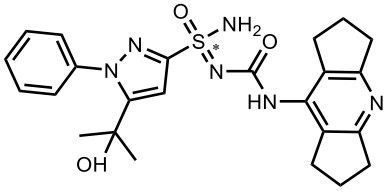
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104a		148b	

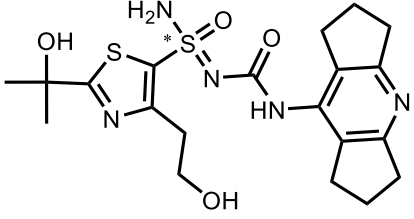
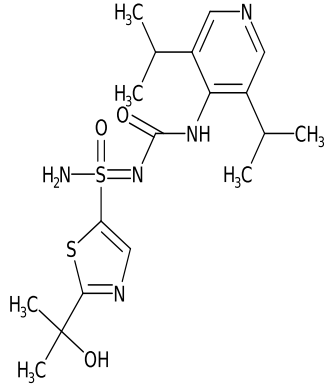
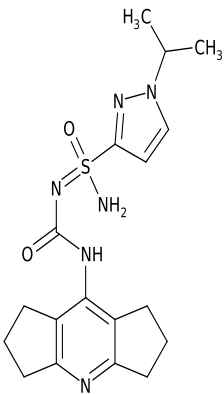
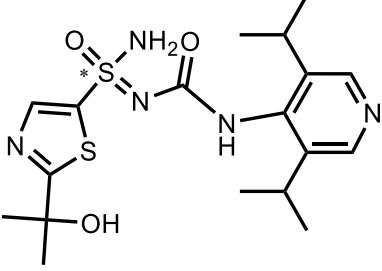
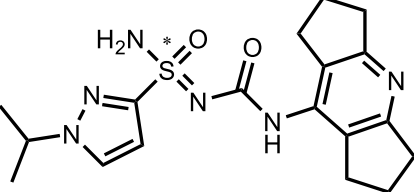
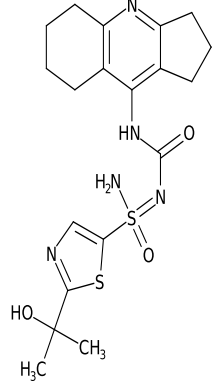
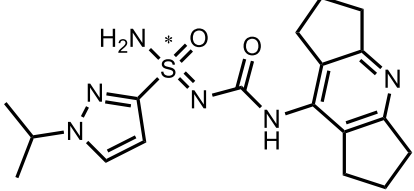
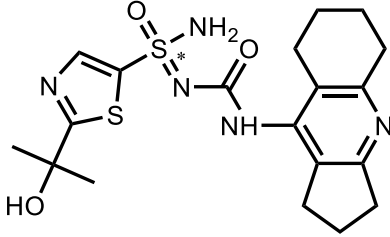
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105a		150	
105b		150a	

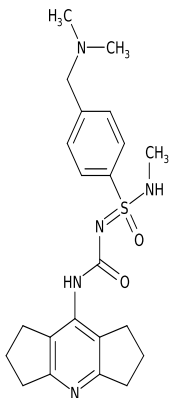
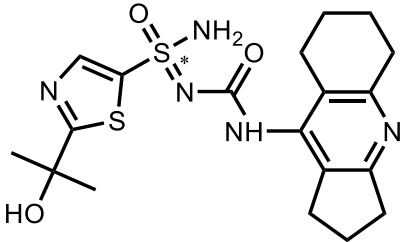
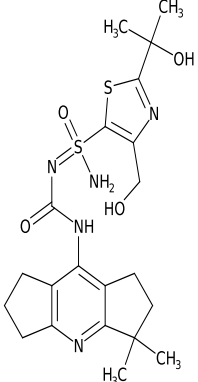
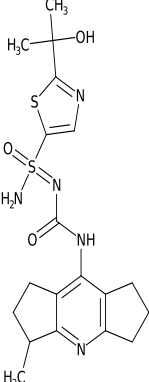
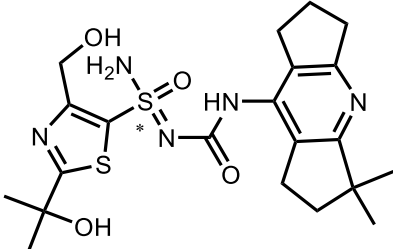
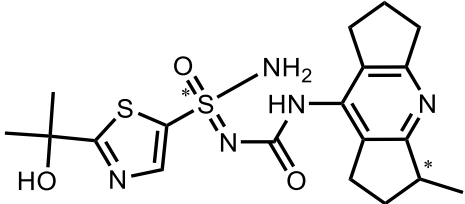
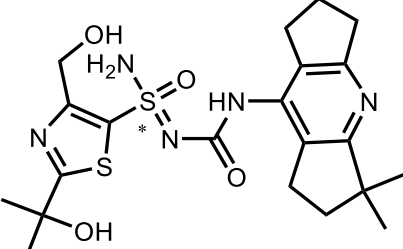
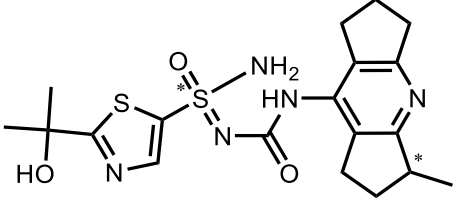
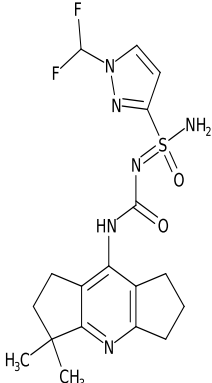
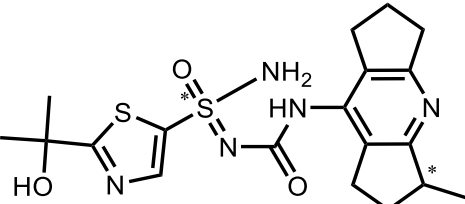
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106a		151	
106b		152	
107		153	

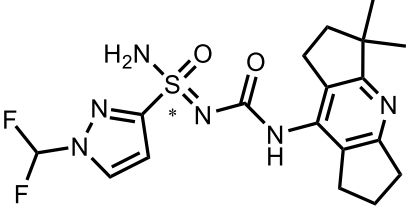
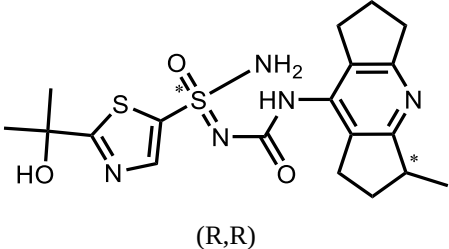
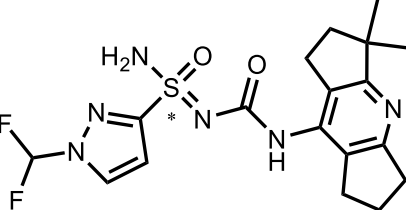
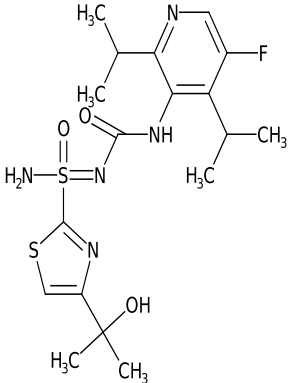
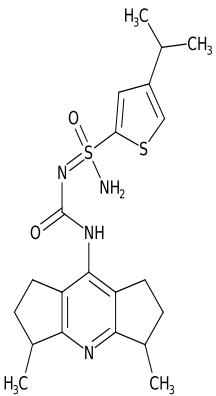
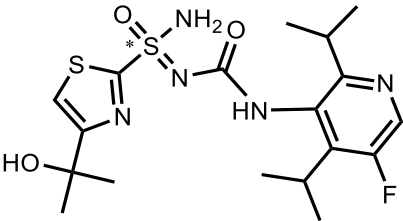
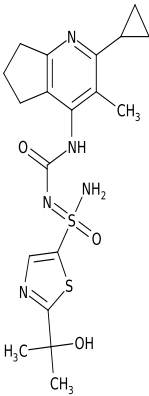
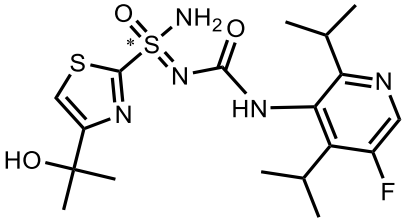
107a		153a	
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114a		154b	

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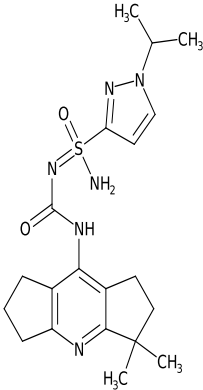
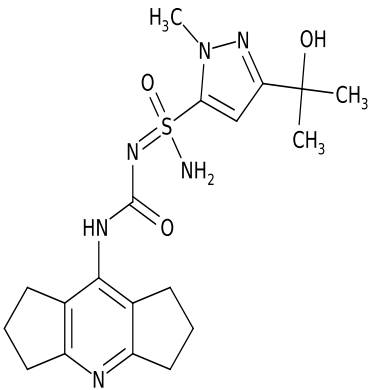
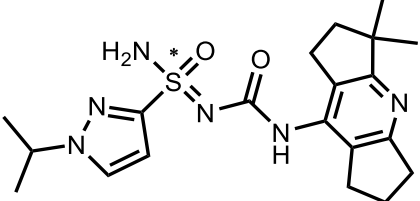
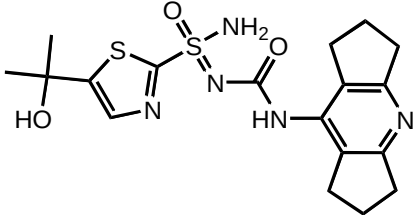
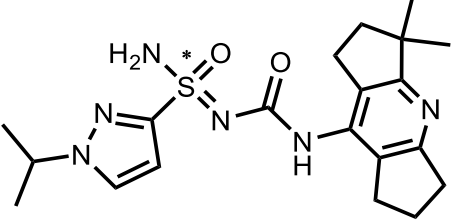
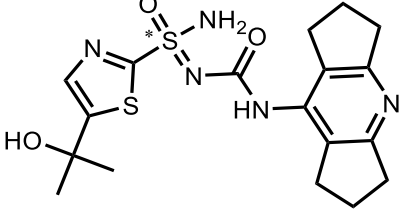
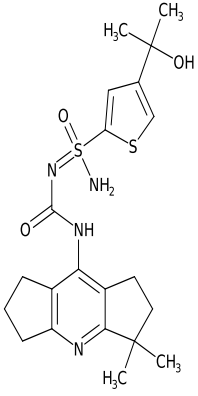
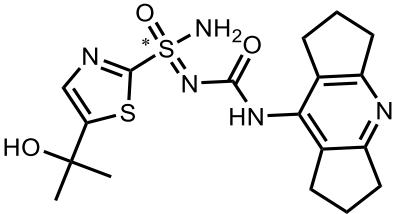
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117a		158a	
117b		159	
118		159a	
118a		159b	

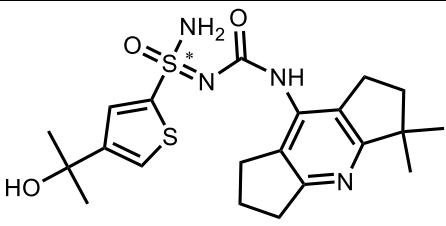
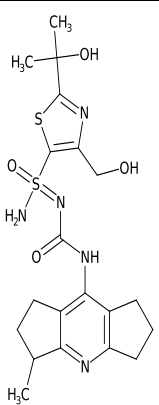
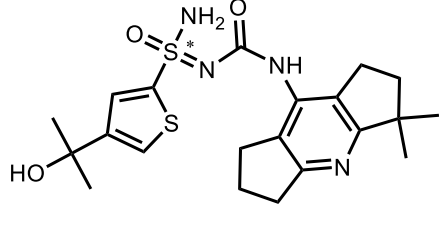
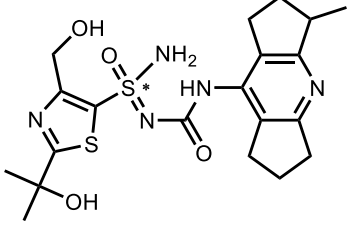
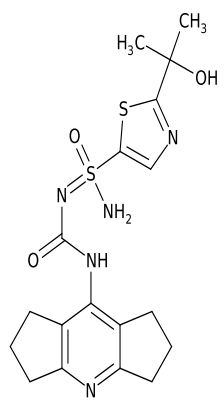
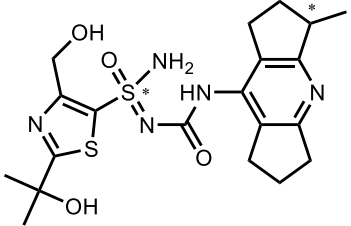
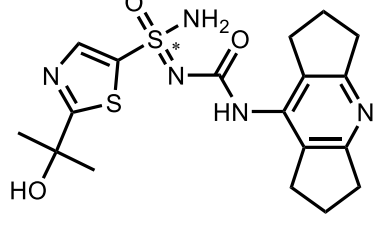
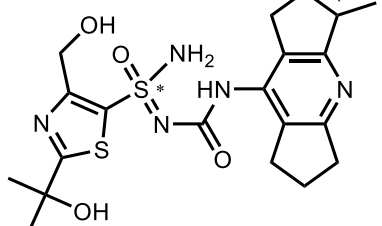
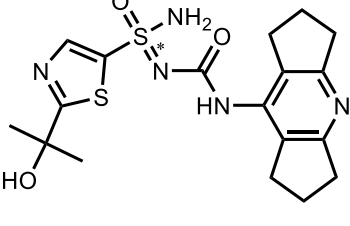
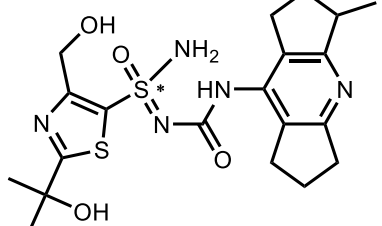
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119a		161	
119b		161a	

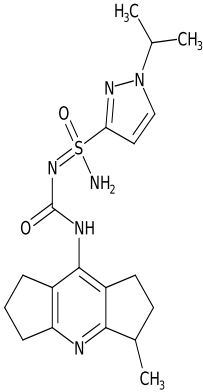
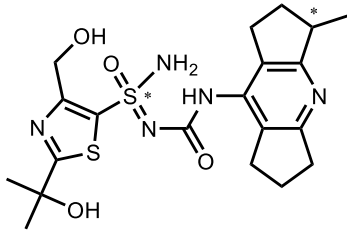
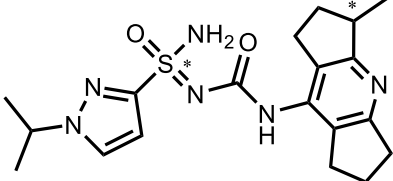
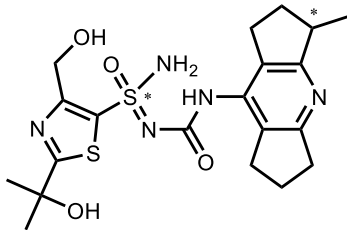
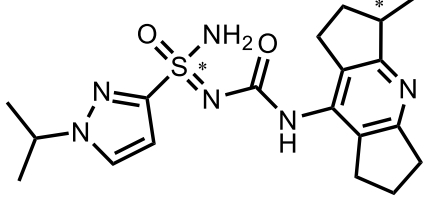
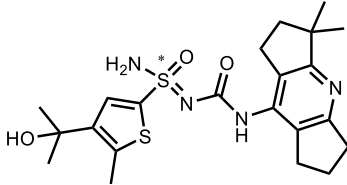
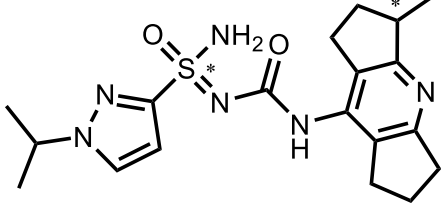
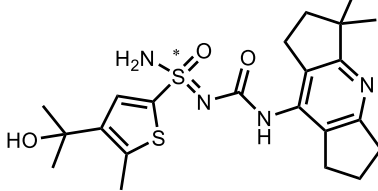
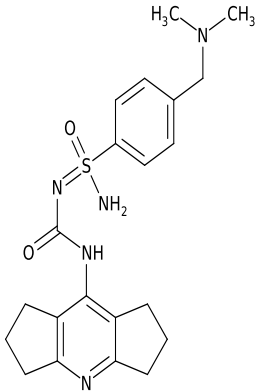
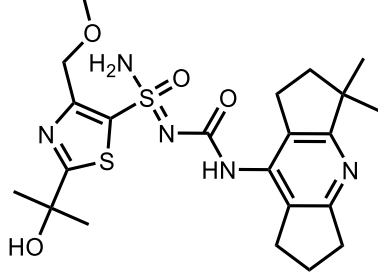
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122		162ba	

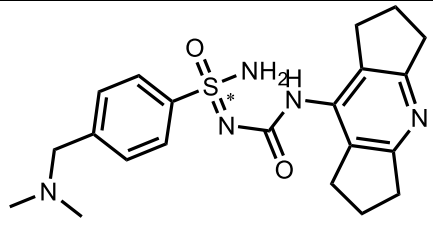
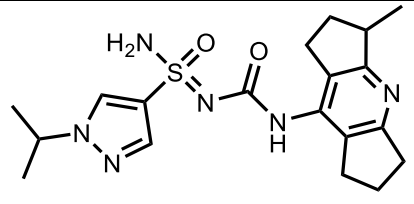
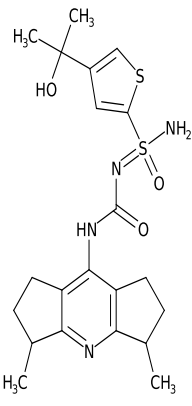
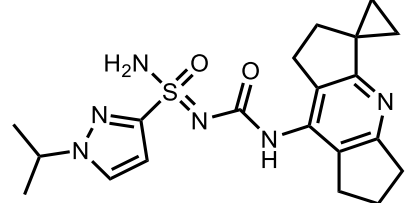
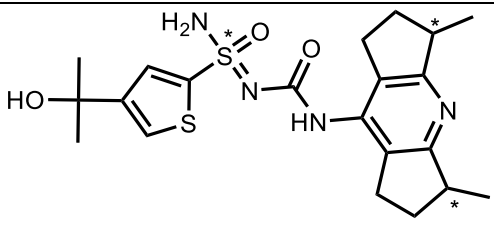
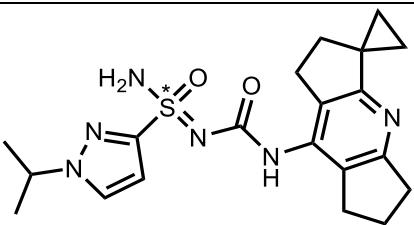
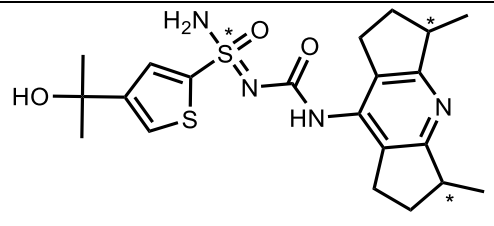
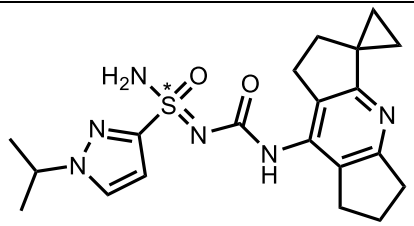
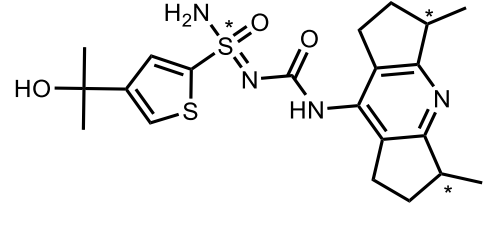
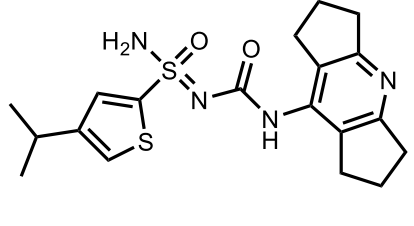
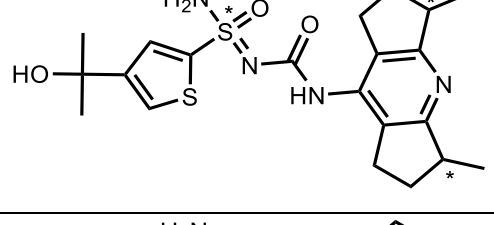
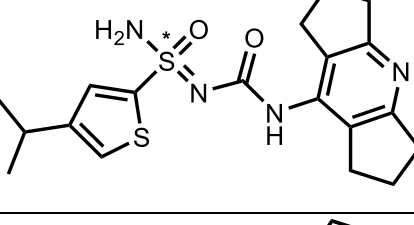
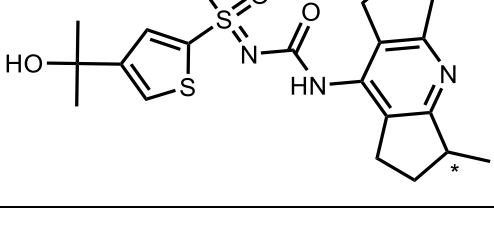
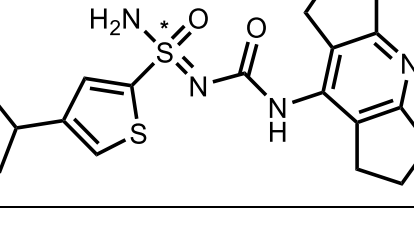
122a		162bb	 (R,R)
122b		163	
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124		163b	

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124b		164a	
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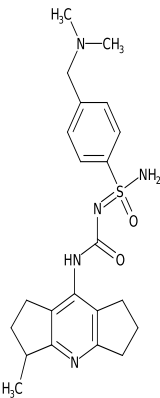
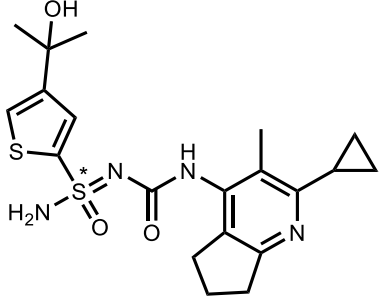
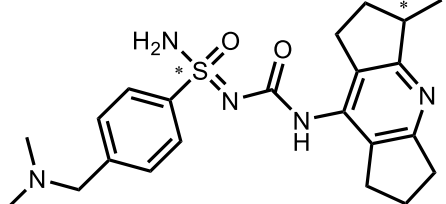
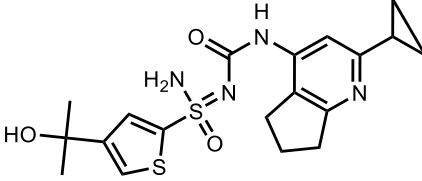
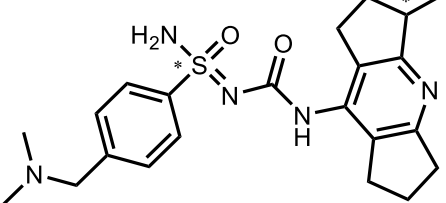
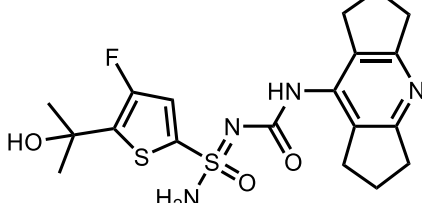
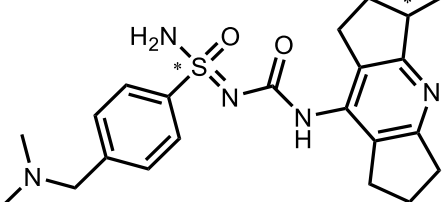
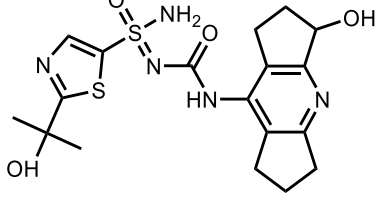
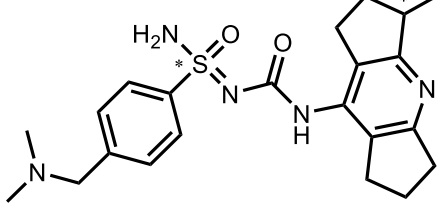
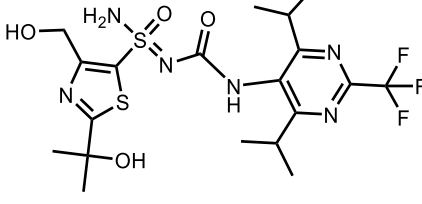
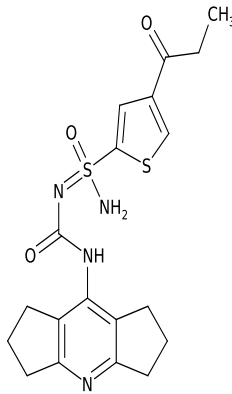
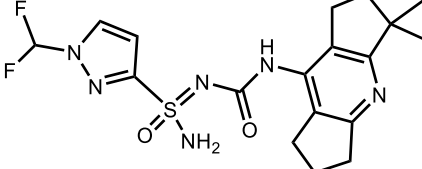
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126b		167a	
127		167b	

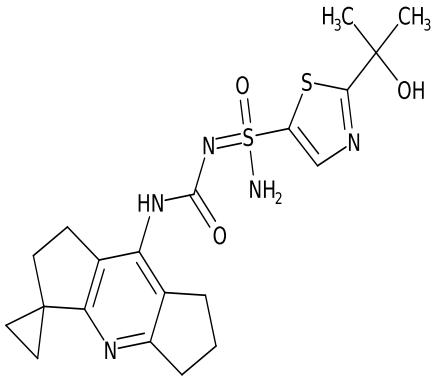
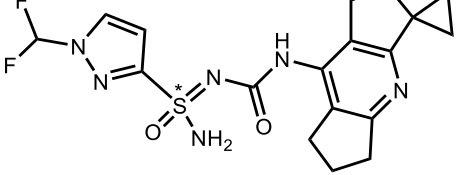
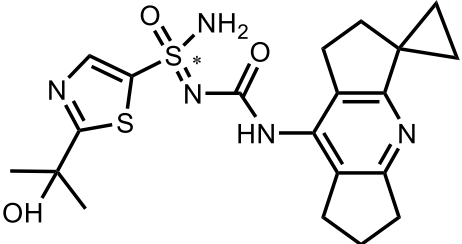
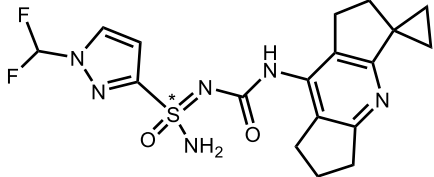
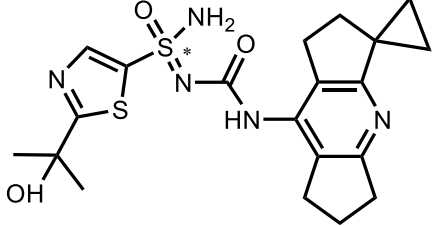
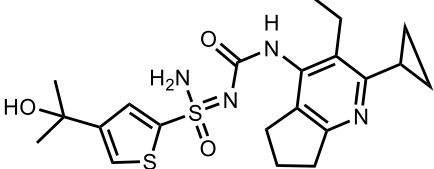
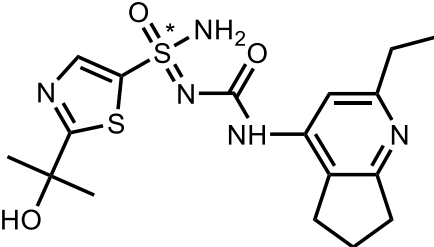
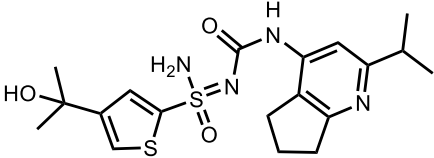
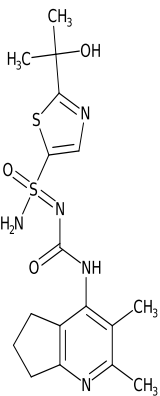
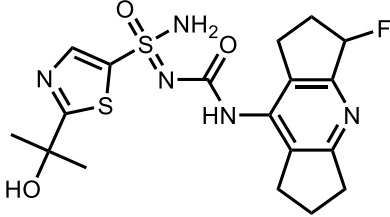
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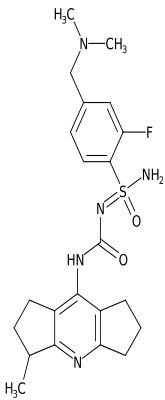
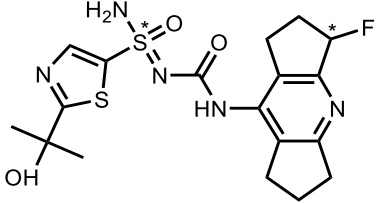
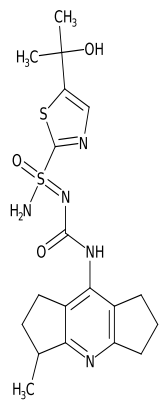
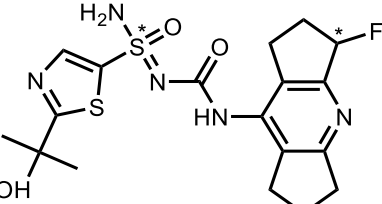
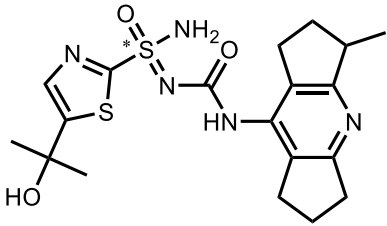
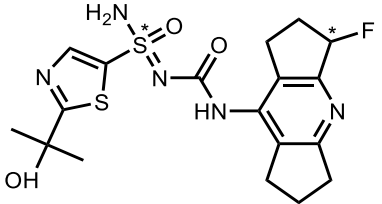
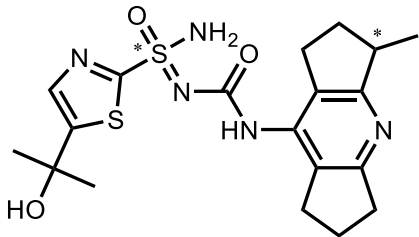
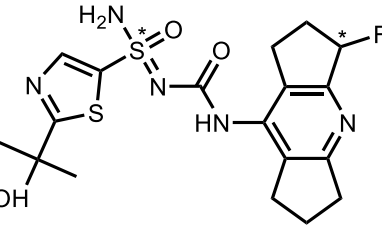
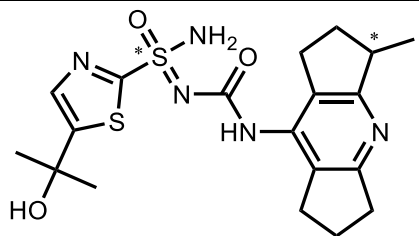
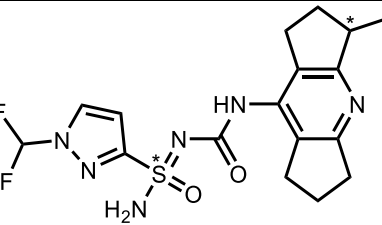
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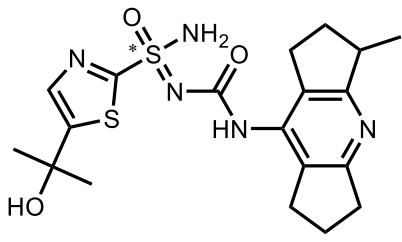
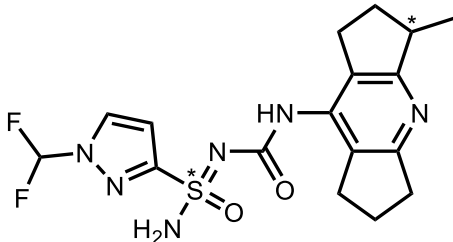
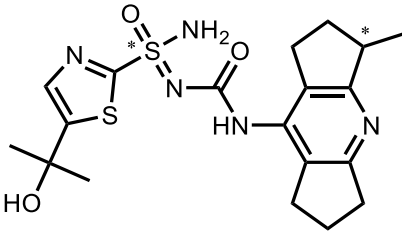
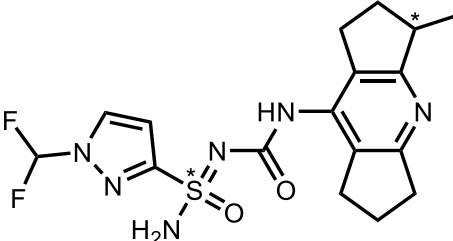
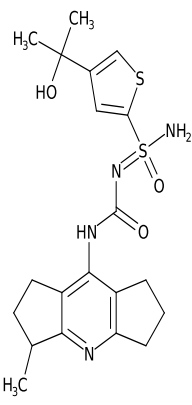
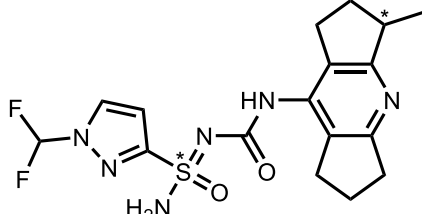
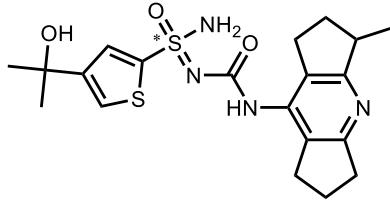
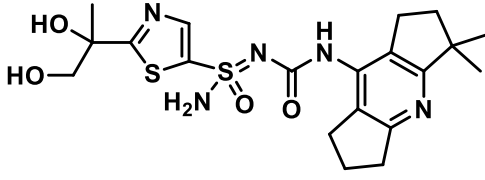
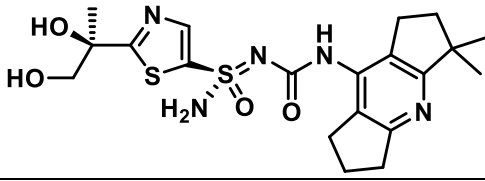
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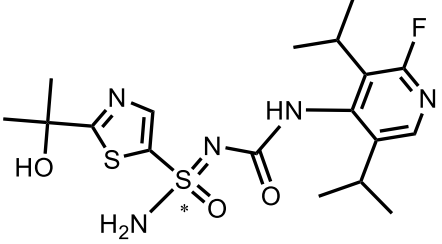
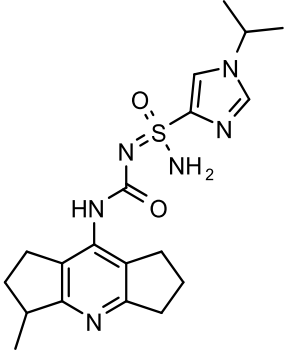
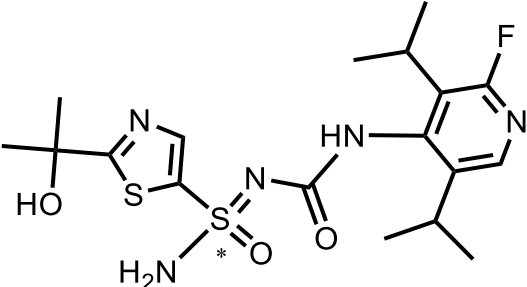
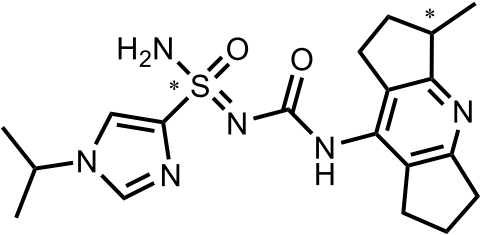
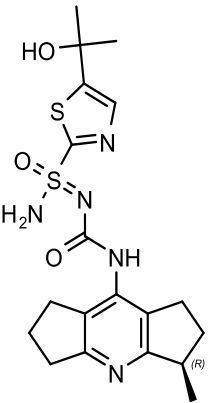
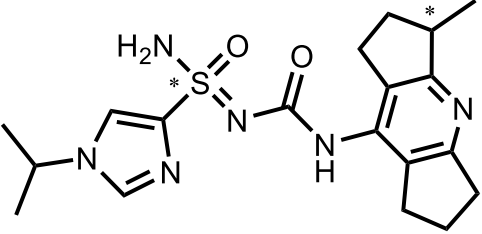
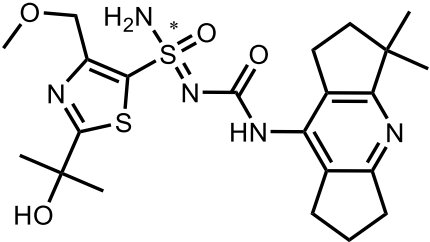
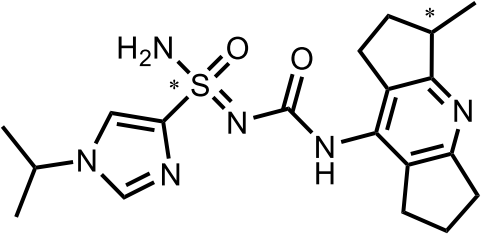
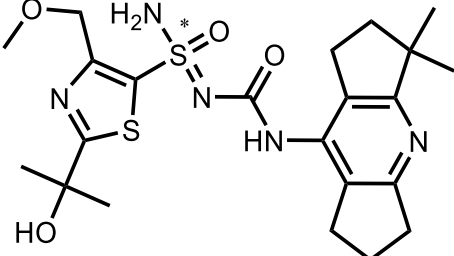
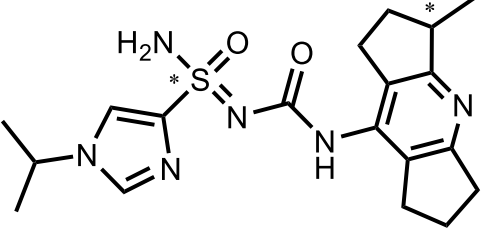
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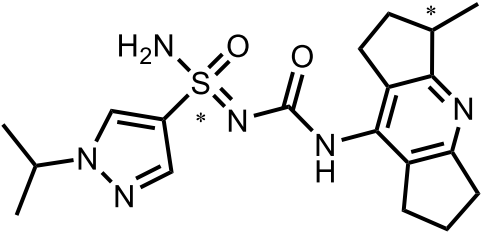
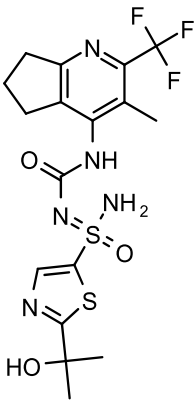
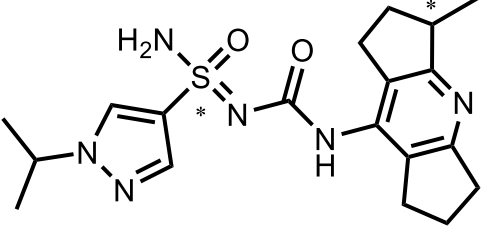
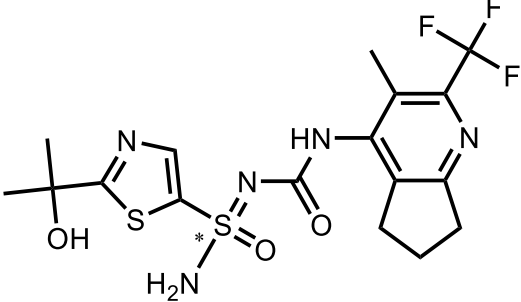
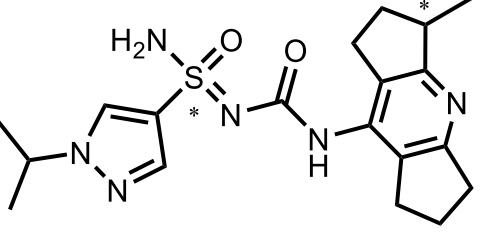
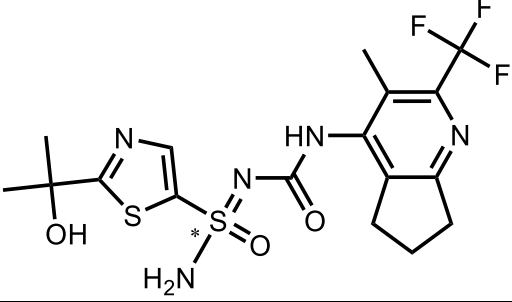
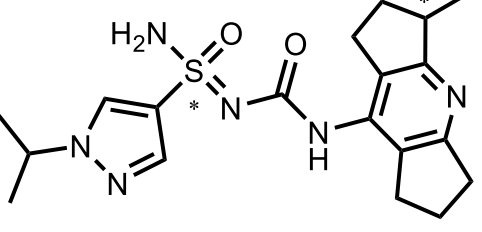
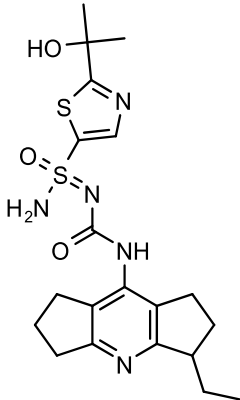
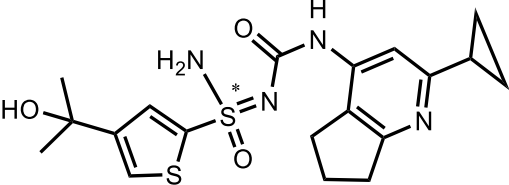
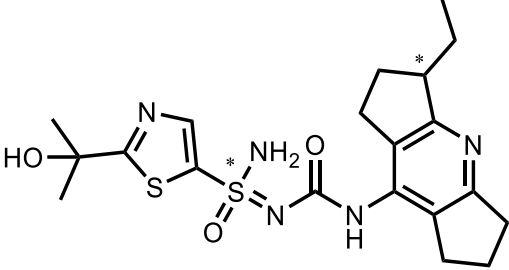
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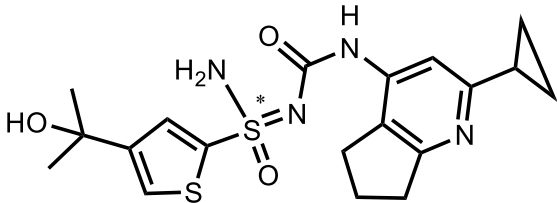
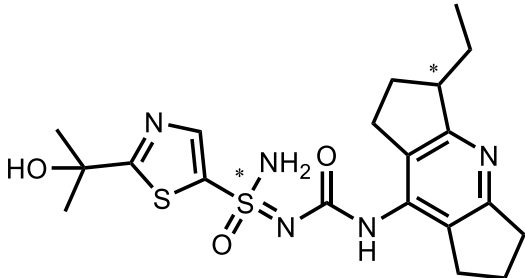
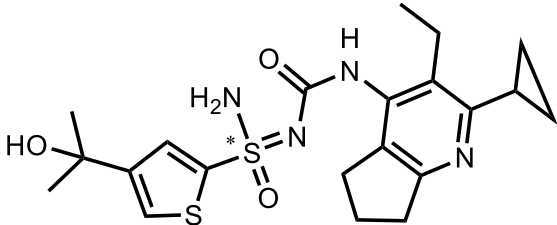
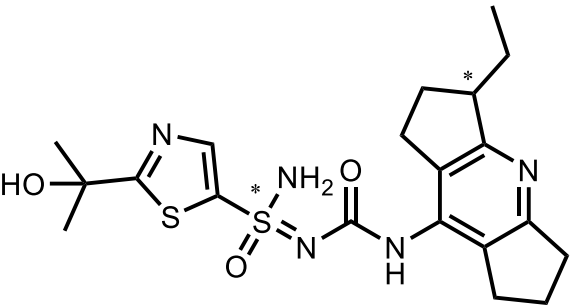
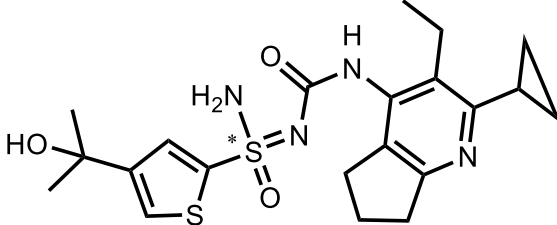
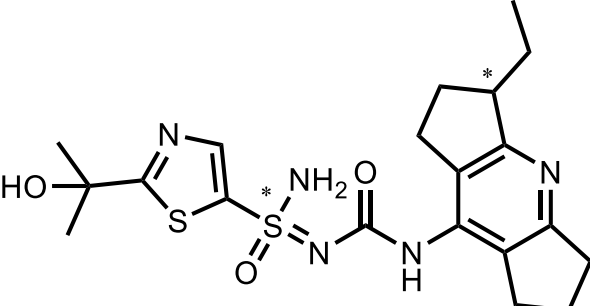
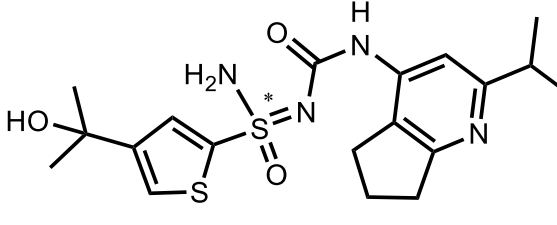
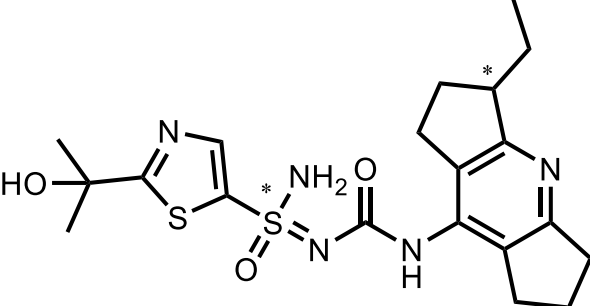
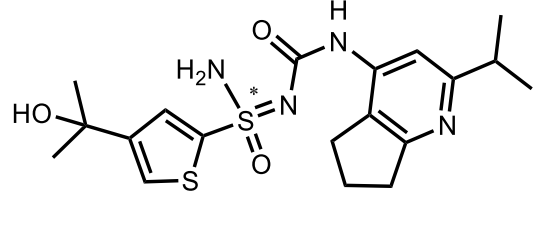
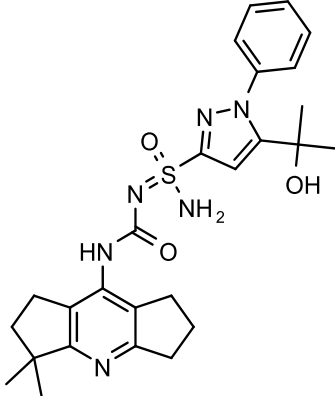
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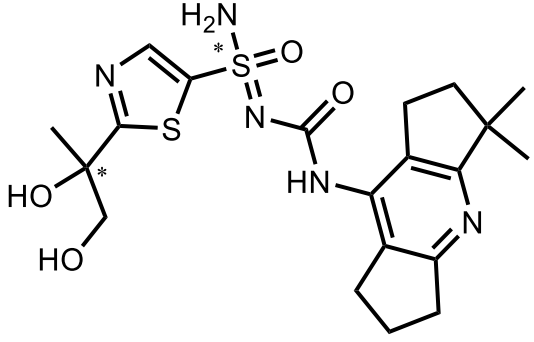
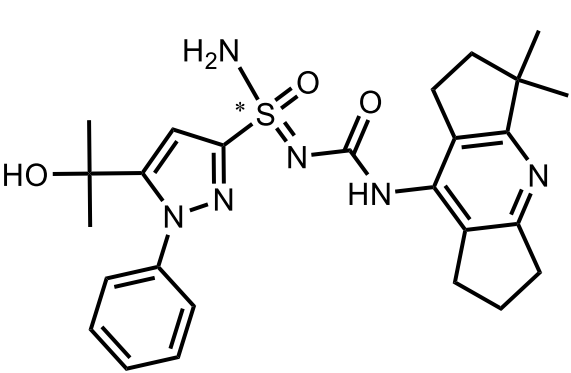
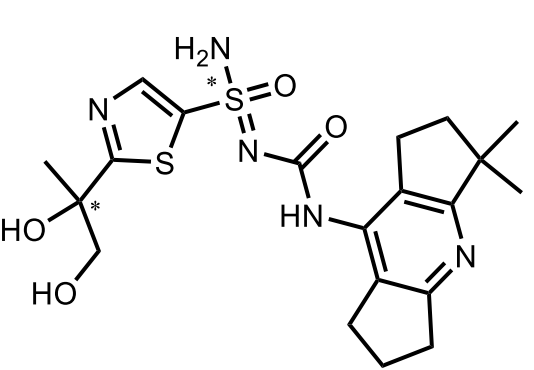
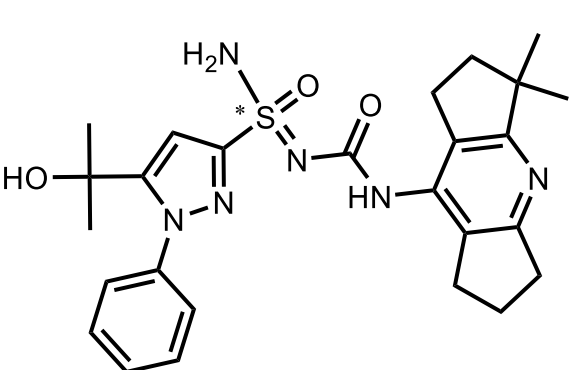
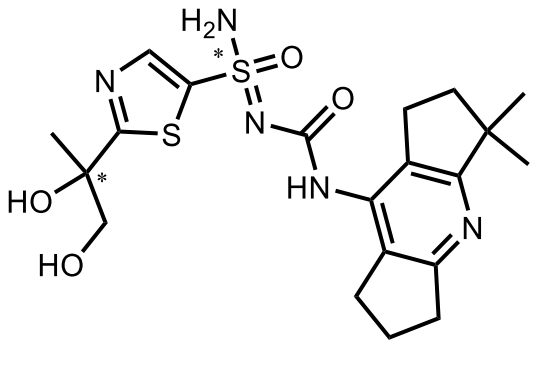
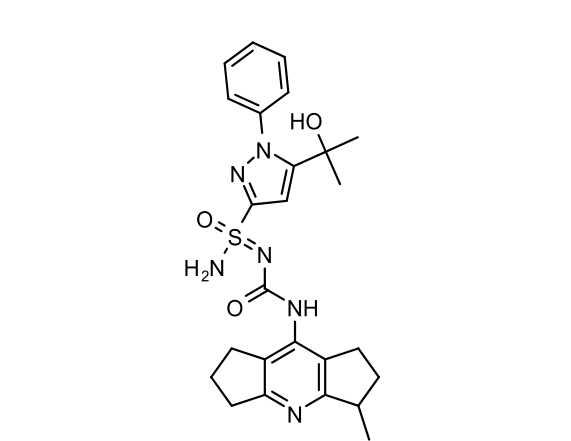
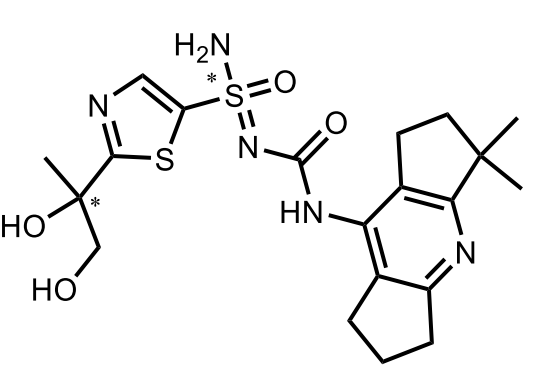
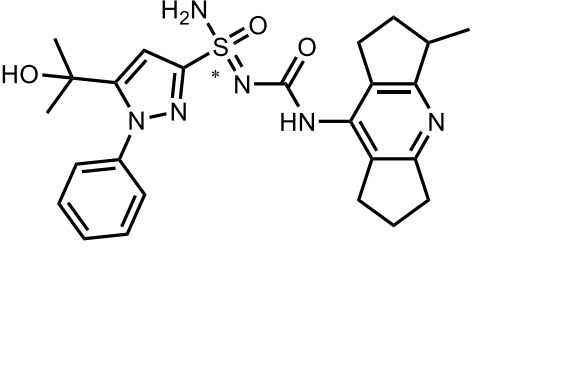
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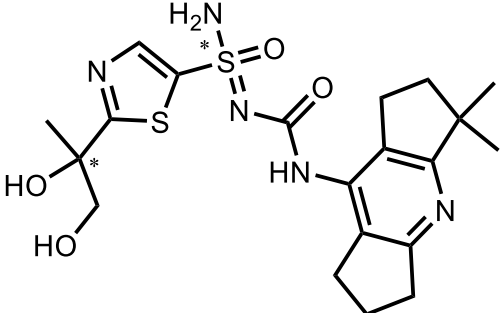
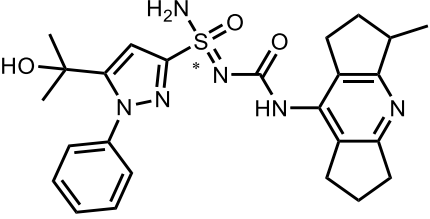
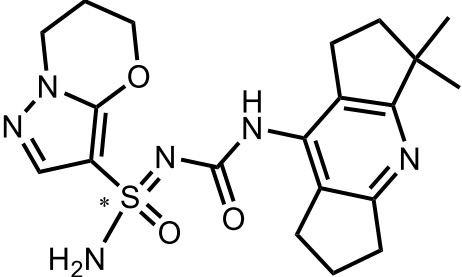
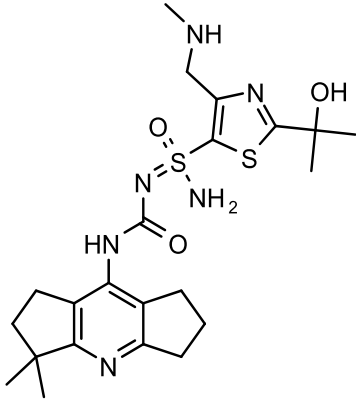
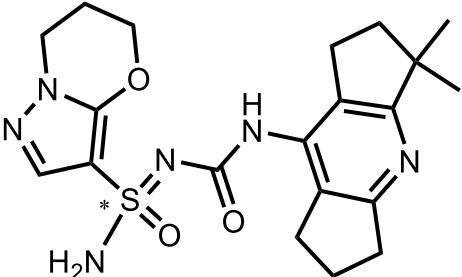
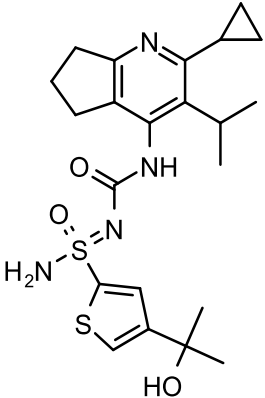
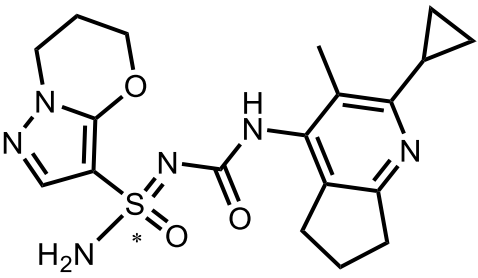
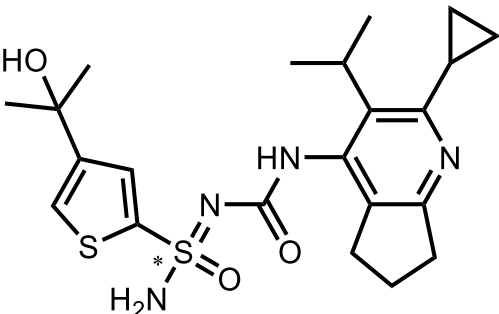
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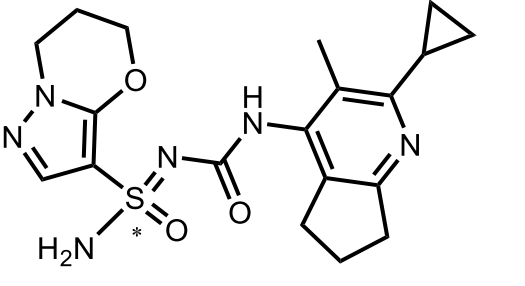
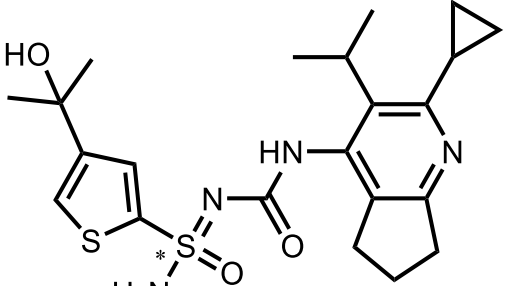
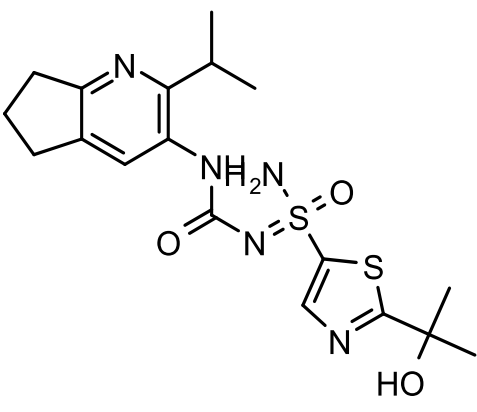
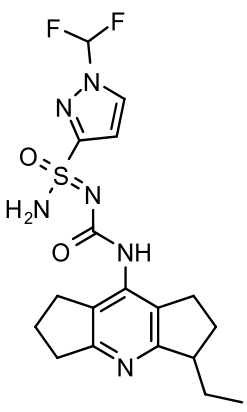
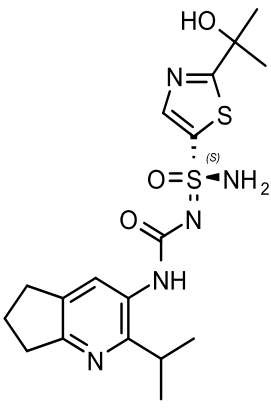
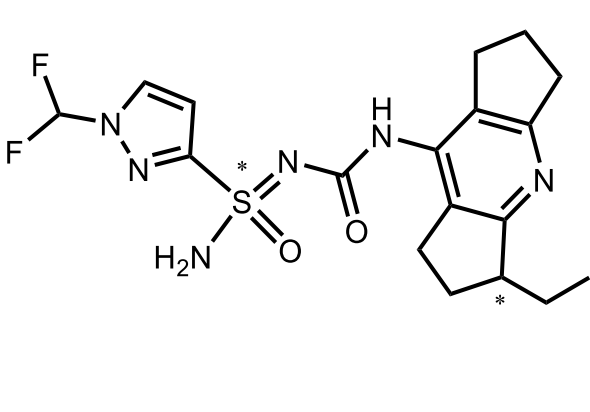
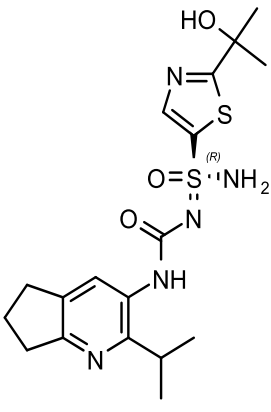
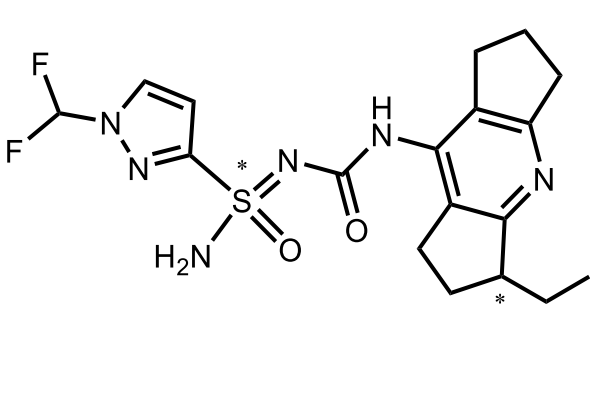
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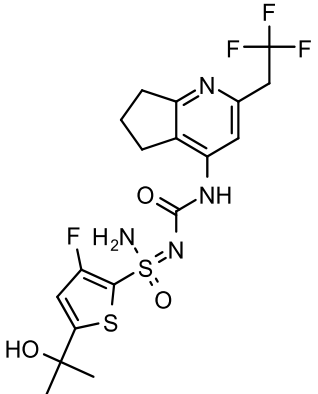
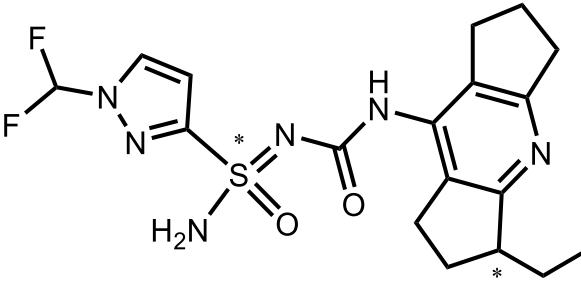
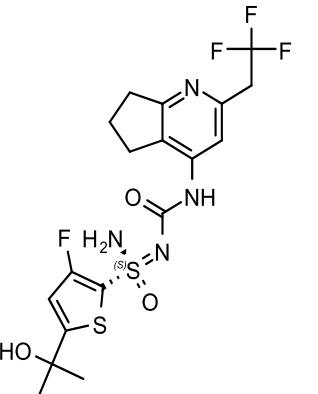
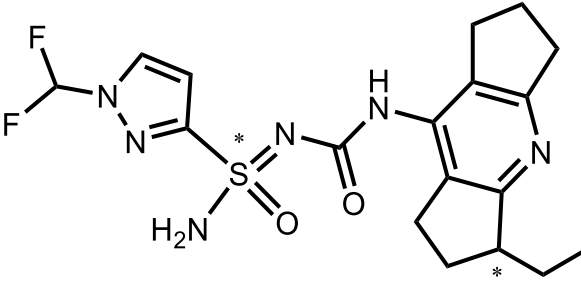
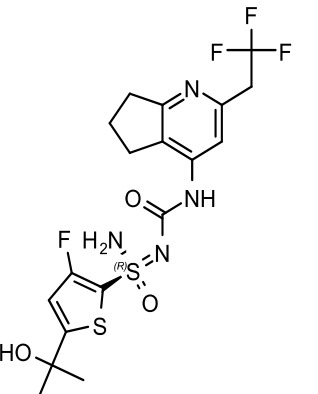
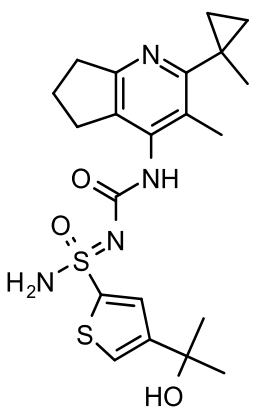
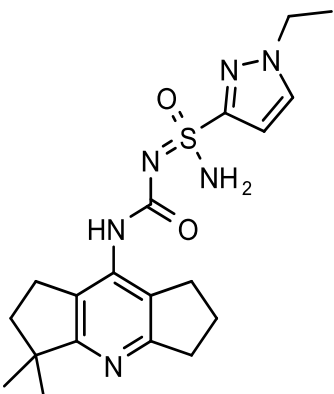
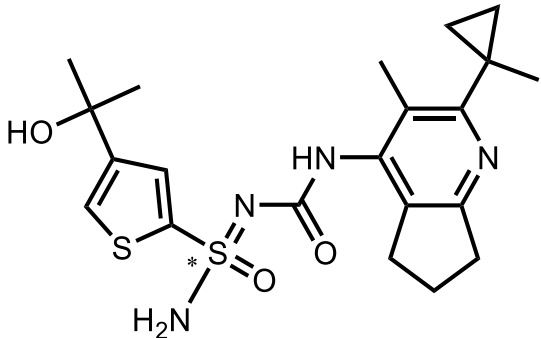
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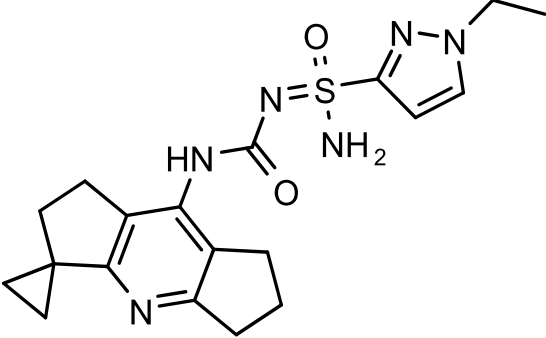
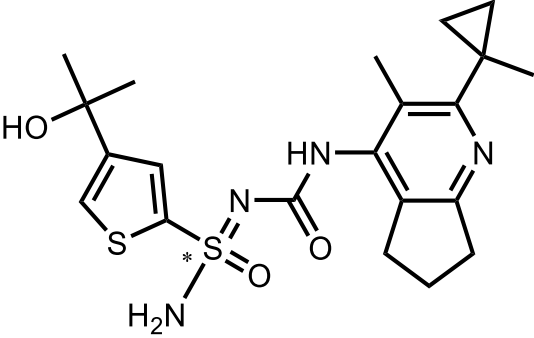
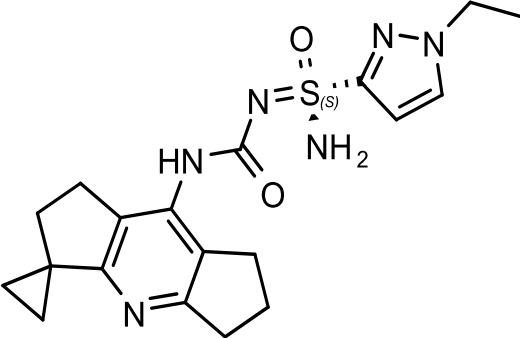
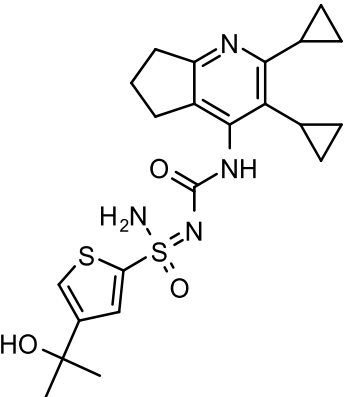
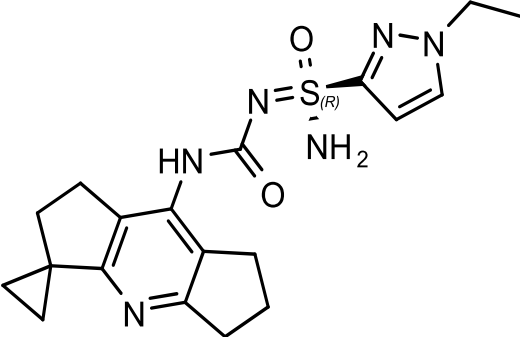
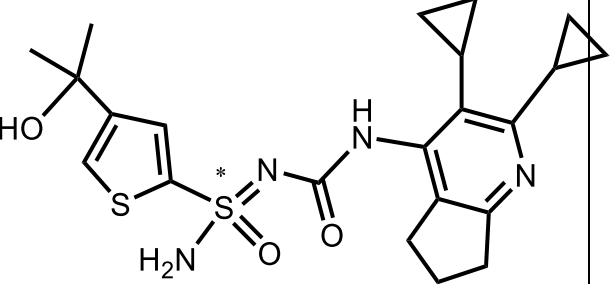
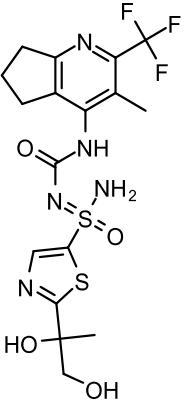
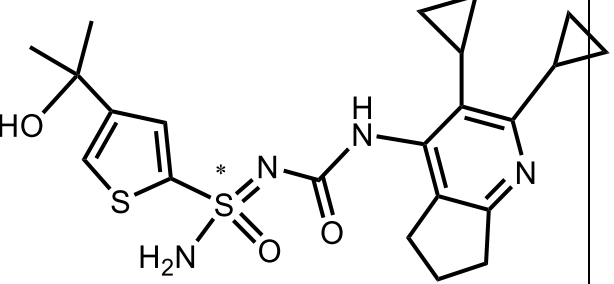
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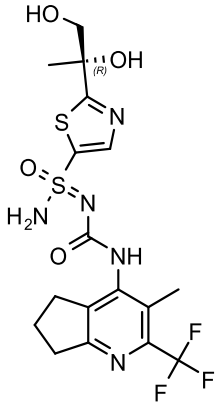
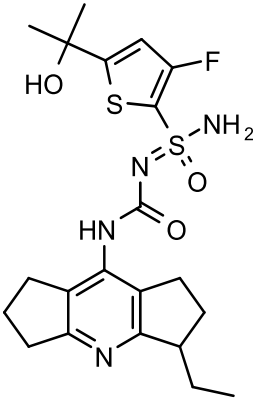
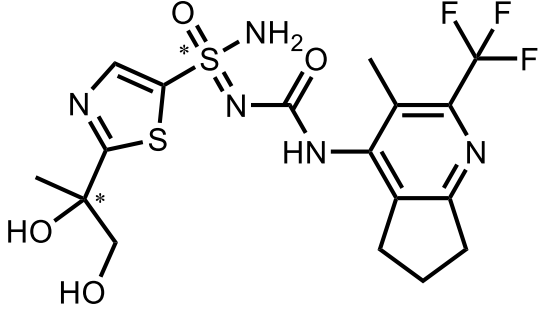
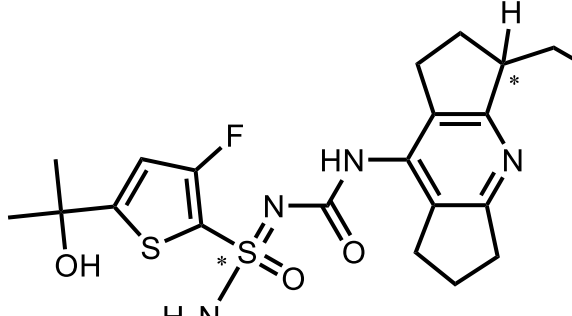
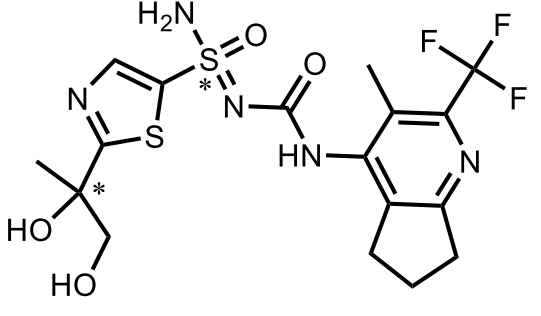
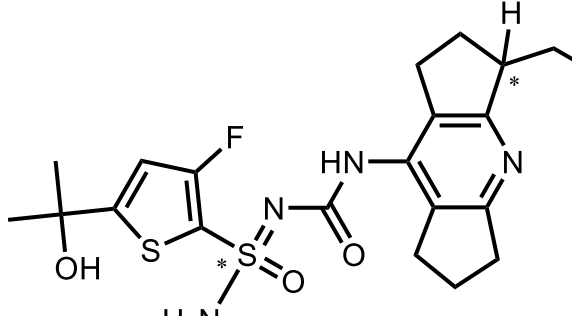
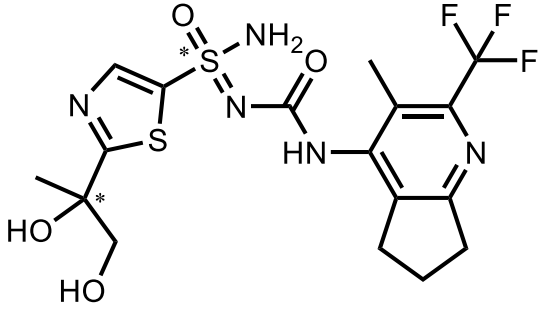
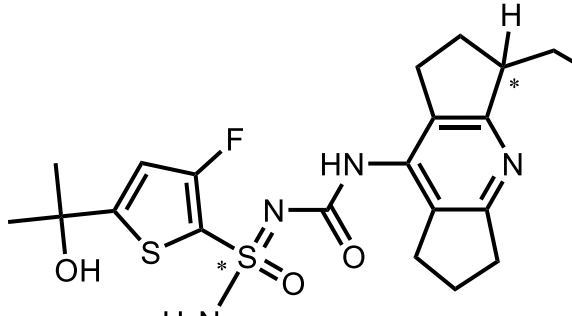
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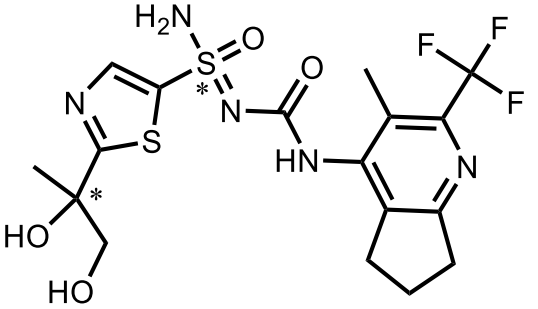
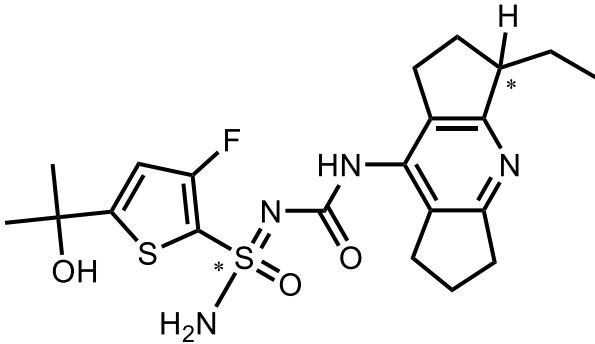
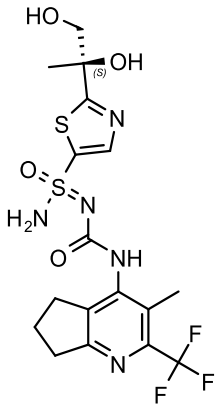
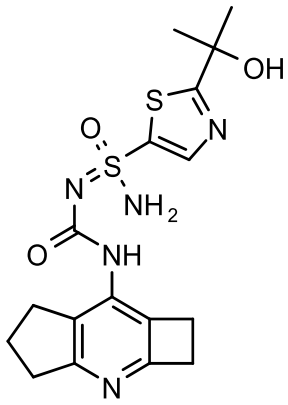
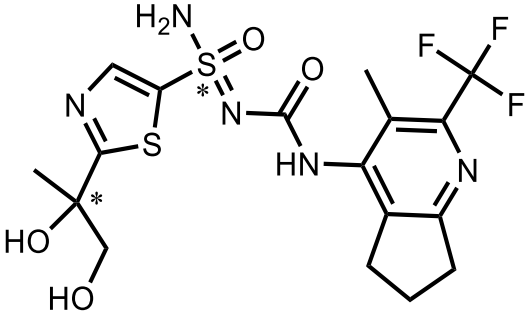
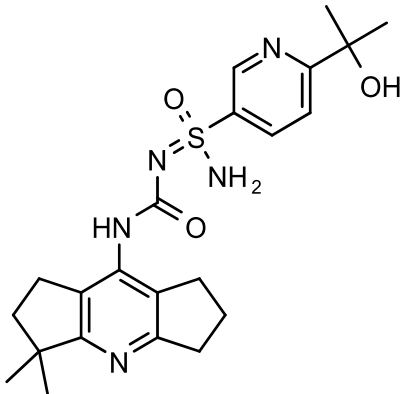
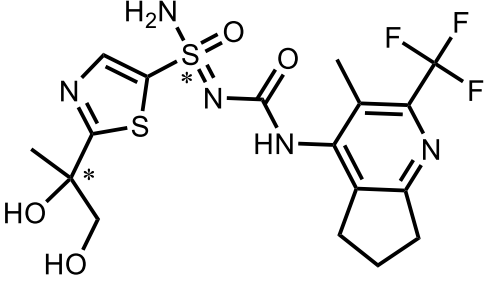
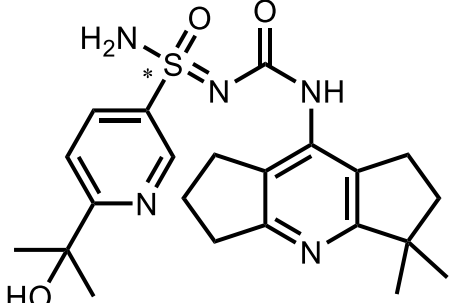
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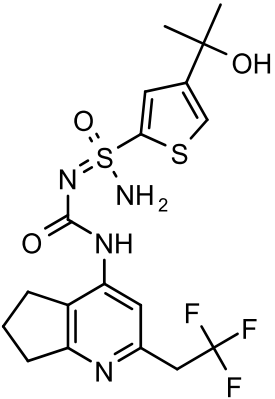
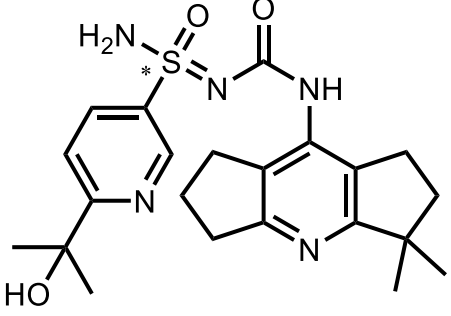
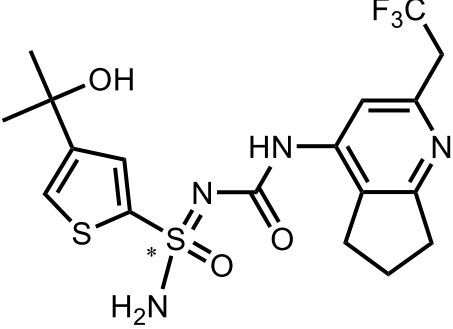
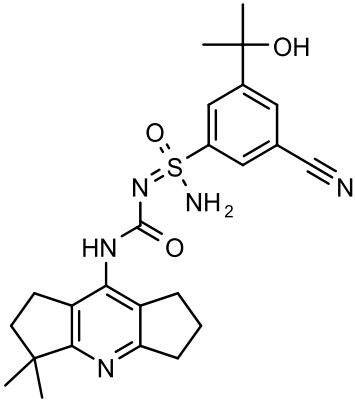
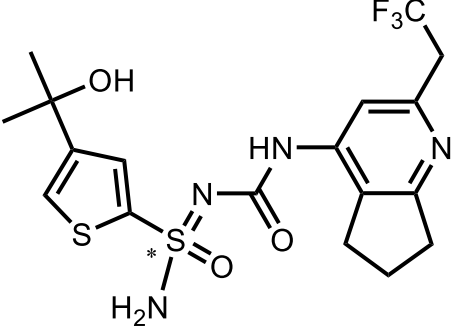
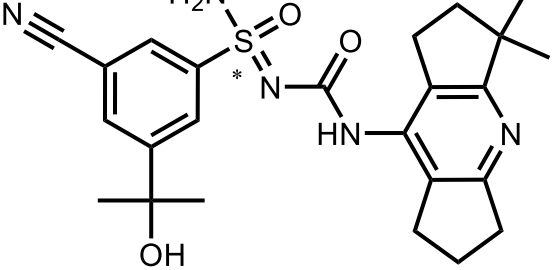
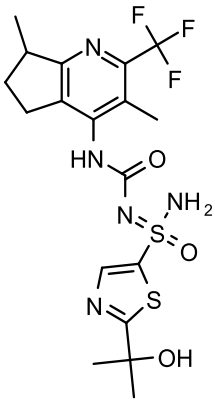
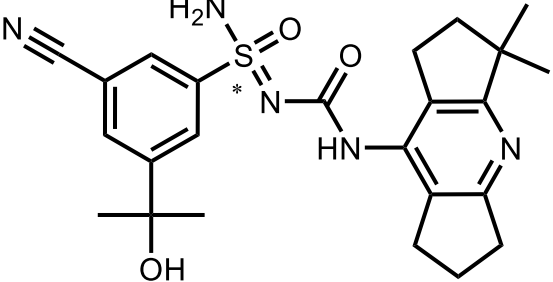
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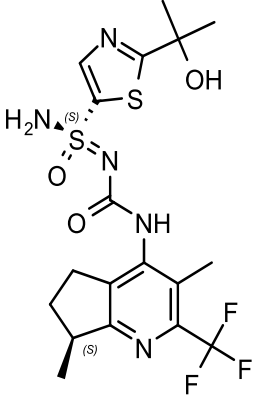
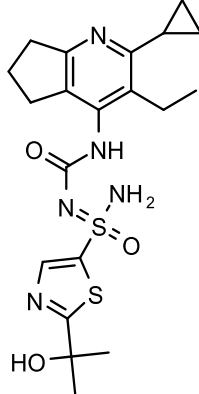
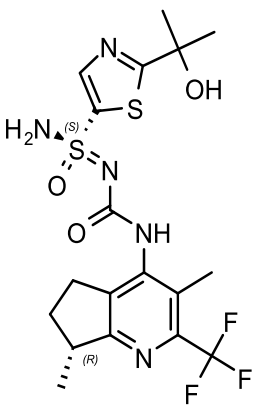
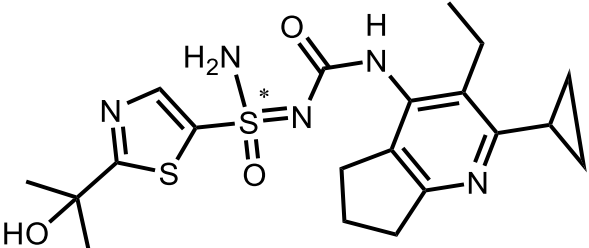
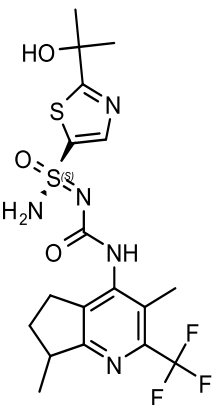
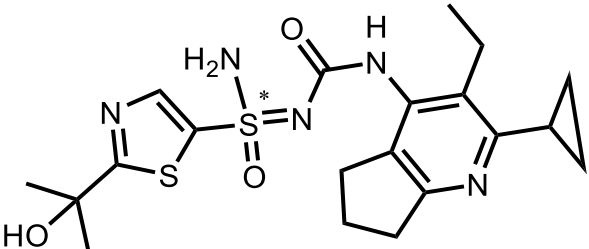
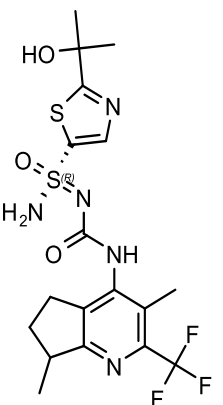
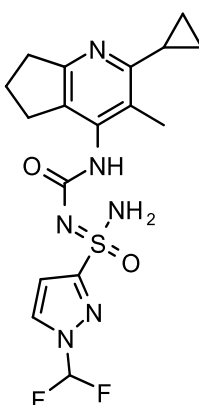
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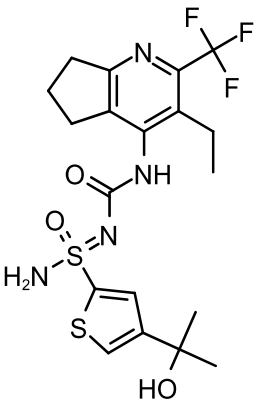
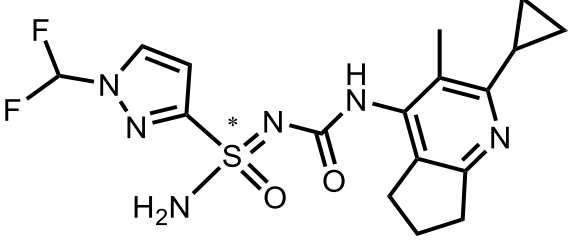
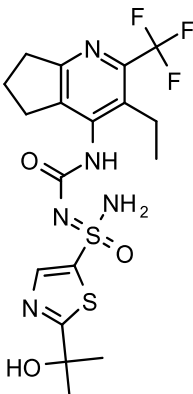
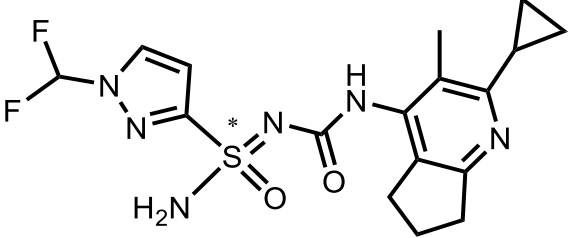
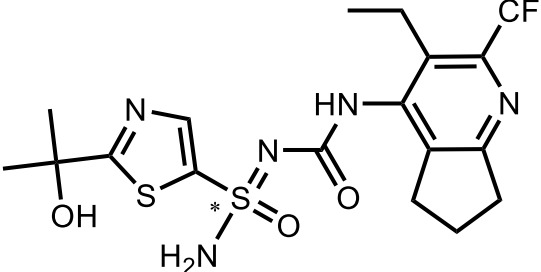
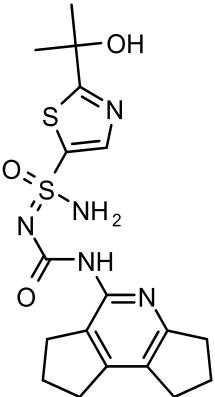
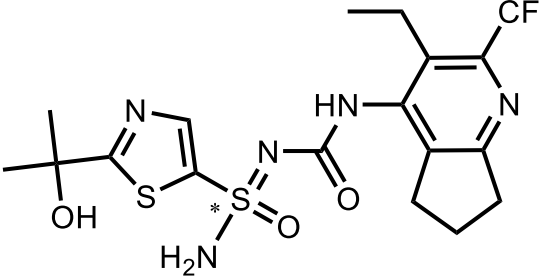
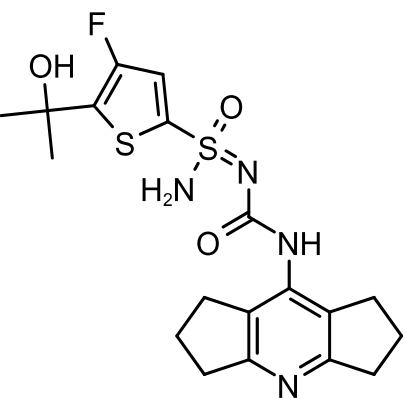
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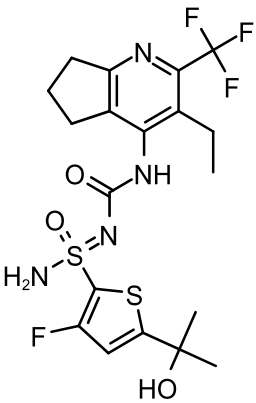
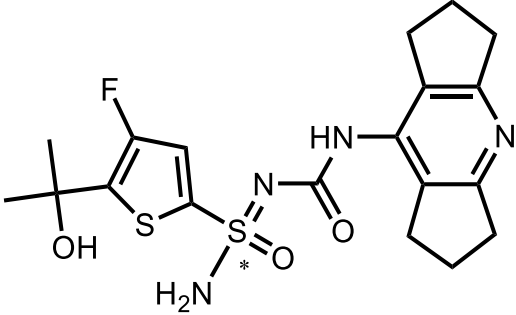
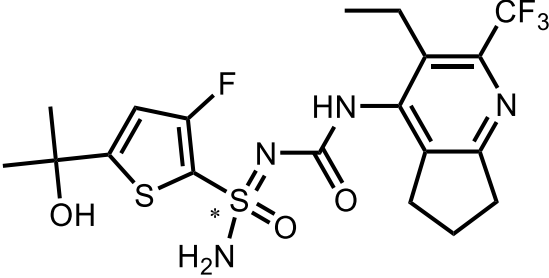
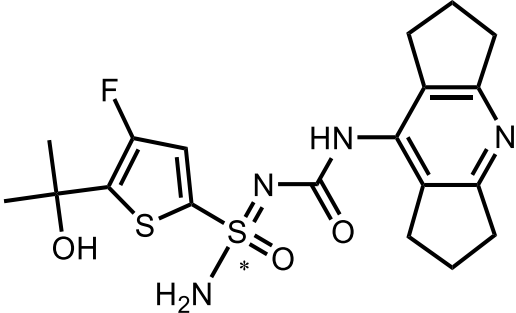
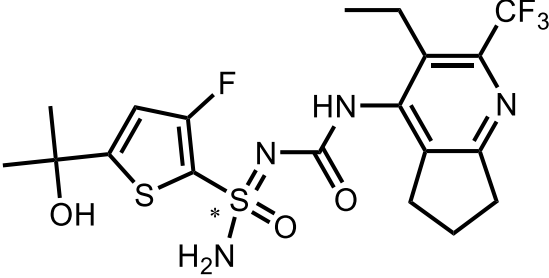
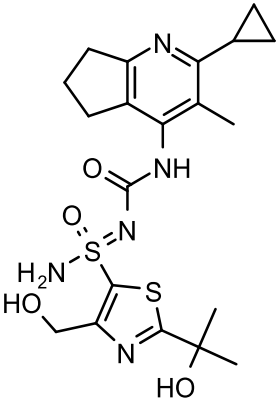
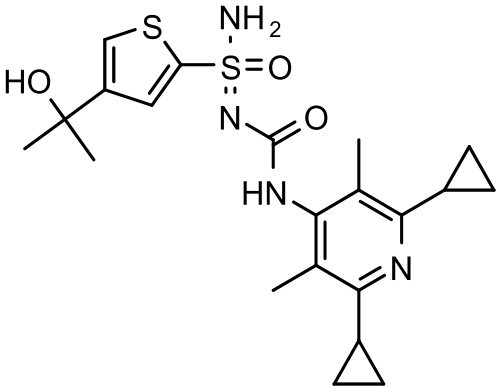
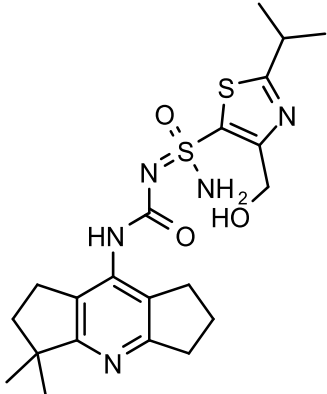
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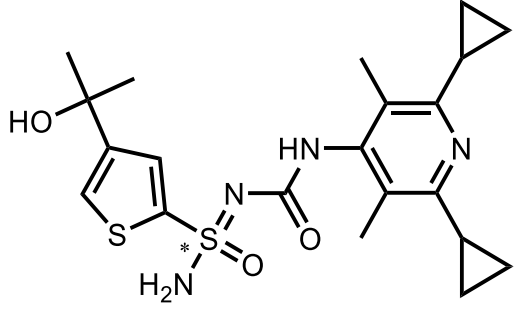
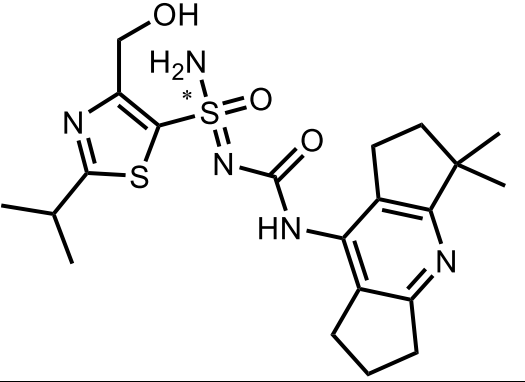
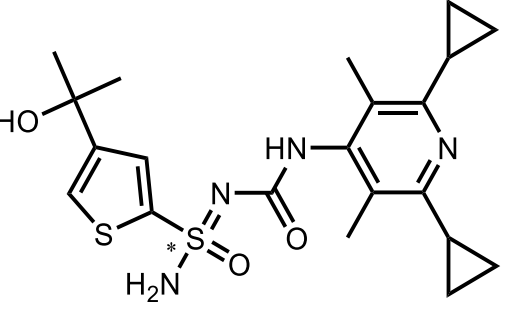
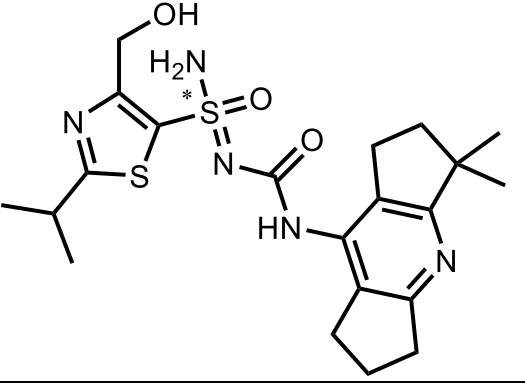
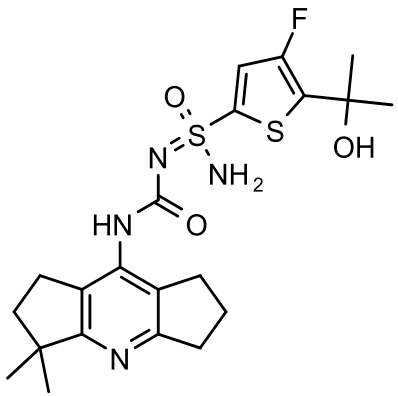
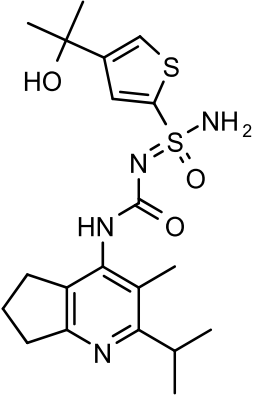
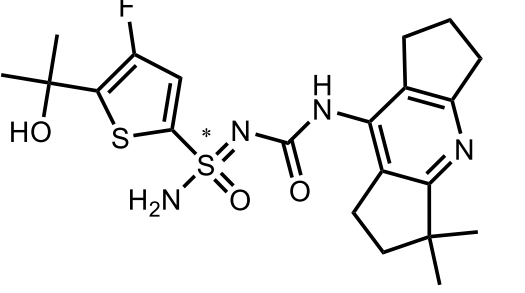
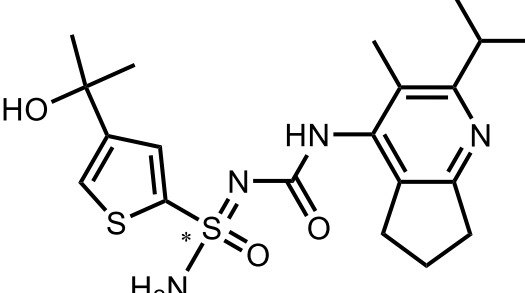
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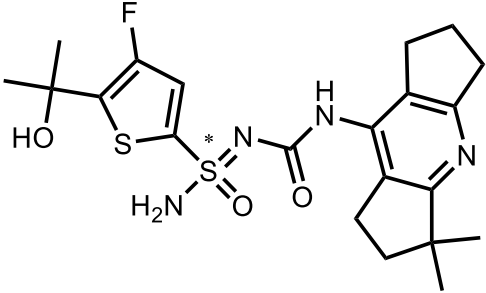
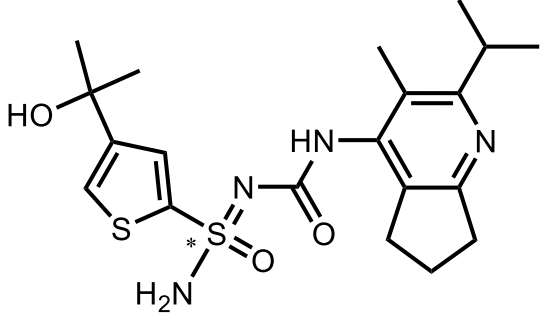
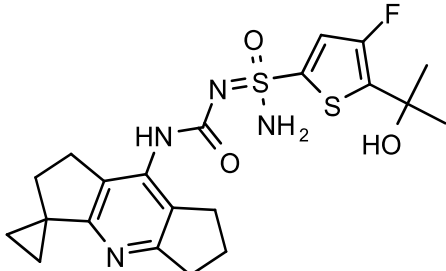
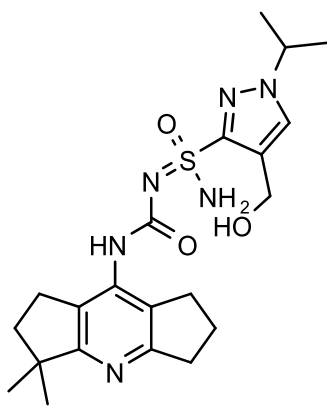
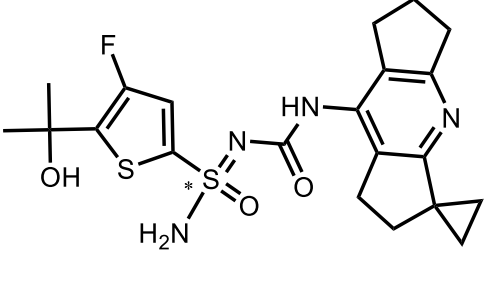
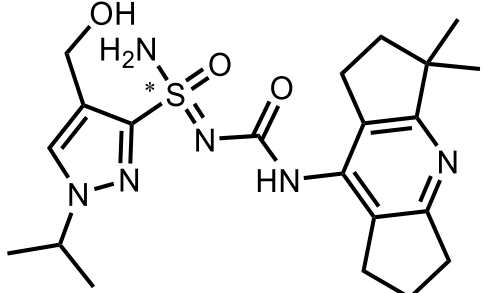
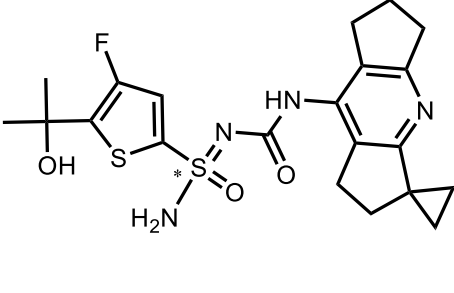
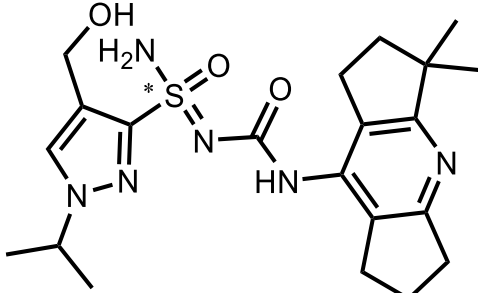
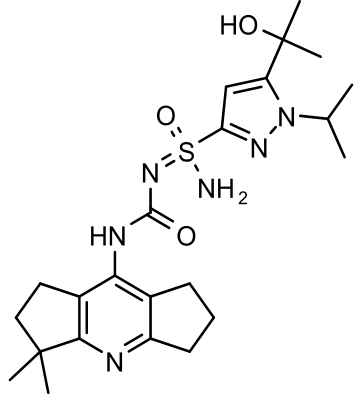
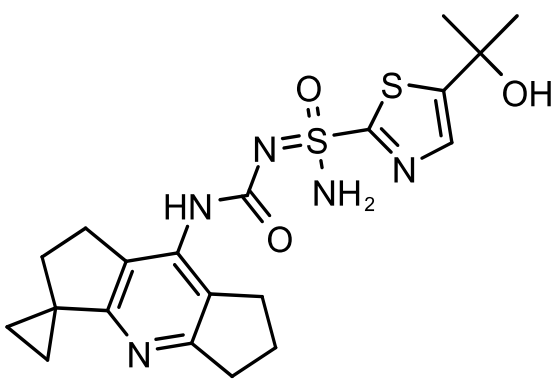
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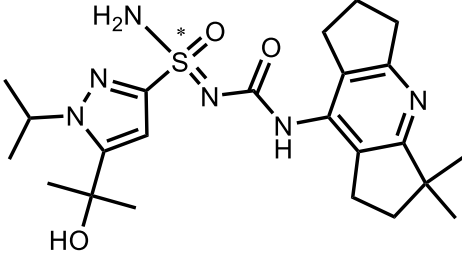
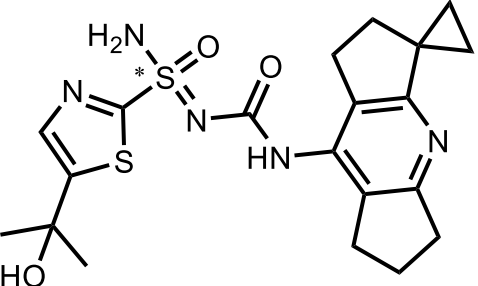
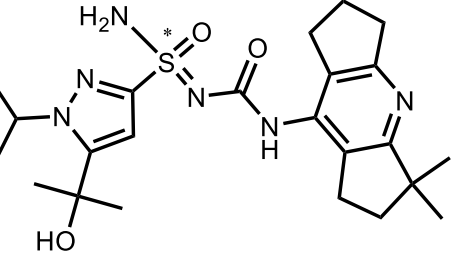
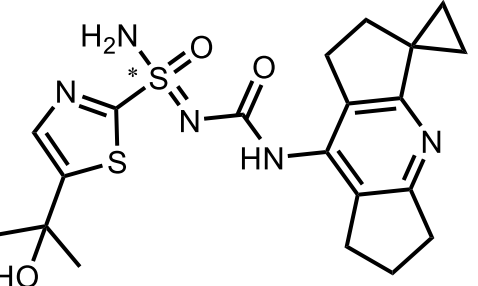
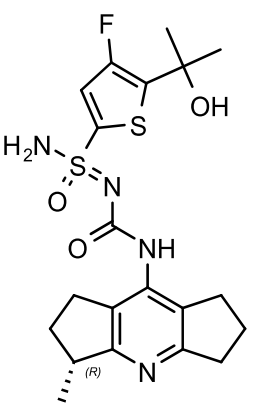
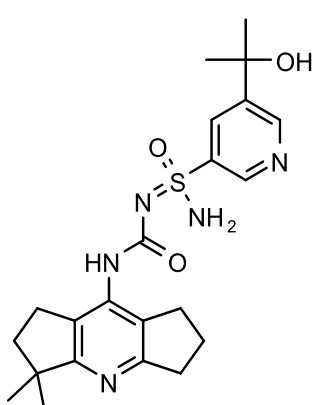
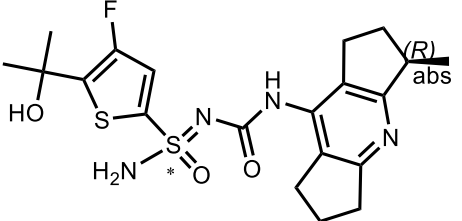
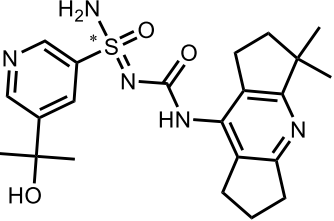
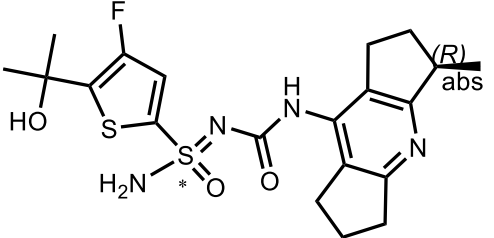
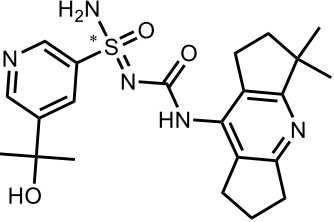
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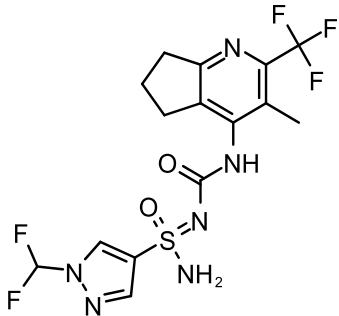
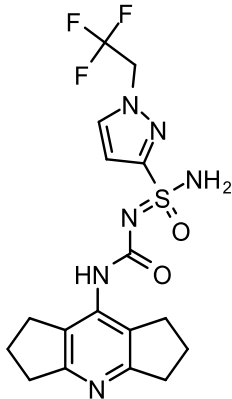
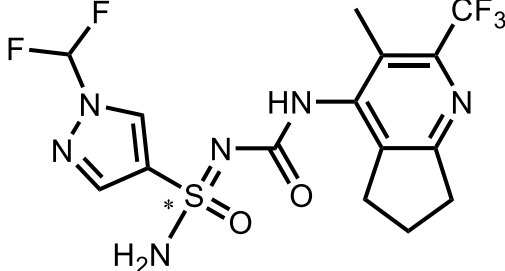
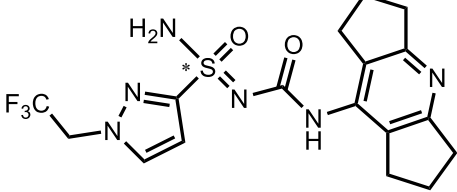
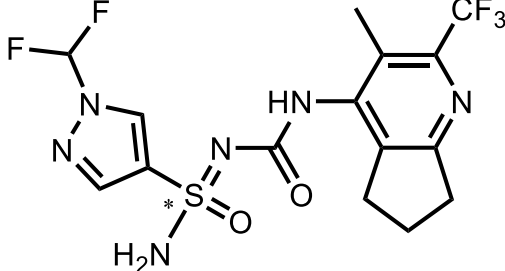
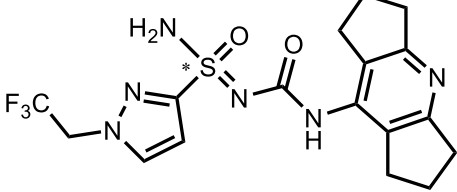
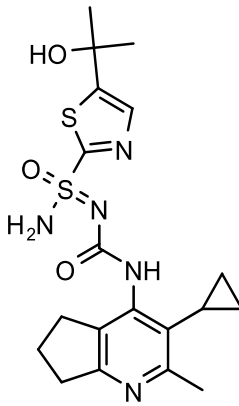
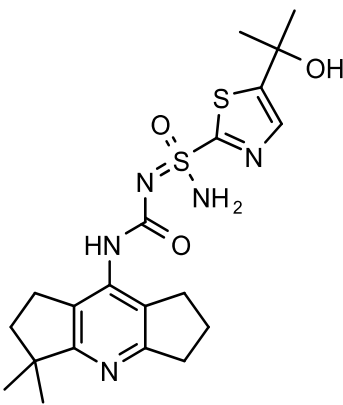
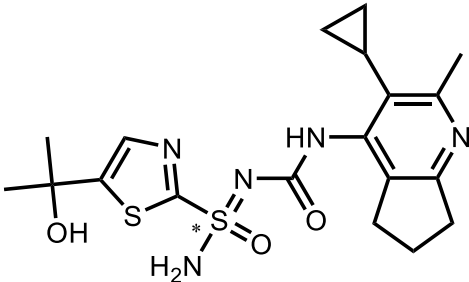
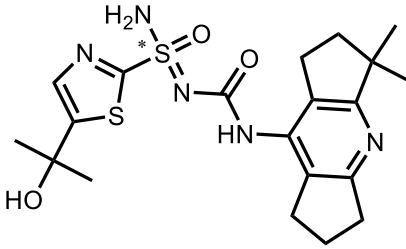
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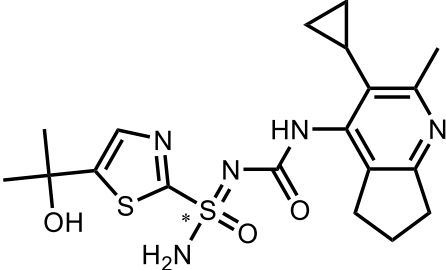
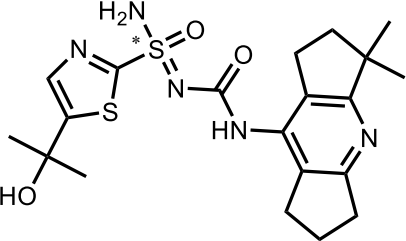
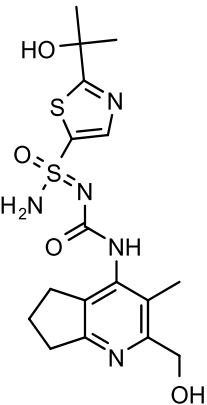
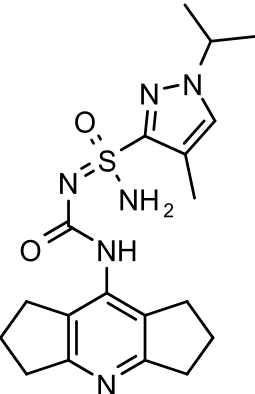
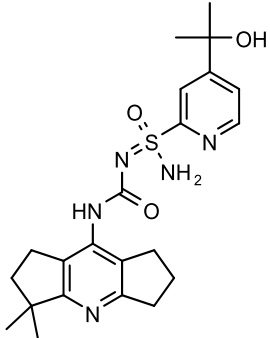
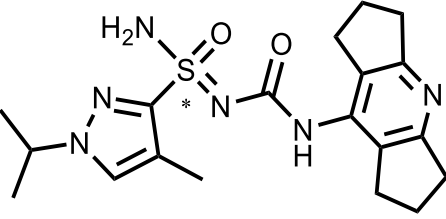
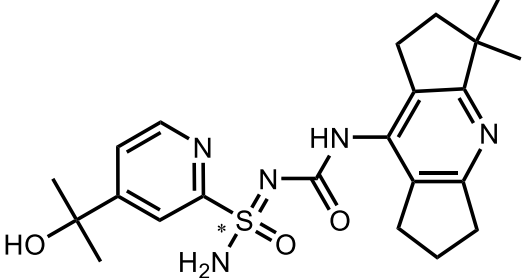
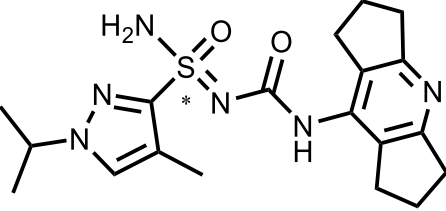
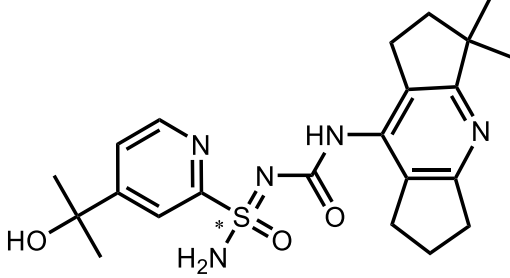
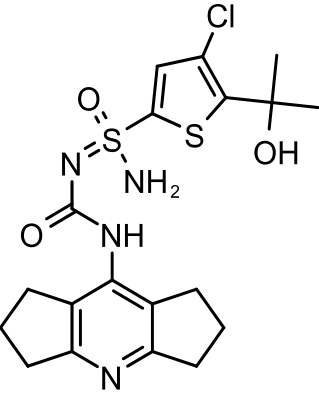
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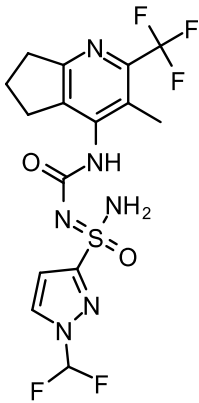
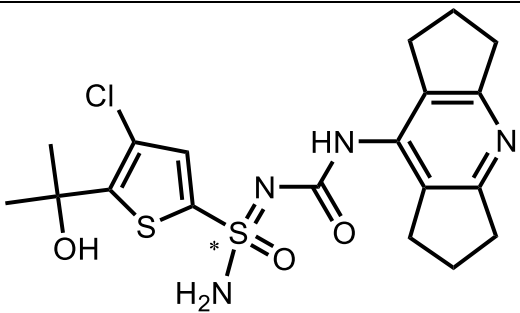
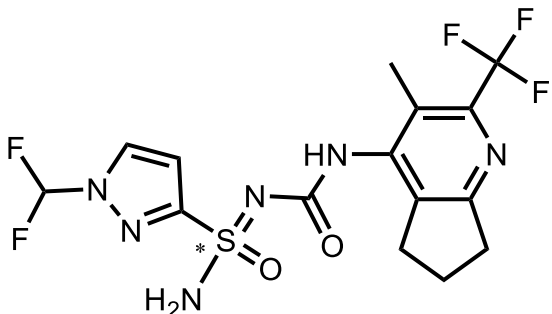
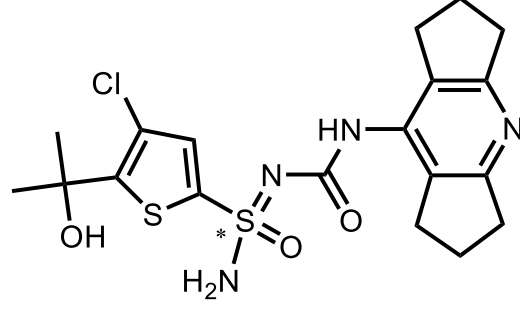
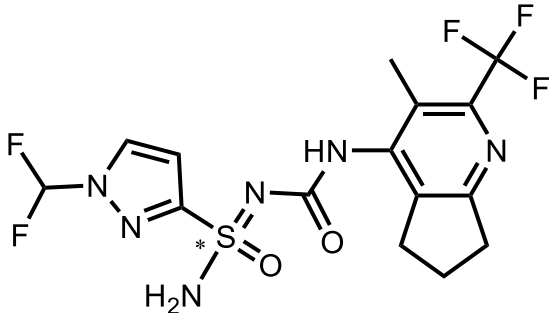
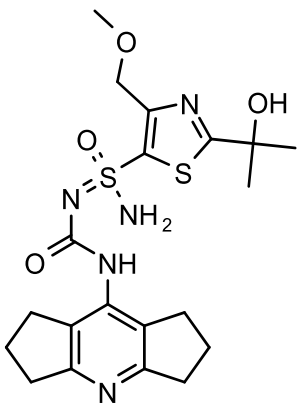
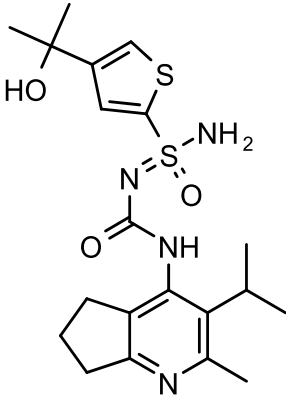
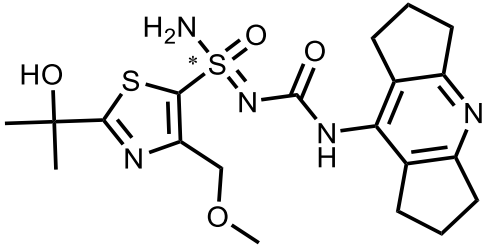
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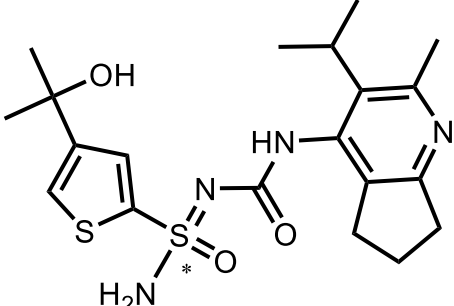
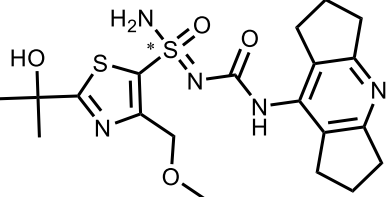
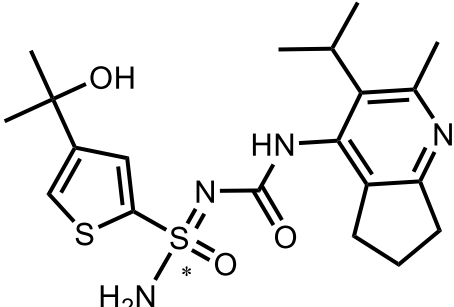
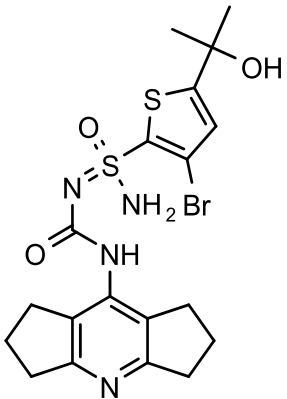
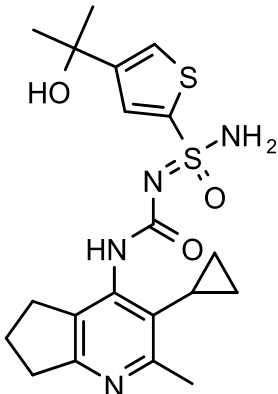
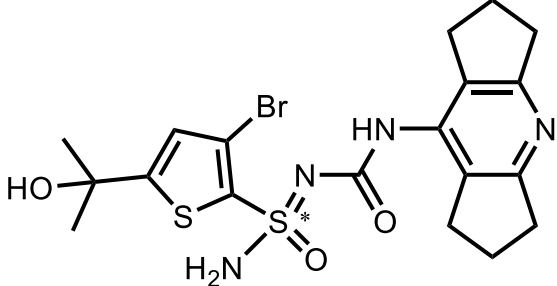
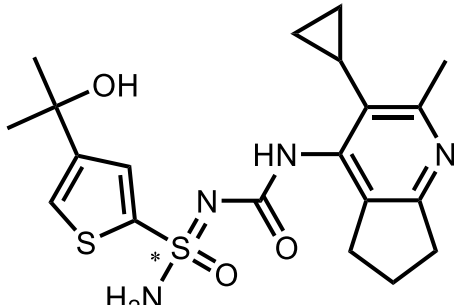
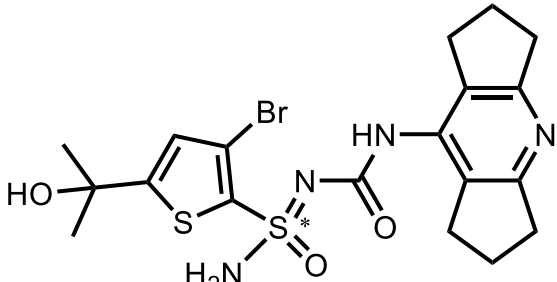
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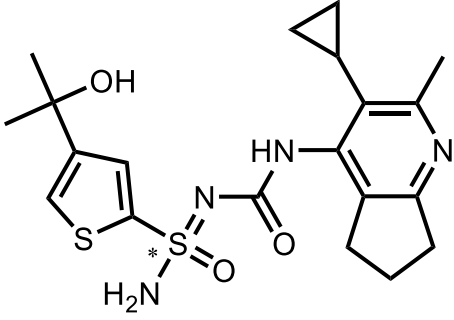
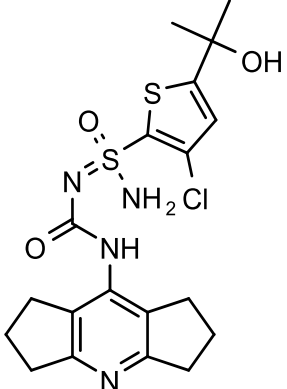
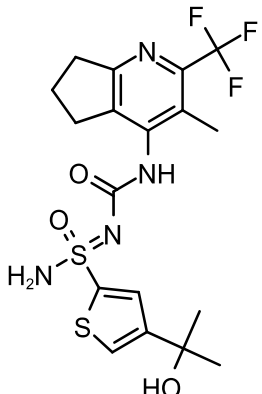
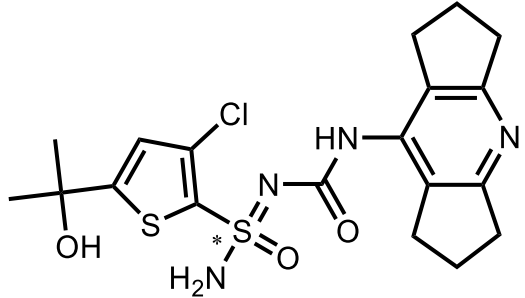
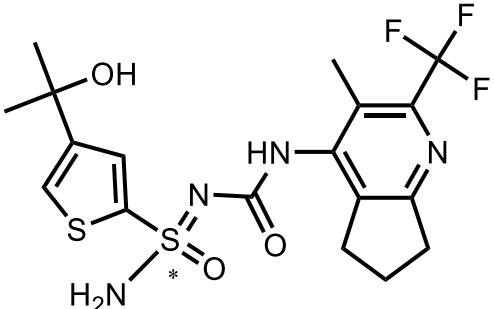
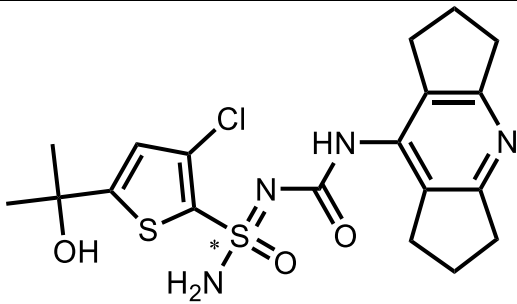
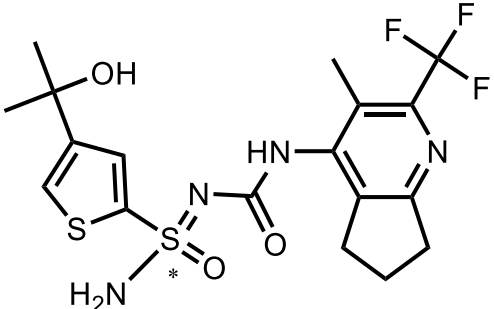
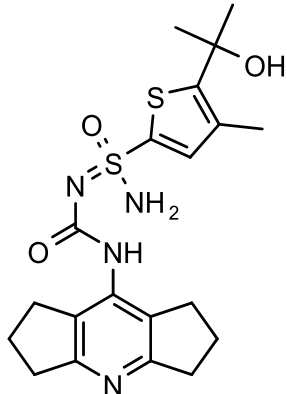
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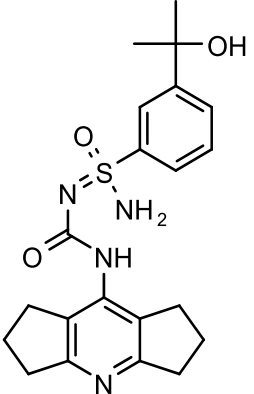
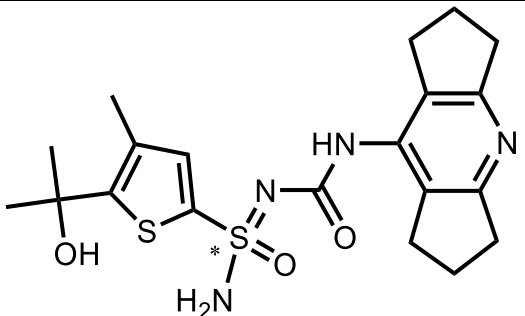
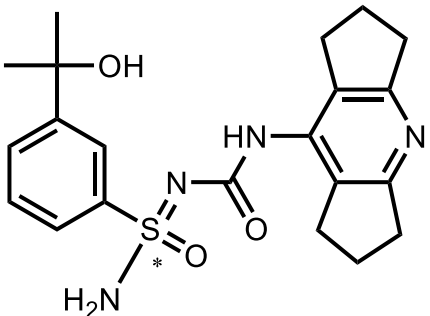
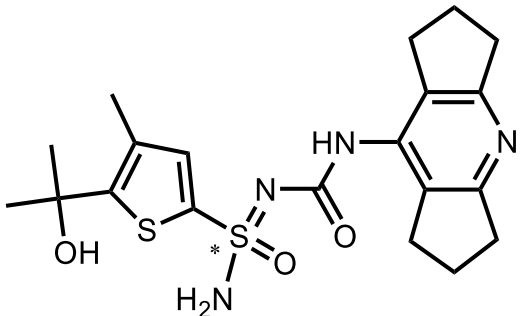
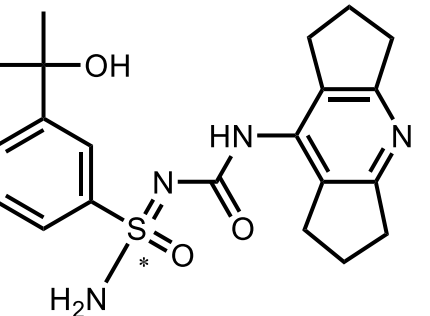
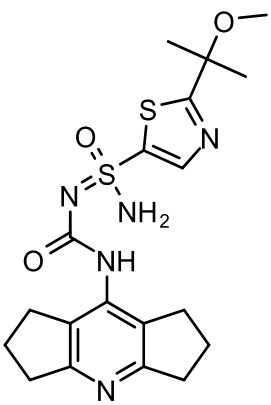
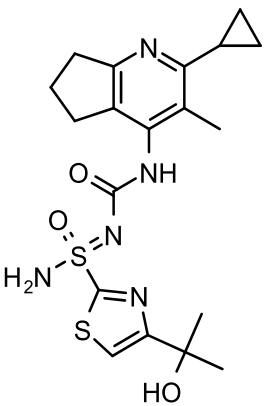
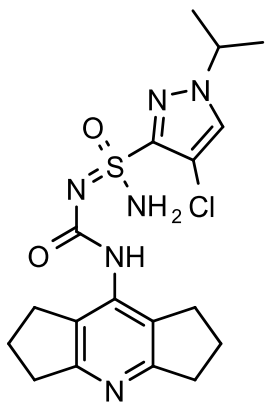
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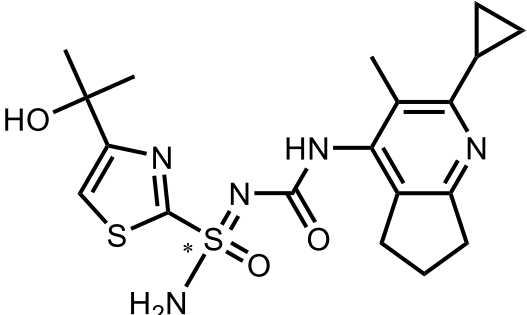
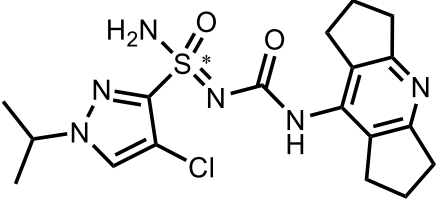
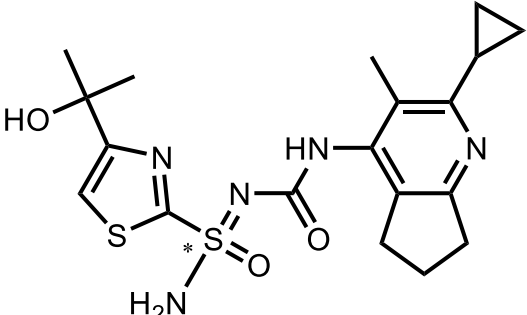
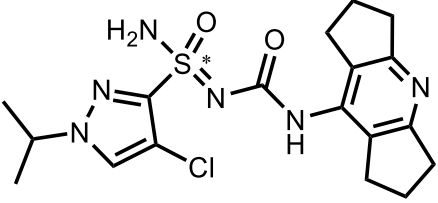
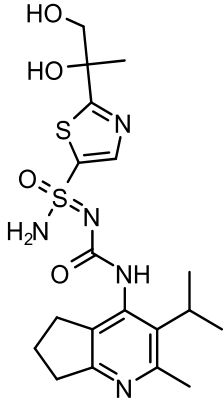
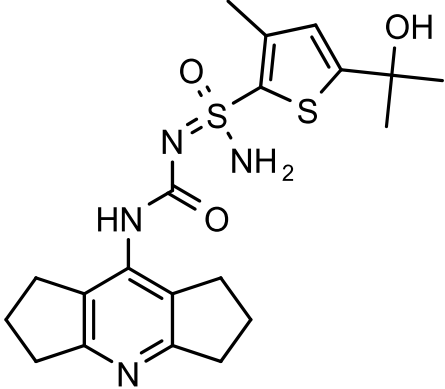
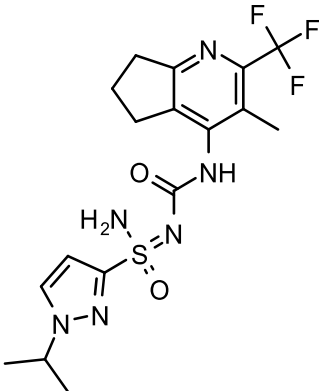
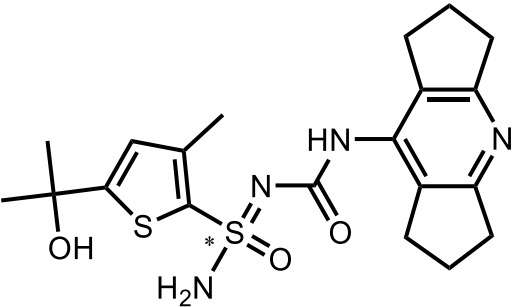
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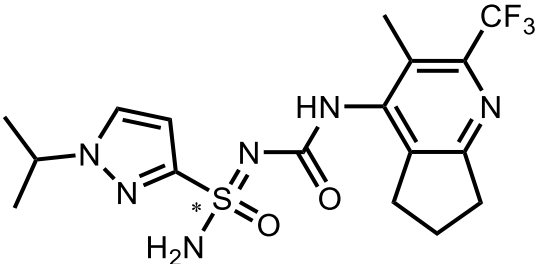
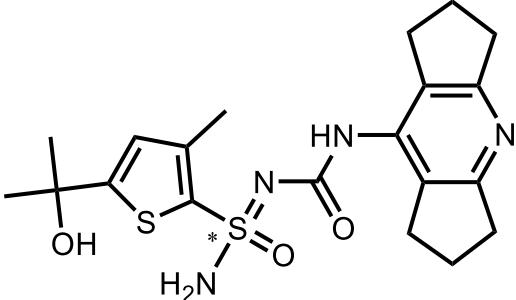
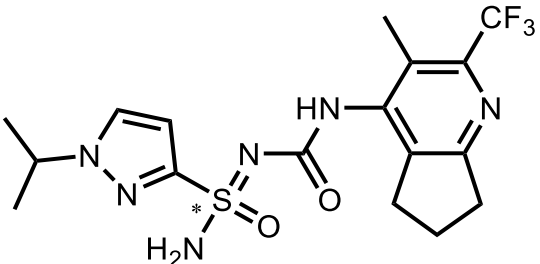
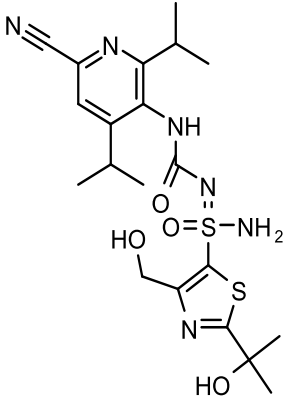
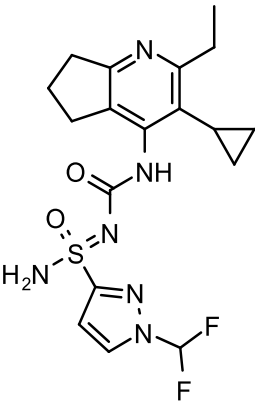
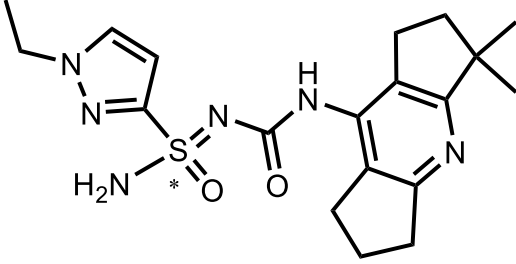
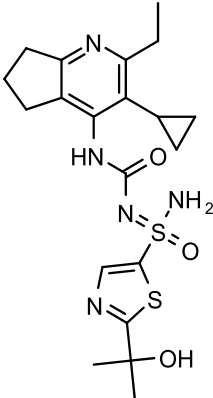
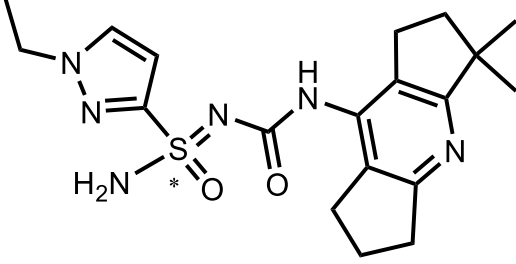
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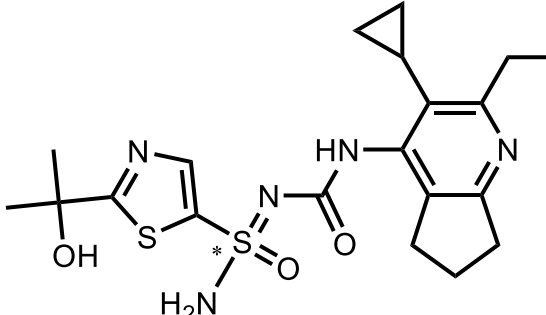
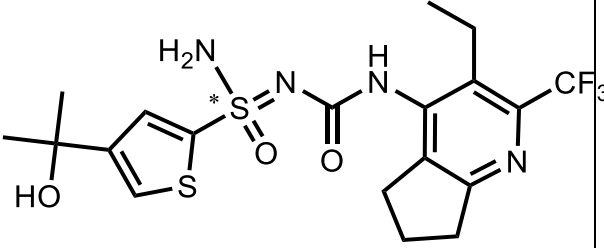
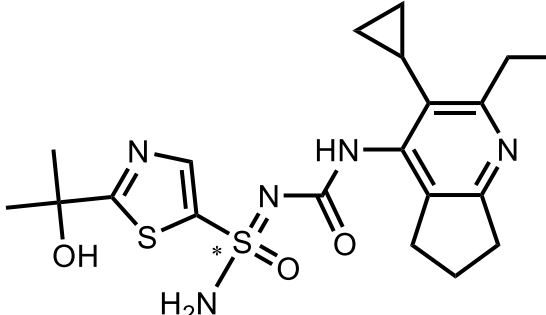
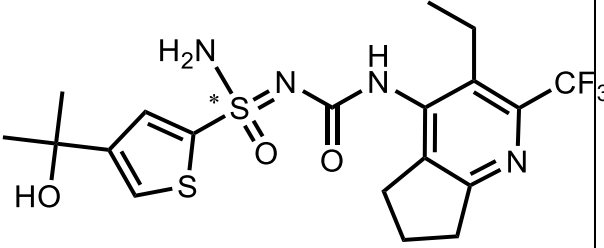
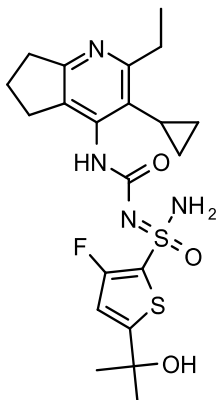
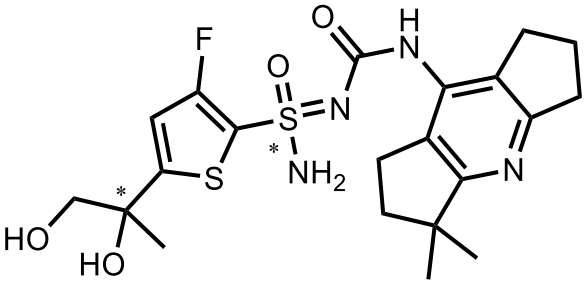
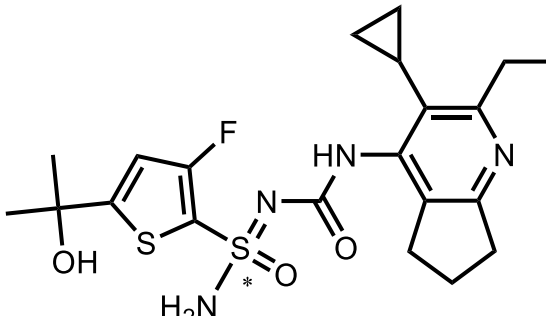
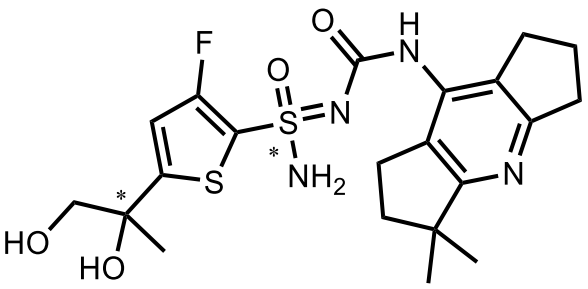
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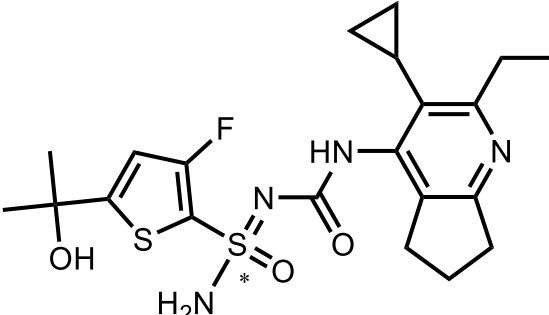
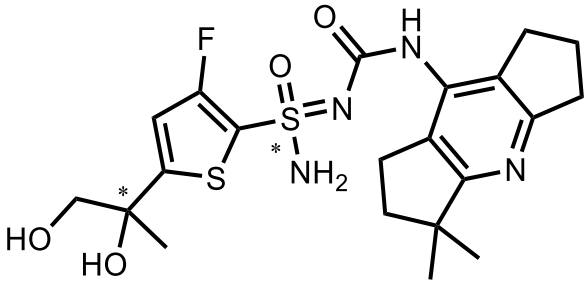
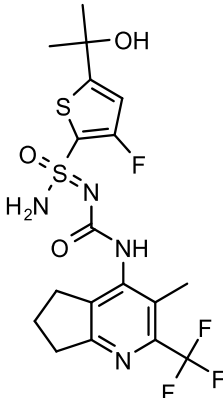
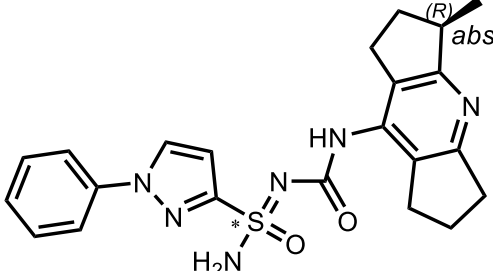
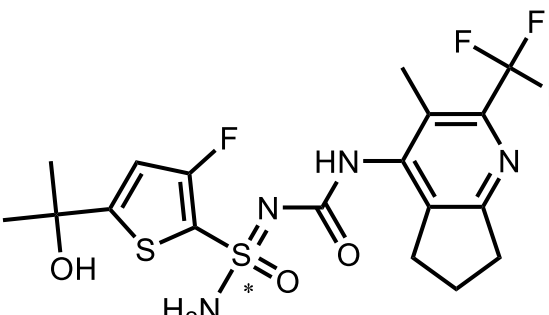
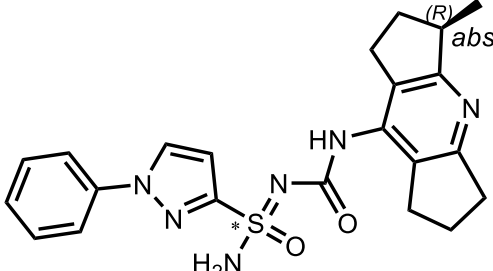
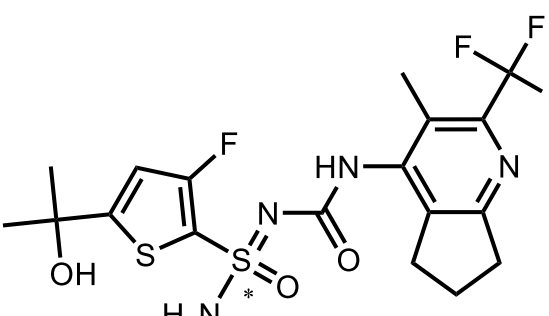
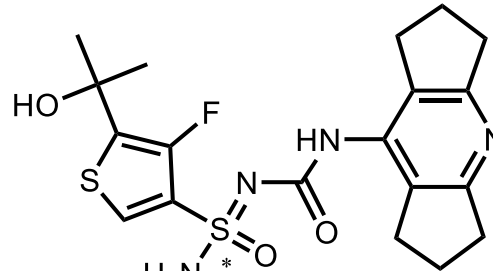
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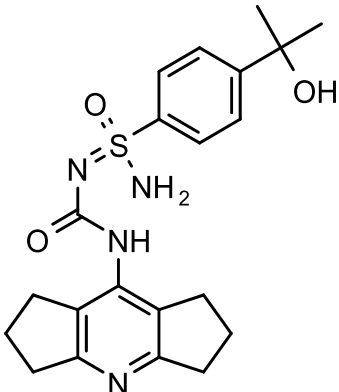
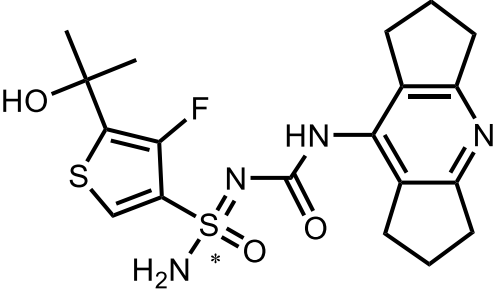
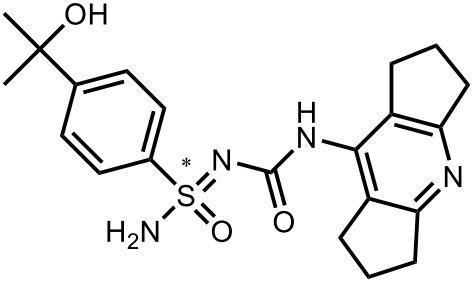
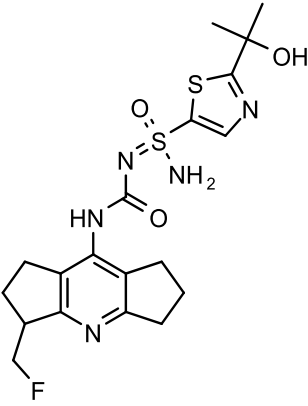
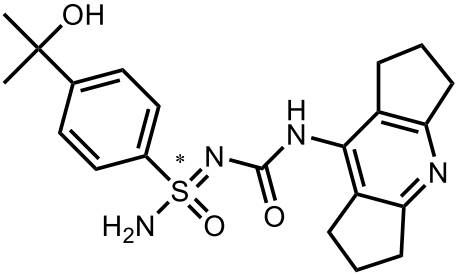
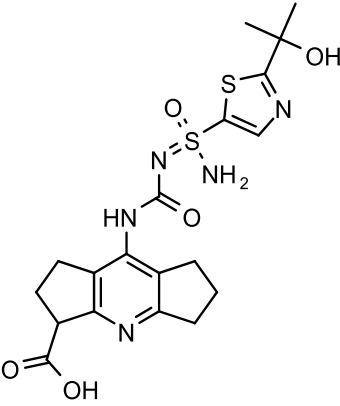
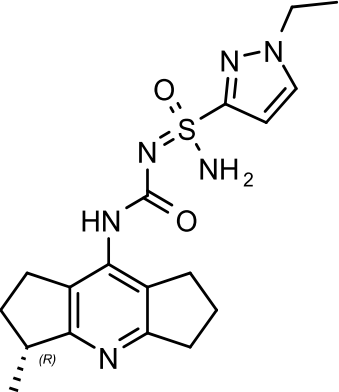
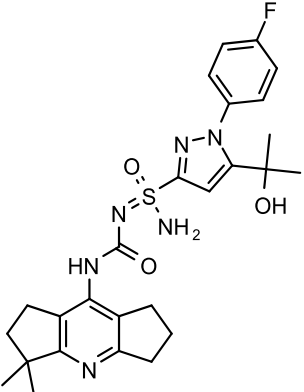
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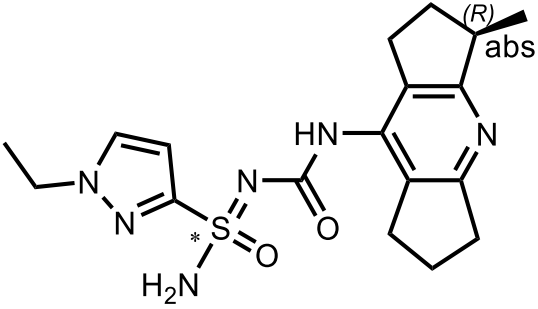
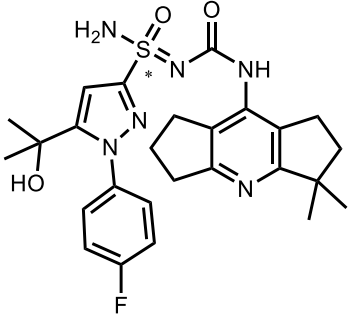
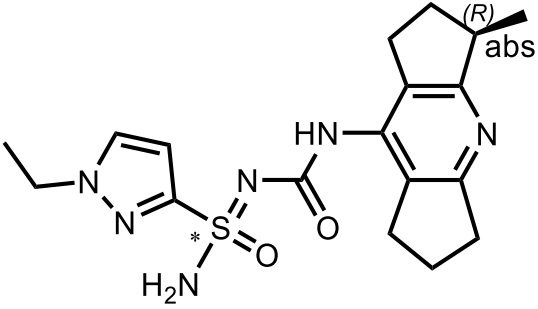
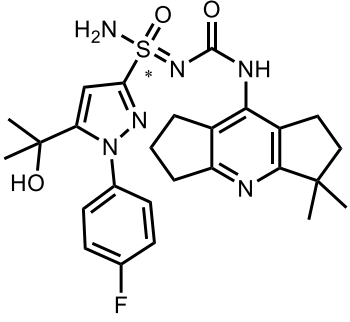
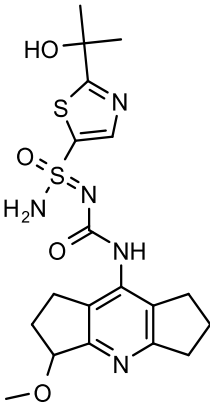
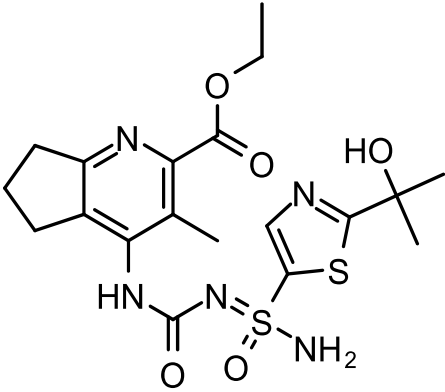
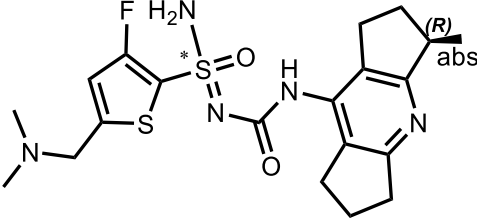
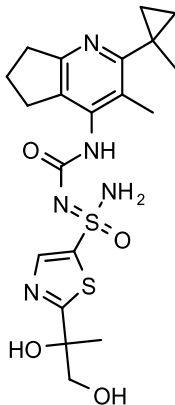
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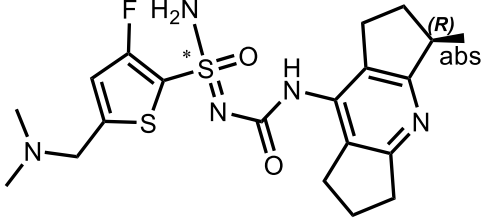
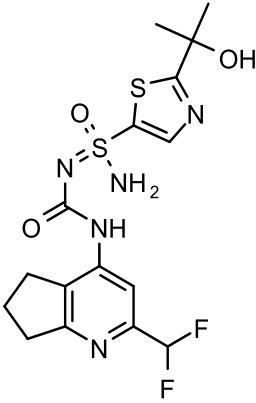
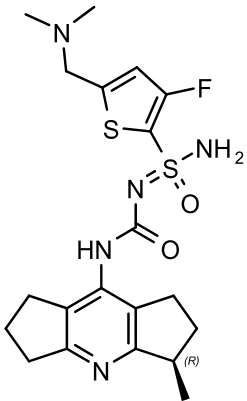
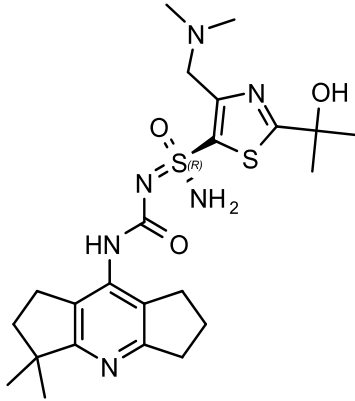
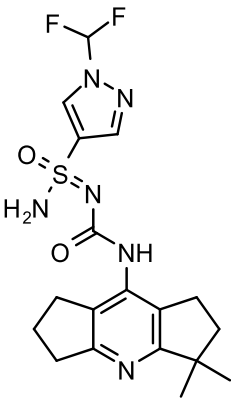
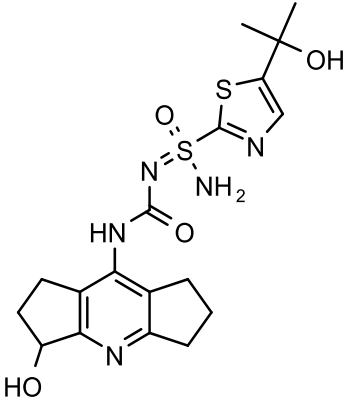
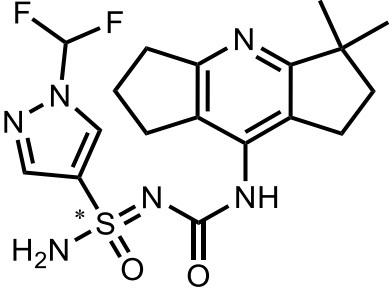
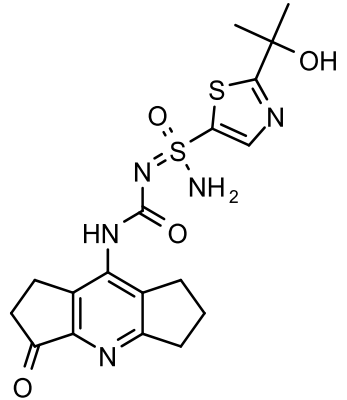
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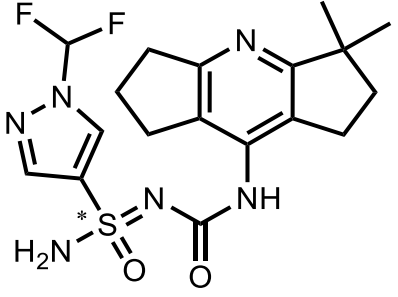
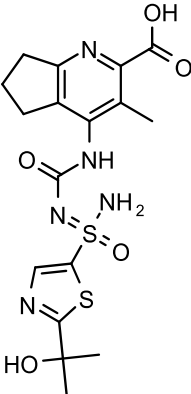
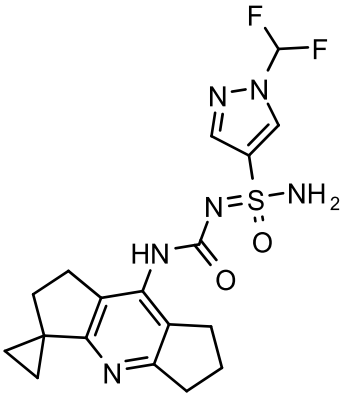
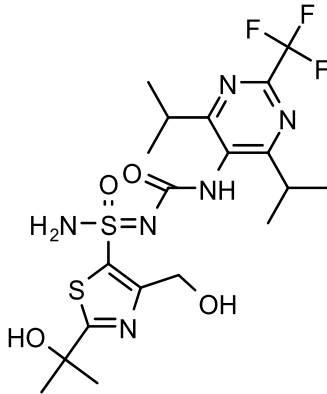
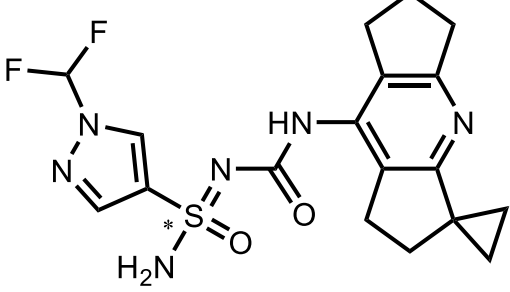
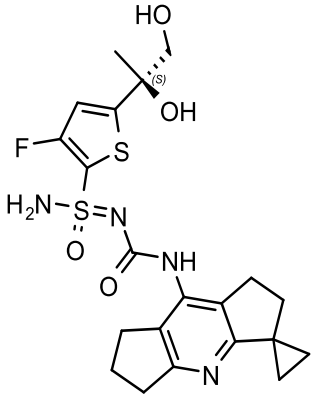
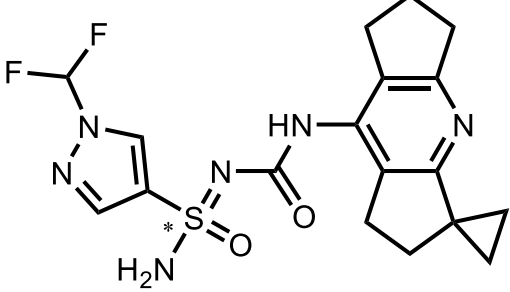
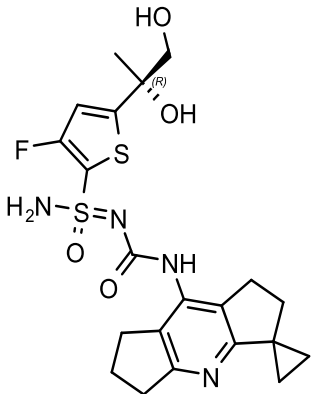
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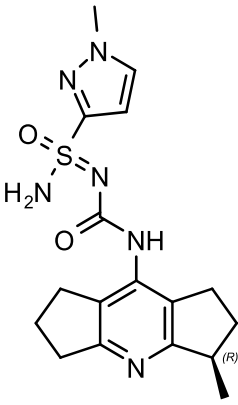
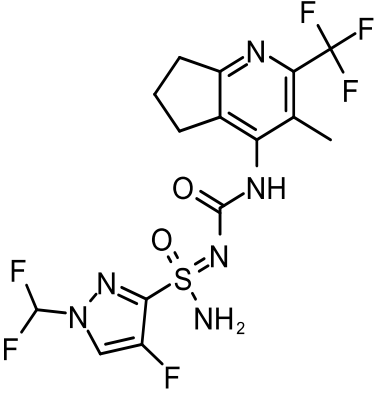
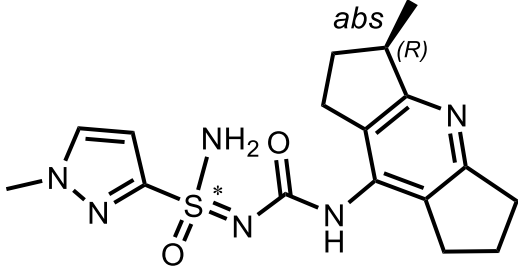
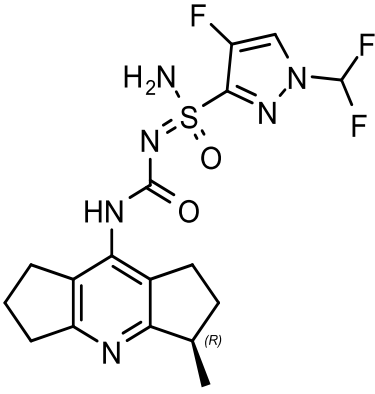
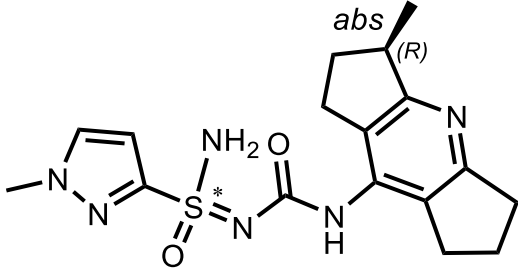
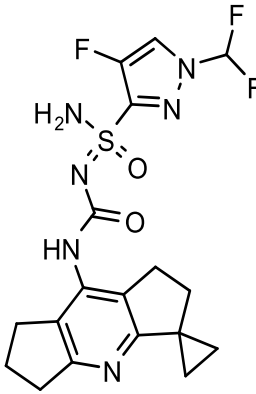
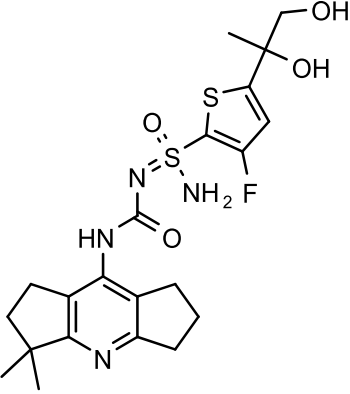
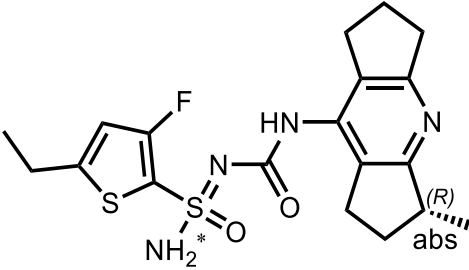
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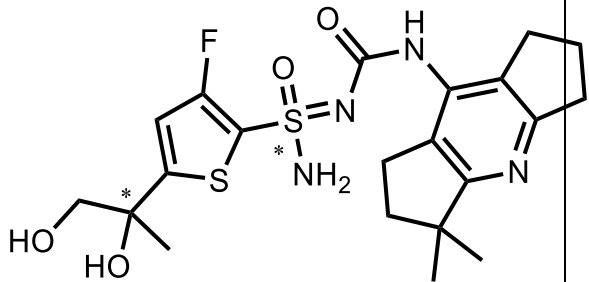
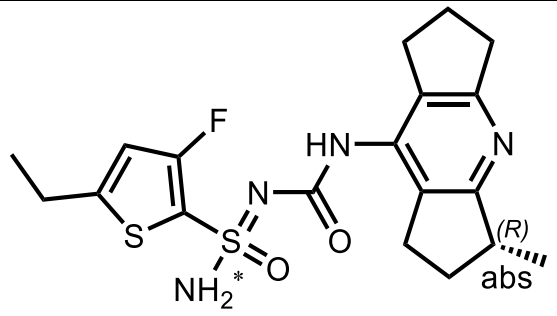
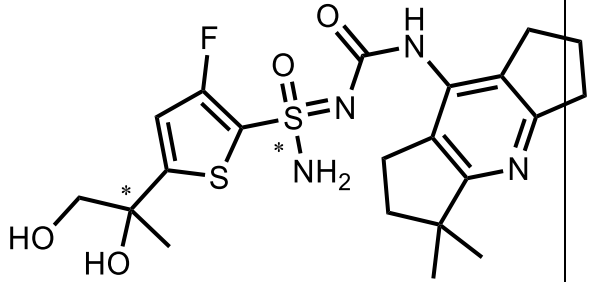
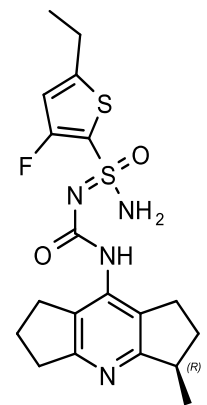
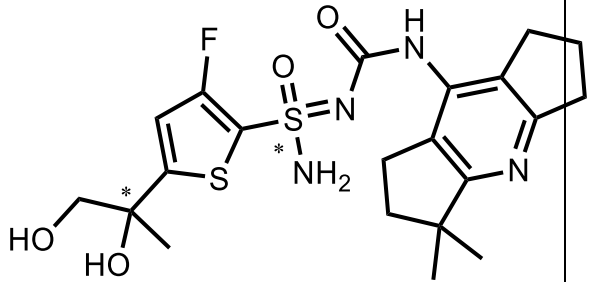
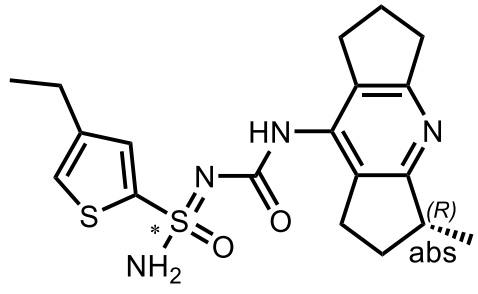
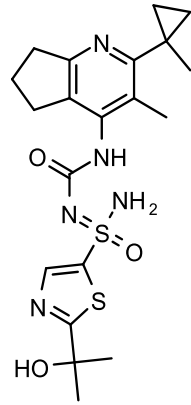
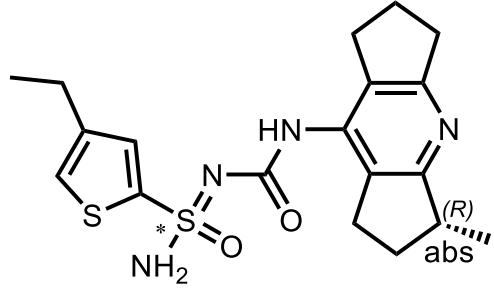
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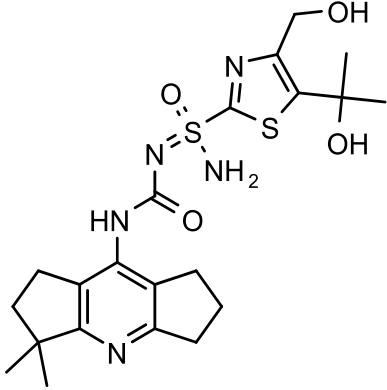
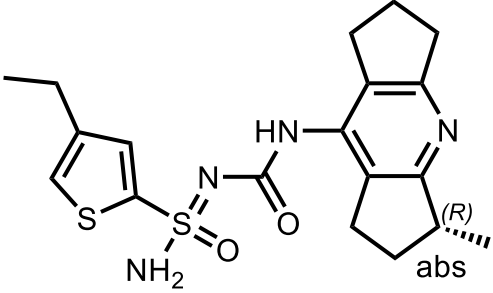
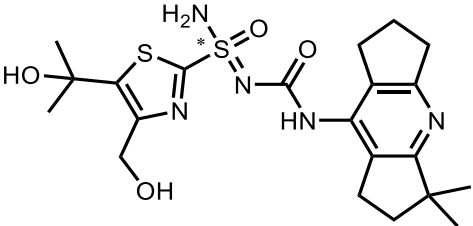
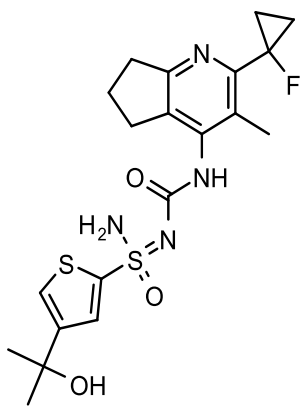
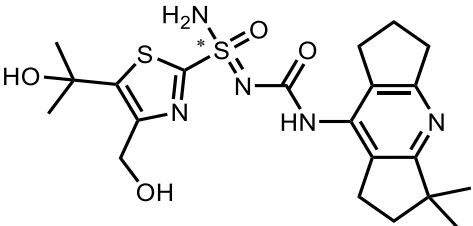
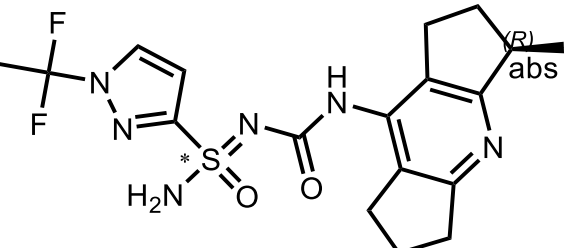
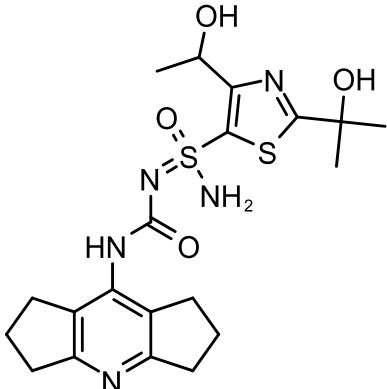
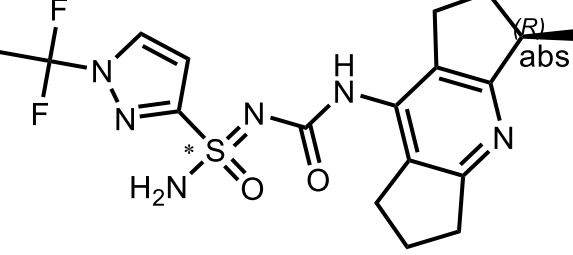
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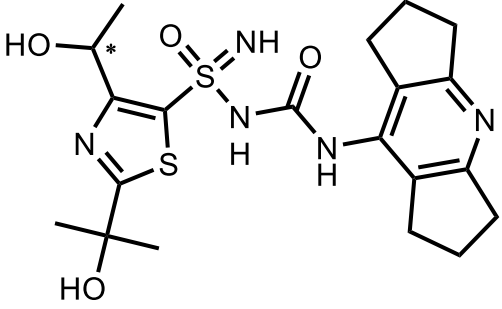
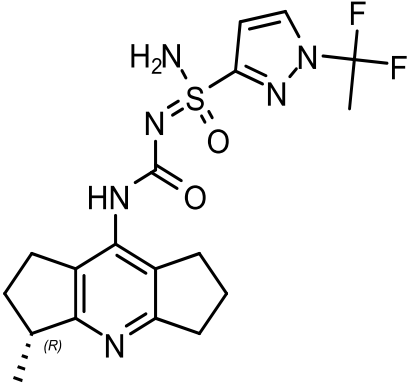
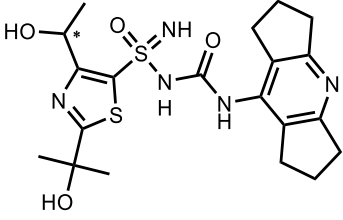
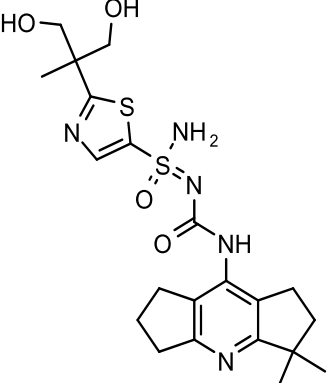
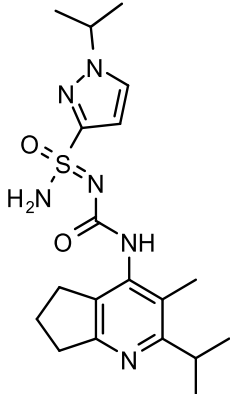
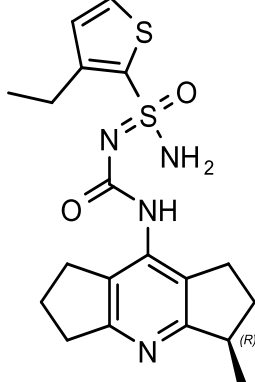
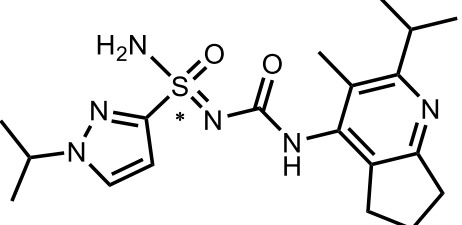
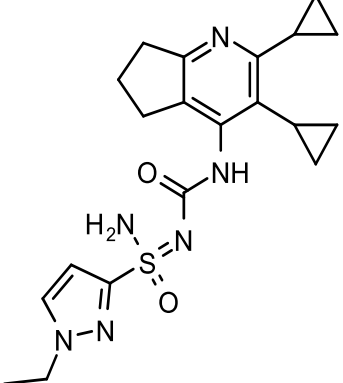
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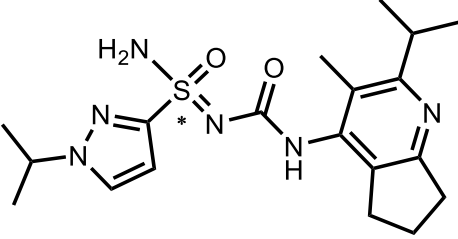
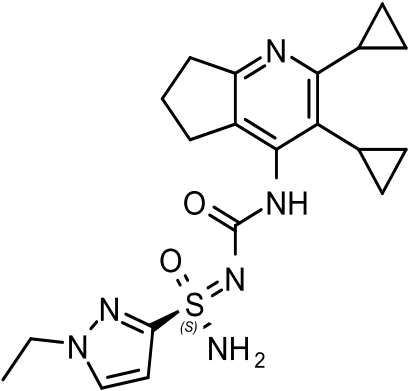
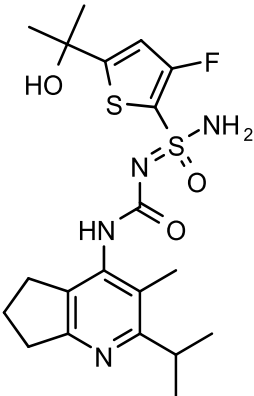
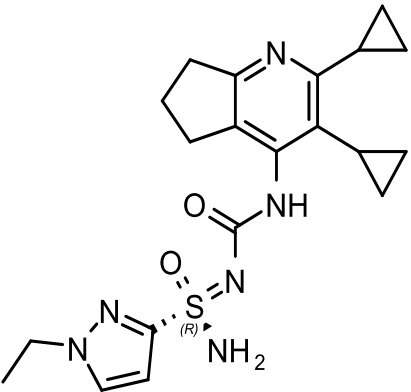
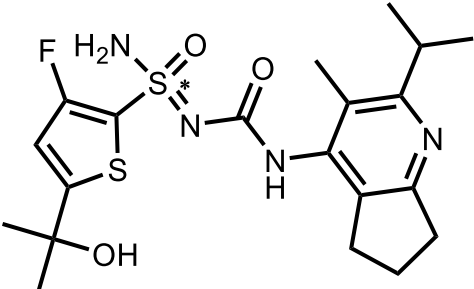
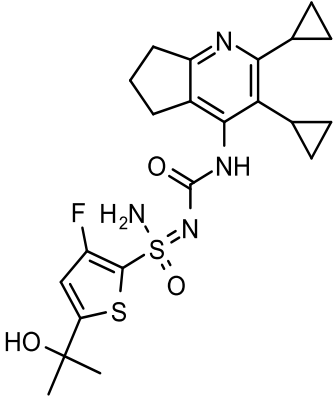
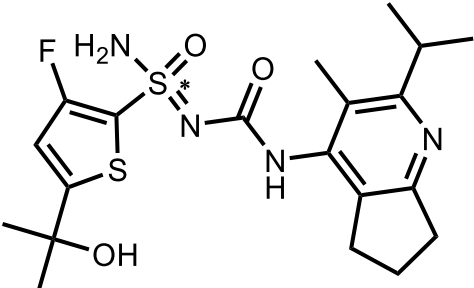
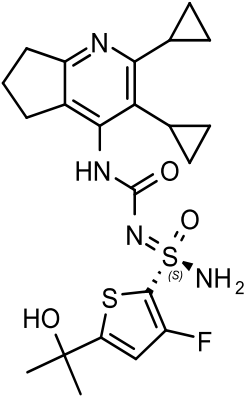
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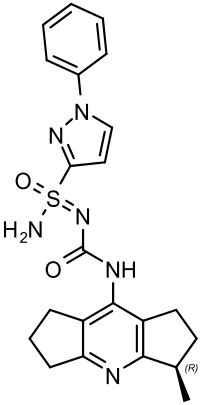
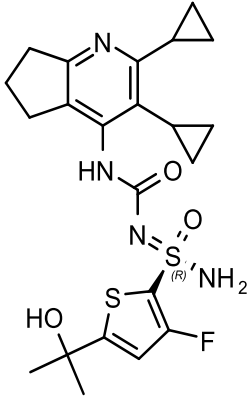
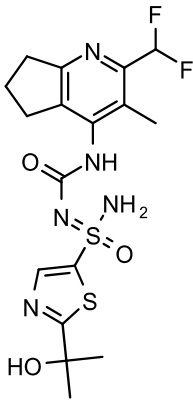
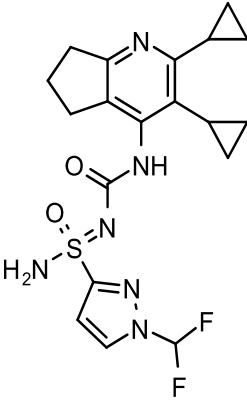
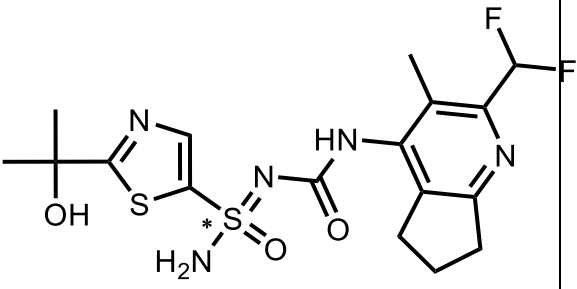
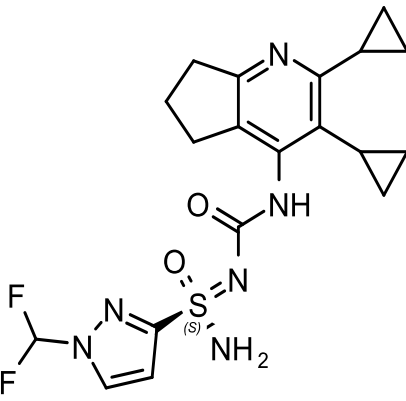
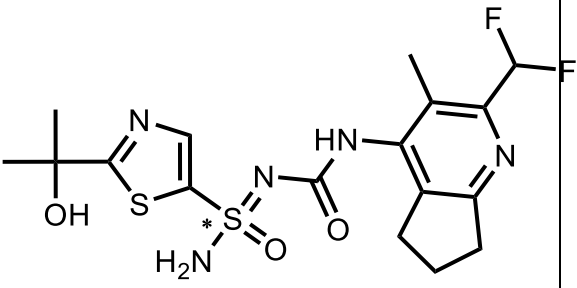
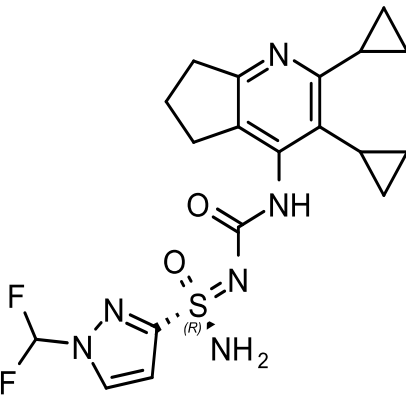
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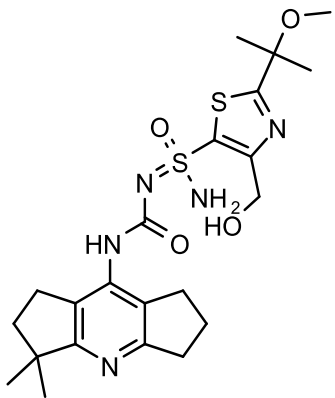
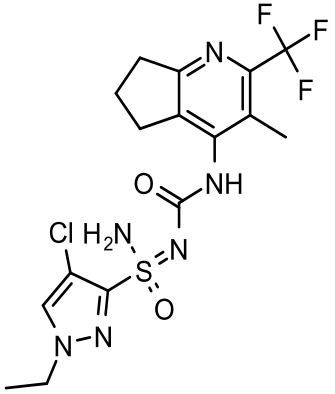
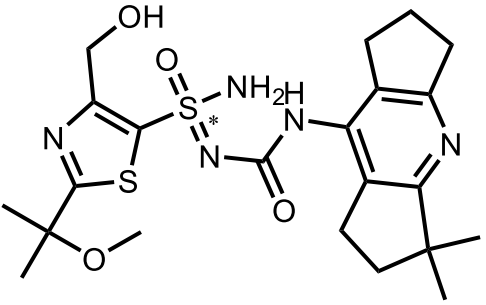
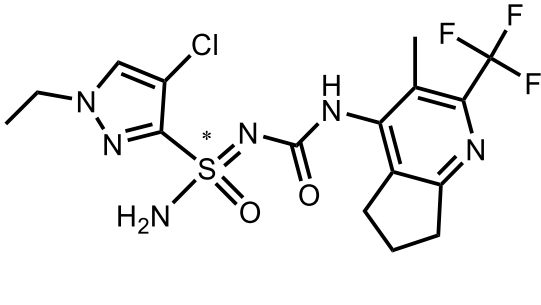
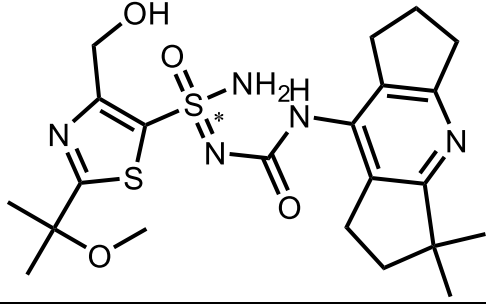
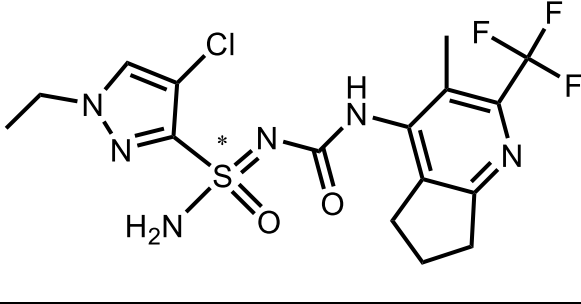
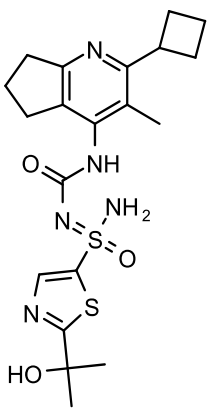
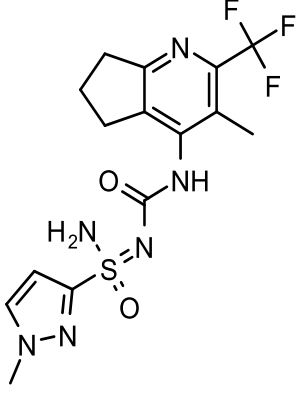
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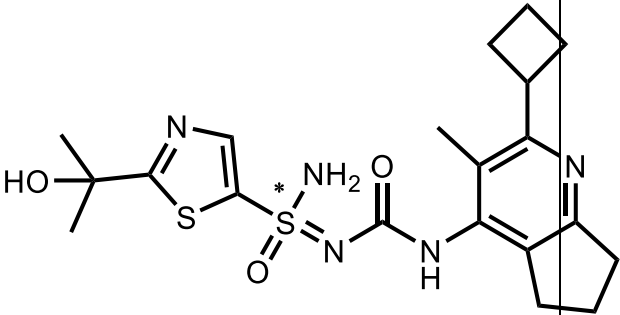
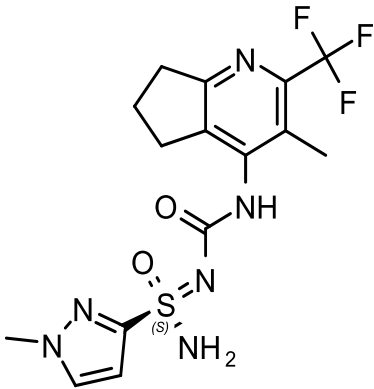
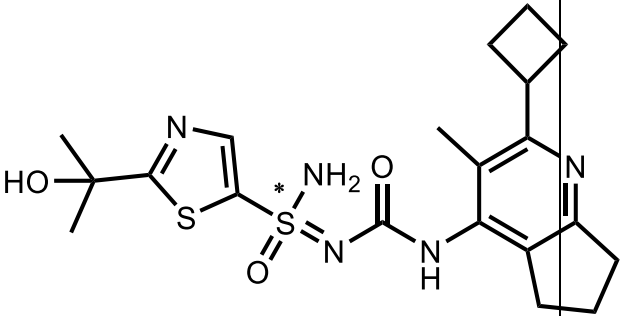
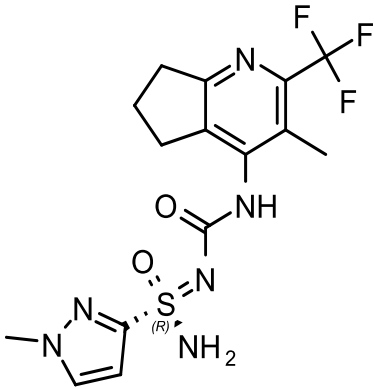
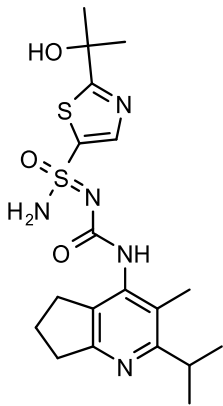
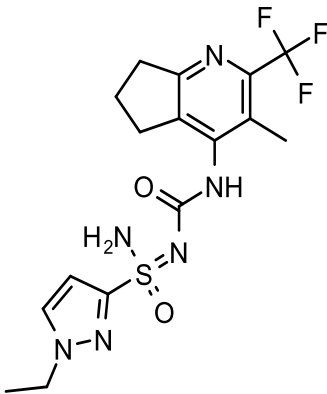
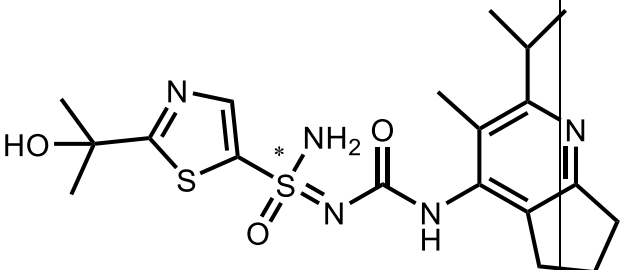
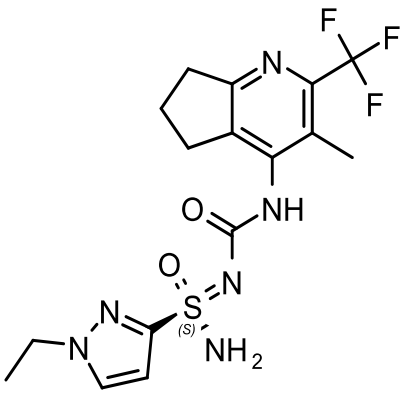
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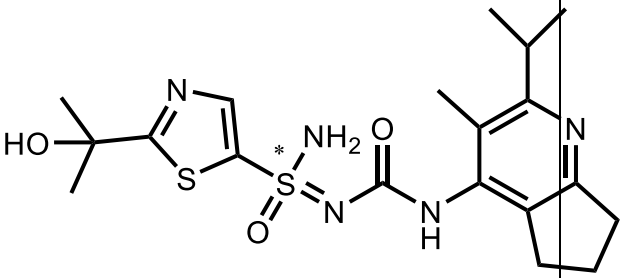
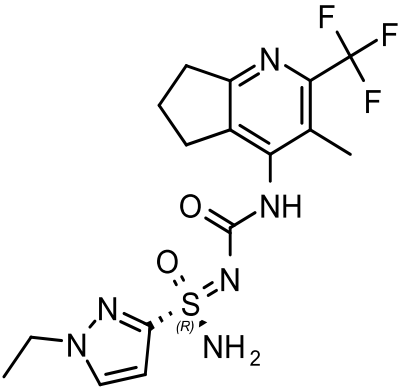
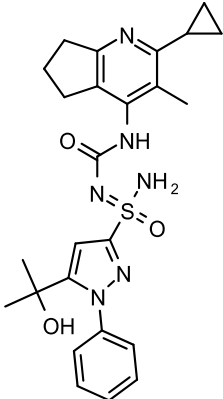
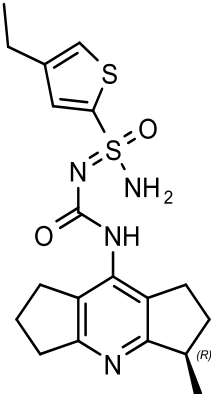
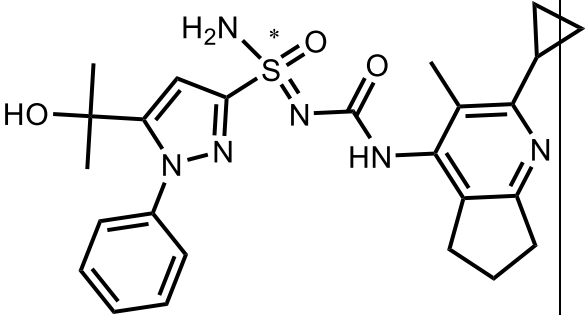
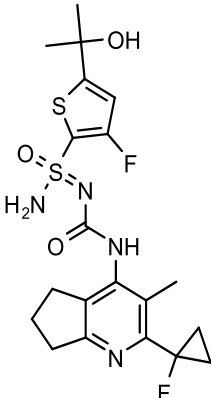
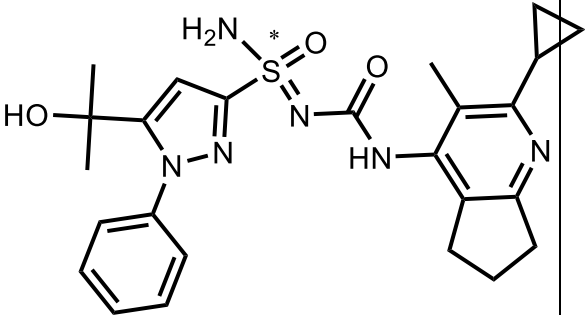
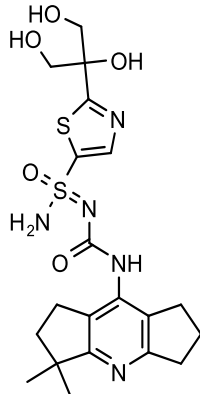
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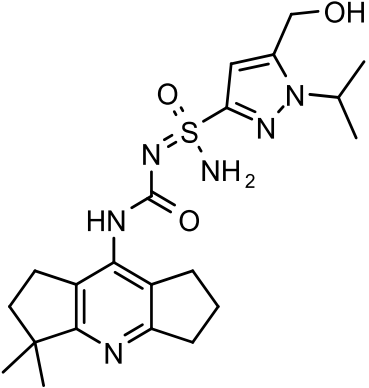
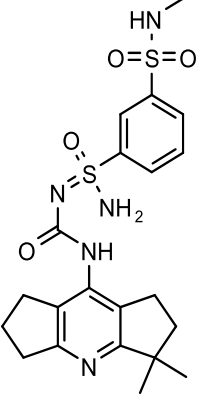
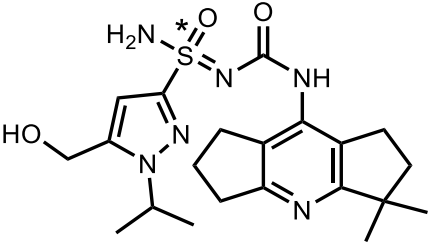
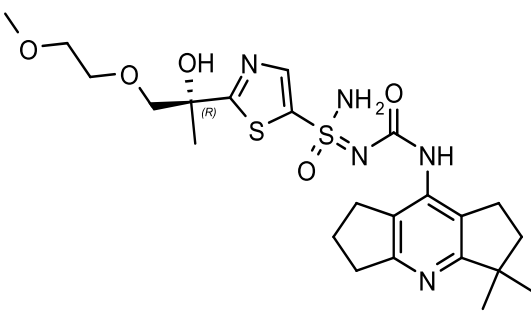
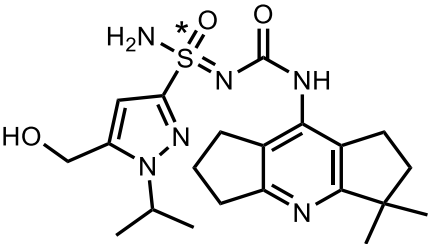
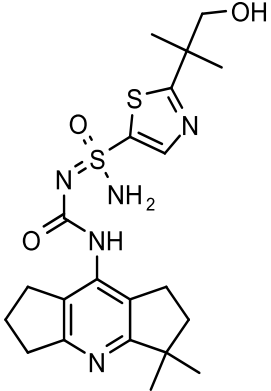
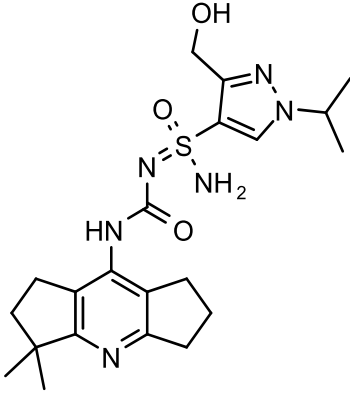
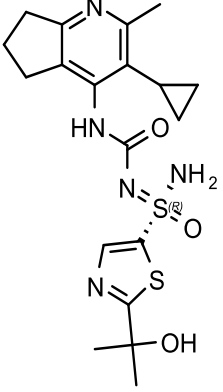
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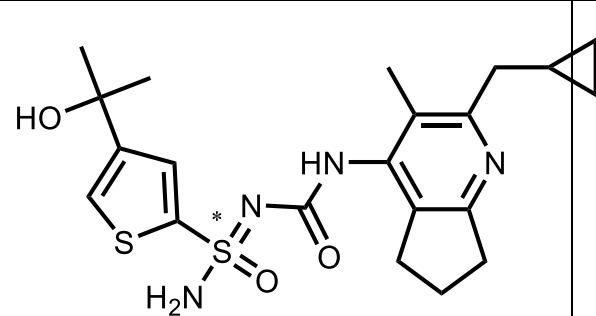
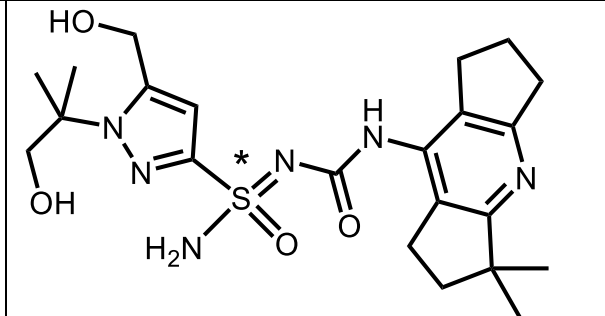
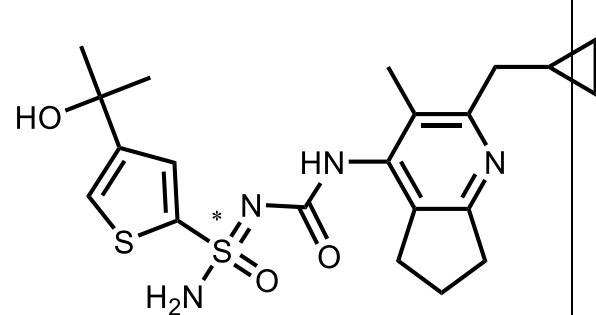
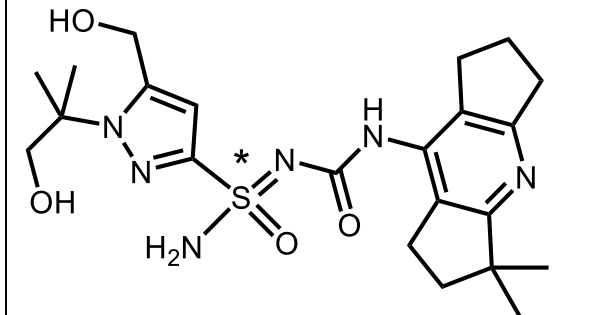
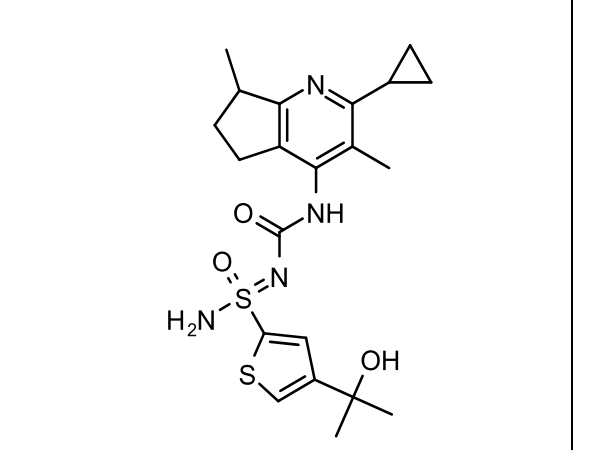
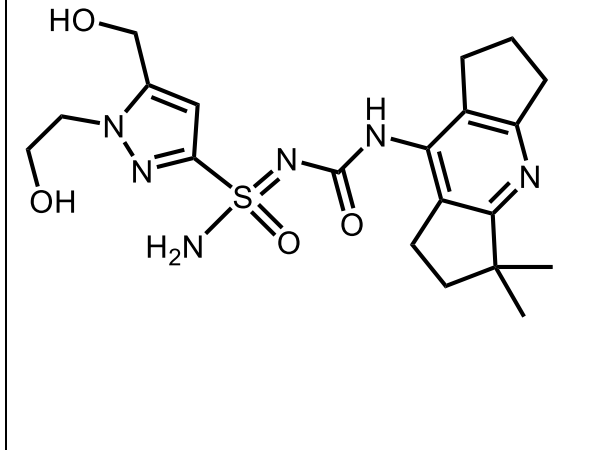
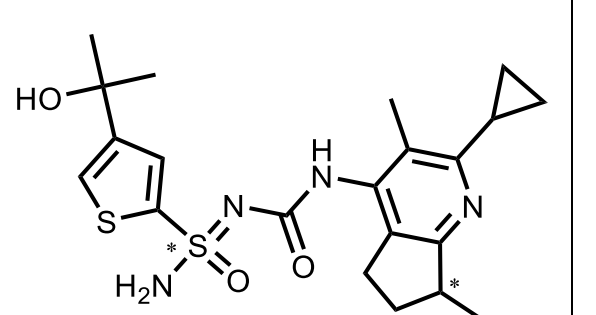
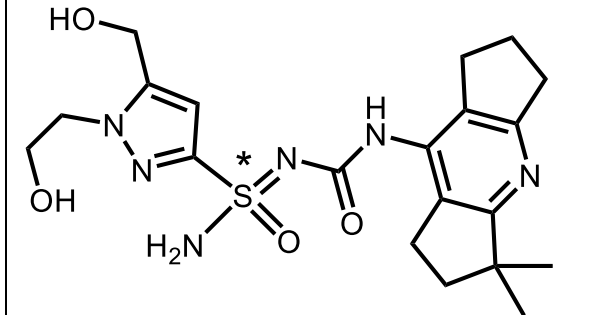
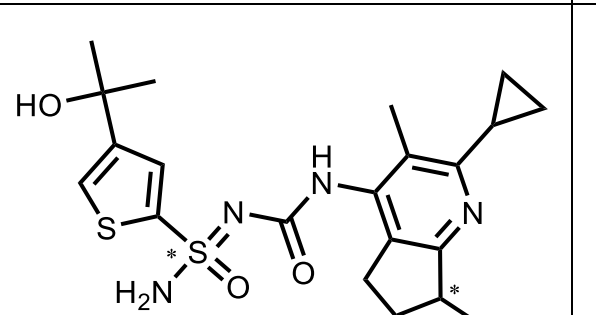
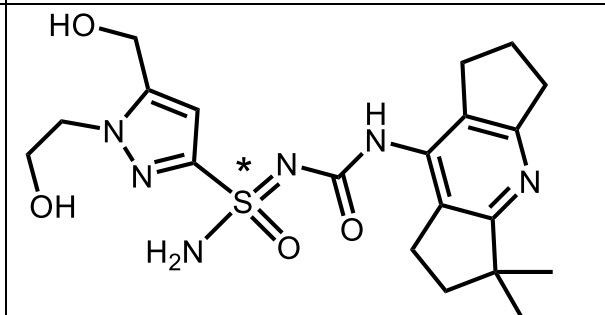
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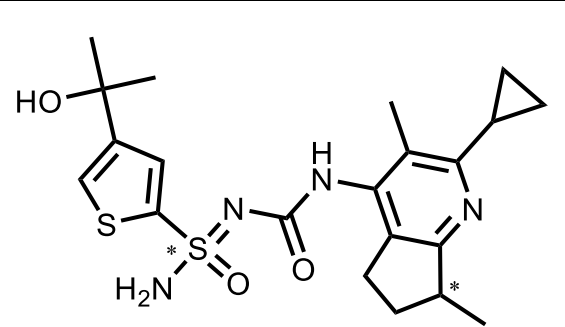
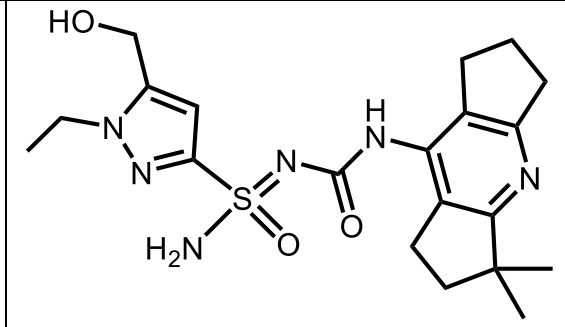
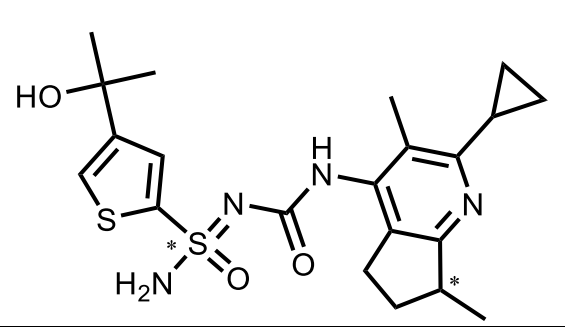
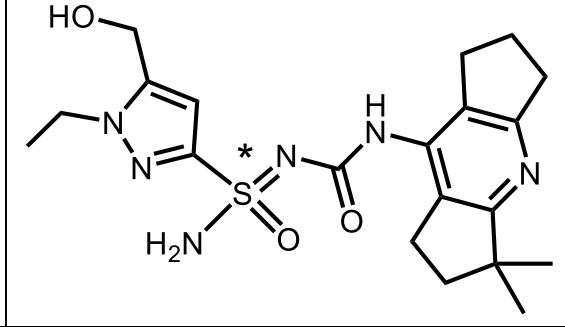
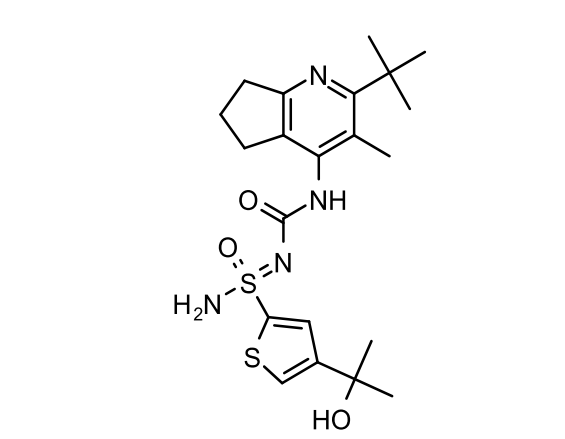
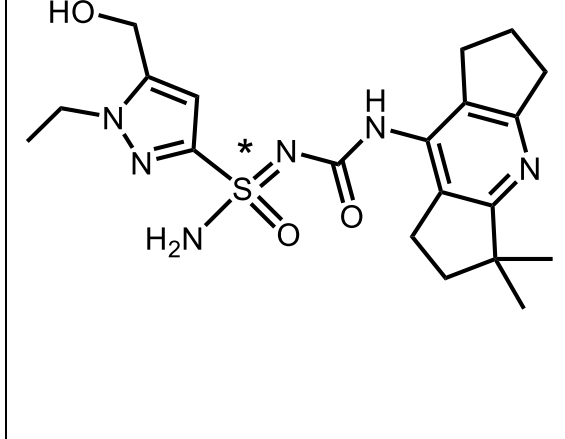
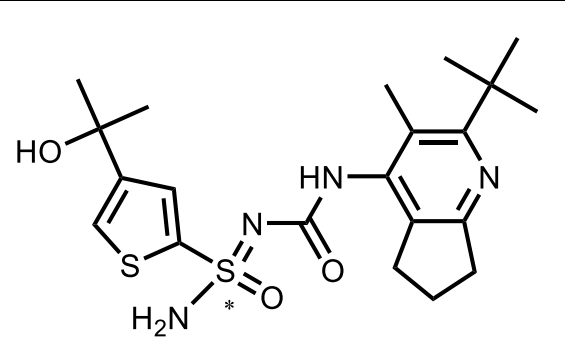
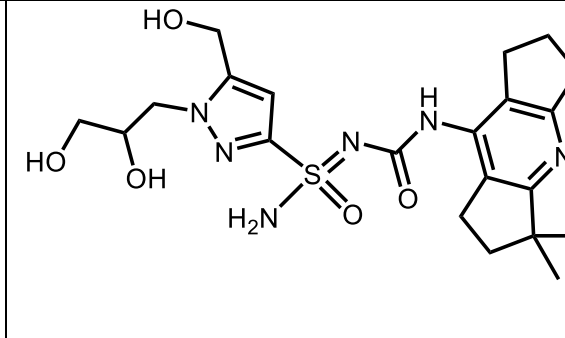
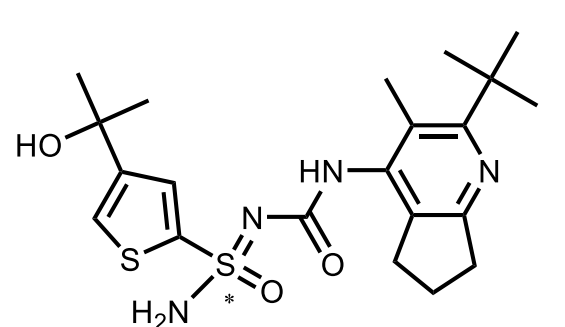
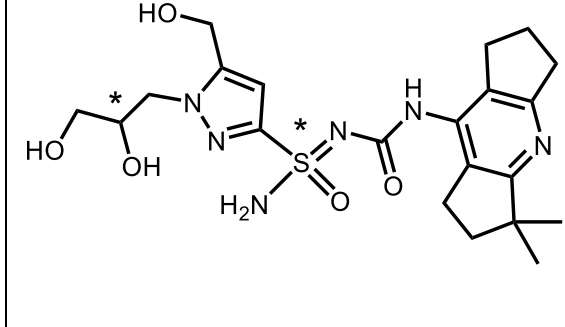
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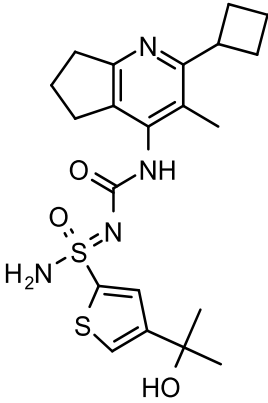
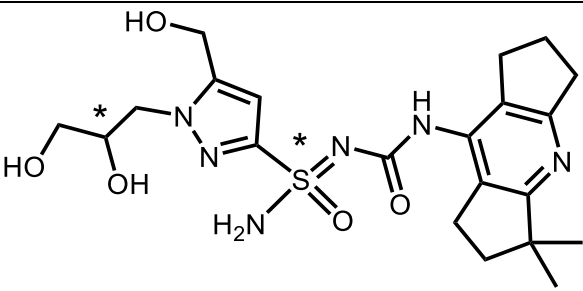
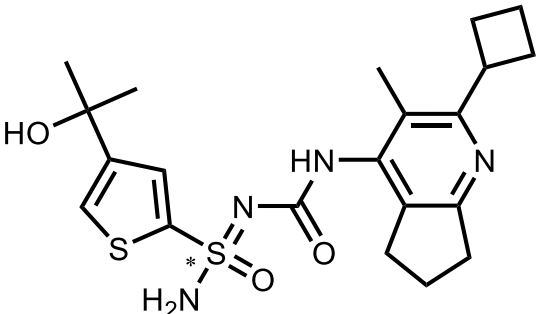
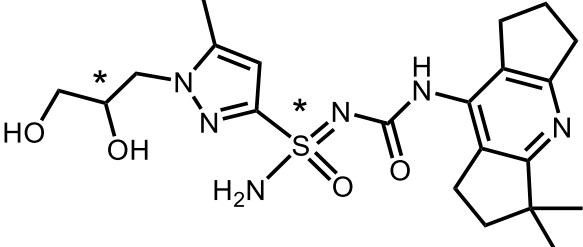
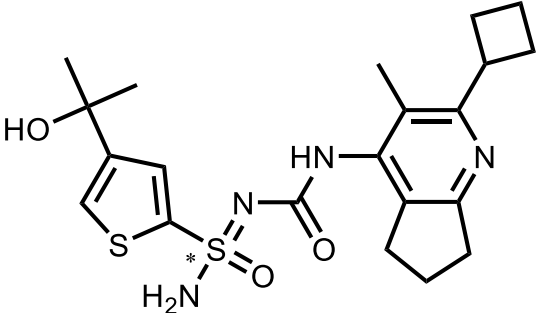
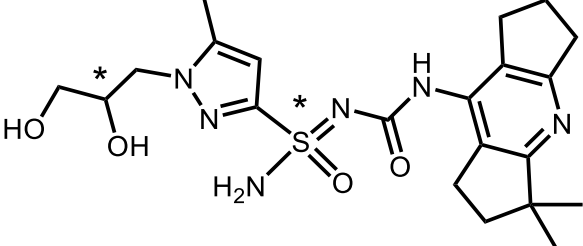
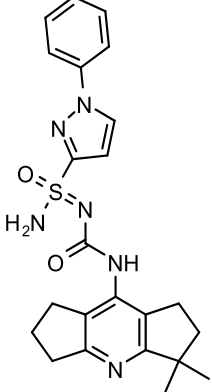
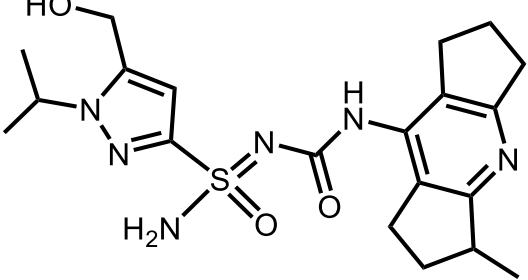
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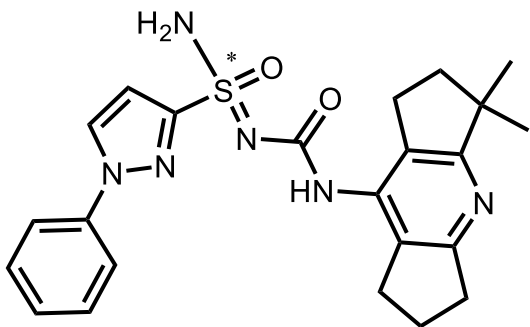
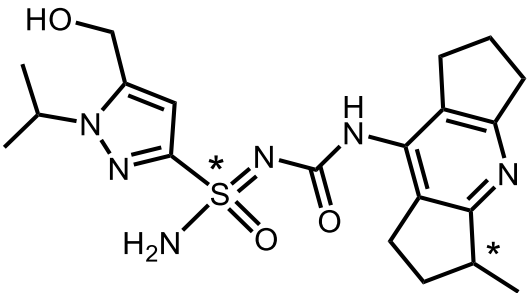
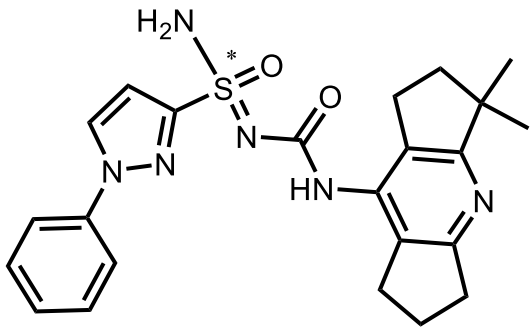
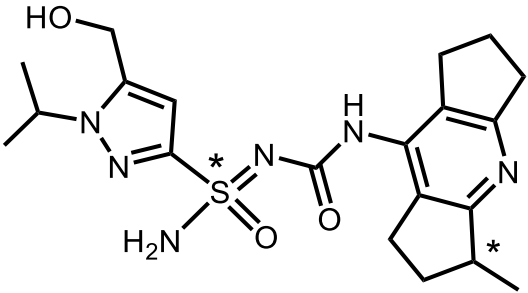
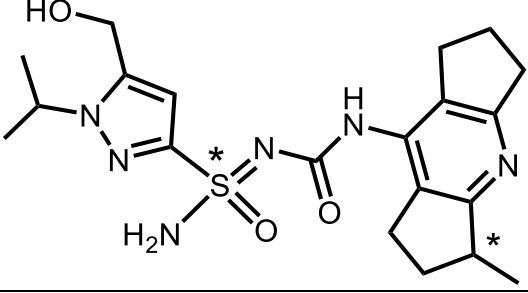
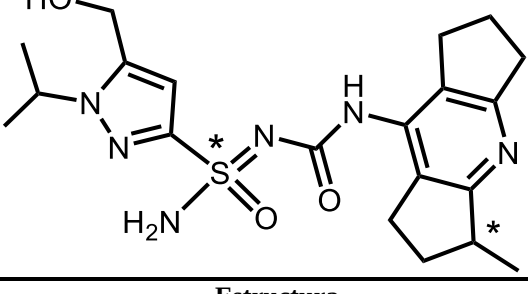
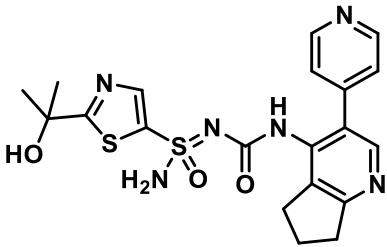
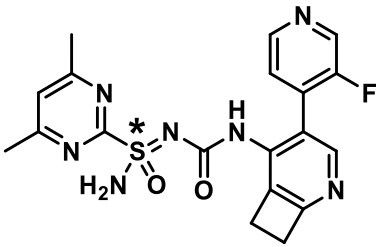
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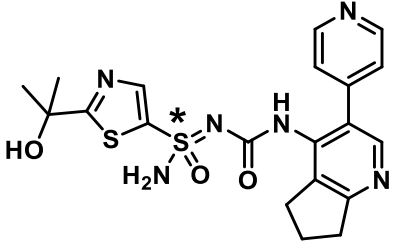
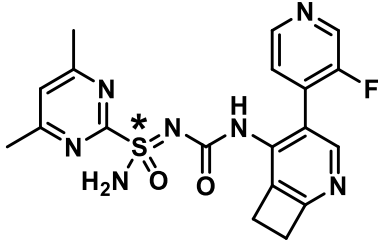
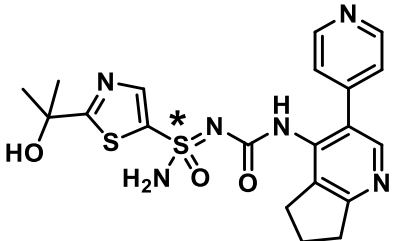
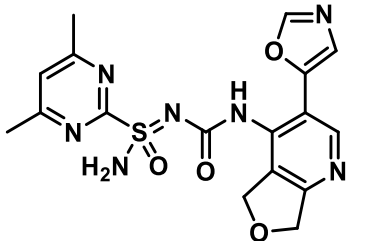
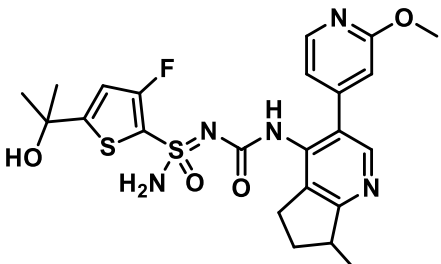
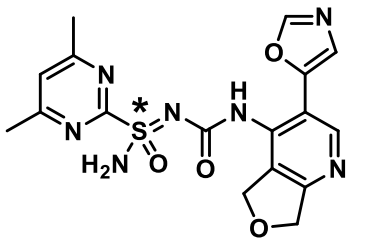
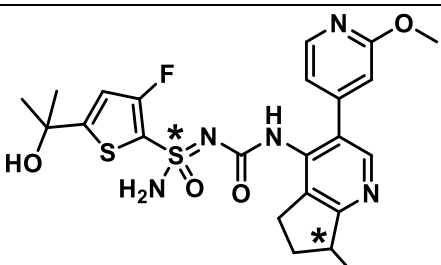
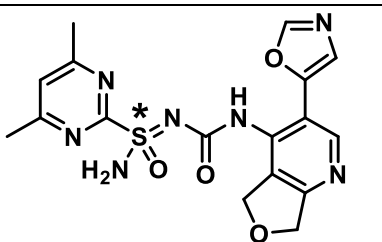
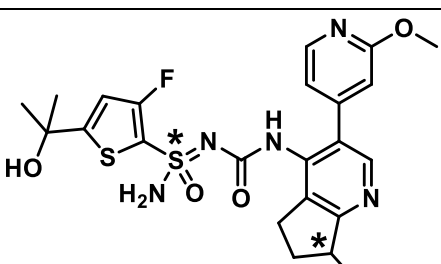
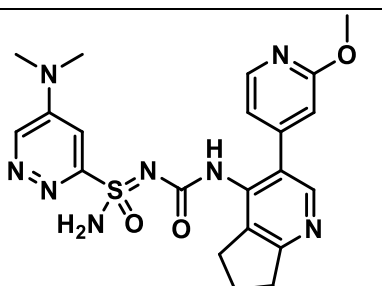
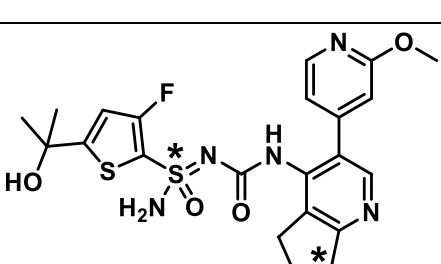
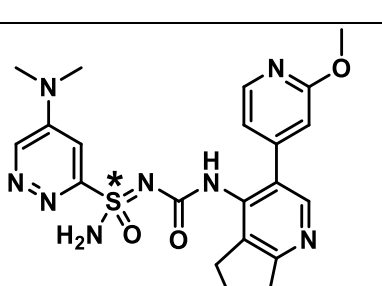
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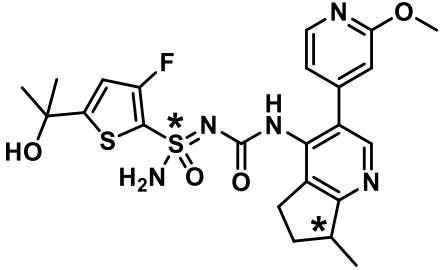
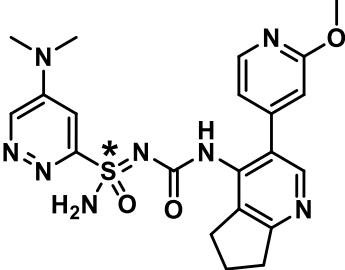
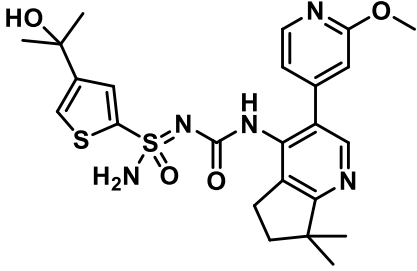
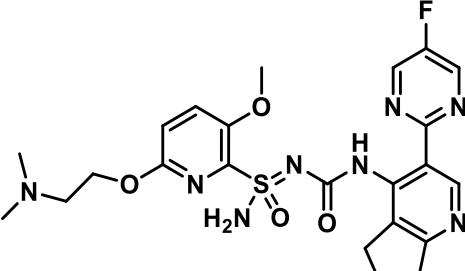
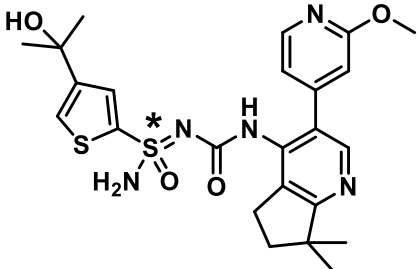
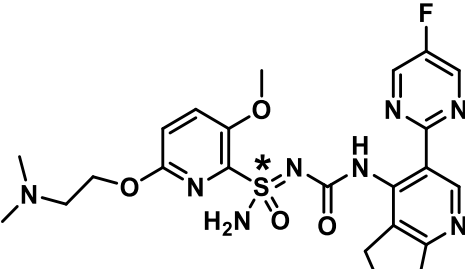
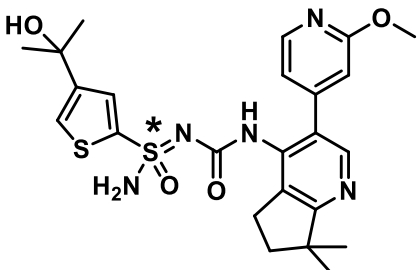
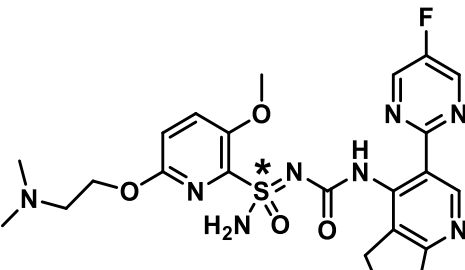
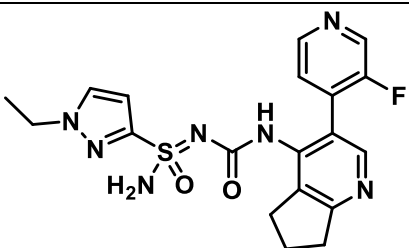
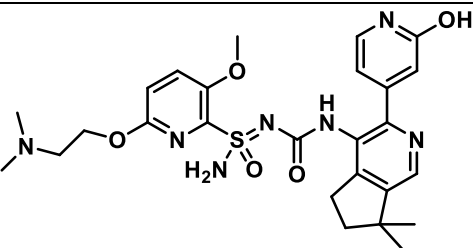
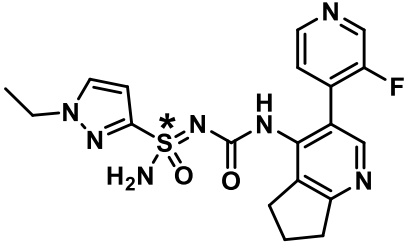
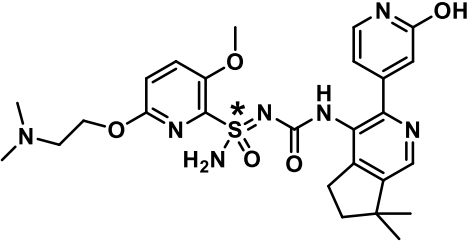
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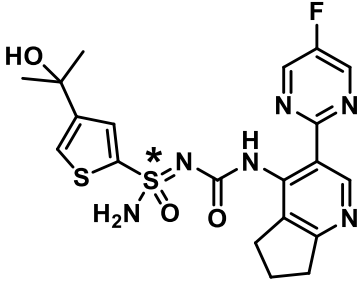
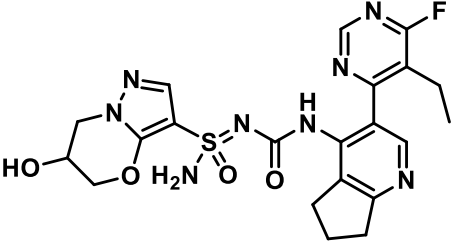
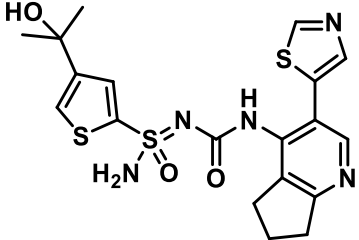
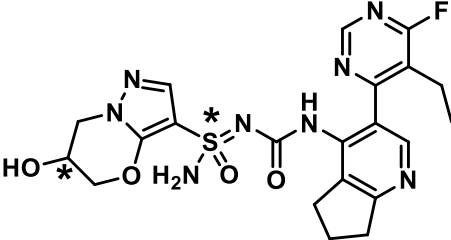
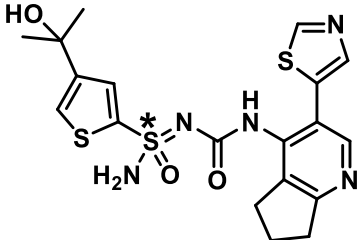
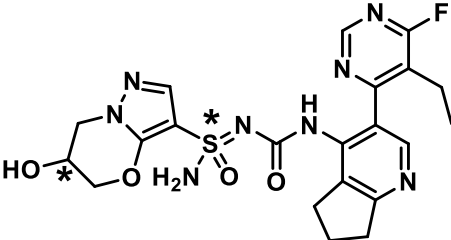
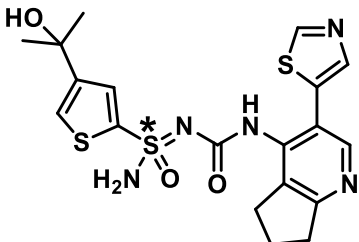
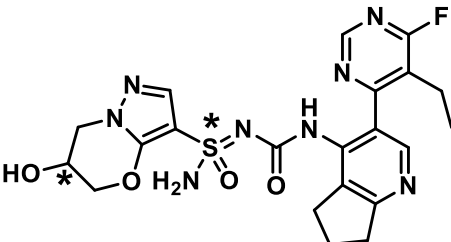
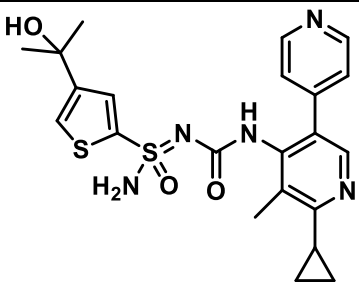
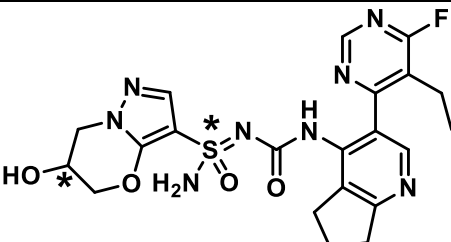
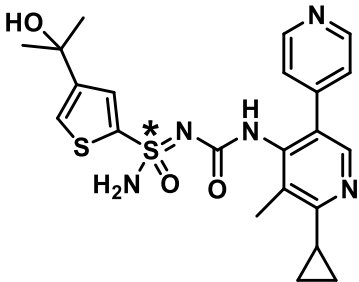
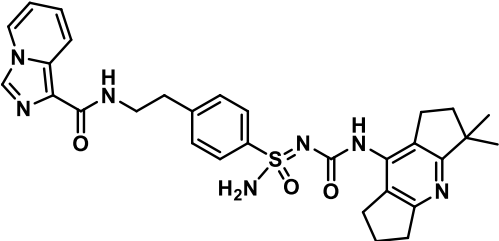
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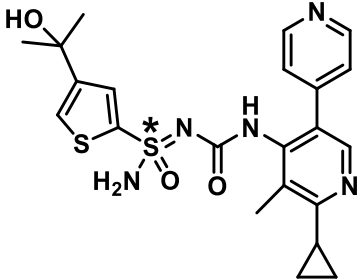
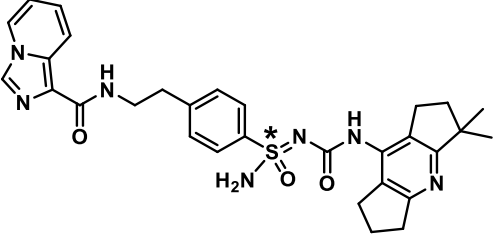
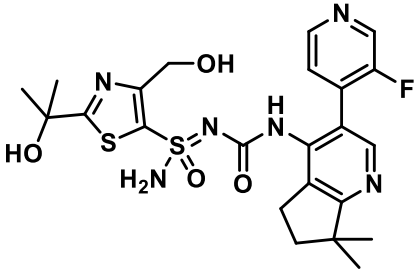
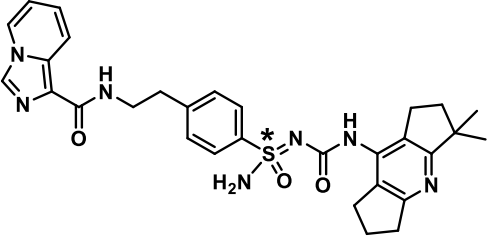
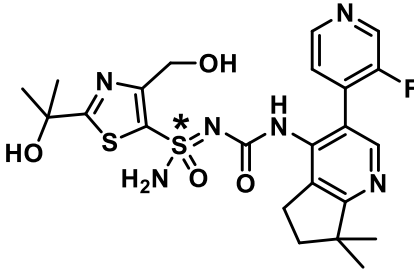
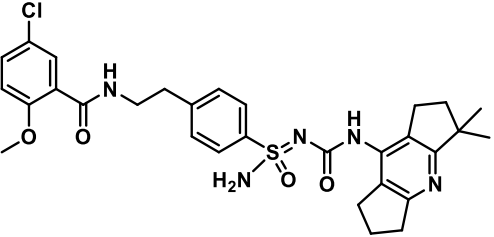
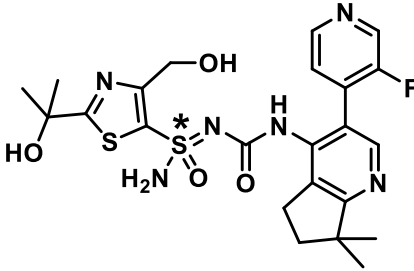
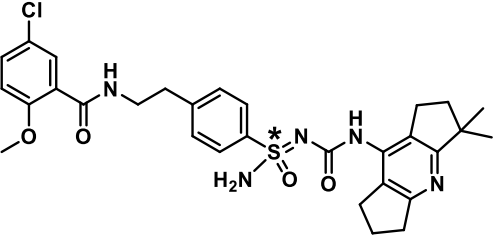
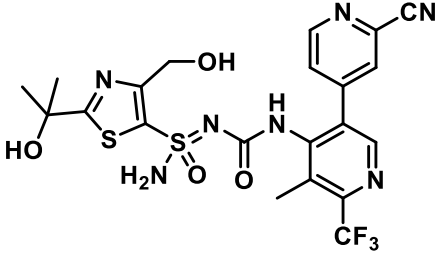
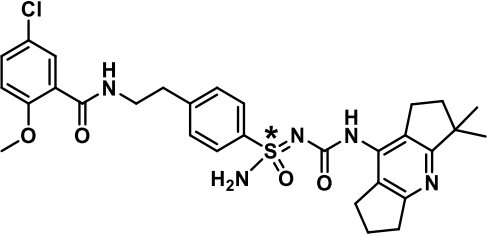
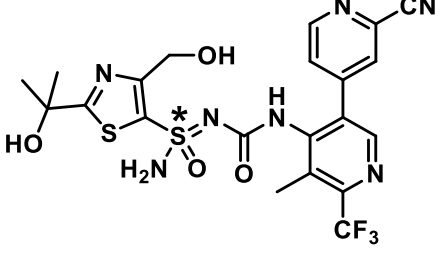
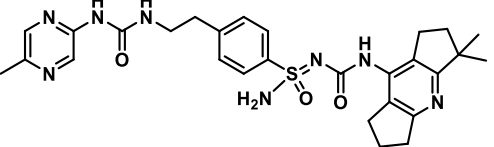
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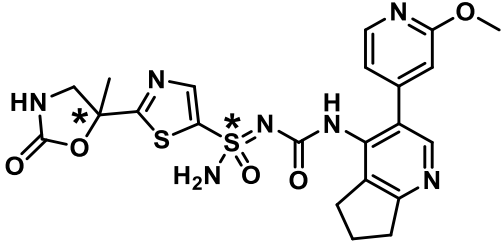
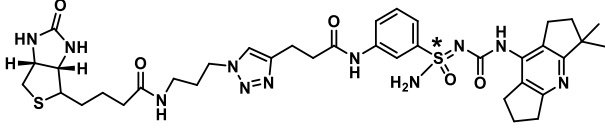
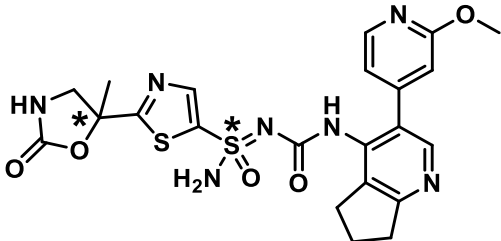
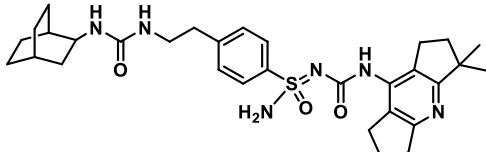
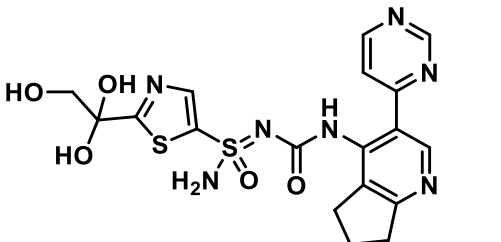
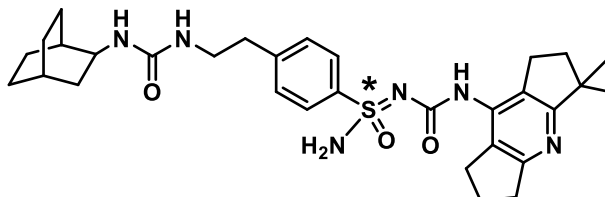
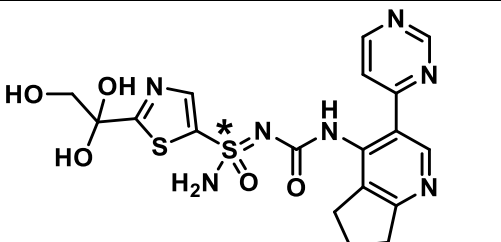
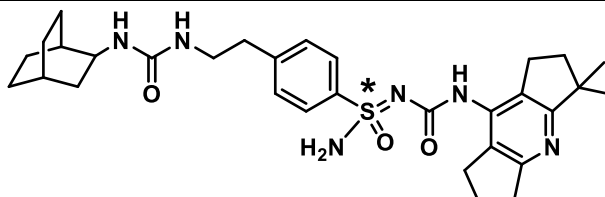
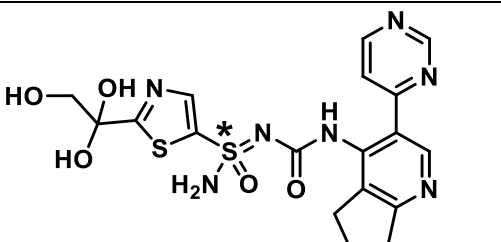
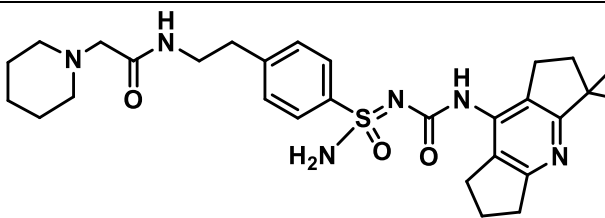
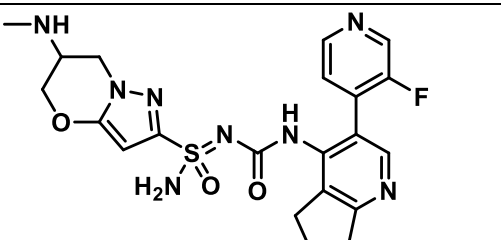
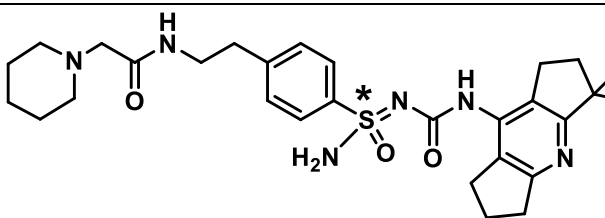
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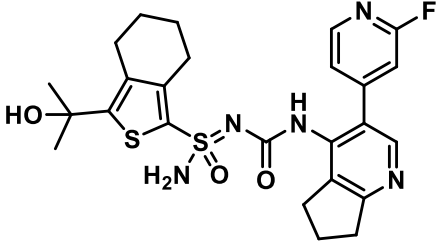
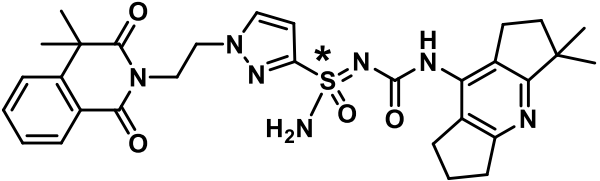
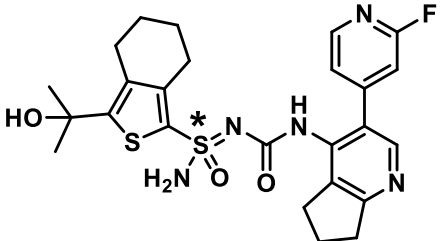
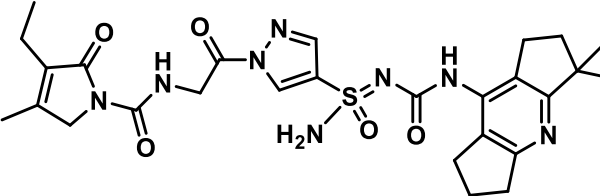
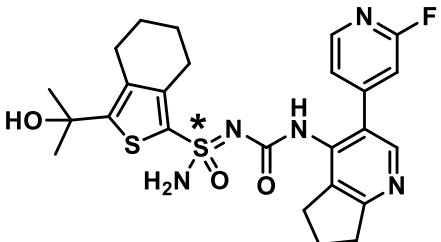
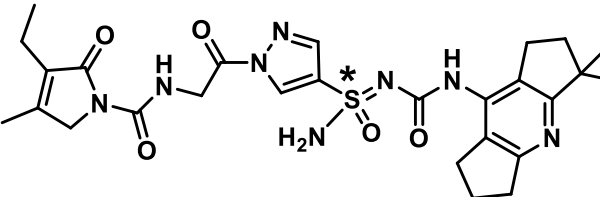
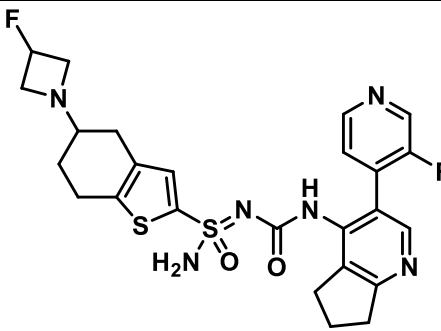
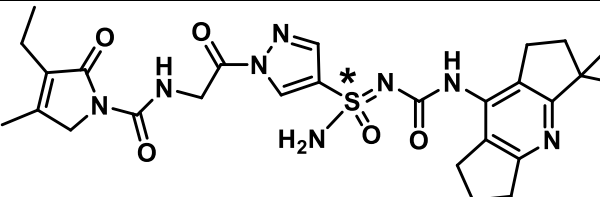
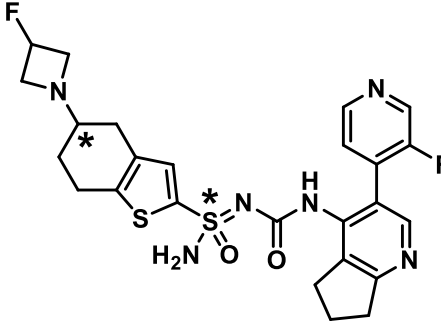
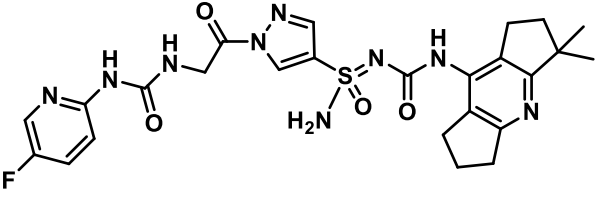
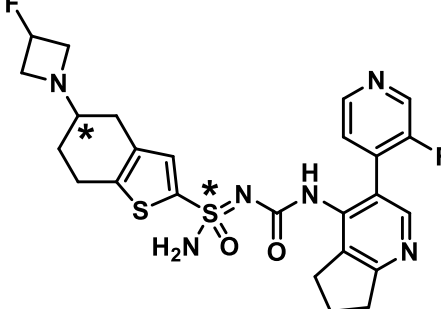
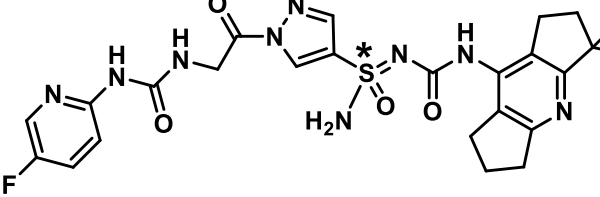
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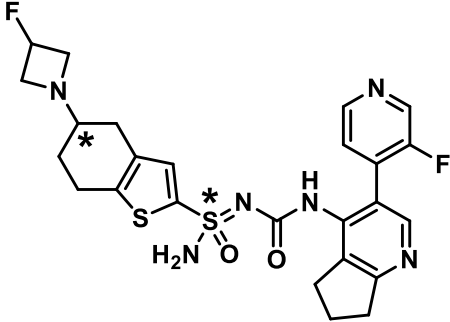
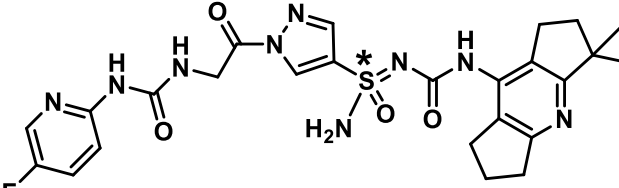
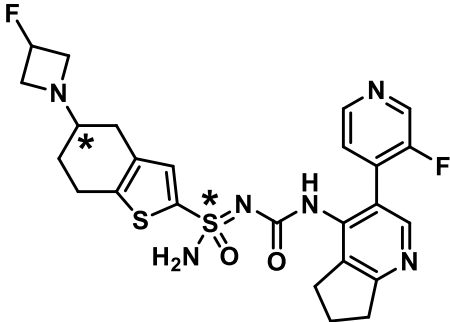
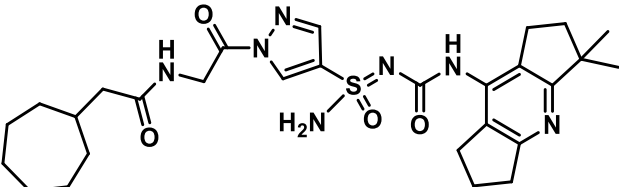
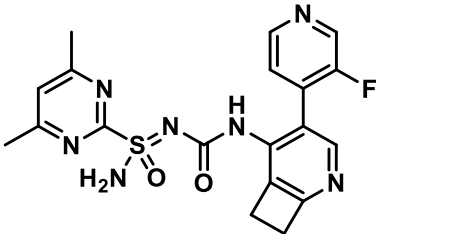
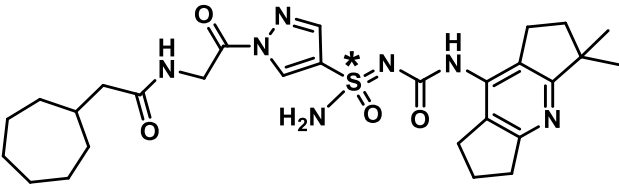
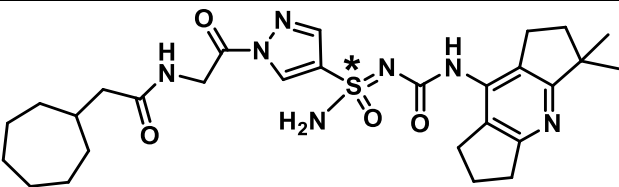
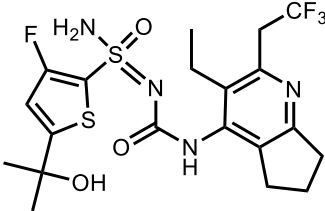
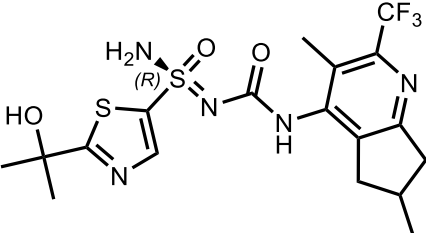
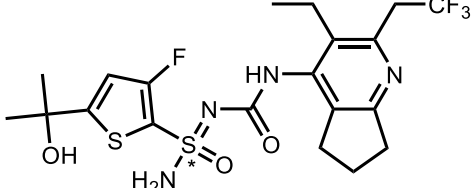
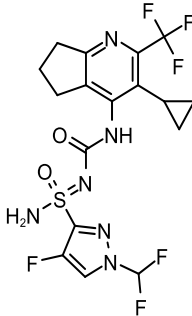
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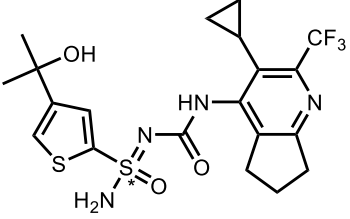
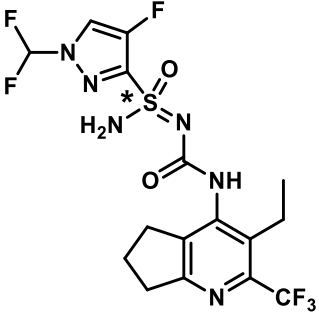
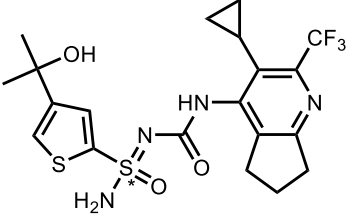
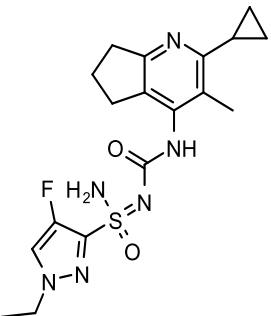
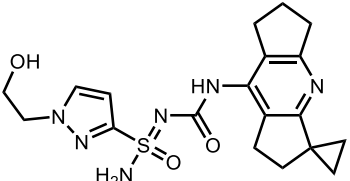
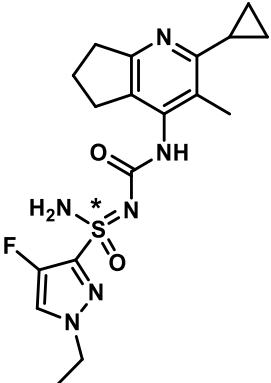
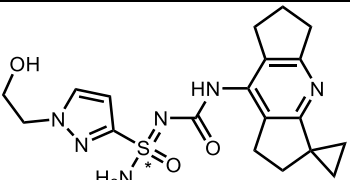
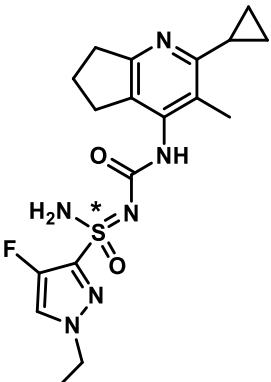
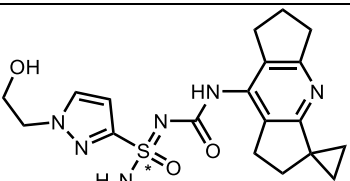
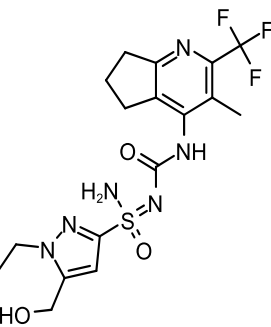
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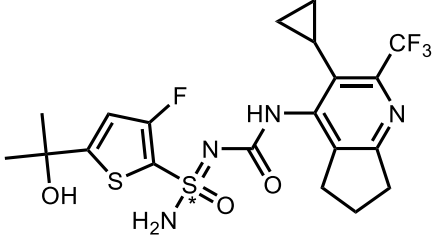
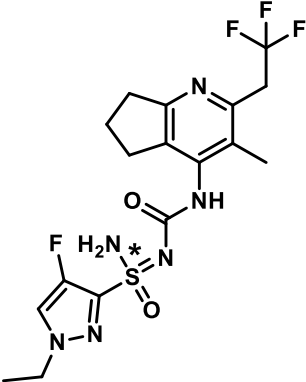
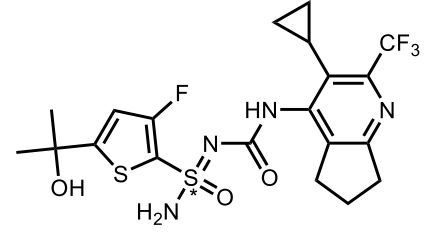
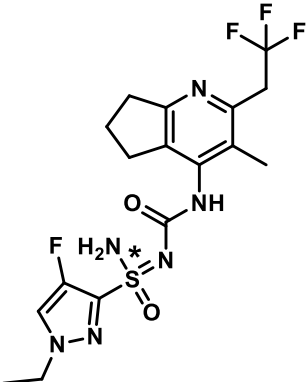
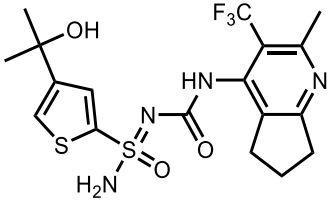
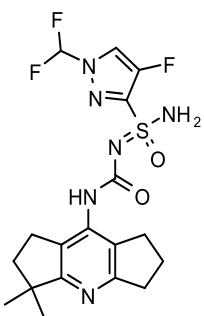
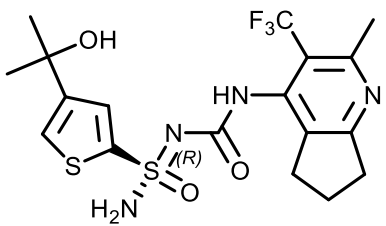
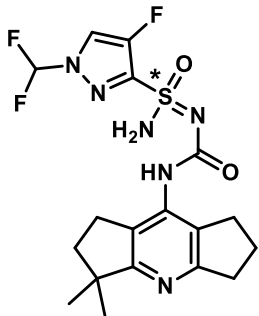
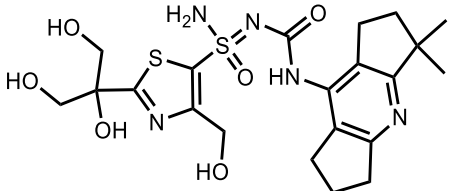
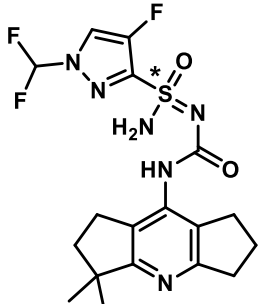
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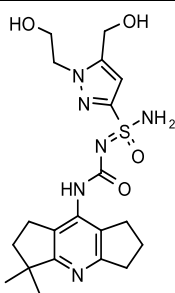
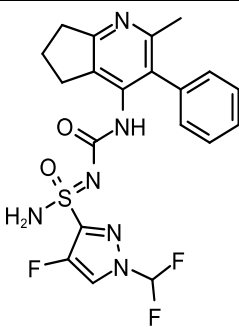
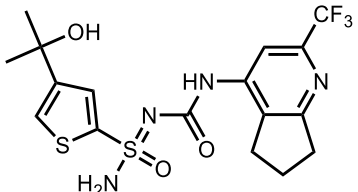
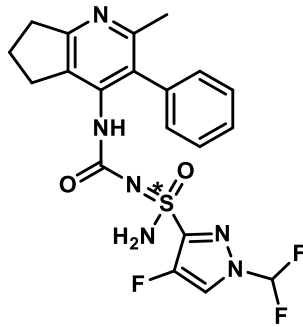
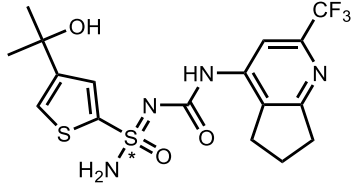
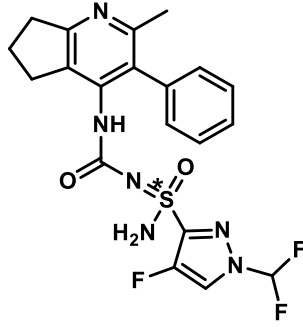
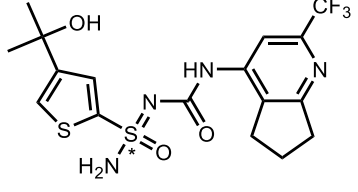
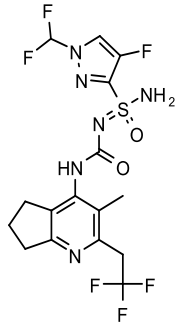
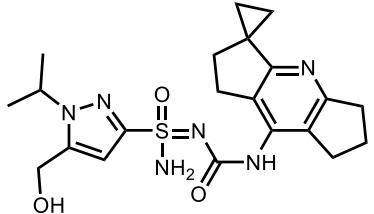
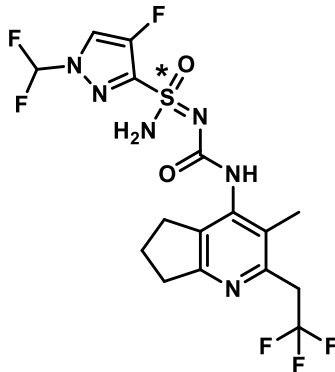
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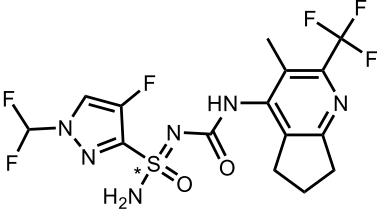
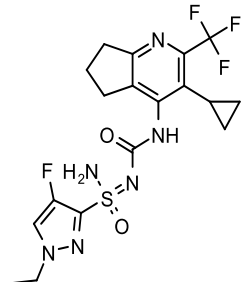
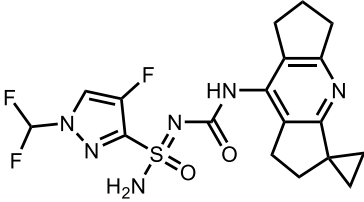
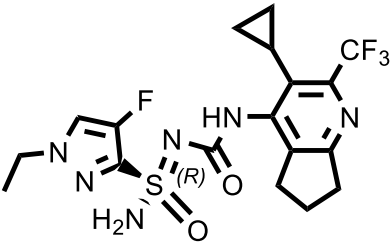
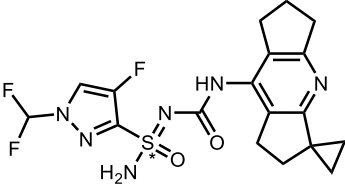
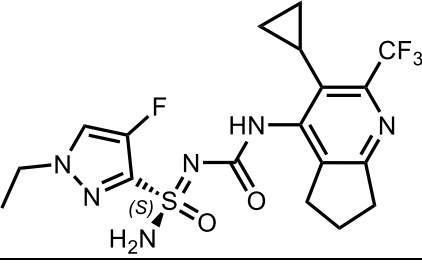
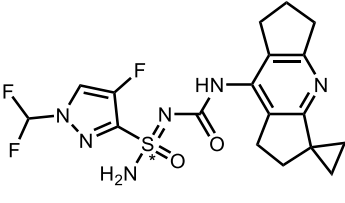
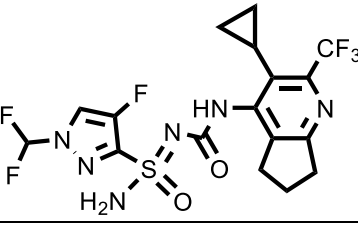
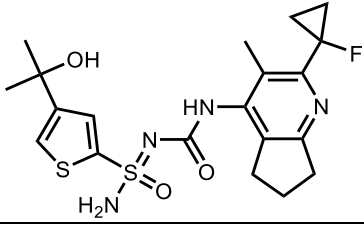
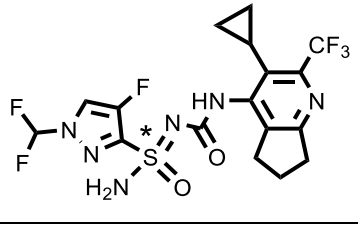
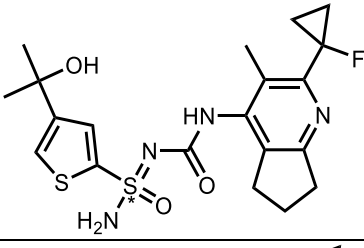
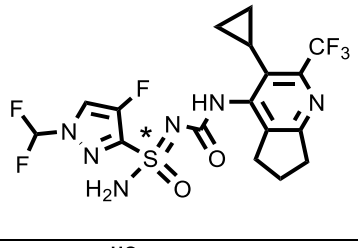
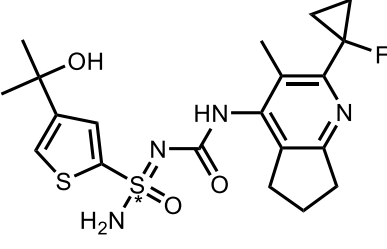
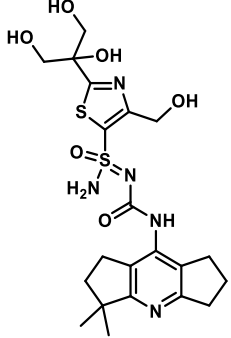
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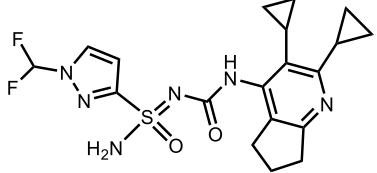
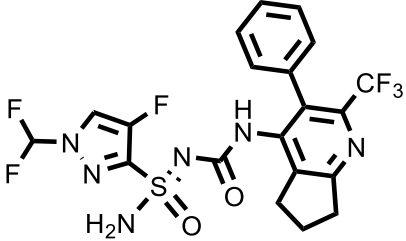
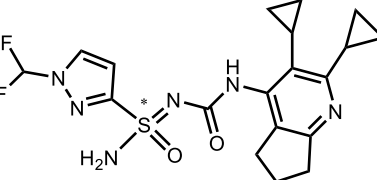
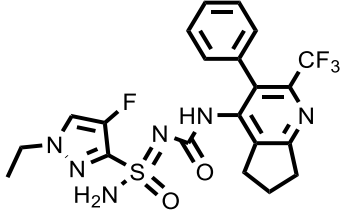
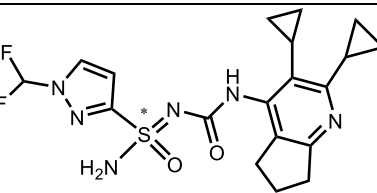
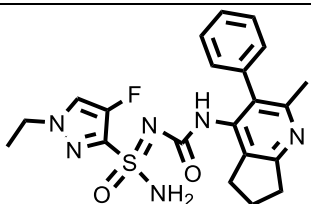
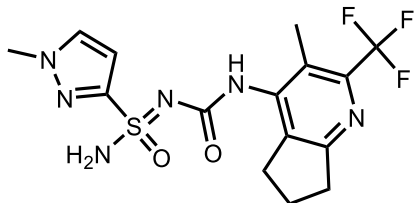
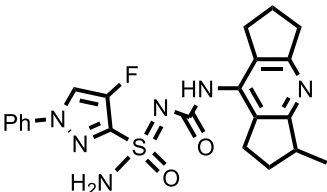
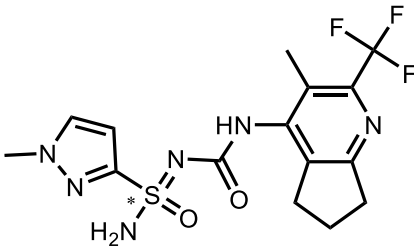
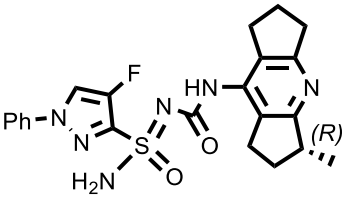
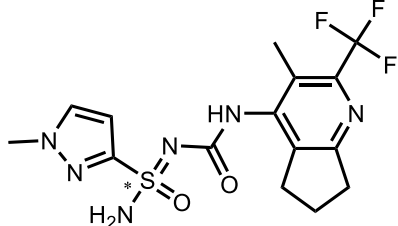
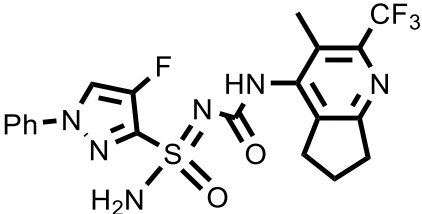
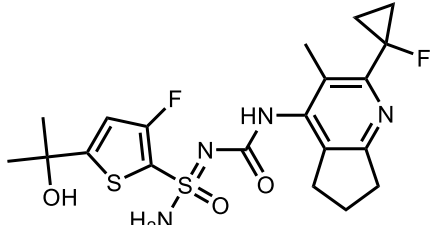
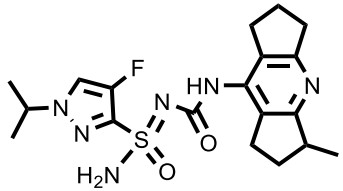
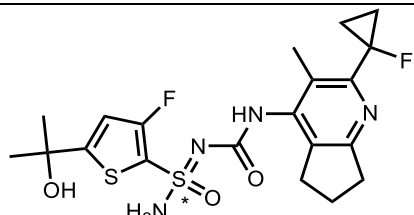
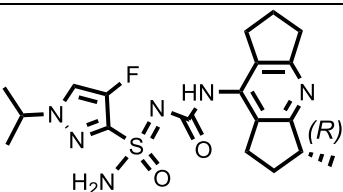
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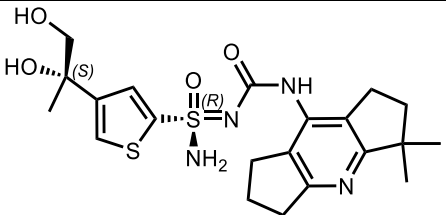
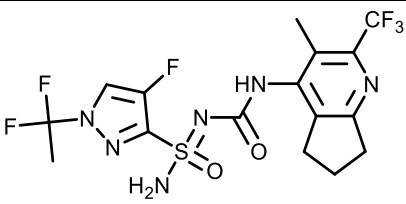
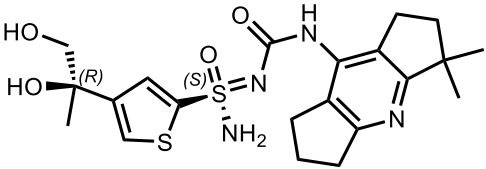
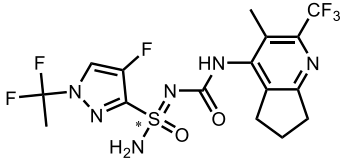
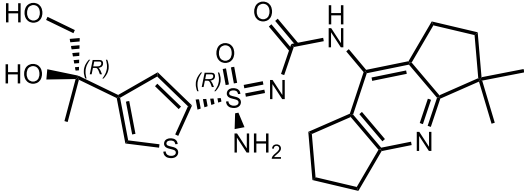
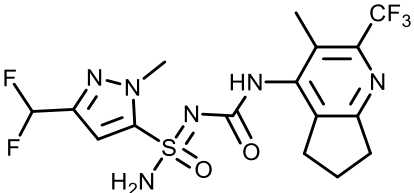
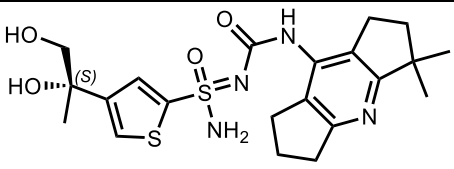
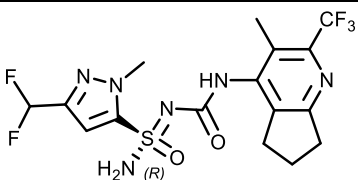
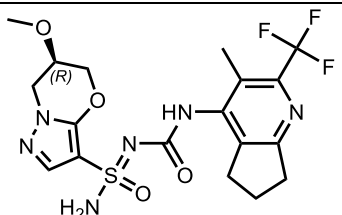
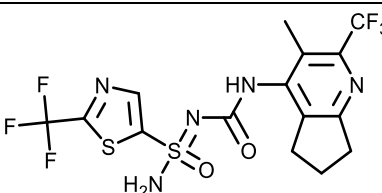
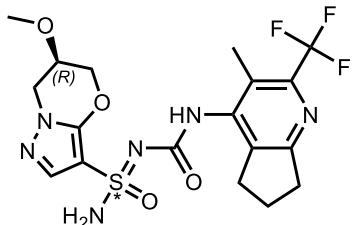
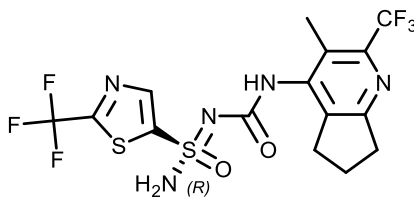
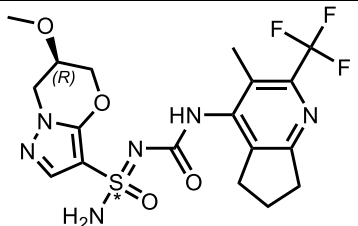
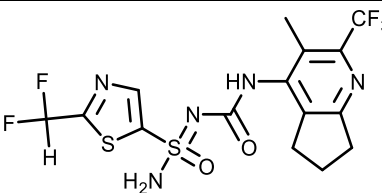
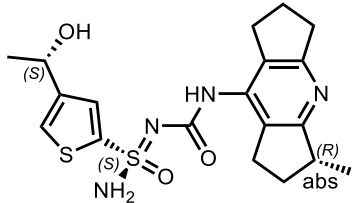
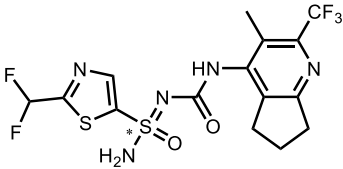
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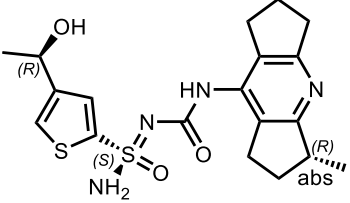
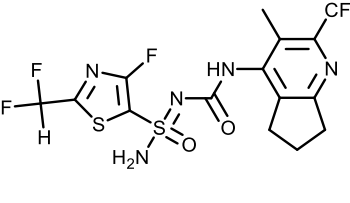
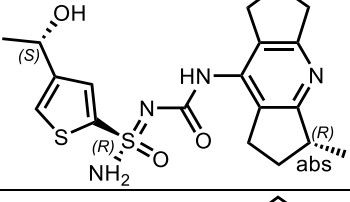
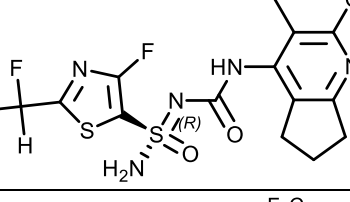
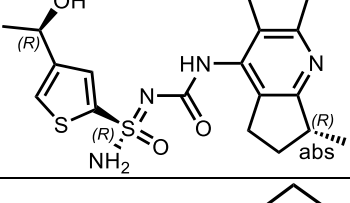
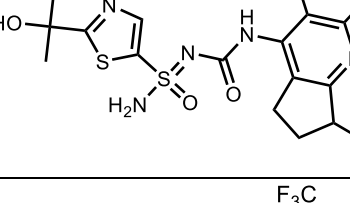
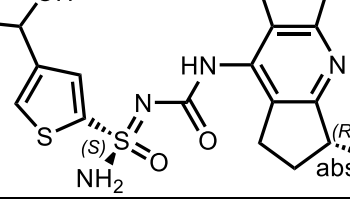
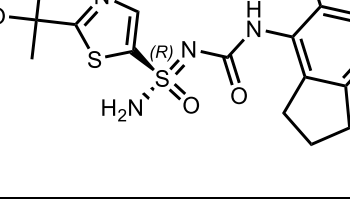
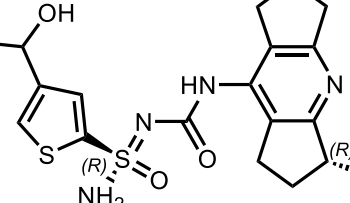
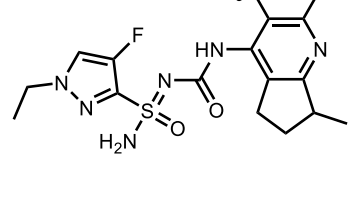
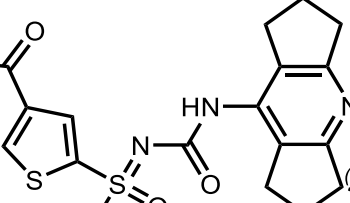
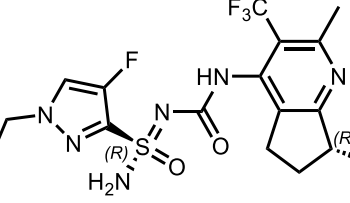
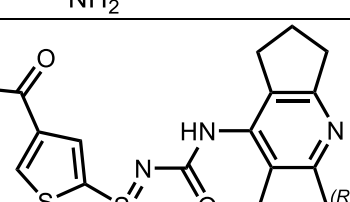
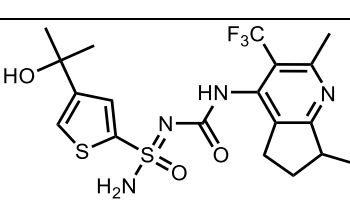
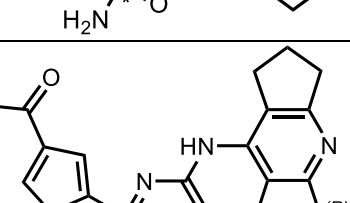
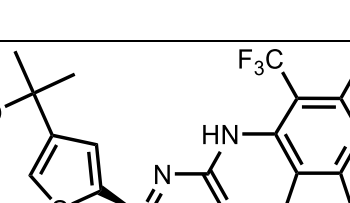
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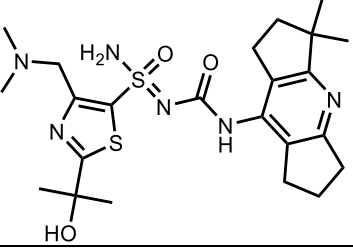
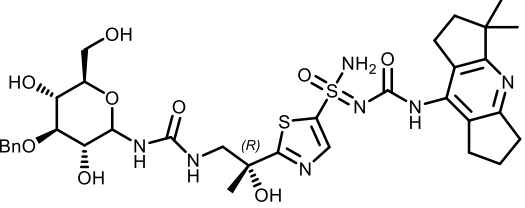
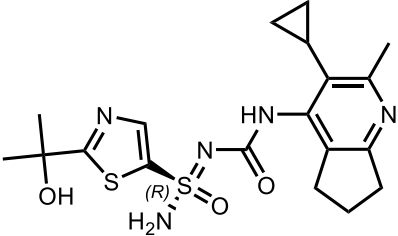
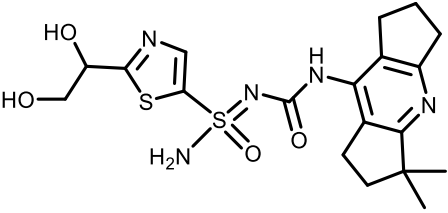
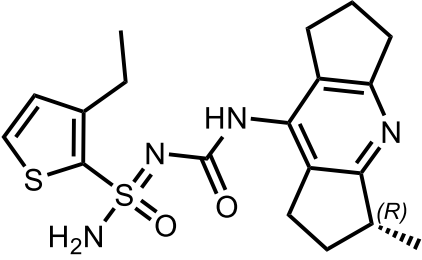
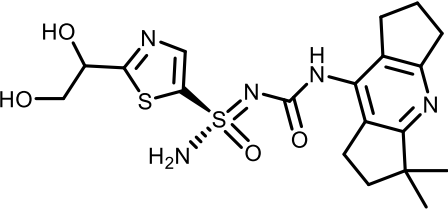
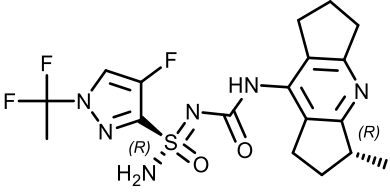
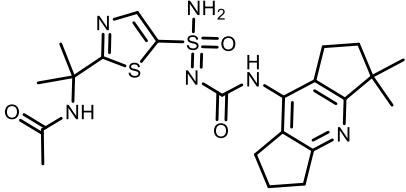
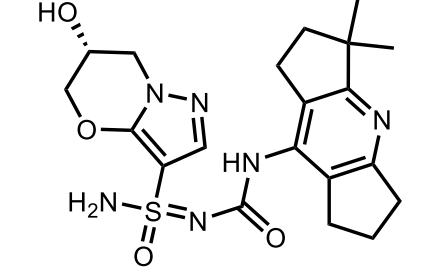
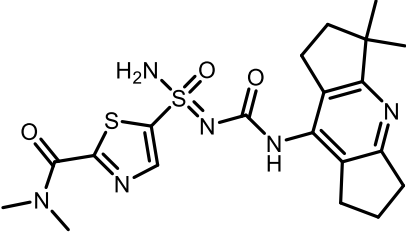
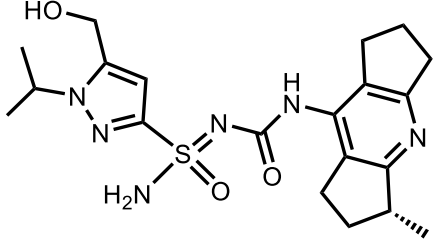
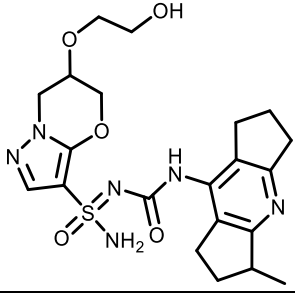
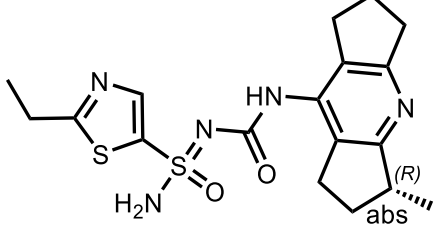
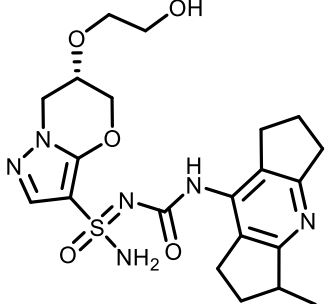
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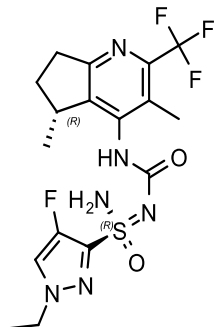
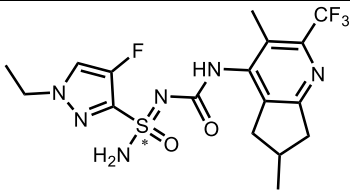
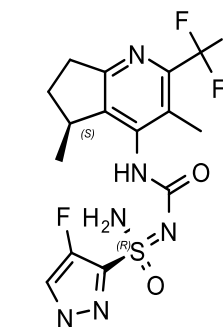
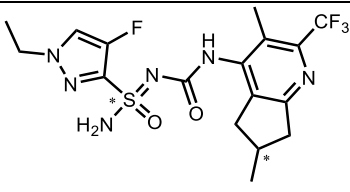
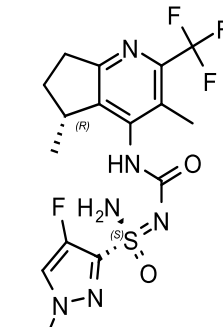
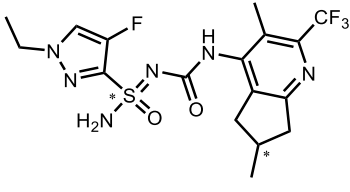
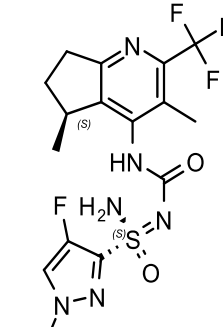
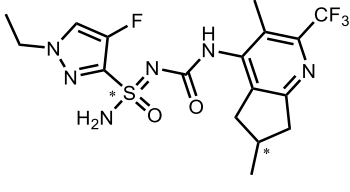
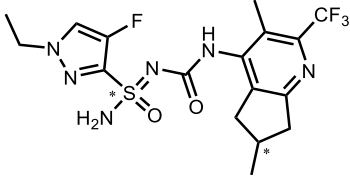
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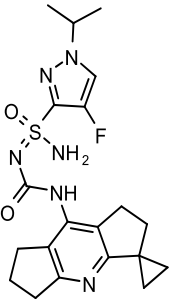
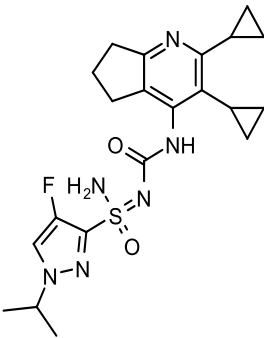
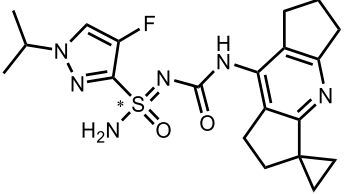
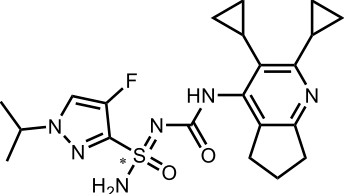
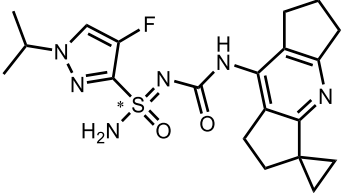
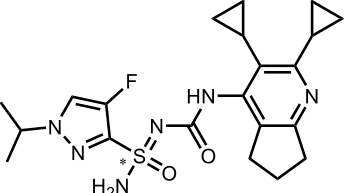
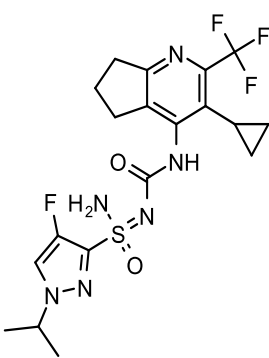
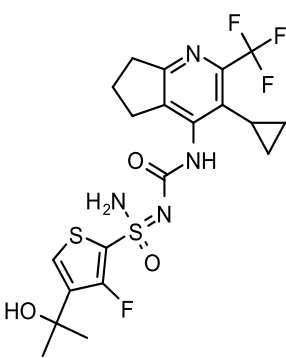
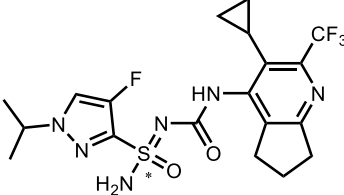
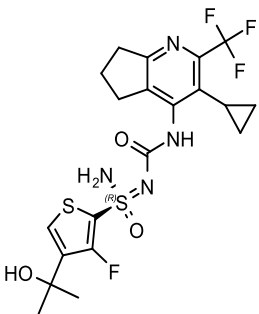
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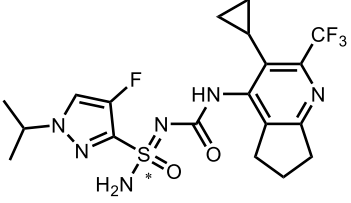
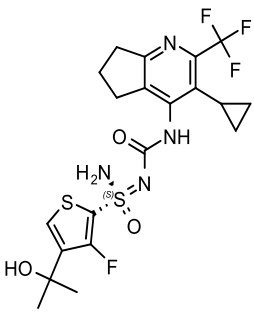
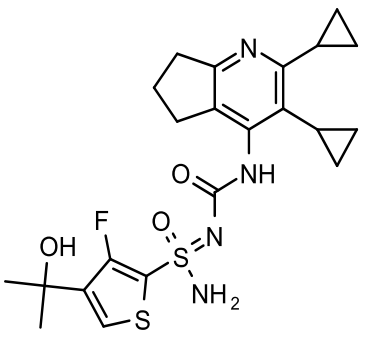
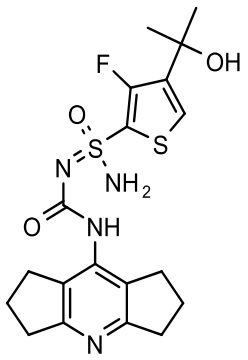
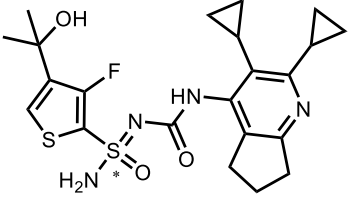
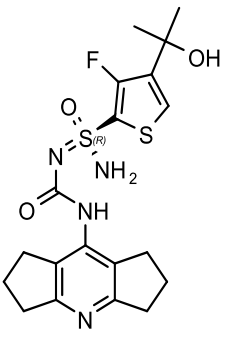
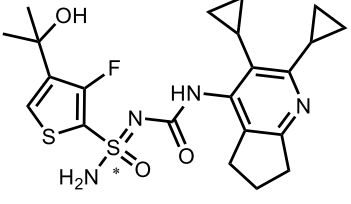
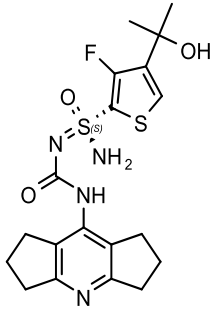
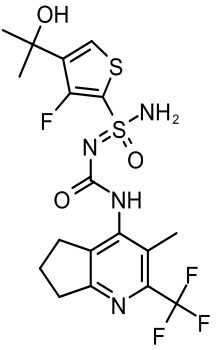
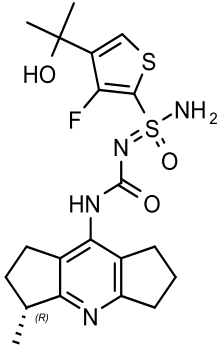
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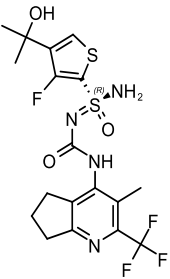
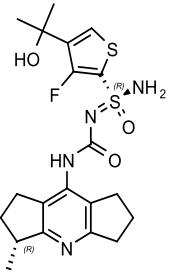
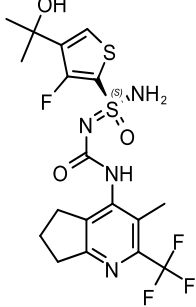
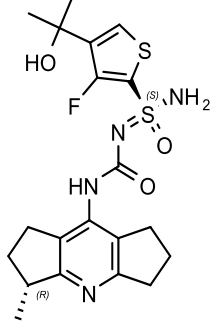
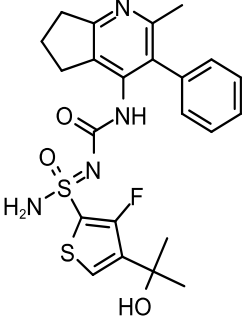
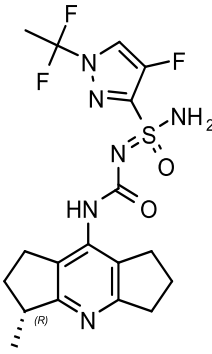
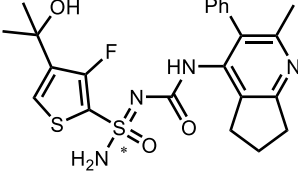
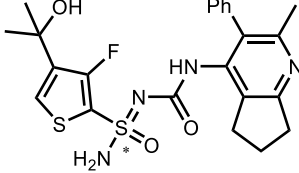
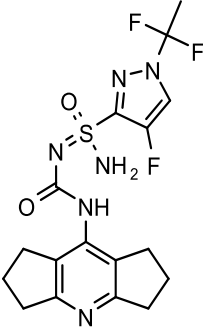
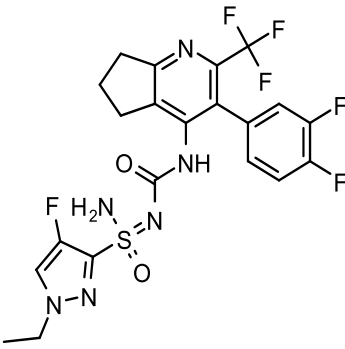
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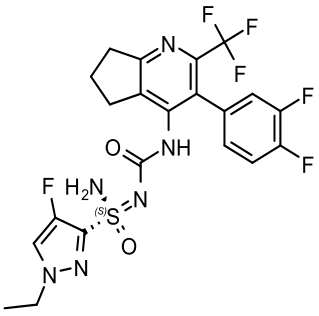
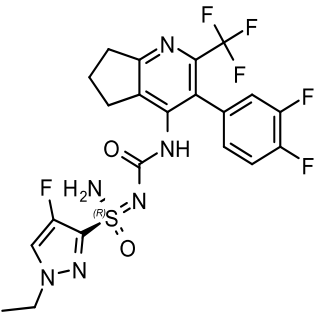
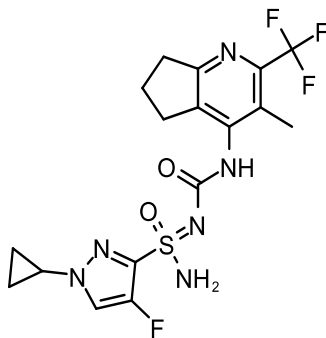
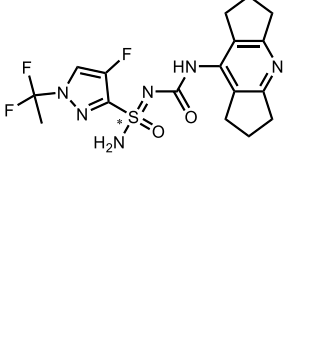
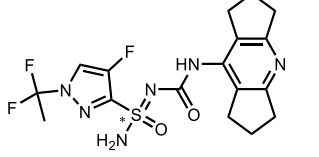
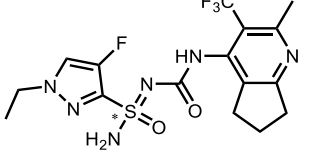
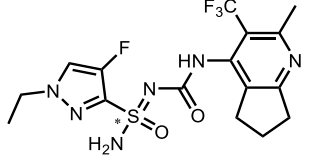
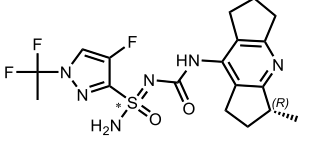
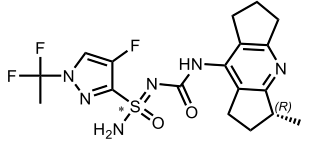
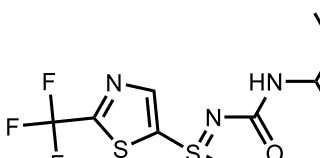
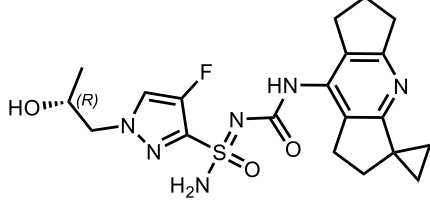
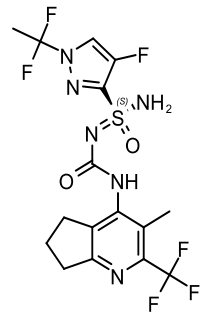
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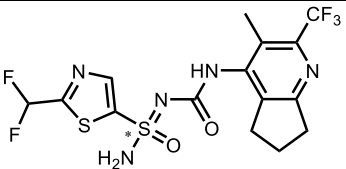
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1102b		1103b	
1104		1105	
1104a		1105a	

1104b		1105b	
1106		1107	
1106a		1107a	
1106b		1107b	
1108		1109	

1108a		1109a	
1108b		1109b	
1110		1111	
1110a		1110b	
1112		1113	

1113a		1113b	
1114		1115a	
1115b		1116a	
1116b		1117a	
1117b		1118	
1119		1004b	833 

1007b			
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y sus sales farmacéuticamente aceptables.

16. El compuesto de cualquiera de las reivindicaciones 1-15, en donde el azufre en el resto $S(=O)(NHR_3)=N-$ tiene estereoquímica (S) o estereoquímica (R).

17. Una composición farmacéutica que comprende un compuesto o sal según se reivindica en cualquiera de las reivindicaciones 1–6 y uno o más excipientes farmacéuticamente aceptables.