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(73)	Proprietor	Epizyme, Inc., 400 Technology Square, 4th Floor, Cambridge, MA 02139, USA
(72)	Inventor	CHESWORTH, Richard, 584 Strawberry Hill Road, Concord, MA 01742, USA MITCHELL, Lorna, Helen, 1 Nichols Place, Cambridge, MA 02138, USA SHAPIRO, Gideon, 5507 Nw 80th Avenue, Gainesville, FL 32563, USA SWINGER, Keren Kalai, 9 Chase Avenue, Lexington, Massachusetts 02421, USA
(74)	Agent or Attorney	PLOUGMANN VINGTOFT, Postboks 1003 Sentrum, 0104 OSLO, Norge

(54) Title **ARGININE METHYLTRANSFERASE INHIBITORS AND USES THEREOF**

(56) References
Cited: WO-A1-2010/094609

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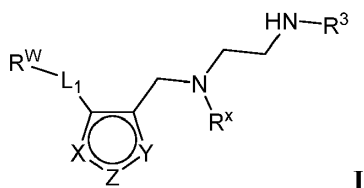
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Enclosed is a translation of the patent claims in Norwegian. Please note that as per the Norwegian Patents Acts, section 66i the patent will receive protection in Norway only as far as there is agreement between the translation and the language of the application/patent granted at the EPO. In matters concerning the validity of the patent, language of the application/patent granted at the EPO will be used as the basis for the decision. The patent documents published by the EPO are available through Espacenet (<http://worldwide.espacenet.com>) or via the search engine on our website here: <https://search.patentstyret.no/>

Patentkrav

1. En forbindelse med formel (I):



eller et farmasøytisk akseptabelt salt derav,
hvor

X er N, Z er NR⁴, og Y er CR⁵; eller

X er NR⁴, Z er N, og Y er CR⁵; eller

X er CR⁵, Z er NR⁴, og Y er N; eller

X er CR⁵, Z er N, og Y er NR⁴;

R^x er metyl, etyl, isopropyl, hydroksyetyl eller metoksyetyl;

L₁ er en binding eller en usubstituert C₁₋₆ mettet eller umettet hydrokarbon kjede;

R^w er eventuelt substituert karbosykl, eventuelt substituert heterosykl, eventuelt substituert aryl, eller eventuelt substituert heteroaryl; forutsatt at, hvis L₁ er en binding, R^w er ikke eventuelt substituert aryl, eller eventuelt substituert heteroaryl;

R³ er hydrogen eller metyl;

R⁴ er hydrogen eller metyl;

R⁵ er hydrogen eller metyl;

hvor, og med mindre annet er spesifisert,

heterosykl eller heterosyklisk refererer til en radikal av en 3-14-leddet ikke-aromatisk ringsystem som har ringkarbonatomer og 1-4 ringheteroatomer, hvor hver heteroatom er uavhengig valgt fra nitrogen, oksygen, og svovel;

karbosykl eller karbosyklisk refererer til en radikal av en ikke-aromatisk syklisk hydrokarbongruppe som har fra 3 to 14 ringkarbonatomer og zero heteroatomer i det ikke-aromatiske ringsystemet;

aryl refererer til en radikal av et monosyklisk eller polysyklisk aromatisk ringsystem som har 6-14 ringkarbonatomer og zero heteroatomer tilveiebrakt i det aromatiske ringsystemet; og

heteroaryl refererer til en radikal av en 5-10-leddet monosyklisk eller bisyklisk 4n+2 aromatisk ringsystem som har ringkarbonatomer og 1-4 ringheteroatomer tilveiebrakt i det aromatiske ringsystemet, hvor hver heteroatom er uavhengig valgt fra nitrogen, oksygen og svovel;

alkyl refererer til en radikal av en rett-kjede eller forgrenet mettet hydrokarbongruppe som har fra 1 to 20 karbonatomer;

alkenyl refererer til en radikal av en rett-kjede eller forgrenet hydrokarbongruppe som har fra 2 to 20 karbonatomer og én eller flere karbon-karbon dobbeltbindinger; og

alkynyl refererer til en radikal av en rett-kjede eller forgrenet hydrokarbongruppe som har fra 2 to 20 karbonatomer og én eller flere karbon-karbon trippelbindinger; eventuelle substituenten på en karbonatom er halogen, -CN, -NO₂, -N₃, -SO₂H, -SO₃H, -OH, -OR^{aa}, -ON(R^{bb})₂, -N(R^{bb})₂, -N(R^{bb})₃⁺X⁻, -N(OR^{cc})R^{bb}, -SH, -SR^{aa}, -SSR^{cc}, -C(=O)R^{aa}, -CO₂H, -CHO, -C(OR^{cc})₂, -CO₂R^{aa}, -OC(=O)R^{aa}, -OCO₂R^{aa}, -C(=O)N(R^{bb})₂, -OC(=O)N(R^{bb})₂, -NR^{bb}C(=O)R^{aa}, -NR^{bb}CO₂R^{aa}, -NR^{bb}C(=O)N(R^{bb})₂, -C(=NR^{bb})R^{aa}, -C(=NR^{bb})OR^{aa}, -OC(=NR^{bb})R^{aa}, -OC(=NR^{bb})OR^{aa}, -C(=NR^{bb})N(R^{bb})₂, -OC(=NR^{bb})N(R^{bb})₂, -NR^{bb}C(=NR^{bb})N(R^{bb})₂, -C(=O)NR^{bb}SO₂R^{aa}, -NR^{bb}SO₂R^{aa}, -SO₂N(R^{bb})₂, -SO₂R^{aa}, -SO₂OR^{aa}, -OSO₂R^{aa}, -S(=O)R^{aa}, -OS(=O)R^{aa}, -Si(R^{aa})₃, -OSi(R^{aa})₃, -C(=S)N(R^{bb})₂, -C(=O)SR^{aa}, -C(=S)SR^{aa}, -SC(=S)SR^{aa}, -SC(=O)SR^{aa}, -OC(=O)SR^{aa}, -SC(=O)OR^{aa}, -SC(=O)R^{aa}, -P(=O)₂R^{aa}, -OP(=O)₂R^{aa}, -P(=O)(R^{aa})₂, -OP(=O)(R^{aa})₂, -OP(=O)(OR^{cc})₂, -P(=O)₂N(R^{bb})₂, -OP(=O)₂N(R^{bb})₂, -P(=O)(NR^{bb})₂, -OP(=O)(NR^{bb})₂, -NR^{bb}P(=O)(OR^{cc})₂, -NR^{bb}P(=O)(NR^{bb})₂, -P(R^{cc})₂, -P(R^{cc})₃, -OP(R^{cc})₂, -OP(R^{cc})₃, -B(R^{aa})₂, -B(OR^{cc})₂, -BR^{aa}(OR^{cc}), C₁₋₁₀ alkyl, C₁₋₁₀ perhaloalkyl, C₂₋₁₀ alkenyl, C₂₋₁₀ alkynyl, C₃₋₁₀ karbocyklyl, 3-14-leddet heterosyklyl, C₆₋₁₄ aryl, og 5-14-leddet heteroaryl, hvor hver alkyl, alkenyl, alkynyl, karbocyklyl, heterosyklyl, aryl, og heteroaryl er uavhengig substituert med 0, 1, 2, 3, 4, eller 5 R^{dd} grupper;

eller to geminale hydrogenen på en karbonatom er erstattet med gruppen =O, =S, =NN(R^{bb})₂, =NNR^{bb}C(=O)R^{aa}, =NNR^{bb}C(=O)OR^{aa}, =NNR^{bb}S(=O)₂R^{aa}, =NR^{bb}, eller =NOR^{cc};

hver forekomst av R^{aa} er, uavhengig, valgt fra C₁₋₁₀ alkyl, C₁₋₁₀ perhaloalkyl, C₂₋₁₀ alkenyl, C₂₋₁₀ alkynyl, C₃₋₁₀ karbocyklyl, 3-14-leddet heterosyklyl, C₆₋₁₄ aryl, og 5-14-leddet heteroaryl, eller to R^{aa} grupper er tilsammen to form en 3-14-leddet heterosyklyl eller 5-14-leddet heteroarylring, hvor hver alkyl, alkenyl, alkynyl, karbocyklyl, heterosyklyl, aryl, og heteroaryl er uavhengig substituert med 0, 1, 2, 3, 4, eller 5 R^{dd} grupper;

hver forekomst av R^{bb} er, uavhengig, valgt fra hydrogen, -OH, -OR^{aa}, -N(R^{cc})₂, -CN, -C(=O)R^{aa}, -C(=O)N(R^{cc})₂, -CO₂R^{aa}, -SO₂R^{aa}, -C(=NR^{cc})OR^{aa}, -C(=NR^{cc})N(R^{cc})₂, -SO₂N(R^{cc})₂, -SO₂R^{cc}, -SO₂OR^{cc}, -SOR^{aa}, -C(=S)N(R^{cc})₂, -C(=O)SR^{cc}, -C(=S)SR^{cc}, -P(=O)₂R^{aa}, -P(=O)(R^{aa})₂, -P(=O)₂N(R^{cc})₂, -P(=O)(NR^{cc})₂, C₁₋₁₀ alkyl, C₁₋₁₀ perhaloalkyl, C₂₋₁₀ alkenyl, C₂₋₁₀ alkynyl, C₃₋₁₀ karbocyklyl, 3-14-leddet heterosyklyl, C₆₋₁₄ aryl, og 5-14-leddet heteroaryl, eller to R^{bb} grupper er tilsammen to form en 3-14-leddet heterosyklyl eller 5-14-leddet heteroaryl ring, hvor hver alkyl, alkenyl, alkynyl, karbocyklyl, heterosyklyl, aryl, og heteroaryl er uavhengig substituert med 0, 1, 2, 3, 4, eller 5 R^{dd} grupper;

hver forekomst av R^{cc} er, uavhengig, valgt fra hydrogen, C_{1-10} alkyl, C_{1-10} perhaloalkyl, C_{2-10} alkenyl, C_{2-10} alkynyl, C_{3-10} karbosykl, 3-14-leddet heterosykl, C_{6-14} aryl, og 5-14-leddet heteroaryl, eller to R^{cc} grupper er tilsammen to form en 3-14-leddet heterosykl eller 5-14-leddet heteroarylring, hvor hver alkyl, alkenyl, alkynyl, karbosykl, heterosykl, aryl, og heteroaryl er uavhengig substituert med 0, 1, 2, 3, 4, eller 5 R^{dd} grupper;

hver forekomst av R^{dd} er, uavhengig, valgt fra halogen, $-CN$, $-NO_2$, $-N_3$, $-SO_2H$, $-SO_3H$, $-OH$, $-OR^{ee}$, $-ON(R^{ff})_2$, $-N(R^{ff})_2$, $-N(R^{ff})_3^+X^-$, $-N(OR^{ee})R^{ff}$, $-SH$, $-SR^{ee}$, $-SSR^{ee}$, $-C(=O)R^{ee}$, $-CO_2H$, $-CO_2R^{ee}$, $-OC(=O)R^{ee}$, $-OCO_2R^{ee}$, $-C(=O)N(R^{ff})_2$, $-OC(=O)N(R^{ff})_2$, $-NR^{ff}C(=O)R^{ee}$, $-NR^{ff}CO_2R^{ee}$, $-NR^{ff}C(=O)N(R^{ff})_2$, $-C(=NR^{ff})OR^{ee}$, $-OC(=NR^{ff})R^{ee}$, $-OC(=NR^{ff})OR^{ee}$, $-C(=NR^{ff})N(R^{ff})_2$, $-OC(=NR^{ff})N(R^{ff})_2$, $-NR^{ff}C(=NR^{ff})N(R^{ff})_2$, $-NR^{ff}SO_2R^{ee}$, $-SO_2N(R^{ff})_2$, $-SO_2R^{ee}$, $-SO_2OR^{ee}$, $-OSO_2R^{ee}$, $-S(=O)R^{ee}$, $-Si(R^{ee})_3$, $-OSi(R^{ee})_3$, $-C(=S)N(R^{ff})_2$, $-C(=O)SR^{ee}$, $-C(=S)SR^{ee}$, $-SC(=S)SR^{ee}$, $-P(=O)_2R^{ee}$, $-P(=O)(R^{ee})_2$, $-OP(=O)(R^{ee})_2$, $-OP(=O)(OR^{ee})_2$, C_{1-6} alkyl, C_{1-6} perhaloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} karbosykl, 3-10-leddet heterosykl, C_{6-10} aryl, 5-10-leddet heteroaryl, hvor hver alkyl, alkenyl, alkynyl, karbosykl, heterosykl, aryl, og heteroaryl er uavhengig substituert med 0, 1, 2, 3, 4, eller 5 R^{gg} grupper, eller to geminale R^{dd} substituerter kan være tilsammen to form $=O$ eller $=S$;

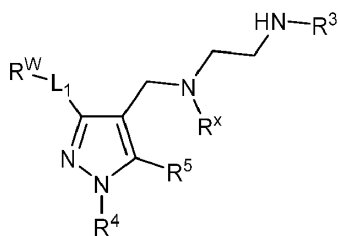
hver forekomst av R^{ee} er, uavhengig, valgt fra C_{1-6} alkyl, C_{1-6} perhaloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} karbosykl, C_{6-10} aryl, 3-10-leddet heterosykl, og 3-10-leddet heteroaryl, hvor hver alkyl, alkenyl, alkynyl, karbosykl, heterosykl, aryl, og heteroaryl er uavhengig substituert med 0, 1, 2, 3, 4, eller 5 R^{gg} grupper;

hver forekomst av R^{ff} er, uavhengig, valgt fra hydrogen, C_{1-6} alkyl, C_{1-6} perhaloalkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{3-10} karbosykl, 3-10-leddet heterosykl, C_{6-10} aryl og 5-10-leddet heteroaryl, eller to R^{ff} grupper er tilsammen to form en 3-14-leddet heterosykl eller 5-14-leddet heteroarylring, hvor hver alkyl, alkenyl, alkynyl, karbosykl, heterosykl, aryl, og heteroaryl er uavhengig substituert med 0, 1, 2, 3, 4, eller 5 R^{gg} grupper; og

hver forekomst av R^{gg} er, uavhengig, halogen, $-CN$, $-NO_2$, $-N_3$, $-SO_2H$, $-SO_3H$, $-OH$, $-OC_{1-6}$ alkyl, $-ON(C_{1-6}alkyl)_2$, $-N(C_{1-6}alkyl)_2$, $-N(C_{1-6}alkyl)_3^+X^-$, $-NH(C_{1-6}alkyl)_2^+X^-$, $-NH_2(C_{1-6}alkyl)^+X^-$, $-NH_3^+X^-$, $-N(OC_{1-6}alkyl)(C_{1-6}alkyl)$, $-N(OH)(C_{1-6}alkyl)$, $-NH(OH)$, $-SH$, $-SC_{1-6}alkyl$, $-SS(C_{1-6}alkyl)$, $-C(=O)(C_{1-6}alkyl)$, $-CO_2H$, $-CO_2(C_{1-6}alkyl)$, $-OC(=O)(C_{1-6}alkyl)$, $-OCO_2(C_{1-6}alkyl)$, $-C(=O)NH_2$, $-C(=O)N(C_{1-6}alkyl)_2$, $-OC(=O)NH(C_{1-6}alkyl)$, $-NHC(=O)(C_{1-6}alkyl)$, $-N(C_{1-6}alkyl)C(=O)(C_{1-6}alkyl)$, $-NHCO_2(C_{1-6}alkyl)$, $-NHC(=O)N(C_{1-6}alkyl)_2$, $-NHC(=O)NH(C_{1-6}alkyl)$, $-NHC(=O)NH_2$, $-C(=NH)O(C_{1-6}alkyl)$, $-OC(=NH)(C_{1-6}alkyl)$, $-OC(=NH)OC_{1-6}alkyl$, $-C(=NH)N(C_{1-6}alkyl)_2$, $-C(=NH)NH(C_{1-6}alkyl)$, $-C(=NH)NH_2$, $-OC(=NH)N(C_{1-6}alkyl)_2$, $-OC(NH)NH(C_{1-6}alkyl)$, $-OC(NH)NH_2$, $-NHC(NH)N(C_{1-6}alkyl)_2$, $-NHC(=NH)NH_2$, $-NHCO_2(C_{1-6}alkyl)$, $-SO_2N(C_{1-6}alkyl)_2$, $-SO_2NH(C_{1-6}alkyl)$, $-$

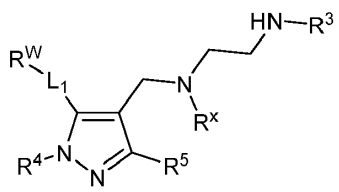
SO₂NH₂, -SO₂C₁₋₆ alkyl, - SO₂OC₁₋₆ alkyl, -OSO₂C₁₋₆ alkyl, -SOC₁₋₆ alkyl, -Si(C₁₋₆ alkyl)₃, -OSi(C₁₋₆ alkyl)₃ - C(=S)N(C₁₋₆ alkyl)₂, C(=S)NH(C₁₋₆ alkyl), C(=S)NH₂, - C(=O)S(C₁₋₆ alkyl), -C(=S)SC₁₋₆ alkyl, -SC(=S)SC₁₋₆ alkyl, -P(=O)₂(C₁₋₆ alkyl), - P(=O)(C₁₋₆ alkyl)₂, -OP(=O)(C₁₋₆ alkyl)₂, -OP(=O)(OC₁₋₆ alkyl)₂, C₁₋₆ alkyl, C₁₋₆ perhaloalkyl, C₂₋₆ alkenyl, C₂₋₆ alkynyl, C₃₋₁₀ karbosyklyl, C₆₋₁₀ aryl, 3-10-leddet heterosyklyl, 5-10-leddet heteroaryl; eller to geminale R^{gg} substituenten kan være tilsammen to form =O eller =S; hvor X⁻ er en anion; og eventuelle substituenten på en nitrogenatom er hydrogen, -OH, -OR^{aa}, -N(R^{cc})₂, - CN, - C(=O)R^{aa}, -C(=O)N(R^{cc})₂, -CO₂R^{aa}, -SO₂R^{aa}, -C(=NR^{bb})R^{aa}, -C(=NR^{cc})OR^{aa}, - C(=NR^{cc})N(R^{cc})₂, -SO₂N(R^{cc})₂, -SO₂R^{cc}, -SO₂OR^{cc}, -SOR^{aa}, -C(=S)N(R^{cc})₂, - C(=O)SR^{cc}, -C(=S)SR^{cc}, -P(=O)₂R^{aa}, -P(=O)(R^{aa})₂, -P(=O)₂N(R^{cc})₂, -P(=O)(NR^{cc})₂, C₁₋₁₀ alkyl, C₁₋₁₀ perhaloalkyl, C₂₋₁₀ alkenyl, C₂₋₁₀ alkynyl, C₃₋₁₀ karbosyklyl, 3-14-leddet heterosyklyl, C₆₋₁₄ aryl, og 5-14-leddet heteroaryl, eller to R^{cc} grupper som er bundet til en nitrogenatom er tilsammen to form en 3-14-leddet heterosyklyl eller 5-14-leddet heteroarylring, hvor hver alkyl, alkenyl, alkynyl, karbosyklyl, heterosyklyl, aryl, og heteroaryl er uafhængig substitueret med 0, 1, 2, 3, 4, eller 5 R^{dd} grupper, og hvor R^{aa}, R^{bb}, R^{cc} og R^{dd} er som definert ovenfor.

2. En forbindelse ifølge krav 1, hvor forbindelsen er av formel (**II**):



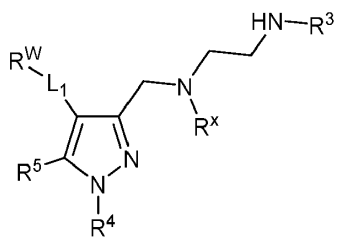
eller et farmasøytisk akseptabelt salt derav.

3. En forbindelse ifølge krav 1, hvor forbindelsen er av formel (**III**):



eller et farmasøytisk akseptabelt salt derav; eller

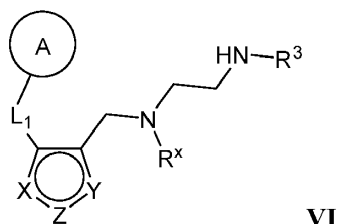
hvor forbindelsen er av formel (**IV**):



eller et farmasøytisk akseptabelt salt derav.

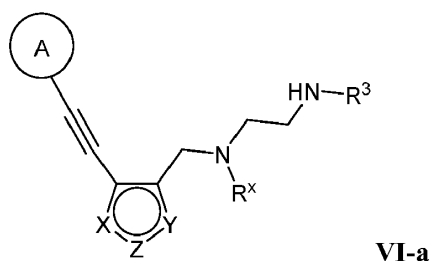
4. En forbindelse ifølge et hvilket som helst av kravene 1-3, hvor $-L_1-R^W$ er eventuelt substituert karbosyklyl; for eksempel, eventuelt substituert sykloheksyl; hvor $-L_1-R^W$ er eventuelt substituert heterosyklyl; for eksempel, eventuelt substituert piperidin; eller hvor L_1 er C_{1-4} alkylen og R^W er eventuelt substituert aryl eller eventuelt substituert heteroaryl.

5. En forbindelse ifølge krav 1, hvor forbindelsen er av formel **(VI)**:



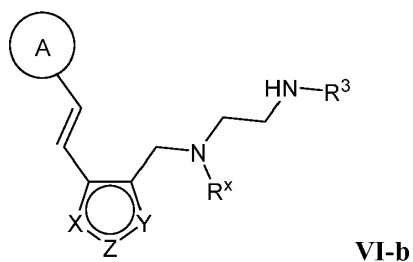
eller et farmasøytisk akseptabelt salt derav;

hvor forbindelsen er av formel **(VI-a)**:



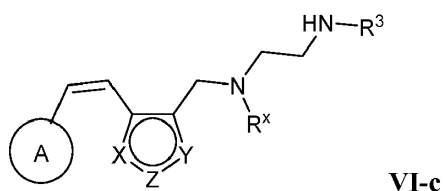
eller et farmasøytisk akseptabelt salt derav;

hvor forbindelse er av formel **(VI-b)**:



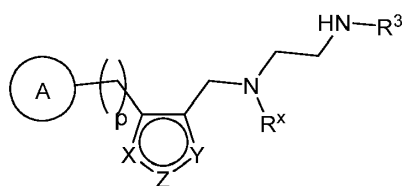
eller et farmasøytisk akseptabelt salt derav;

hvor forbindelsen er av formel **(VI-c)**:



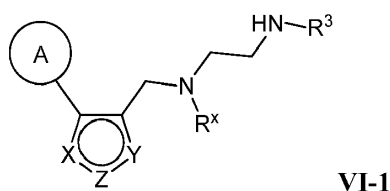
eller et farmasøytisk akseptabelt salt derav; eller

hvor forbindelsen er av formel **(VI-i)**:



eller et farmasøytisk akseptabelt salt derav, hvor p er 1, 2, 3, 4, 5, eller 6;
 hvor ring A er eventuelt substituert karbosykl, eventuelt substituert heterosykl, eventuelt substituert aryl, eller eventuelt substituert heteroaryl.

6. En forbindelse ifølge krav 1, hvor forbindelsen er av formel (**VI-1**):



eller et farmasøytisk akseptabelt salt derav;
 hvor ring A er eventuelt substituert karbosykl, eller eventuelt substituert heterosykl;
 eventuelt substituert bisyklisk karbosykl, eller eventuelt substituert bisyklisk heterosykl.

7. En forbindelse ifølge krav 5, hvor ring A er eventuelt substituert fenyl; eventuelt substituert heteroaryl; eventuelt substituert karbosykl; eventuelt substituert heterosykl; eventuelt substituert bisyklisk karbosykl; eller eventuelt substituert bisyklisk heterosykl.

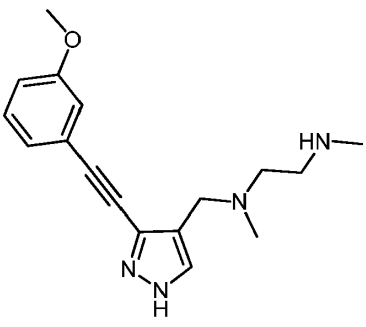
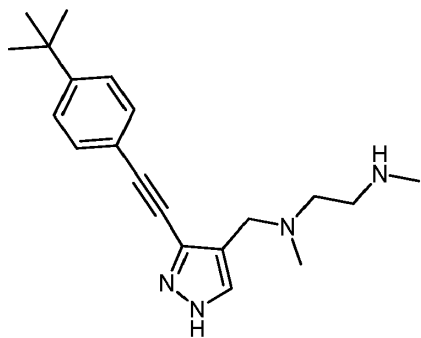
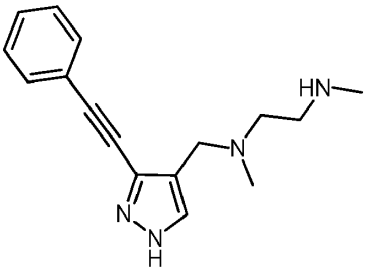
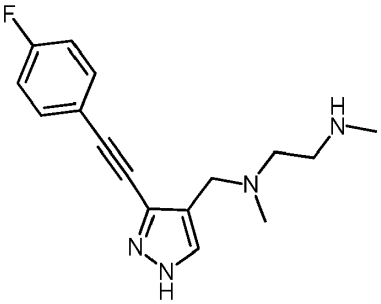
8. En forbindelse ifølge et hvilket som helst av kravene 1-7, hvor R³ er metyl.

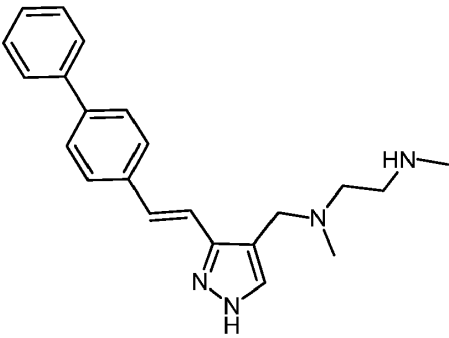
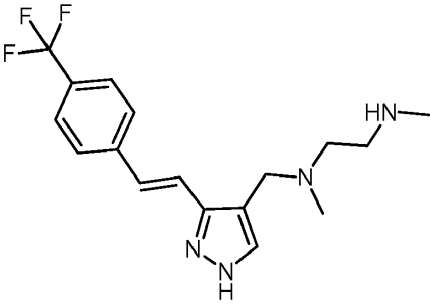
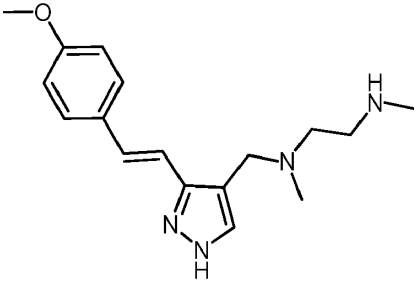
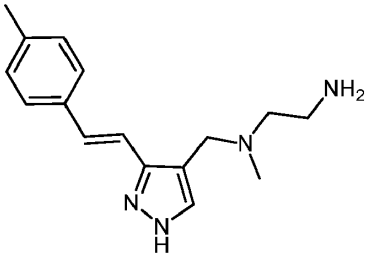
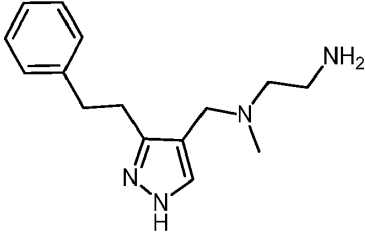
9. En forbindelse ifølge et hvilket som helst av kravene 1-8, hvor R⁴ er metyl.

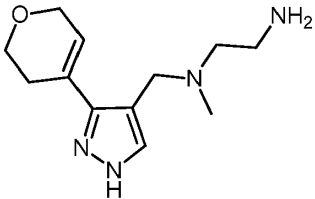
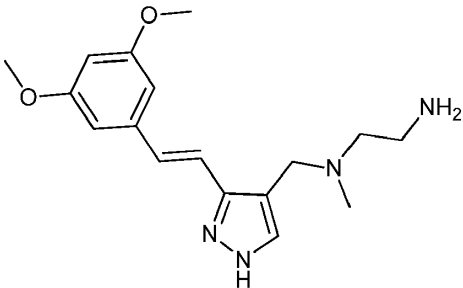
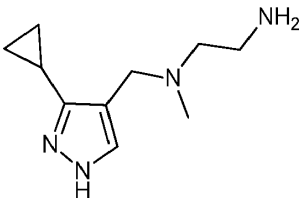
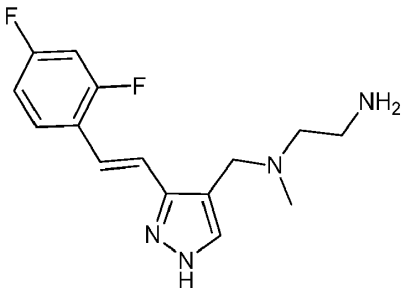
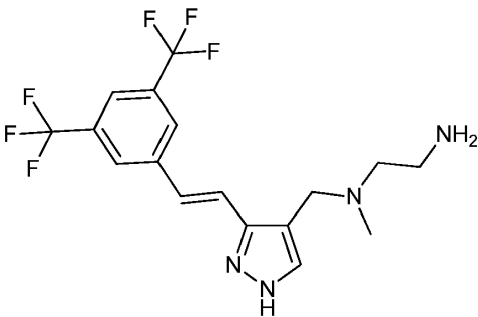
10. En forbindelse ifølge et hvilket som helst av kravene 1-9, hvor R⁵ er hydrogen.

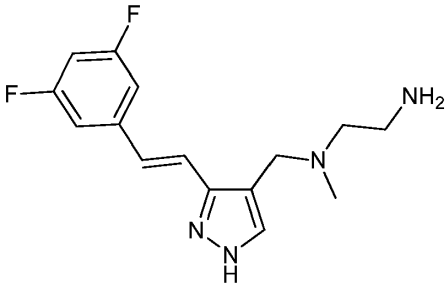
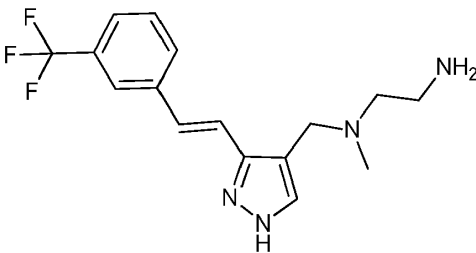
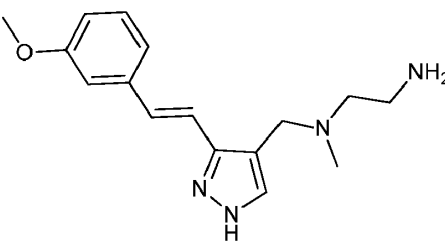
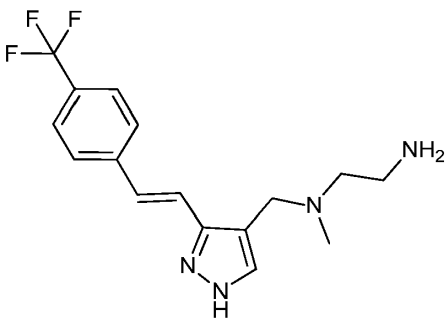
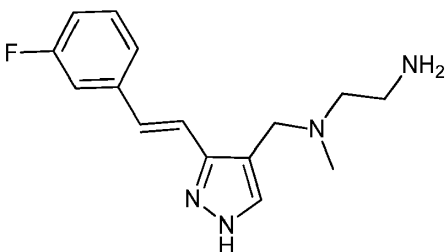
11. En forbindelse ifølge et hvilket som helst av kravene 1-10, hvor R^x er metyl.

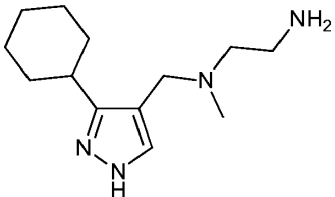
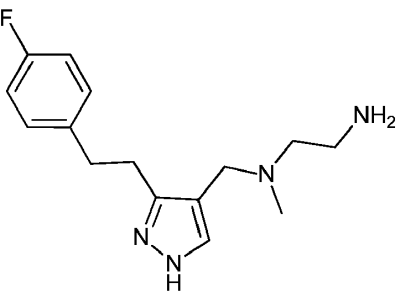
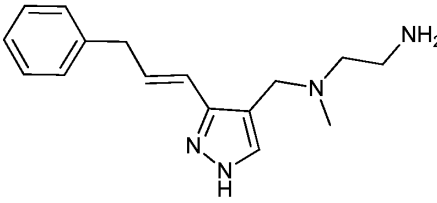
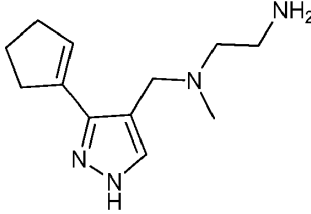
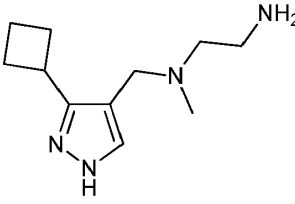
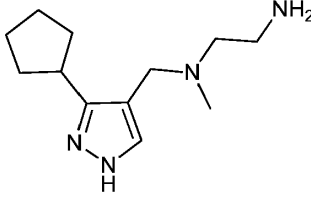
12. En forbindelse ifølge krav 1, hvor forbindelsen er valgt fra gruppen som består av de følgende forbindelsene eller et farmasøytisk akseptabelt salt derav:

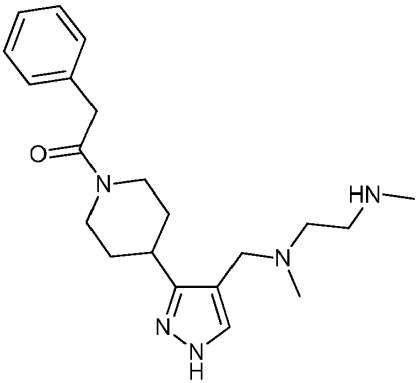
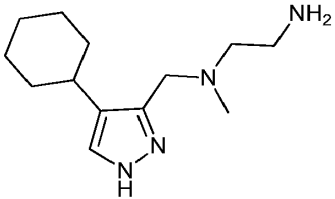
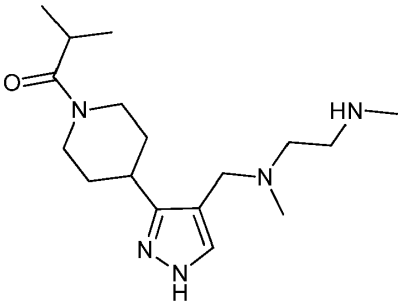
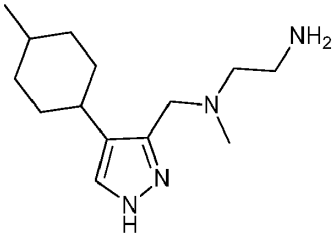
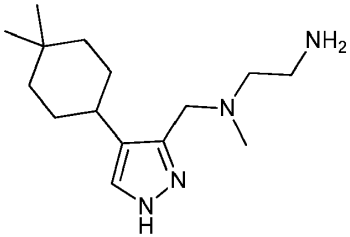
1	 <chem>CN(C)CCCN1C=CN(C1C#Cc2ccc(OC)cc2)C</chem>
2	 <chem>CN(C)CCCN1C=CN(C1C#Cc2ccc(C(C)(C)C)cc2)C</chem>
3	 <chem>CN(C)CCCN1C=CN(C1C#Cc2ccccc2)C</chem>
4	 <chem>CN(C)CCCN1C=CN(C1C#Cc2ccc(F)cc2)C</chem>

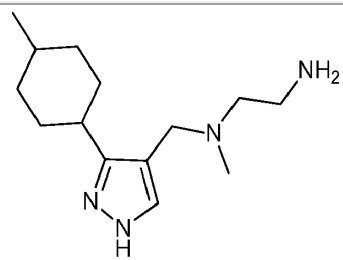
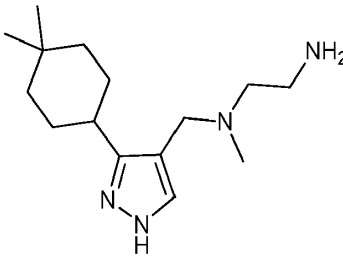
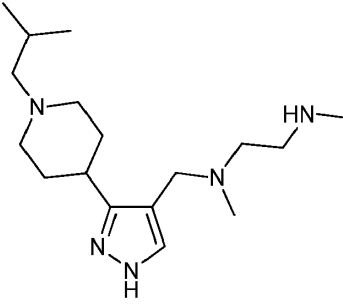
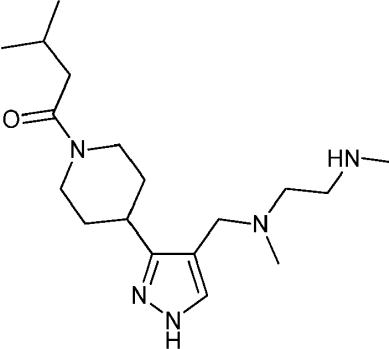
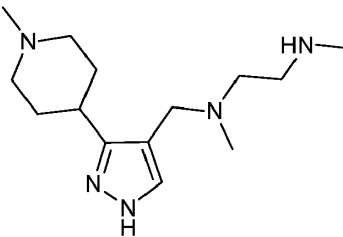
5	 <chem>CN(C)CCN(C)Cc1cc[nH]c1/C=C/c2ccc(cc2)-c3ccccc3</chem>
6	 <chem>CN(C)CCN(C)Cc1cc[nH]c1/C=C/c2ccc(cc2)C(F)(F)F</chem>
7	 <chem>CN(C)CCN(C)Cc1cc[nH]c1/C=C/c2ccc(OC)cc2</chem>
8	 <chem>CN(C)CCN(C)Cc1cc[nH]c1/C=C/c2ccc(C)cc2</chem>
9	 <chem>CN(C)CCN(C)Cc1cc[nH]c1CCCc2ccccc2</chem>

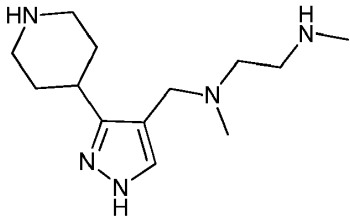
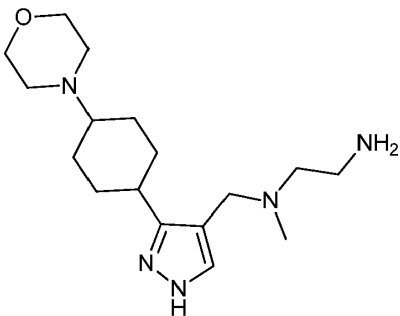
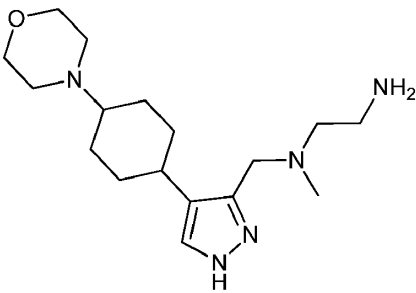
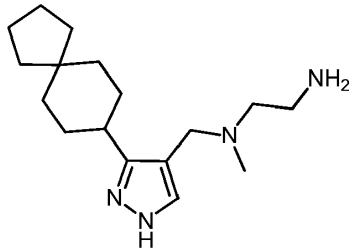
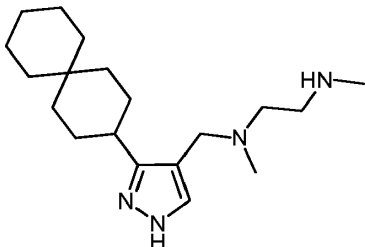
10	 <chem>CN(C)CCc1c[nH]c2c1c[nH]2C3=CC=CC=C3O</chem>
11	 <chem>CN(C)CCc1c[nH]c2c1C=C/C=C/C3=CC(OC)=CC(OC)=C3</chem>
12	 <chem>CN(C)CCc1c[nH]c2c1C3CC3</chem>
13	 <chem>CN(C)CCc1c[nH]c2c1C=C/C=C/C3=CC(F)=CC(F)=C3</chem>
14	 <chem>CN(C)CCc1c[nH]c2c1C=C/C=C/C3=CC(C(F)(F)F)=CC(C(F)(F)F)=C3</chem>

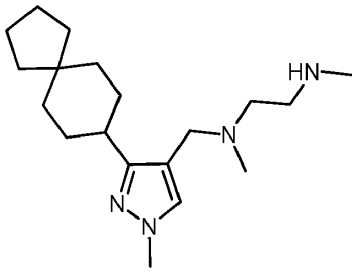
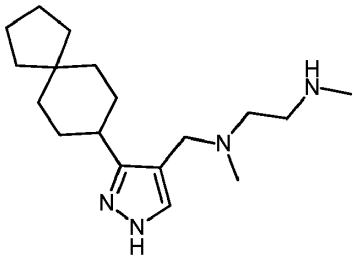
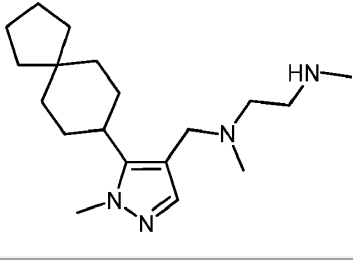
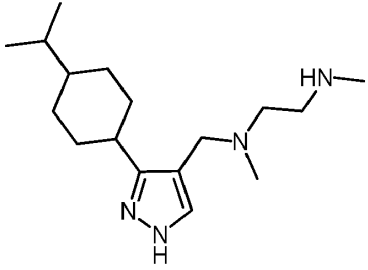
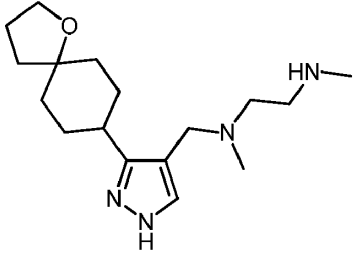
15	 <chem>CN(C)CCc1c[nH]c2c1C=Cc3cc(F)cc(F)c3</chem>
16	 <chem>CN(C)CCc1c[nH]c2c1C=Cc3ccc(C(F)(F)F)cc3</chem>
17	 <chem>CN(C)CCc1c[nH]c2c1C=Cc3ccc(OC)cc3</chem>
18	 <chem>CN(C)CCc1c[nH]c2c1C=Cc3ccc(C(F)F)cc3</chem>
20	 <chem>CN(C)CCc1c[nH]c2c1C=Cc3ccc(F)cc3</chem>

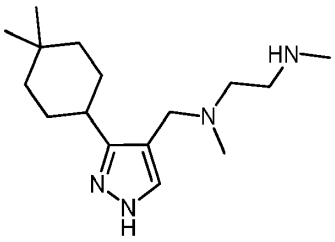
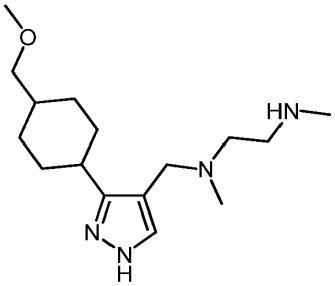
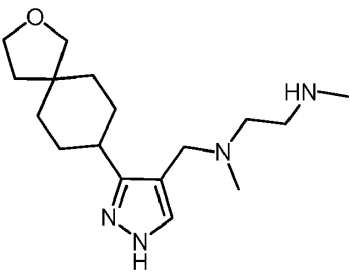
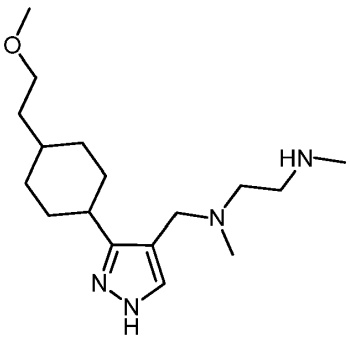
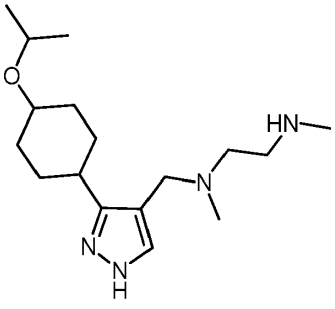
22	 <chem>CN(C)CCc1c[nH]c2c1CC3CCCCC3</chem>
23	 <chem>CN(C)CCc1c[nH]c2c1CC3=CC=C(C=C3)CC4=CC=CC=C4F</chem>
24	 <chem>CN(C)CCc1c[nH]c2c1CC3=CC=CC=C3</chem>
25	 <chem>CN(C)CCc1c[nH]c2c1CC3CCCC3</chem>
26	 <chem>CN(C)CCc1c[nH]c2c1CC3CCC3</chem>
31	 <chem>CN(C)CCc1c[nH]c2c1CC3CCCC3</chem>

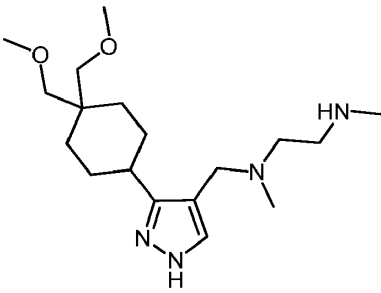
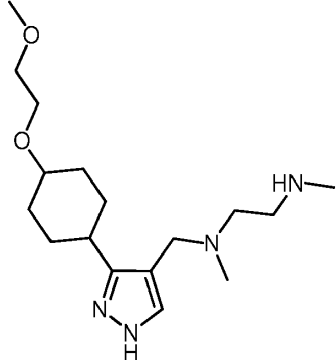
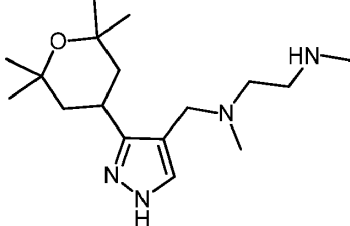
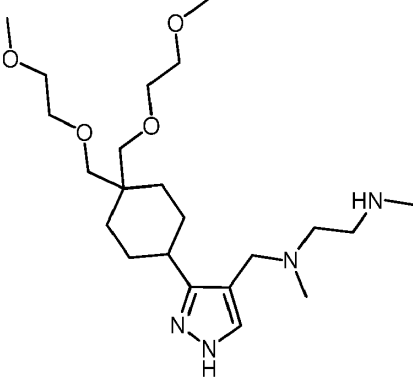
32	 <chem>CN(C)CCCN(C)Cc1c[nH]c2ccccc12C3CCCN(C3)C(=O)Cc4ccccc4</chem>
33	 <chem>CN(C)CCCN(C)Cc1c[nH]c2ccccc12C3CCCCC3</chem>
34	 <chem>CN(C)CCCN(C)Cc1c[nH]c2ccccc12C3CCCN(C3)C(=O)C(C)C</chem>
35	 <chem>CN(C)CCCN(C)Cc1c[nH]c2ccccc12C3CCCC(C)C3</chem>
36	 <chem>CN(C)CCCN(C)Cc1c[nH]c2ccccc12C3C(C)(C)CCCC3</chem>

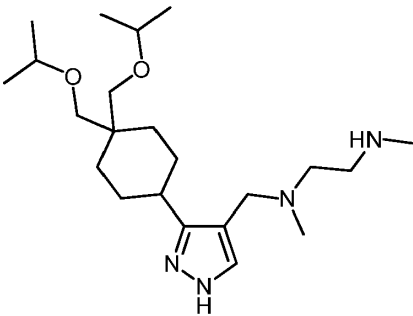
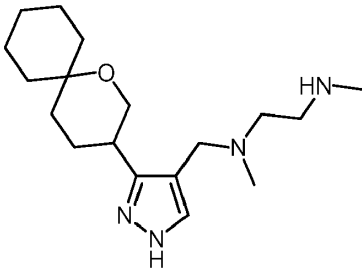
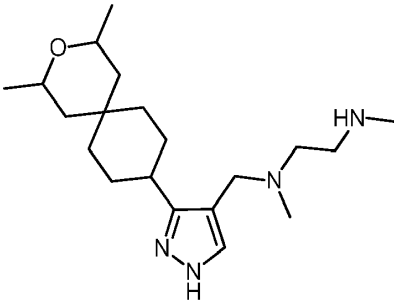
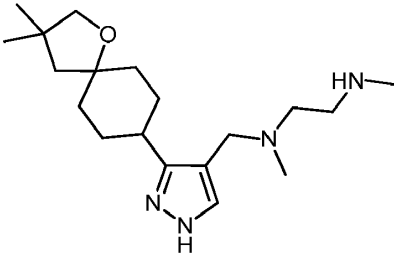
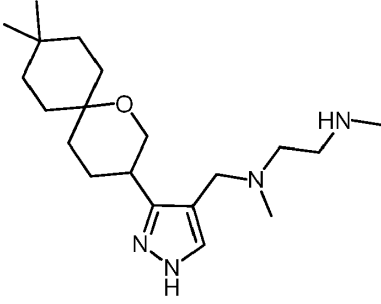
37	 <chem>CC1CCCCC1Cc2c[nH]c3cc(CN(C)CCN)cc23</chem>
38	 <chem>CC1(C)CCCCC1Cc2c[nH]c3cc(CN(C)CCN)cc23</chem>
39	 <chem>CC(C)CN1CCCCC1Cc2c[nH]c3cc(CN(C)CCN(C)C)cc23</chem>
40	 <chem>CC(C)CC(=O)N1CCCCC1Cc2c[nH]c3cc(CN(C)CCN(C)C)cc23</chem>
41	 <chem>CC1CCN(C1)Cc2c[nH]c3cc(CN(C)CCN(C)C)cc23</chem>

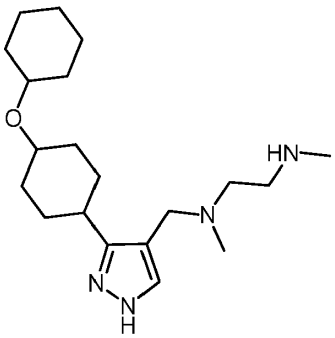
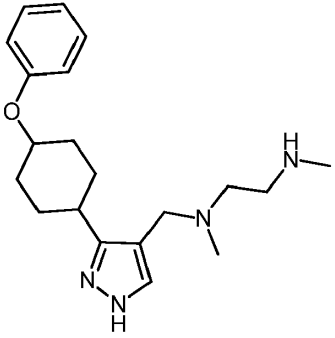
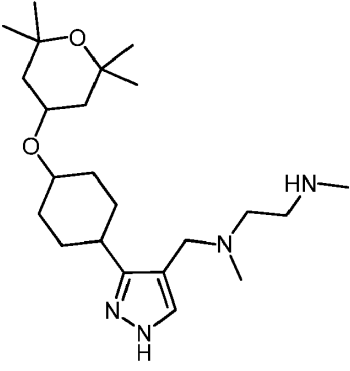
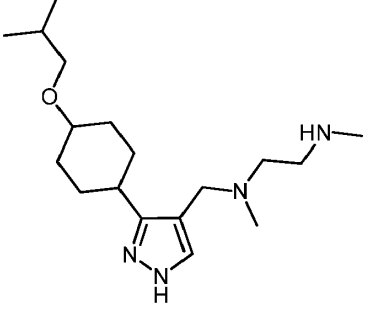
42	 <chem>CN(C)CCc1cc[nH]c1C2CCNCC2</chem>
43	 <chem>NCCCN(C)Cc1cc[nH]c1C2CCC(CC2)N3CCOCC3</chem>
44	 <chem>NCCCN(C)Cc1nn[nH]c1C2CCC(CC2)N3CCOCC3</chem>
45	 <chem>NCCCN(C)Cc1cc[nH]c1C2CCC(CC2)C3CCCC3</chem>
46	 <chem>CN(C)CCc1cc[nH]c1C2CCC(CC2)C3CCCC3</chem>

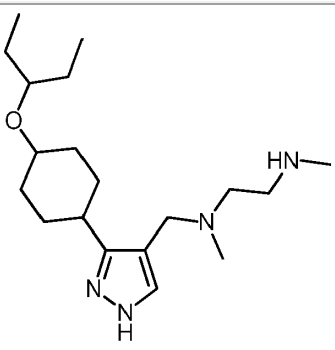
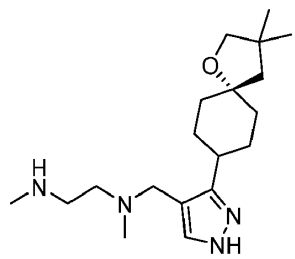
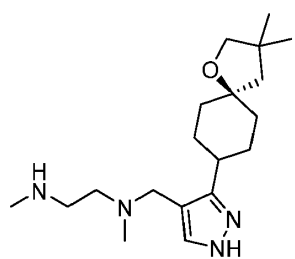
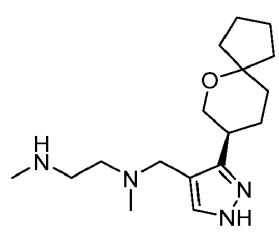
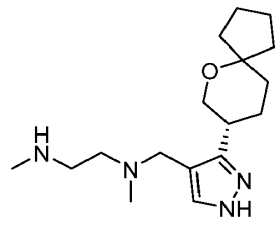
47	
48	
49	
50	
51	

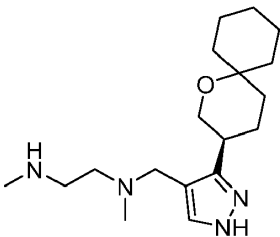
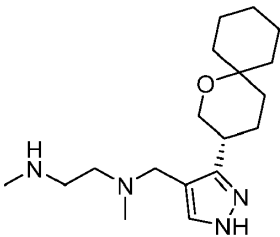
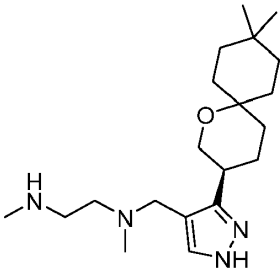
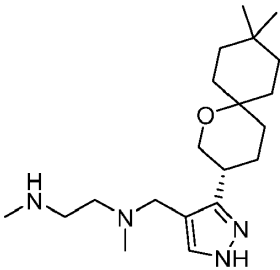
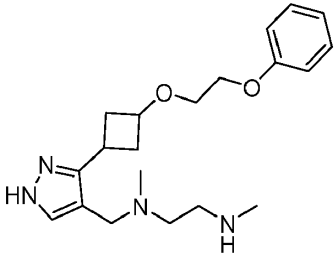
52	 <chem>CN(C)CCCN(C)Cc1c[nH]c2c1Cc3c(C)cc(C)(C)cc3C</chem>
53	 <chem>CN(C)CCCN(C)Cc1c[nH]c2c1Cc3c(COC)ccc3C</chem>
54	 <chem>CN(C)CCCN(C)Cc1c[nH]c2c1Cc3c(C)cc(C)(C)cc3C4C5C6C(C)CC(C)OC5C6C4</chem>
55	 <chem>CN(C)CCCN(C)Cc1c[nH]c2c1Cc3c(COC)ccc3C</chem>
56	 <chem>CN(C)CCCN(C)Cc1c[nH]c2c1Cc3c(C)cc(C)(C)cc3C4C5C6C(C)CC(C)OC5C6C4</chem>

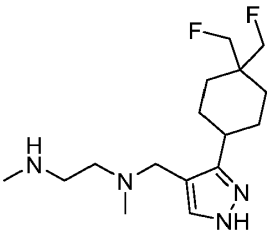
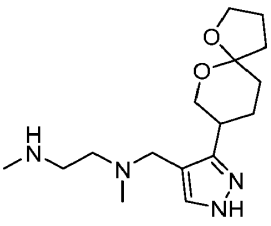
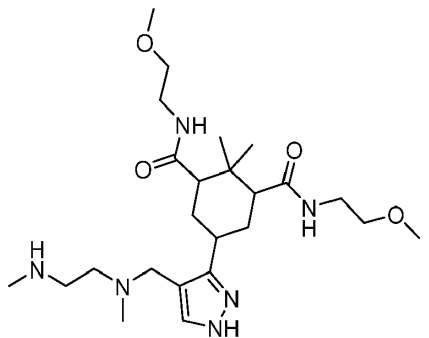
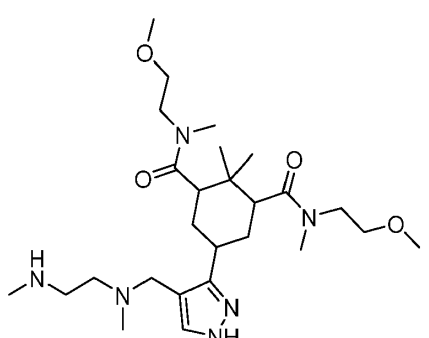
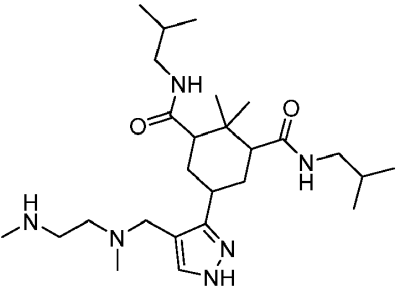
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58	 <chem>CN(C)CCc1c[nH]c2ccccc12COCCOC</chem>
59	 <chem>CN(C)CCc1c[nH]c2ccccc12C1(C)COC(C)(C)CC1</chem>
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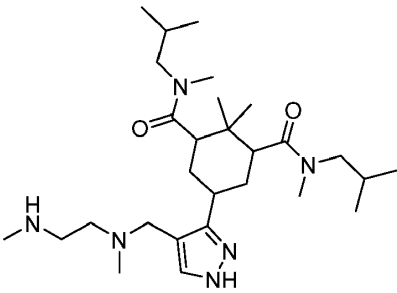
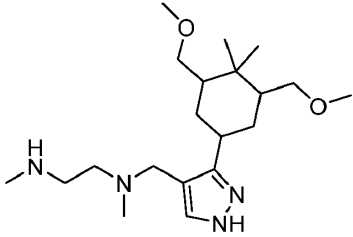
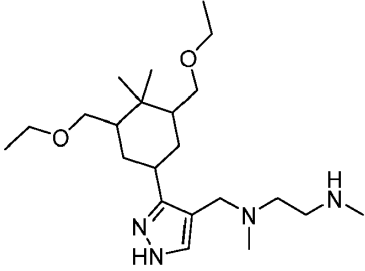
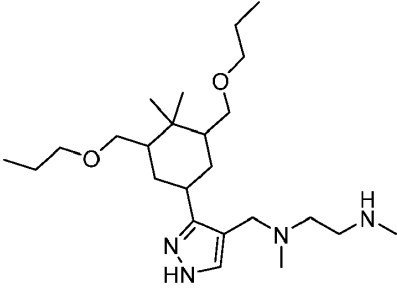
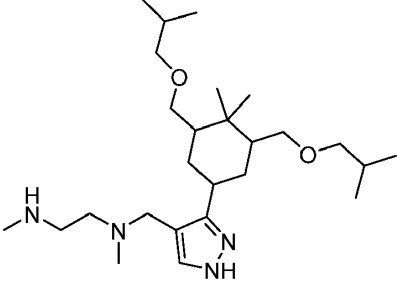
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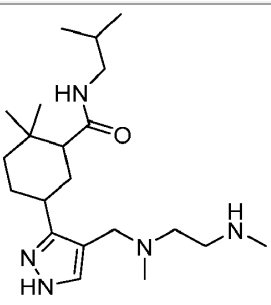
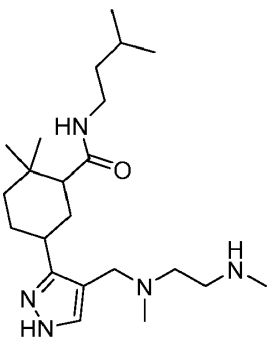
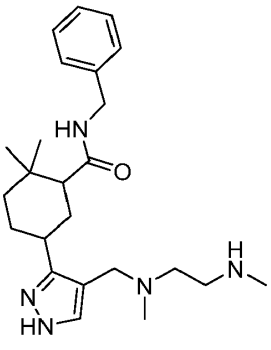
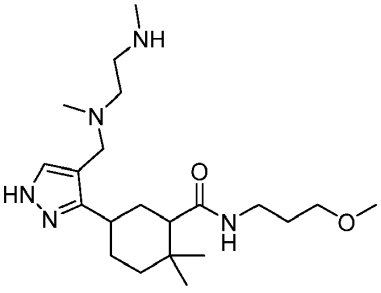
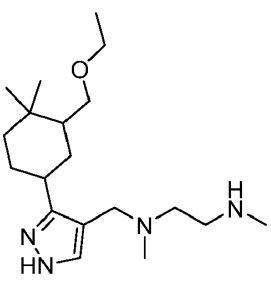
66	 <chem>CN(C)CCCN(C)Cc1c[nH]c2cc(CCN3CCCCC3OC4CCCCC4)cc12</chem>
67	 <chem>CN(C)CCCN(C)Cc1c[nH]c2cc(CCN3CCCCC3OC4=CC=CC=C4)cc12</chem>
68	 <chem>CN(C)CCCN(C)Cc1c[nH]c2cc(CCN3CCCCC3OC4CC(C)(C)OCC4(C)C)cc12</chem>
69	 <chem>CN(C)CCCN(C)Cc1c[nH]c2cc(CCN3CCCCC3OC4CC(C)C)cc12</chem>

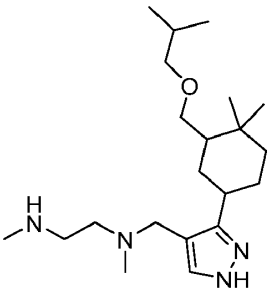
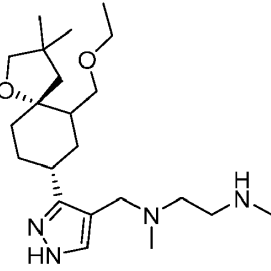
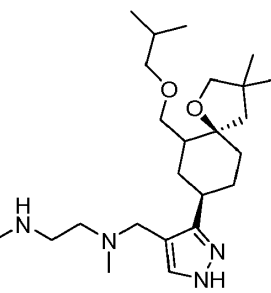
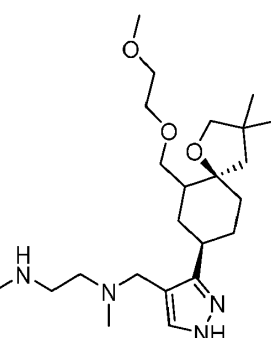
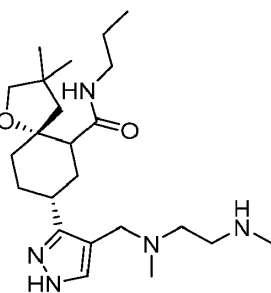
70	 <chem>CCN(CC)CCCN(C)Cc1cc[nH]c1C2=CC=C(C=C2)OC(C)CC</chem>
71	 <chem>CCN(CC)CCCN(C)Cc1cc[nH]c1C2=CC=C(C=C2)OC(C)CC</chem>
72	 <chem>CCN(CC)CCCN(C)Cc1cc[nH]c1C2=CC=C(C=C2)OC(C)CC</chem>
73	 <chem>CCN(CC)CCCN(C)Cc1cc[nH]c1C2=CC=C(C=C2)OC(C)CC</chem>
74	 <chem>CCN(CC)CCCN(C)Cc1cc[nH]c1C2=CC=C(C=C2)OC(C)CC</chem>

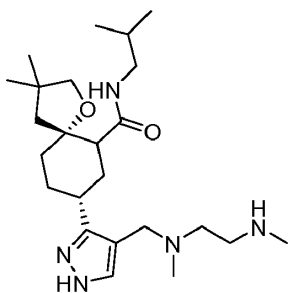
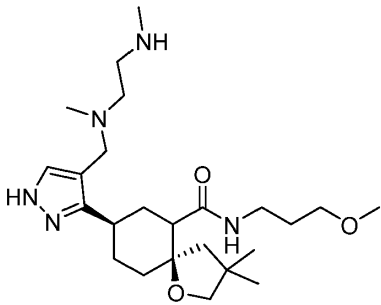
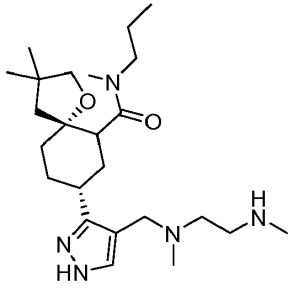
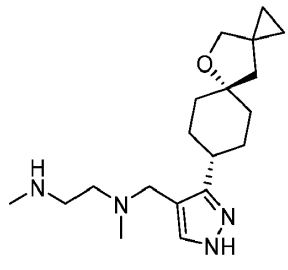
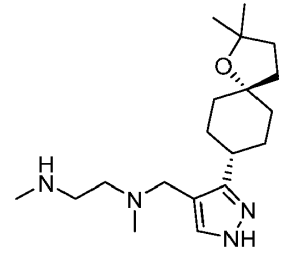
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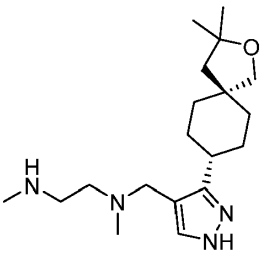
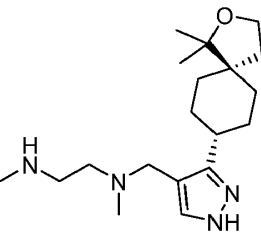
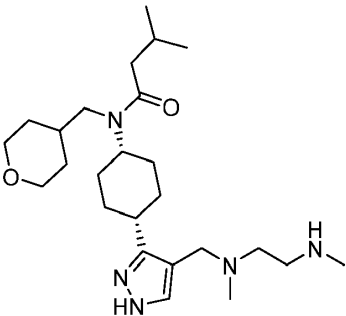
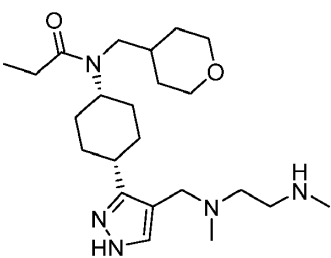
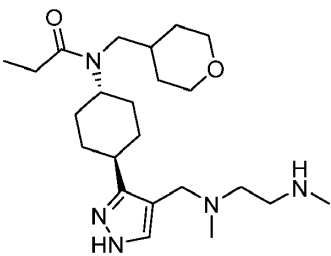
80	 <chem>CN(C)CCc1c[nH]cn1C2CCCCC2C(F)F</chem>
81	 <chem>CN(C)CCc1c[nH]cn1C2CCCCC2C3OCCO3</chem>
82	 <chem>CN(C)CCc1c[nH]cn1C2CC(C)(C)C(C(=O)NCCOC)C(=O)NCCOC2</chem>
83	 <chem>CN(C)CCc1c[nH]cn1C2CC(C)(C)C(C(=O)NCCOC)C(=O)NCCOC2</chem>
84	 <chem>CC(C)CNC(=O)C1C(C)C(C)C(C(=O)NCC(C)C)C1C2=CN=C(NC(C)CC)N2</chem>

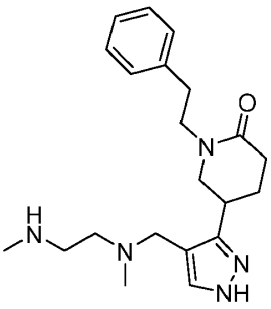
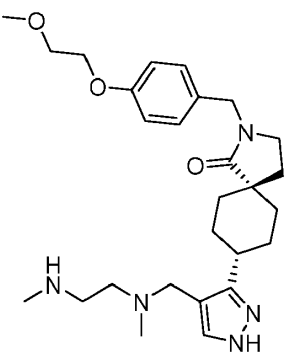
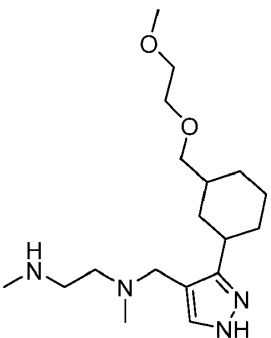
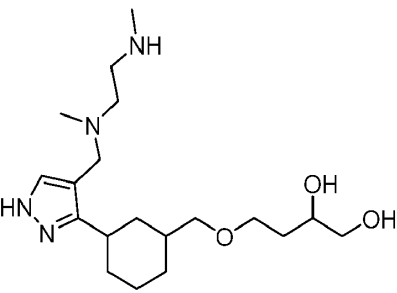
85	 <chem>CC(C)CN(C)C(=O)C1CC(C(C1)CN(C)CC(C)C)C2=CN(C)CC2N(C)CCN(C)C</chem>
86	 <chem>COCC1CC(C(C1)CN(C)CC(C)C)C2=CN(C)CC2N(C)CCN(C)C</chem>
87	 <chem>CCOCC1CC(C(C1)CN(C)CC(C)C)C2=NNC=C2N(C)CCN(C)C</chem>
88	 <chem>CCCOCC1CC(C(C1)CN(C)CC(C)C)C2=NNC=C2N(C)CCN(C)C</chem>
89	 <chem>CC(C)COCC1CC(C(C1)CN(C)CC(C)C)C2=NNC=C2N(C)CCN(C)C</chem>

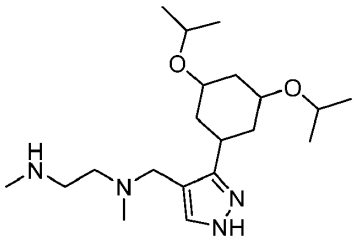
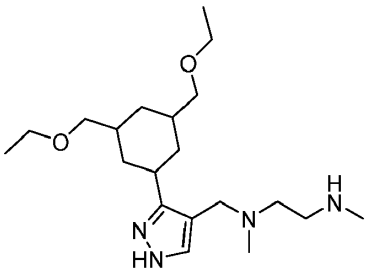
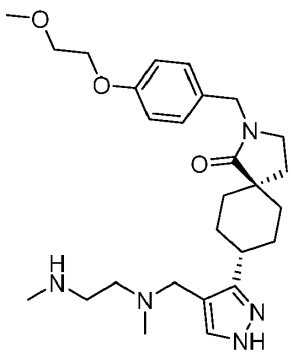
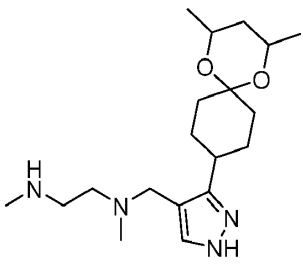
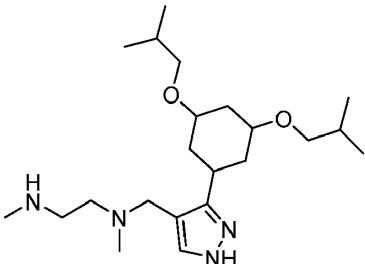
90	 <chem>CC(C)CCNC(=O)C1CCC(CC1C2=CN=CN2)CN(C)CCNC</chem>
91	 <chem>CC(C)CC(C)CCNC(=O)C1CCC(CC1C2=CN=CN2)CN(C)CCNC</chem>
92	 <chem>CC1(C)CCC(CC1C2=CN=CN2)CN(C)CCNC(=O)CC3=CC=CC=C3</chem>
93	 <chem>COCCCNCC(=O)C1CCC(CC1C2=CN=CN2)CN(C)CCNC</chem>
94	 <chem>CCOC1CCC(CC1C2=CN=CN2)CN(C)CCNC</chem>

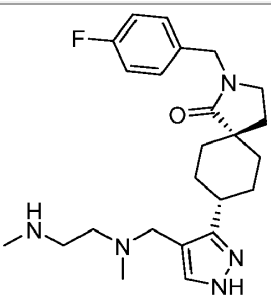
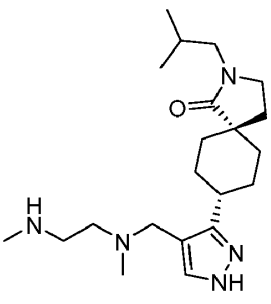
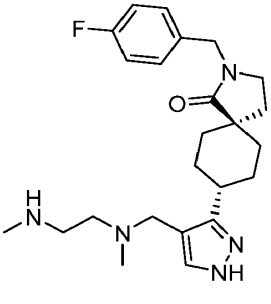
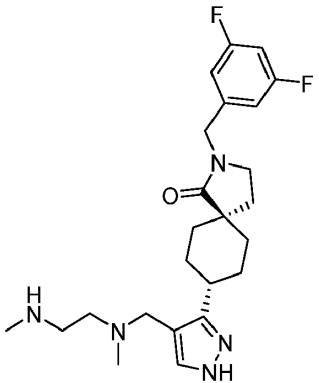
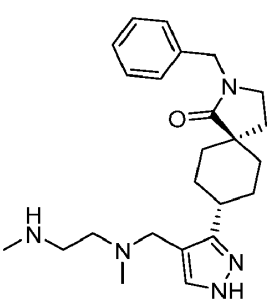
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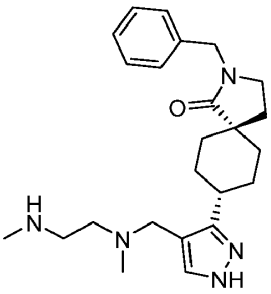
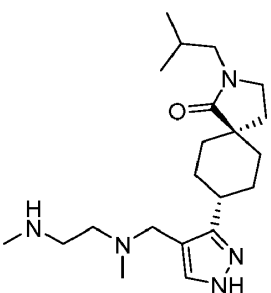
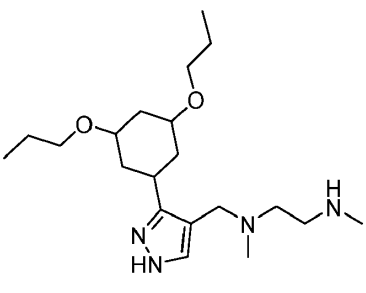
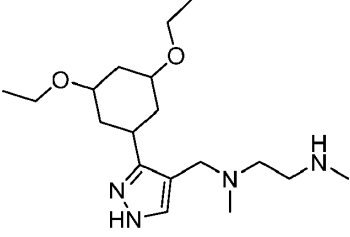
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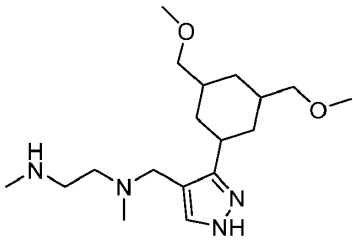
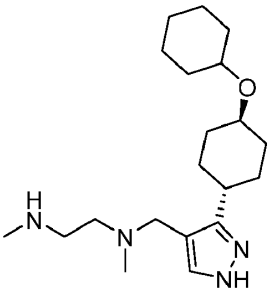
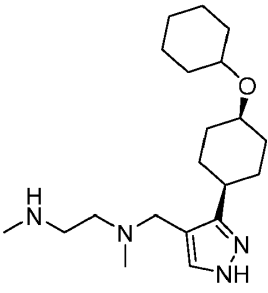
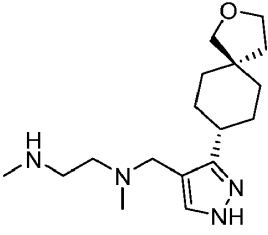
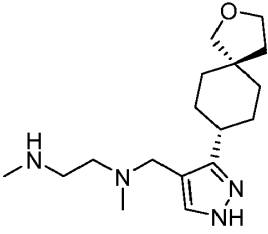
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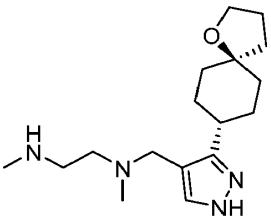
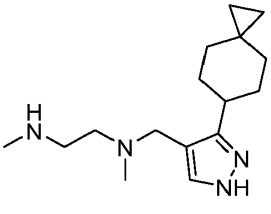
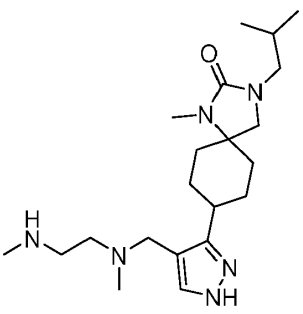
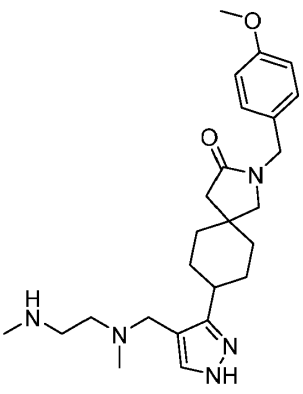
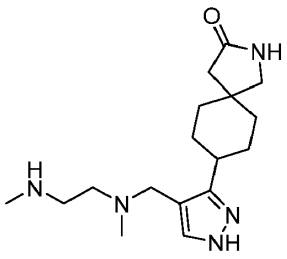
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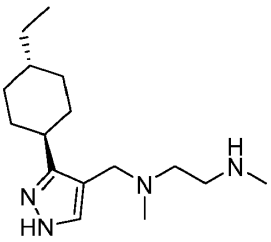
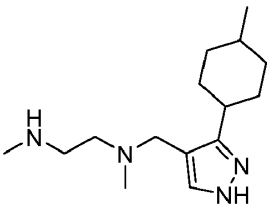
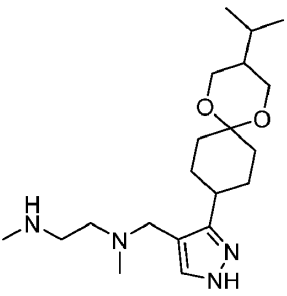
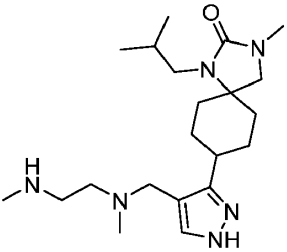
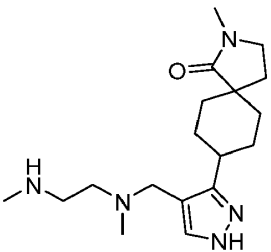
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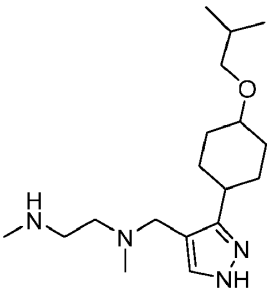
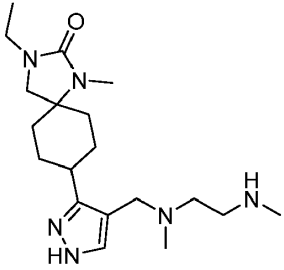
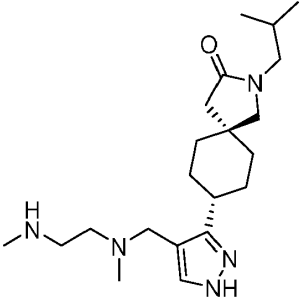
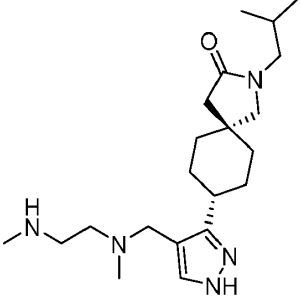
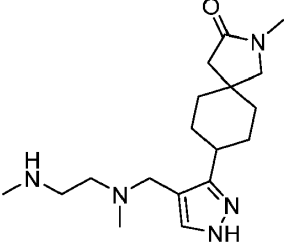
128	 <chem>CN(C)CCN(C)Cc1c[nH]c[nH]1[C@H]2C[C@@H](C(=O)N(Cc3ccccc3)[C@H]2C)C4CCCCC4</chem>
129	 <chem>CC(C)CN(C)C[C@H]1C[C@@H](C(=O)N(C)C)C2CCCCC2[C@H]1c1c[nH]c[nH]1CN(C)CC</chem>
130	 <chem>CN(C)CCN(C)Cc1c[nH]c[nH]1[C@H]2C[C@@H](C3C4CCCCC4C(F)(F)C5CCCCC35)C6CCCCC6</chem>
131	 <chem>CCOC1CC(OC)CC(C1)c2c[nH]c[nH]2CN(C)CCN(C)</chem>
132	 <chem>CCOC1CC(OC)CC(C1)c2c[nH]c[nH]2CN(C)CCN(C)</chem>

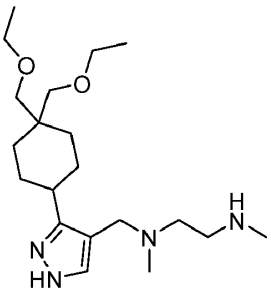
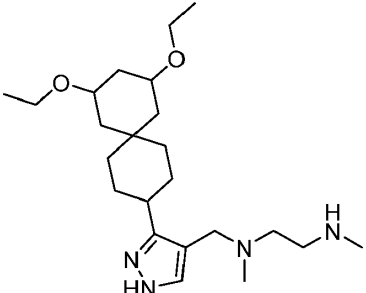
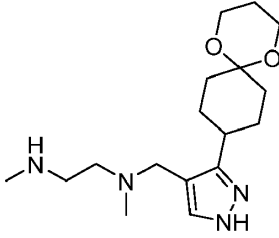
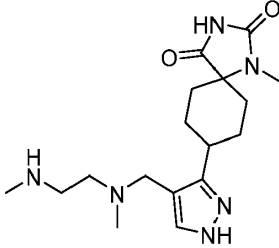
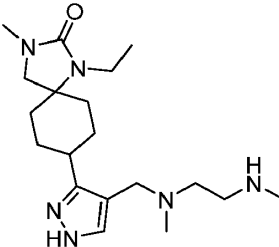
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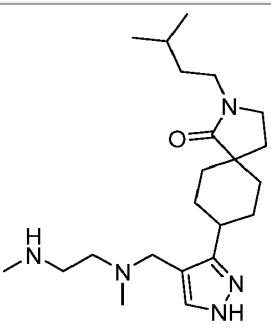
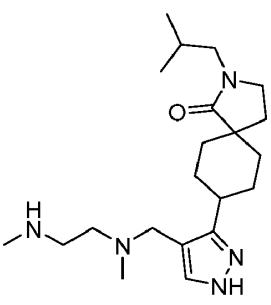
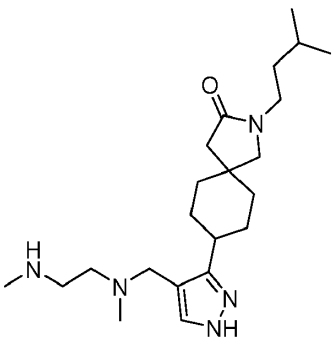
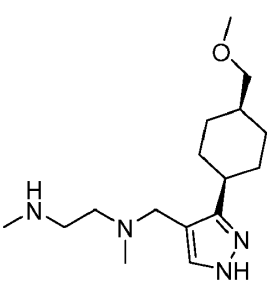
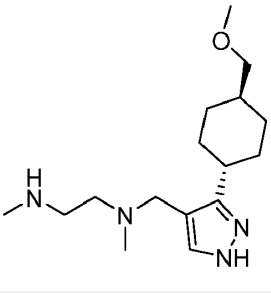
138	 <chem>CN(C)CCN(C)Cc1c[nH]n1C2=CC(OC)C(COC)C2</chem>
139	 <chem>CN(C)CCN(C)Cc1c[nH]n1[C@H]2C[C@@H](C3CCCCC3OC4CCCCC4)CC2</chem>
140	 <chem>CN(C)CCN(C)Cc1c[nH]n1[C@@H]2C[C@H](C3CCCCC3OC4CCCCC4)CC2</chem>
141	 <chem>CN(C)CCN(C)Cc1c[nH]n1[C@H]2C[C@@H](C3CCCCC3OC4CCCCC4)CC2</chem>
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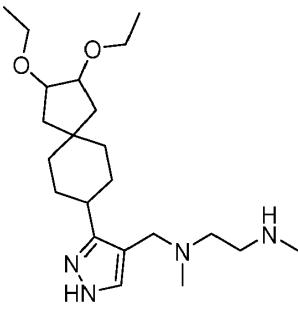
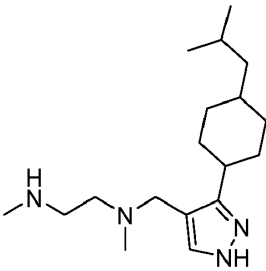
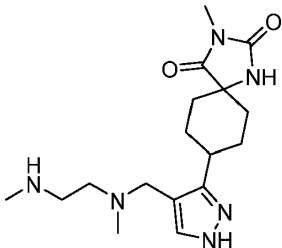
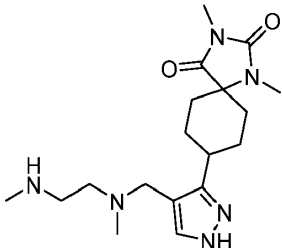
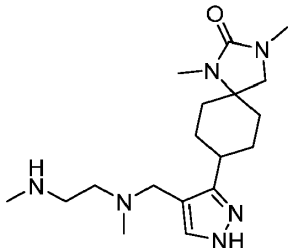
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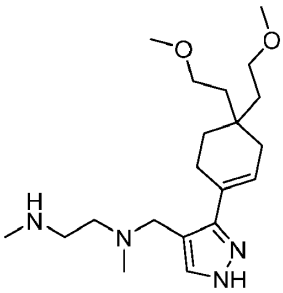
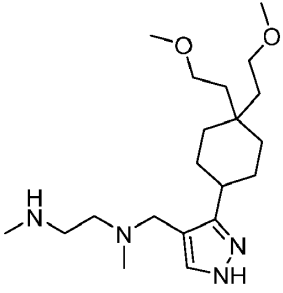
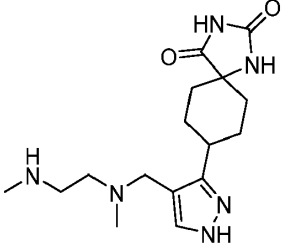
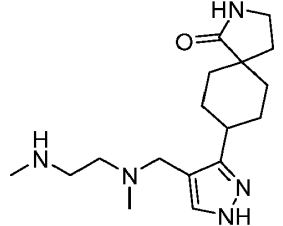
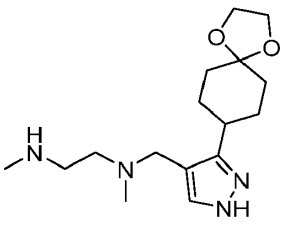
148	 <chem>CN(C)CCNCC1=CN=C(C2=CC=CC=C2C3CCCCC3)C1</chem>
149	 <chem>CN(C)CCNCC1=CN=C(C2=CC=CC=C2C3CCCCC3)C1</chem>
150	 <chem>CC(C)C1OC2(C1)CCCC2C3=CN=C(C4=CC=CC=C4C5CCCCC5)C3</chem>
151	 <chem>CC(C)C1OC2(C1)CCCC2C3=CN=C(C4=CC=CC=C4C5CCCCC5)C3</chem>
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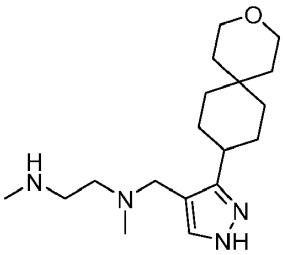
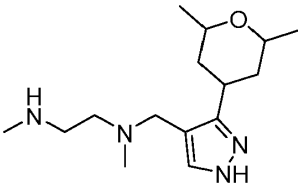
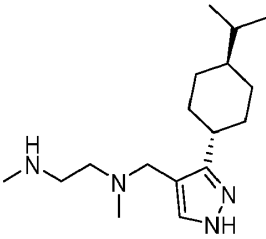
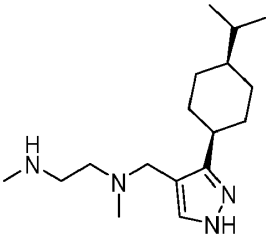
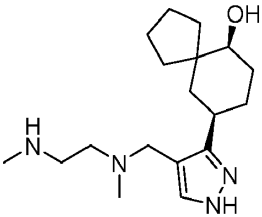
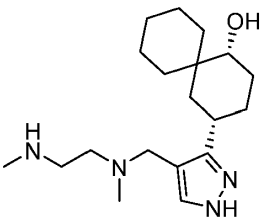
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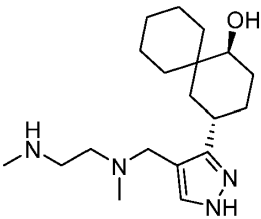
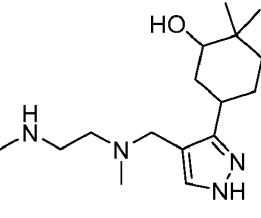
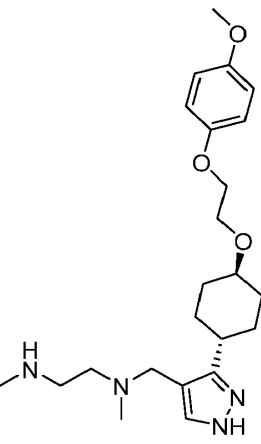
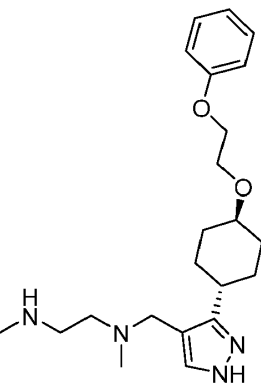
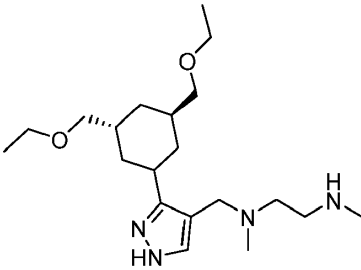
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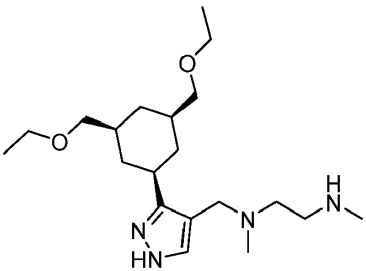
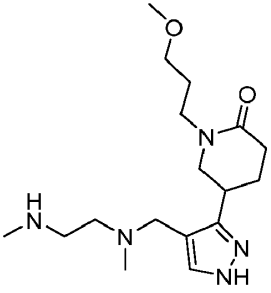
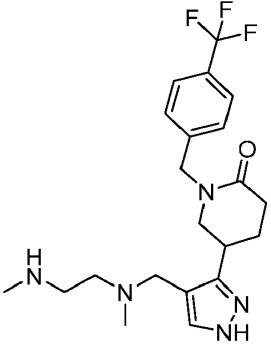
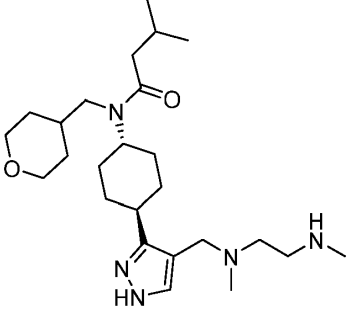
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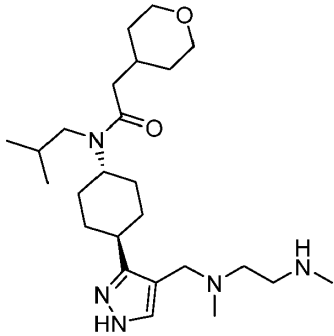
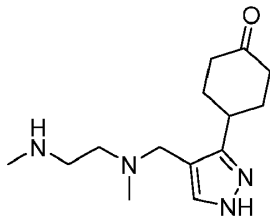
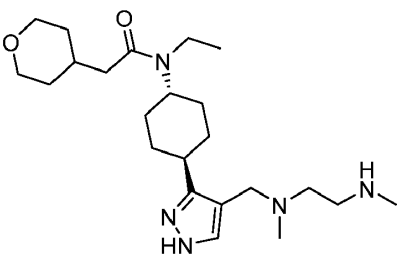
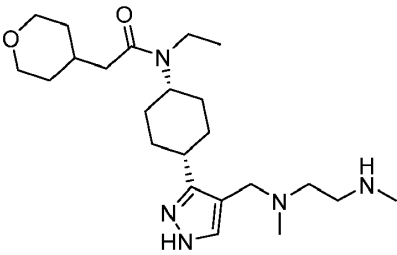
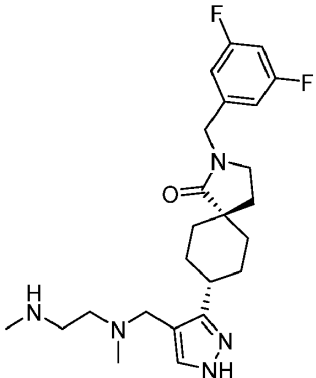
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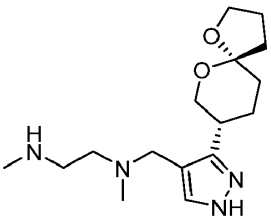
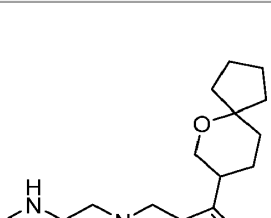
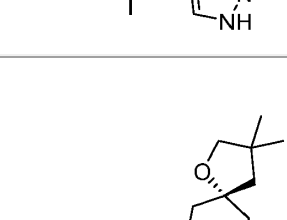
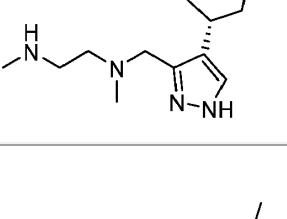
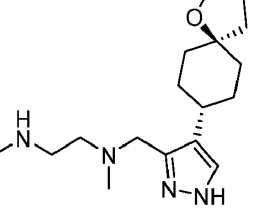
173	 <chem>CN(C)CCc1c[nH]c2c1C3(COC3)COC2</chem>
174	 <chem>CN(C)CCc1c[nH]c2c1C3(COC3)COC2</chem>
175	 <chem>CN(C)CCc1c[nH]c2c1C3(CCCC3C4=NC(=O)NC=O4)C2</chem>
176	 <chem>CN(C)CCc1c[nH]c2c1C3(CCCC3C4=NC(=O)NC=O4)C2</chem>
177	 <chem>CN(C)CCc1c[nH]c2c1C3(CCCC3C4OCOC4)C2</chem>

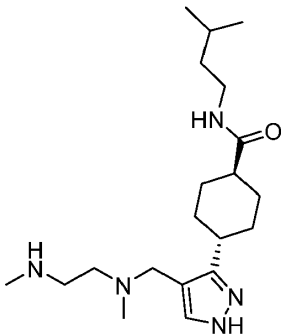
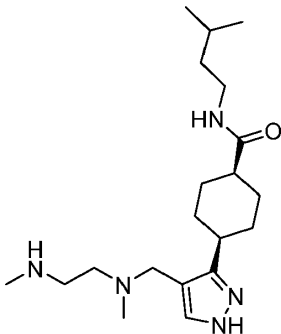
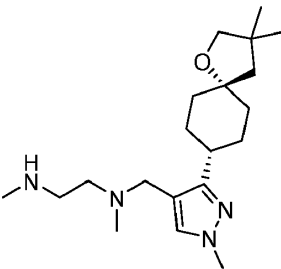
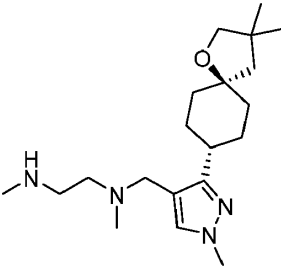
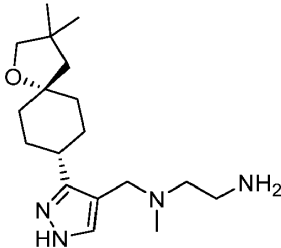
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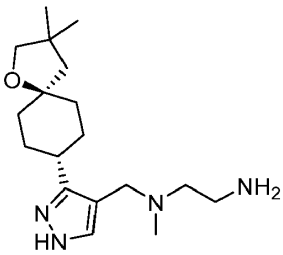
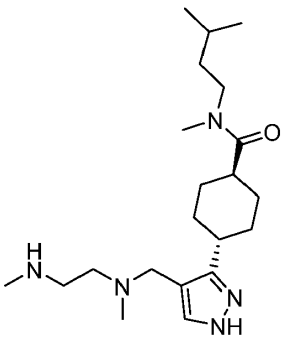
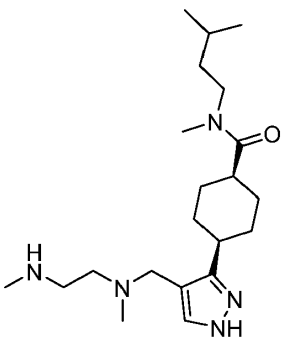
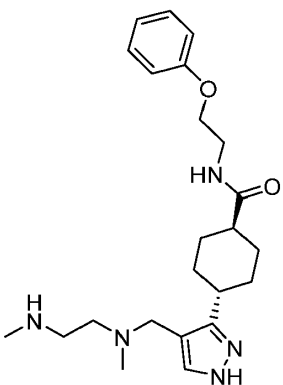
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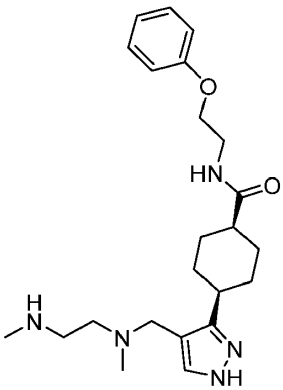
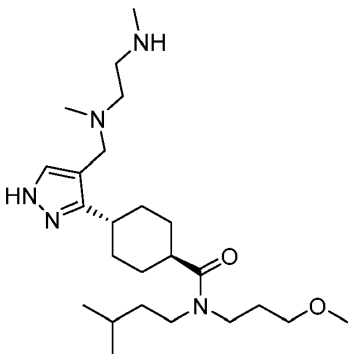
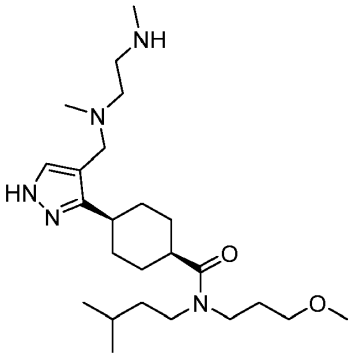
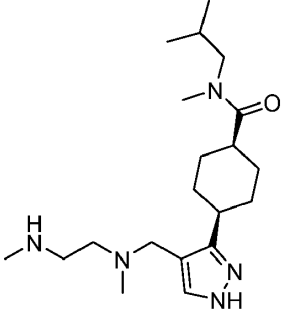
189	 <chem>CCOCC[C@H]1CC[C@@H](C[C@H]2C=CN[C@H]2CN(C)CCN(C)C)[C@H]1CCOCC</chem>
190	 <chem>COCCN1CCCCC1=O[C@H]2CC[C@H](C[C@H]3C=CN[C@H]3CN(C)CCN(C)C)C2</chem>
191	 <chem>FC(F)(F)c1ccc(cc1)CN2CCCCC2=O[C@H]3CC[C@H](C[C@H]4C=CN[C@H]4CN(C)CCN(C)C)C3</chem>
192	 <chem>CC(C)CC(=O)N[C@H]1CCOC1[C@H]2CCCC[C@H]2[C@H]3C=CN[C@H]3CN(C)CCN(C)C</chem>

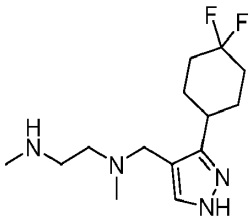
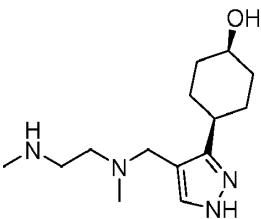
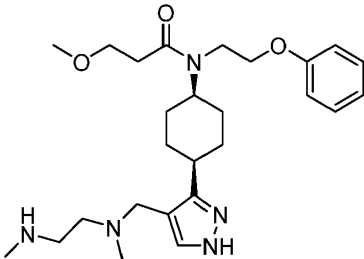
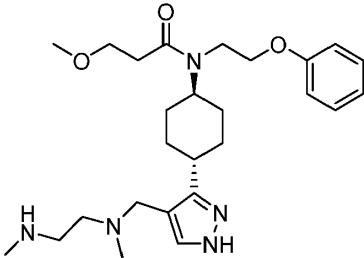
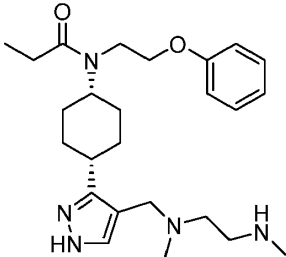
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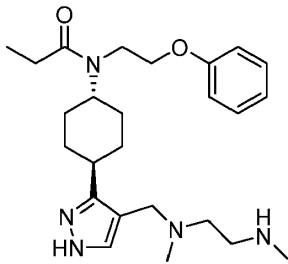
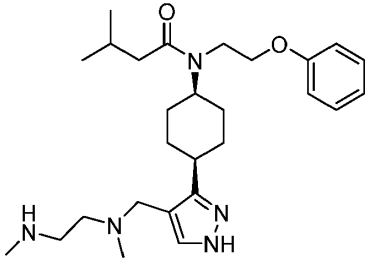
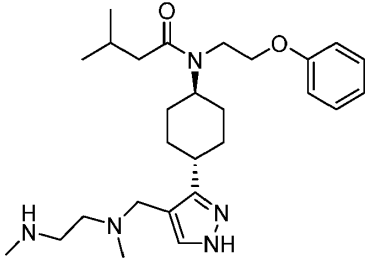
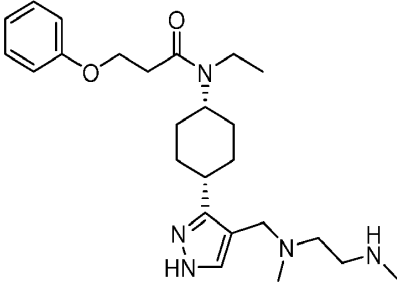
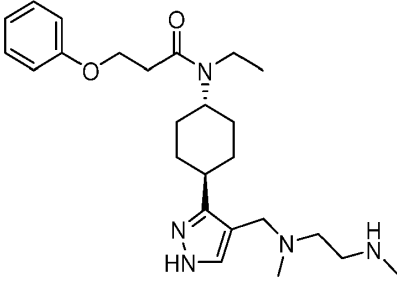
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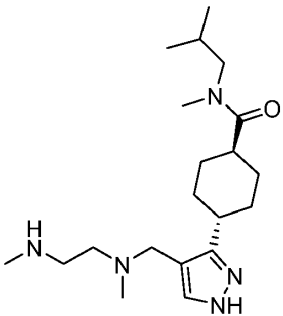
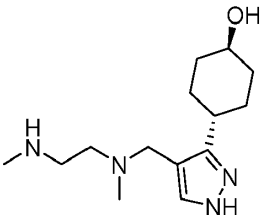
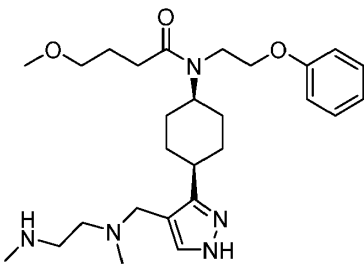
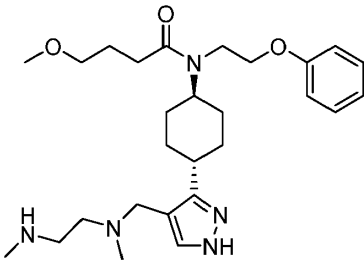
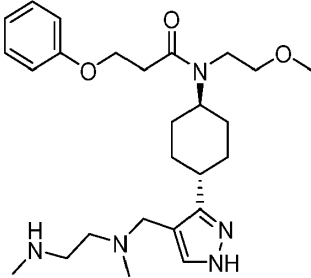
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208	 <chem>CN(C)CC[C@H]1C[C@@H](C2=CN=C[C@H]2C3CC[C@H](C3)OC4(C)CC4)[C@H](C1)C5=CN=CN5</chem>
209	 <chem>CC(C)CN(C)CC[C@H]1C[C@@H](C2=NN=C[C@H]2C3CC[C@H](C3)N(C)CC(C)C)[C@H](C1)C4=NN=CC[C@H]4C5CC[C@H](C5)N(C)CC(C)C</chem>
210	 <chem>CC(C)CN(C)CC[C@H]1C[C@@H](C2=NN=C[C@H]2C3CC[C@H](C3)N(C)CC(C)C)[C@H](C1)C4=NN=CC[C@H]4C5CC[C@H](C5)N(C)CC(C)C</chem>
211	 <chem>CC(C)CN(C)CC[C@H]1C[C@@H](C2=NN=C[C@H]2C3CC[C@H](C3)N(C)CC(C)C)[C@H](C1)C4=NN=CC[C@H]4C5CC[C@H](C5)N(C)CC(C)C</chem>

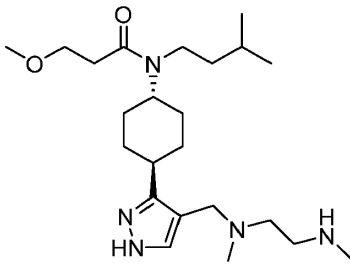
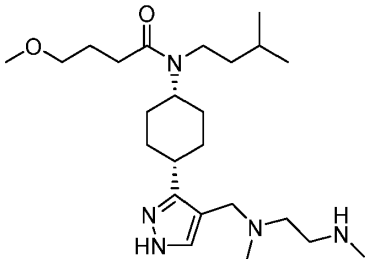
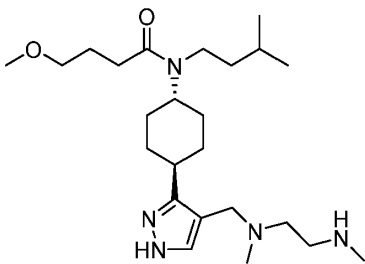
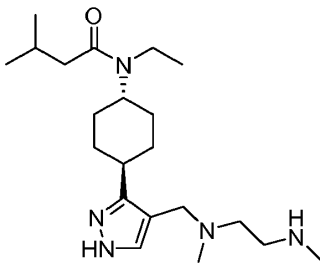
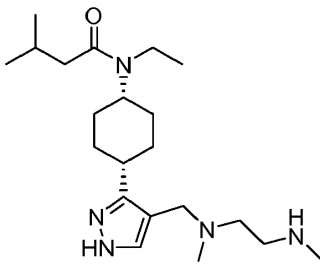
212	 <chem>COc1ccc(cc1)OCCNC(=O)[C@H]2CCCC[C@@H]2C[C@H]3C=NC=C[C@H]3CN(C)CCN(C)C</chem>
213	 <chem>COCCCN(C(=O)[C@H]2CCCC[C@H]2C[C@H]3C=NC=C[C@H]3CN(C)CCN(C)C)CC(C)C</chem>
214	 <chem>COCCCN(C(=O)[C@H]2CCCC[C@H]2C[C@H]3C=NC=C[C@H]3CN(C)CCN(C)C)CC(C)C</chem>
215	 <chem>CC(C)CNC(=O)[C@H]2CCCC[C@@H]2C[C@H]3C=NC=C[C@H]3CN(C)CCN(C)C</chem>

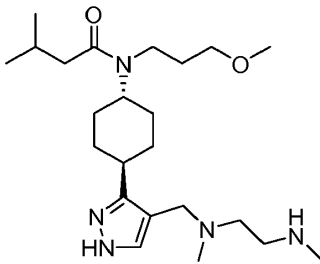
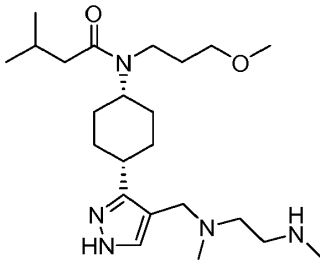
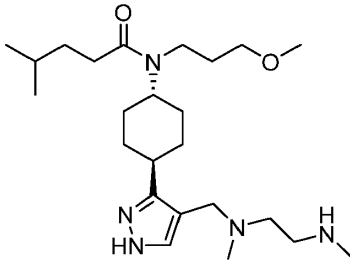
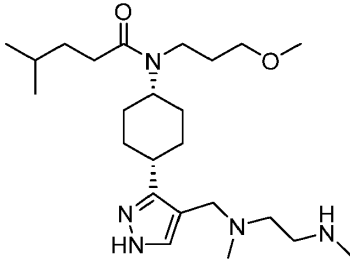
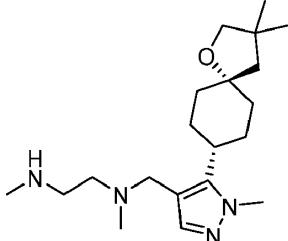
216	 <chem>CN(C)CCc1c[nH]c(C2CCC(CC2)F)cn1</chem>
217	 <chem>CN(C)CCc1c[nH]c(C2CCC(CC2)O)cn1</chem>
218	 <chem>CN(C)CCc1c[nH]c(C2CCC(CC2)C(=O)N(CCCOC3=CC=CC=C3)CC)cn1</chem>
219	 <chem>CN(C)CCc1c[nH]c(C2CCC(CC2)C(=O)N(CCCOC3=CC=CC=C3)CC)cn1</chem>
220	 <chem>CN(C)CCc1c[nH]c(C2CCC(CC2)C(=O)N(CCCOC3=CC=CC=C3)CC)cn1</chem>

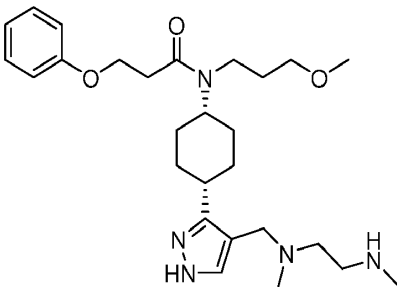
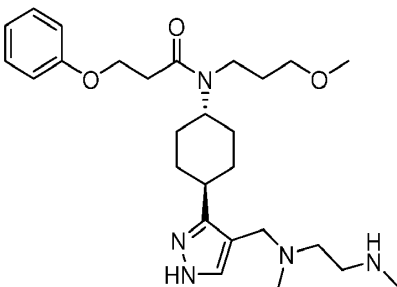
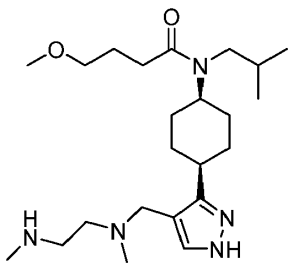
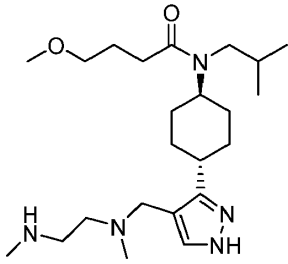
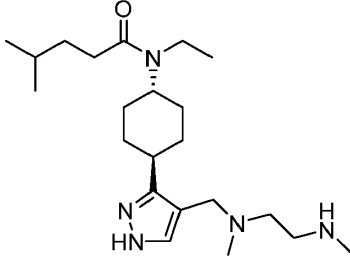
221	 <chem>CC(=O)N(CC)COc1ccccc1[C@H]2CCCC[C@@H]2c3c[nH]cn3CN(C)CC</chem>
222	 <chem>CC(C)CC(=O)N(CC)COc1ccccc1[C@H]2CCCC[C@@H]2c3c[nH]cn3CN(C)CC</chem>
223	 <chem>CC(C)CC(=O)N(CC)COc1ccccc1[C@H]2CCCC[C@@H]2c3c[nH]cn3CN(C)CC</chem>
224	 <chem>CC(=O)N(CC)CCOc1ccccc1[C@H]2CCCC[C@@H]2c3c[nH]cn3CN(C)CC</chem>
225	 <chem>CC(=O)N(CC)CCOc1ccccc1[C@H]2CCCC[C@@H]2c3c[nH]cn3CN(C)CC</chem>

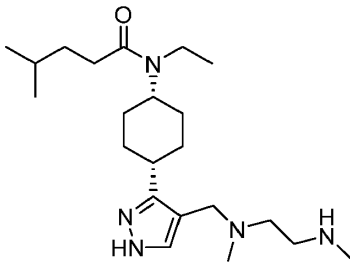
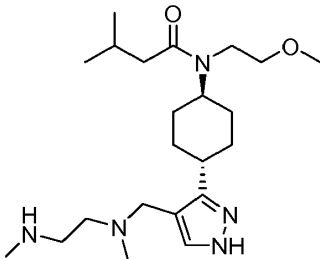
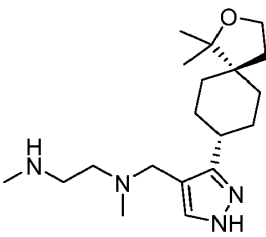
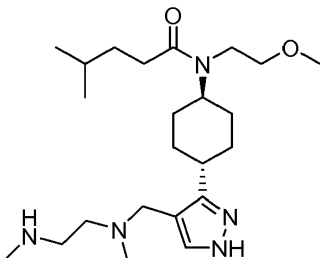
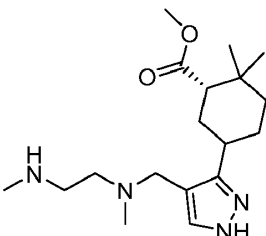
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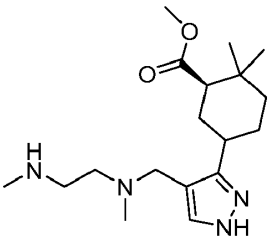
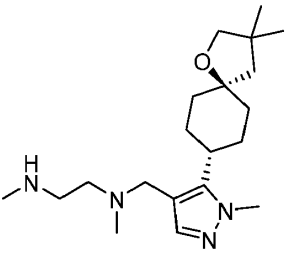
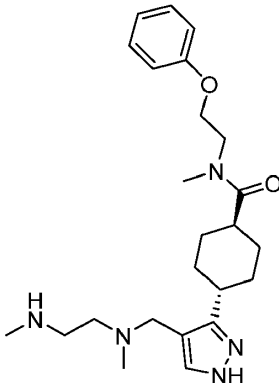
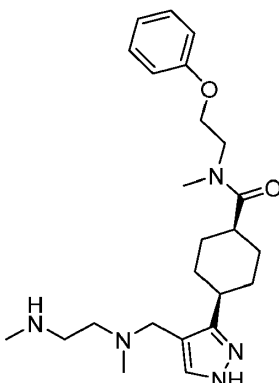
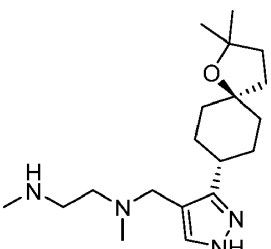
[illegible]

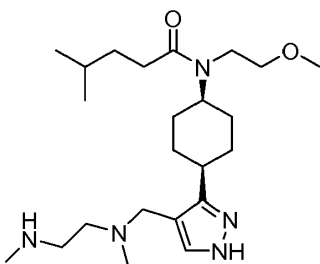
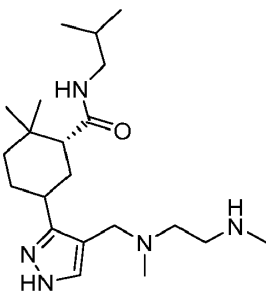
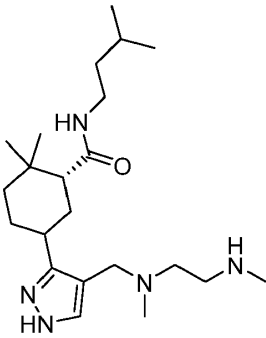
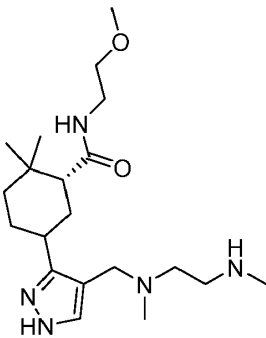
236	 <chem>COCCCN(C(=O)N(C)CC(C)C)[C@H]1CCCC[C@@H]1C2=CN=C(CN2)CN(C)CCN(C)</chem>
237	 <chem>COCCCN(C(=O)N(C)CC(C)C)[C@H]1CCCC[C@@H]1C2=CN=C(CN2)CN(C)CCN(C)</chem>
238	 <chem>COCCCN(C(=O)N(C)CC(C)C)[C@H]1CCCC[C@@H]1C2=CN=C(CN2)CN(C)CCN(C)</chem>
239	 <chem>CC(C)C(=O)N(C)CC[C@H]1CCCC[C@@H]1C2=CN=C(CN2)CN(C)CCN(C)</chem>
240	 <chem>CC(C)C(=O)N(C)CC[C@H]1CCCC[C@@H]1C2=CN=C(CN2)CN(C)CCN(C)</chem>

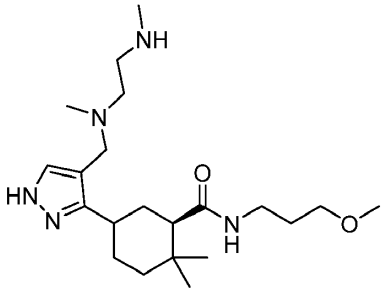
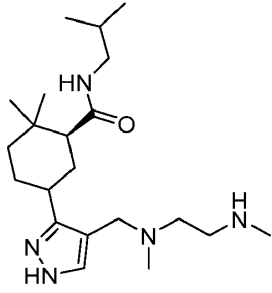
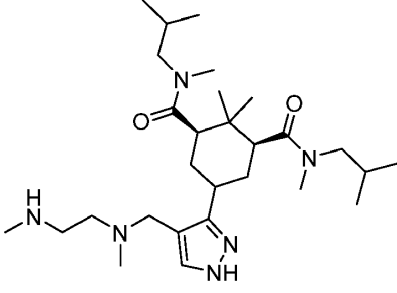
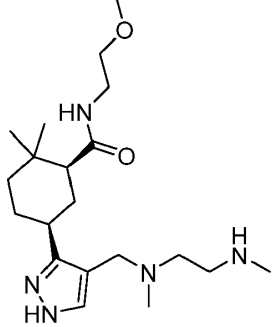
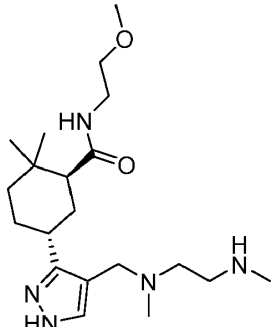
241	 <chem>COCCCN(C(=O)C(C)C)[C@H]1CCCC[C@@H]1C2=CN=C(CN2)CN(C)CCN</chem>
242	 <chem>COCCCN(C(=O)C(C)C)[C@H]1CCCC[C@@H]1C2=CN=C(CN2)CN(C)CCN</chem>
243	 <chem>COCCCN(C(=O)C(C)CC)[C@H]1CCCC[C@@H]1C2=CN=C(CN2)CN(C)CCN</chem>
244	 <chem>COCCCN(C(=O)C(C)CC)[C@H]1CCCC[C@@H]1C2=CN=C(CN2)CN(C)CCN</chem>
245	 <chem>COCCCN(C(=O)C(C)CC)[C@H]1CCCC[C@@H]1C2=CN=C(CN2)CN(C)CCN</chem>

246	 <chem>COCCCN(C)Cc1c[nH]cn1[C@H]2CCCC[C@@H]2C(=O)CCOCc3ccccc3</chem>
247	 <chem>COCCCN(C)Cc1c[nH]cn1[C@H]2CCCC[C@@H]2C(=O)CCOCc3ccccc3</chem>
248	 <chem>COCCCN(C)Cc1c[nH]cn1[C@H]2CCCC[C@@H]2C(=O)CCOCc3ccccc3</chem>
249	 <chem>COCCCN(C)Cc1c[nH]cn1[C@H]2CCCC[C@@H]2C(=O)CCOCc3ccccc3</chem>
250	 <chem>COCCCN(C)Cc1c[nH]cn1[C@H]2CCCC[C@@H]2C(=O)CCOCc3ccccc3</chem>

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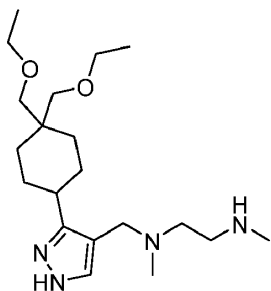
256	 <chem>CN(C)CCN(C)Cc1c[nH]c1Cc2c(C)cc(C)c(C(=O)OC)c2</chem>
257	 <chem>CN(C)CCN(C)Cc1c(C)n(C)n1Cc2c(C)cc3c2OCC3(C)C</chem>
258	 <chem>CN(C)CCN(C)Cc1c[nH]c1Cc2c(C)cc3c2C(=O)N(C)CCOC4=CC=CC=C4</chem>
259	 <chem>CN(C)CCN(C)Cc1c[nH]c1Cc2c(C)cc3c2C(=O)N(C)CCOC4=CC=CC=C4</chem>
260	 <chem>CN(C)CCN(C)Cc1c[nH]c1Cc2c(C)cc3c2OCC3(C)C</chem>

261	 <chem>COCCN(C(=O)C1=CC=C(C=C1)C2=CC=CC=C2)C3CCCCC3C4=CN(CCN4C)CN(C)CCN</chem>
262	 <chem>CC1=CC=C(C=C1)C(=O)N[C@H]2CCCC(C2)C3=CN(CCN3C)CN(C)CCN</chem>
263	 <chem>CC(C)CC1=CC=C(C=C1)C(=O)N[C@H]2CCCC(C2)C3=CN(CCN3C)CN(C)CCN</chem>
264	 <chem>COCCN(C(=O)C1=CC=C(C=C1)C2=CC=CC=C2)C3CCCCC3C4=CN(CCN4C)CN(C)CCN</chem>

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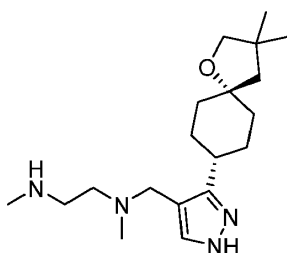
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13. En forbindelse ifølge krav 1, hvor forbindelsen er:



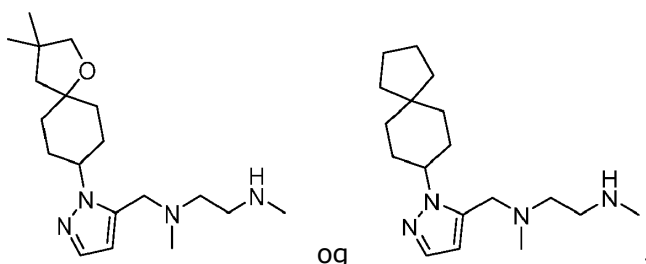
eller et farmasøytisk akseptabelt salt derav.

14. En forbindelse ifølge krav 1, hvor forbindelsen er:



eller et farmasøytisk akseptabelt salt derav.

15. En forbindelse som er valgt fra gruppen som består av de følgende forbindelsene eller et farmasøytisk akseptabelt salt derav:



16. En farmasøytisk sammensetning som omfatter en forbindelse ifølge et hvilket som helst av kravene 1-12, eller et farmasøytisk akseptabelt salt derav, og en farmasøytisk akseptabelt hjelpemiddel.

17. En farmasøytisk sammensetning som omfatter en forbindelse ifølge et hvilket som helst av kravene 13-15, eller et farmasøytisk akseptabelt salt derav, og en farmasøytisk akseptabelt hjelpemiddel.

18. En forbindelse ifølge et hvilket som helst av kravene 1-15, eller et farmasøytisk akseptabelt salt derav, eller en farmasøytisk sammensetning ifølge krav 16, for bruk i behandling av en proliferativ forstyrrelse, en nevrologisk forstyrrelse, en muskulær dystrofi, en autoimmun forstyrrelse, en vaskulær forstyrrelse, eller en metabolsk forstyrrelse.

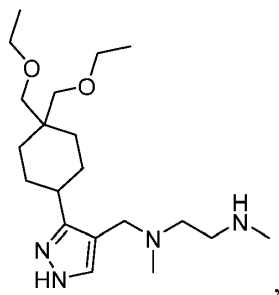
19. En forbindelse ifølge et hvilket som helst av kravene 1-15, eller et farmasøytisk akseptabelt salt derav, eller en farmasøytisk sammensetning ifølge krav 16, for bruk i behandling av kreft.

20. En forbindelse ifølge et hvilket som helst av kravene 1-15, eller et farmasøytisk akseptabelt salt derav, eller en farmasøytisk sammensetning ifølge krav 16, for bruk ifølge krav 19, hvor kreften er brystkreft, prostatakreft, lungekreft, kolorektal kreft, blærekreft, nyrekreft, leukemi eller lymfom.

21. En forbindelse ifølge et hvilket som helst av kravene 1-12, eller et farmasøytisk akseptabelt salt derav, eller en farmasøytisk sammensetning ifølge krav 16, for bruk ifølge krav 20, hvor kreften er leukemi.

22. En forbindelse ifølge et hvilket som helst av kravene 1-12, eller et farmasøytisk akseptabelt salt derav, eller en farmasøytisk sammensetning ifølge krav 16, for bruk ifølge krav 21, hvor leukemi er akutt myelosytisk leukemi.

23. En forbindelse ifølge et hvilket som helst av kravene 1-12, for bruk ifølge krav 18-21, hvor forbindelsen er



eller et farmasøytisk akseptabelt salt derav.

24. Forbindelsen ifølge krav 1, eller et farmasøytisk akseptabelt salt derav, hvor X er CR⁵, Z er N, og Y er NR⁴.