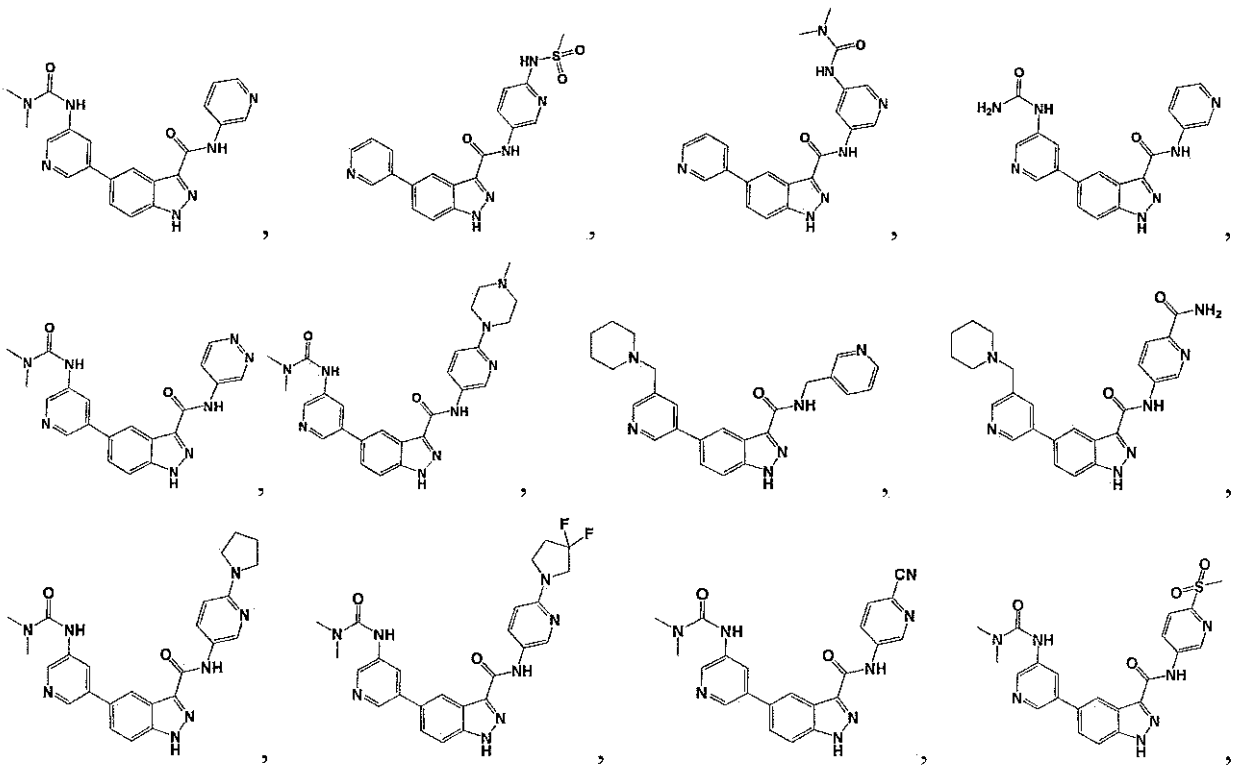
each R^{14} is independently selected from the group consisting of H, C_{1-3} alkyl and carbocyclyl;

wherein "carbocyclyl" means a cyclic ring system containing only carbon atoms in the ring system backbone selected from the group consisting of cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, and cyclohexenyl;

wherein "aryl" means an aromatic radical having a single-ring or multiple condensed rings with only carbon atoms present in the ring backbone; wherein aryl groups are unsubstituted or substituted with one or more substituents selected from the group of alkyl, amino, cyano, hydroxyl, C_{1-3} alkyl, haloalkyl, alkoxy, nitro, halo, mercapto, and other substituents; wherein each aryl ring comprises 3-7 members;

wherein "heterocyclyl" means a cyclic ring system comprising at least one heteroatom in the ring system backbone; wherein heterocyclyls are substituted or unsubstituted with one or more substituents selected from the group consisting of alkyl, halide, alkoxy, acyloxy, amino, amido, cyano, nitro, hydroxyl, mercapto, carboxy, carbonyl, benzyloxy, aryl, heteroaryl and other substituents; wherein the heterocyclyl comprises 5-7 members; and wherein the heteroatom is selected from the group consisting of O, N and S. In another aspect, the present invention refers to a compound having the structure of:



each R^{11} is independently selected from the group consisting of C_{1-3} alkyl, $-N(R^{14})_2$, -carbocyclylR^8 and -heterocyclylR^8;

each R^{12} is independently selected from the group consisting of H and C_{1-3} alkyl;

each R^{14} is independently selected from the group consisting of H, C_{1-3} alkyl and carbocyclyl;

wherein "carbocyclyl" means a cyclic ring system containing only carbon atoms in the ring system backbone selected from the group consisting of cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, and cyclohexenyl;

wherein "aryl" means an aromatic radical having a single-ring or multiple condensed rings with only carbon atoms present in the ring backbone; wherein aryl groups are unsubstituted or substituted with one or more substituents selected from the group of alkyl, amino, cyano, hydroxyl, C_{1-3} alkyl, haloalkyl, alkoxy, nitro, halo, mercapto, and other substituents; wherein each aryl ring comprises 3-7 members;

wherein "heterocyclyl" means a cyclic ring system comprising at least one heteroatom in the ring system backbone; wherein heterocyclyls are substituted or unsubstituted with one or more substituents selected from the group consisting of alkyl, halide, alkoxy, acyloxy, amino, amido, cyano, nitro, hydroxyl, mercapto, carboxy, carbonyl, benzyloxy, aryl, heteroaryl and other substituents; wherein the heterocyclyl comprises 5-7 members; and wherein the heteroatom is selected from the group consisting of O, N and S.

2. The compound of claim 1 wherein the R^3 is 3-pyridylR^6.

3. The compound according to any one of claims 1-2, wherein R^6 is one substituent and is selected from the group consisting of H and $-N(R^{10})C(=O)R^{11}$.

4. The compound according to any one of claims 1-3, wherein R^5 is selected from the group consisting of -3-pyridylR^7, -pyrimidinylR^7, -pyridazinylR^7, and -pyrazinylR^7.

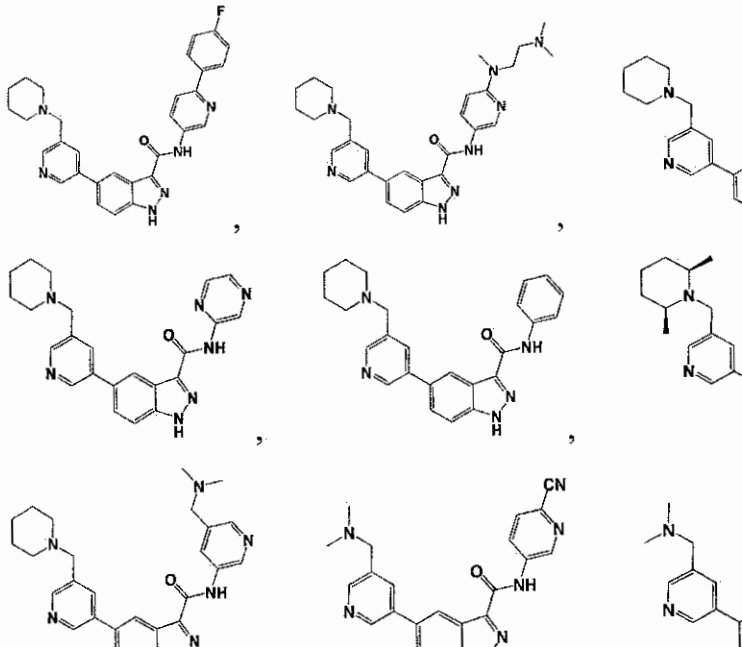
5. The compound according to any one of claims 1-4, wherein the R^5 is 3-pyridylR^7.

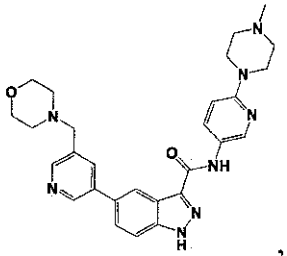
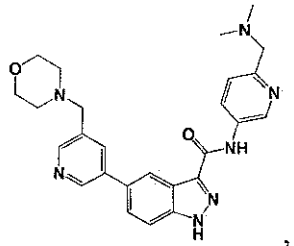
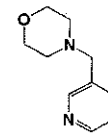
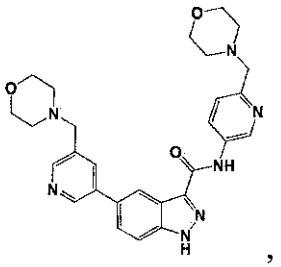
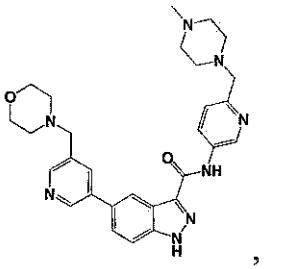
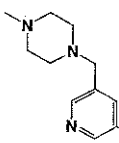
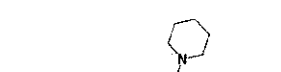
6. The compound according to any one of claims 1-4, wherein the R^5 is 5-pyrimidinylR^7.

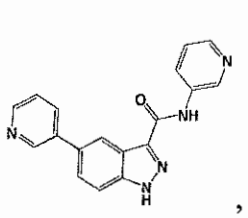
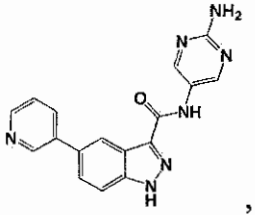
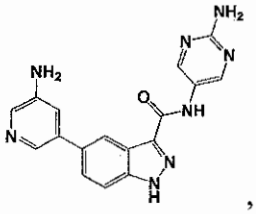
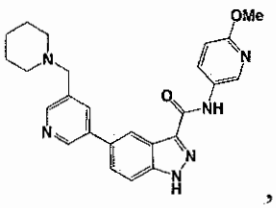
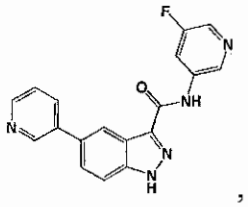
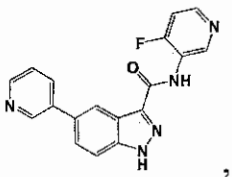
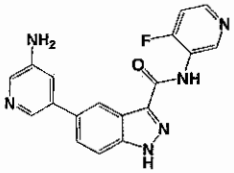
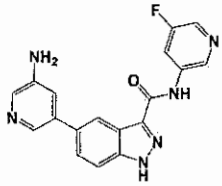
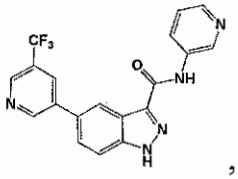
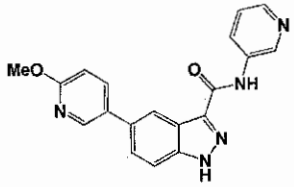
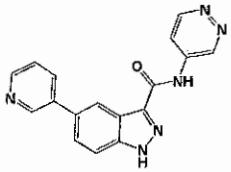
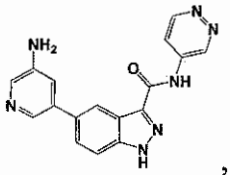
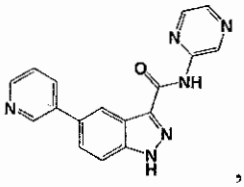
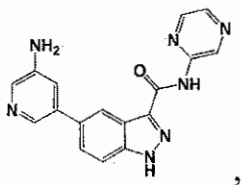
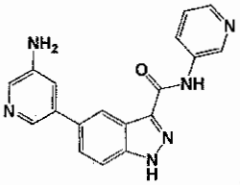
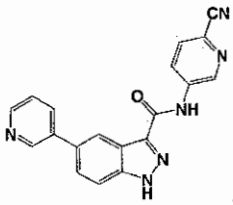
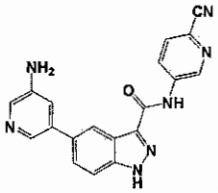
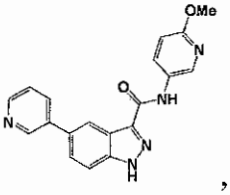
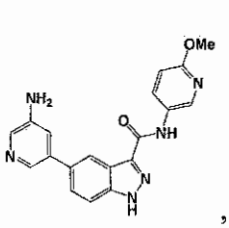
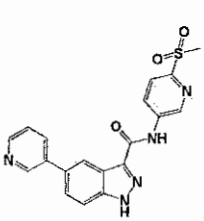
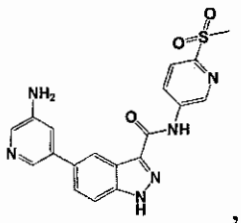
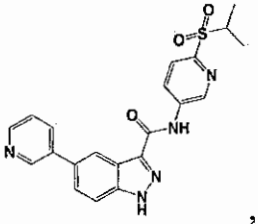
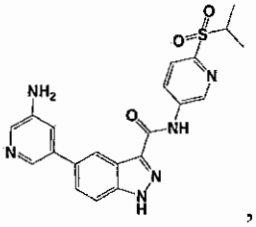
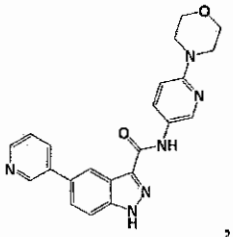
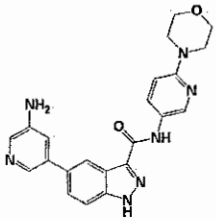
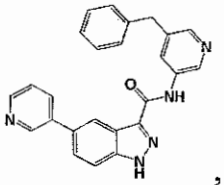
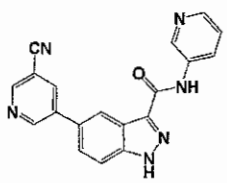
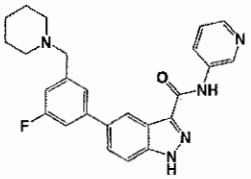
7. The compound according to any one of claims 1-4, wherein the R^5 is 4-pyridazinylR^7.

8. The compound according to any one of claims 1-7, wherein R^7 is one substituent and is selected from the group consisting of H, halide, $-OCF_3$, $-CF_3$, -(C_{1-2} alkyl)heterocyclylR^9, -heterocyclylR^9, -(C_{1-9} alkyl)$_n$N(R^{10})$_2$, and $-N(R^{10})C(=O)R^{11}$.

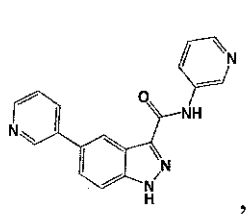
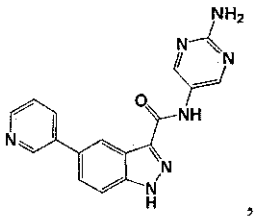
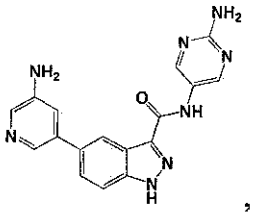
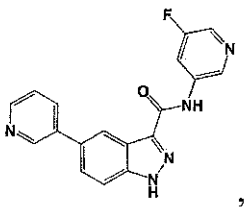
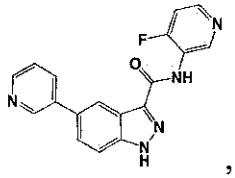
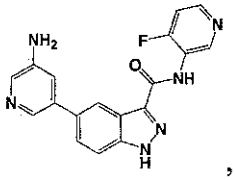
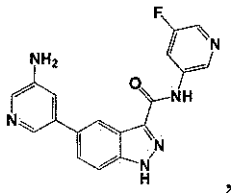
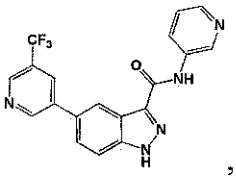
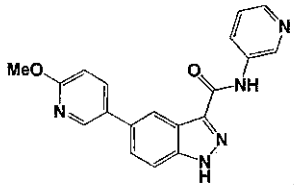
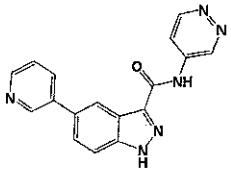
9. The compound of claim 1 having a structure selected from the group consisting of:



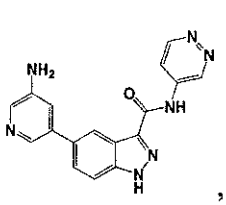
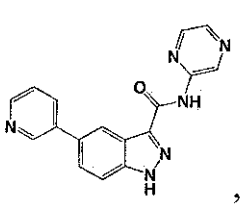
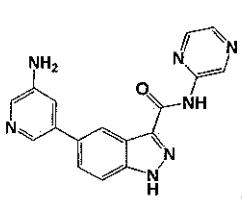
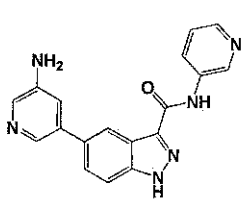
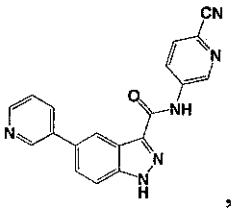
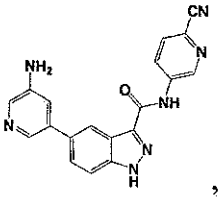
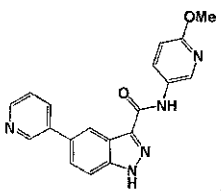
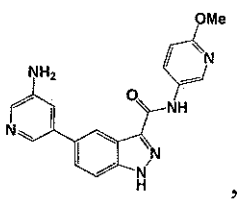
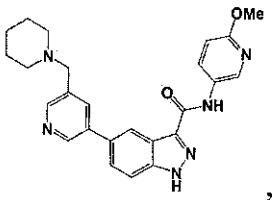
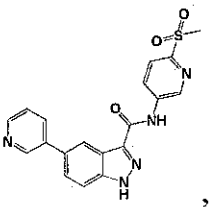

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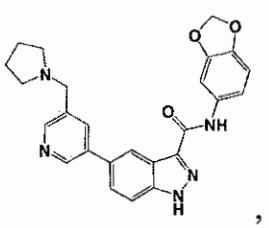
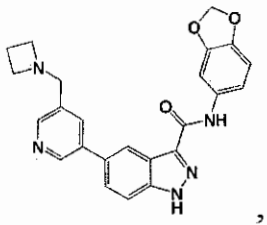
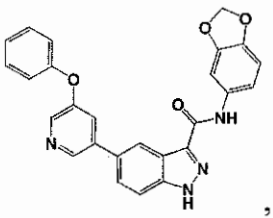
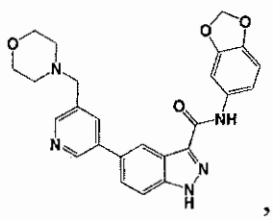
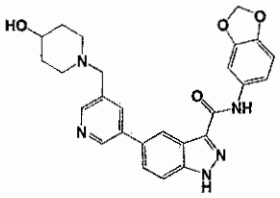
19. The compound of claim 18 having a structure selected from the group consisting of:


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, or a pharmaceutically acceptable salt thereof.

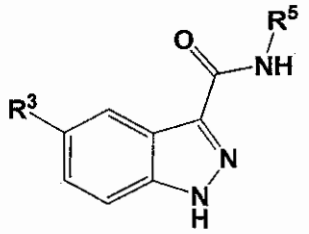
20. The compound of claim 18 having a structure selected from the group consisting of:


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, or a pharmaceutically acceptable salt thereof.

21. The compound of claim 18 having a structure selected from the group consisting of:


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, or a pharmaceutically acceptable salt thereof.

29. The compound of claim 1, wherein the structure of Formula **Ia** is:



Ia

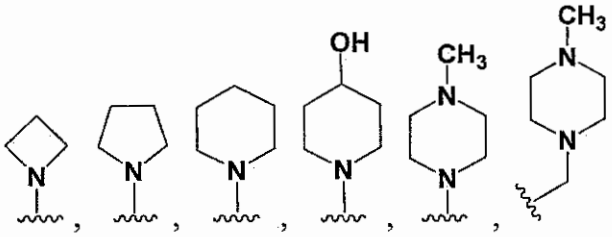
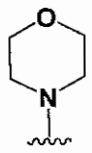
or a pharmaceutically acceptable salt thereof,

wherein:

R^3 is 3-pyridylR^6;

R^5 is selected from the group consisting of -3-pyridylR^7, -pyrimidinylR^7, and -pyridazinylR^7;

R^6 is $-CH_2$heterocyclylR^8;

R^7 is 1-2 substituents each independently selected from the group consisting of H, F, methyl, $-NH_2$, $-CF_3$, -CN, -OMe, $-SO_2Me$, , and ;