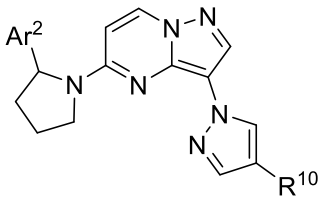
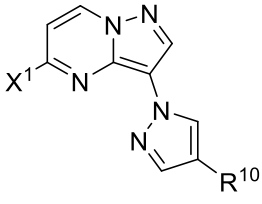
CLAIMS

What is claimed is:

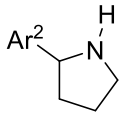
1. A method for making a compound having the structure represented by formula (XV):

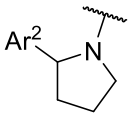

(XV),

or a pharmaceutically acceptable salt thereof, the method comprising coupling a compound of formula (XVI):


(XVI),

and a compound of formula (XVII):


(XVII),

whereby  replaces X^1;

wherein X^1 is a halogen;

wherein R^{10} is selected from hydrogen, halogen, –CN, C1-C6 alkyl, C1-C6 haloalkyl, C1-C6 cyanoalkyl, $–OR^{20}$, $–C(O)R^{20}$, $–S(O)R^{20}$, $–S(O)_2R^{20}$, –(C1-C6 alkyl)OR^{20}, –(C1-C6 alkyl)SR^{20}, –(C1-C6 alkyl)$C(O)R^{20}$, –(C1-C6 alkyl)$S(O)R^{20}$, –(C1-C6 alkyl)$S(O)_2R^{20}$, $–NR^{21}C(O)R^{20}$, –

$NR^{21}S(O)_2R^{20}$, $–NR^{22a}R^{22b}$, $–P(O)R^{22a}R^{22b}$, $–$(C1-C6 alkyl)$NR^{22a}R^{22b}$, $–$(C1-C6 alkyl)$P(O)R^{22a}R^{22b}$, and Cy^1;

wherein each of R^{20}, R^{21}, R^{22a}, and R^{22b}, when present, is independently selected from hydrogen, C1-C4 alkyl, and C1-C4 haloalkyl;

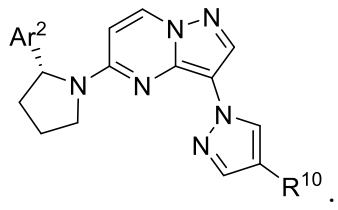
wherein Cy^1, when present, is selected from a C3-C8 cycloalkyl, a 3- to 8-membered heterocycloalkyl, a C6-C10 aryl, and a 5- to 10-membered heteroaryl, and is substituted with 0, 1, 2, or 3 groups independently selected from halogen, $–CN$, $–NH_2$, $–OH$, $–NO_2$, C1-C4 alkyl, C2-C4 alkenyl, C1-C4 haloalkyl, C1-C4 cyanoalkyl, C1-C4 hydroxyalkyl, C1-C4 haloalkoxy, C1-C4 alkoxy, C1-C4 alkylamino, (C1-C4)(C1-C4) dialkylamino, and C1-C4 aminoalkyl; and

wherein Ar^2 is a C6-C10 aryl or a 5- to 6-membered heteroaryl, and is substituted with 0, 1, 2, or 3 groups independently selected from halogen, C1-C6 alkyl, C1-C6 haloalkyl, C1-C6 alkoxy, and C1-C6 haloalkoxy.

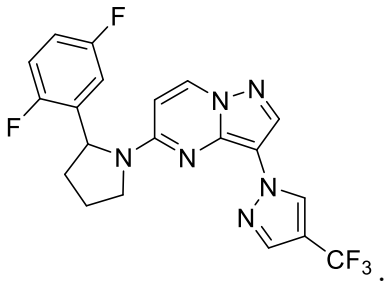
2. The method of claim 1, wherein R^{10} is $–CF_3$.

3. The method of claim 1, wherein Ar^2 is a phenyl with 2 halogen groups.

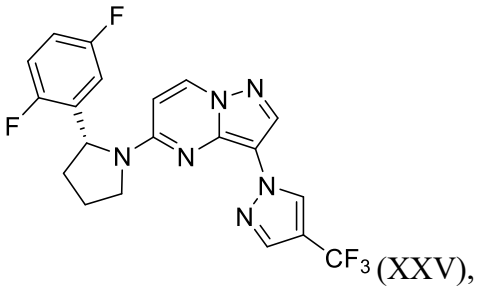
4. The method of claim 1, wherein the compound of formula (XV) has the structure represented by formula:



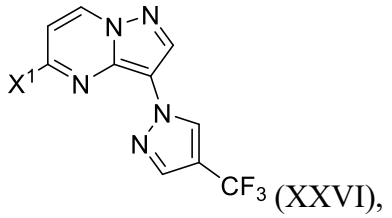
5. The method of claim 1, wherein the compound of formula (XV) is:



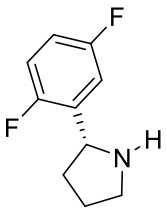
6. The method of claim 1, wherein the method is for making a compound having the structure represented by formula (XXV):

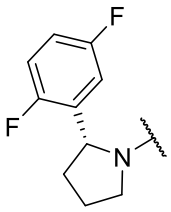

(XXV),

or a pharmaceutically acceptable salt thereof, the method comprising coupling a compound having the structure represented by formula (XXVI):


(XXVI),

and a compound having the structure represented by formula:


; and

whereby  replaces X^1,

wherein X^1 is a halogen.

7. The method of claim 6, wherein the coupling reaction is conducted in the presence of a base.

8. The method of claim 7, wherein the base is an amine base.

9. The method of claim 8, wherein the amine base is a trialkylamine or pyridine.

10. The method of claim 9, wherein the coupling reaction is conducted at an elevated temperature, wherein the temperature is in the range of 70 ºC to 110 ºC.

11. The method of claim 6, wherein the coupling reaction is conducted at an elevated temperature, wherein the temperature is in the range of 70 ºC to 110 ºC.

12. The method of claim 1, wherein the coupling reaction is conducted at an elevated temperature, wherein the temperature is in the range of 70 ºC to 110 ºC.