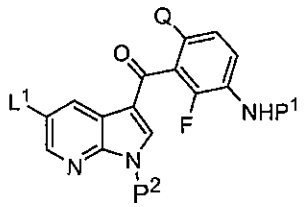
WHAT IS CLAIMED IS:

1. A compound of formula (I):



(I)

wherein:

Q is F or H;

P^1 is hydrogen or a labile protecting group;

P^2 is an amino protecting group or hydrogen; and

L^1 is Br, Cl, I, R^1-SO_2O- or $R^2C(O)O$; wherein R^1 and R^2 are each independently optionally substituted aryl or optionally substituted C_{1-6}alkyl.

2. The compound of claim **1**, wherein P^1 is –H.

3. The compound of claim **1**, wherein P^1 is selectively cleaved in the presence of P^2.

4. The compound of claim **3**, wherein P^1 is 9-fluorenylmethoxycarbonyl, t-butoxycarbonyl, trimethylsilyl or t-butyldiphenylsilyl.

5. The compound of any of claims **1-4**, wherein P^2 is an amino protecting group selected from R^3-C(O)- or R^4O-C(O)-, wherein R^3 and R^4 are each independently selected from C_{1-6}alkyl, aryl, heteroaryl, aryl-C_{1-2}alkyl, heteroaryl-C_{1-2}alkyl, C_{3-10}cycloalkyl, C_{3-10}cycloalkyl-C_{1-2}alkyl, ethynyl or vinyl, each of which is optionally substituted.

6. The compound of claim **5**, wherein P^2 is –H.

7. The compound of claim **5**, wherein P^2 is 2,6-dichlorophenylcarbonyl.

8. The compound of any of claims **5**, wherein R^3 or R^4 is optionally substituted with 1-3 R^a groups independently selected from halogen, C_{1-6}alkyl, fluoro substituted C_{1-6}alkyl, fluoro substituted C_{1-6}alkoxy, aryl, heteroaryl, C_{1-6}alkoxy, -CN, -NO_2, -OH, C_{1-6}alkyl-OC(O)-, C_{1-6}alkyl-C(O)O- or -$SiMe_3$, wherein the aliphatic or aromatic portion of R^a is further optionally substituted with from 1-3 R^b groups independently selected from halogen, C_{1-6}alkyl, C_{1-6}alkoxy, -CN, -NO_2 or -OH.

9. The compound of claim **8**, wherein R^a is F, Cl, Br, I, -CH_3, Phenyl, t-butyl, MeO-, -NO_2, -CN, -CF_3, CF_3O-, –OH or –$CH=CH_2$.

10. The compound of any of claims **1-9**, wherein R^3 and R^4 are each independently methyl, ethyl, phenyl, 2,2,2-trichloroethyl, $(CH_3)_2CHC\equiv C$-, 2-trimethylsilylethyl, 1-methyl-1-phenylethyl, cyclobutyl, cyclopropyl, allyl, vinyl, 1-adamantyl, benzyl or diphenylmethyl, each of which is optionally substituted with from 1-3 R^a groups.

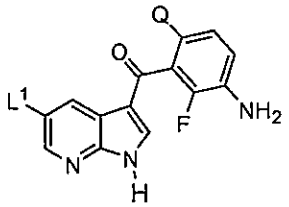
11. The compound of any of claims **1-10**, wherein L^1 is Br, Cl, I, tosyl-O-, mesyl-O-, trifluoromethanesulfonyl-O-, R^1-SO_2O- or $R^2C(O)O$, wherein R^1 and R^2 are each independently selected from aryl, aryl-C_{1-4}alkyl or C_{1-6}alkyl, each of which is optionally substituted with from 1-3 R^c substituents selected from halogen, -$CH=CH_2$, -CN, -OH, -NH_2, -NO_2, -C(O)OH, -$C(O)NH_2$, -$S(O)_2NH_2$, -$NHC(O)NH_2$, -$NHC(S)NH_2$, -$NHS(O)_2NH_2$, -$C(NH)NH_2$, -OR^d, -SR^d, -$OC(O)R^d$, -$C(O)R^d$, -$C(O)OR^d$, -$C(S)OR^d$, -$S(O)R^d$, -$S(O)_2R^d$, -$C(O)NHR^d$, -$C(O)NR^dR^d$, -$S(O)_2NHR^d$, -$S(O)_2NR^dR^d$, -$C(NH)NHR^d$, -$C(NH)NR^dR^d$, -$NHC(O)R^d$, -$NR^dC(O)R^d$, -$NHS(O)_2R^d$, -$NR^dS(O)_2R^d$, -$NHC(O)NHR^d$, -NHR^d or -NR^dR^d, wherein each R^d is independently selected from C_{1-6}alkyl or aryl.

12. The compound of claim **11**, wherein L^1 is Br, Cl, I, tosyl-O-, mesyl-O-, trifluoromethanesulfonyl-O-, $CF_3C(O)O$- or $CH_3C(O)O$-.

13. The compound of claim **1**, wherein P^1 is H; P^2 is 2,6-dichlorophenylcarbonyl; and L^1 is Br.

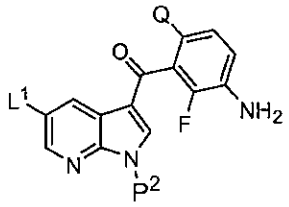
14. The compound of claim **1**, wherein P^1 is H; P^2 is H; and L^1 is Br.

15. A method for preparing a compound of formula (Ia), said method comprising: contacting a compound of formula (II):



II

with an agent of the formula: P^2-X^1 under conditions sufficient to form the compound of formula (Ia):



(Ia); and

wherein:

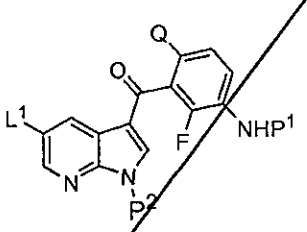
X^1 is selected from Br, Cl, I, tosyl-O-, mesyl-O-, trifluoromethanesulfonyl-O-, $CF_3C(O)O$- or $CH_3C(O)O$-;

P^2 is an amino protecting group;

Q is H or F; and

L^1 is Br, Cl, I, R^1-SO_2O- or $R^2C(O)O$-; wherein R^1 and R^2 are each independently optionally substituted aryl or optionally substituted $C_{1\text{-}6}$alkyl.

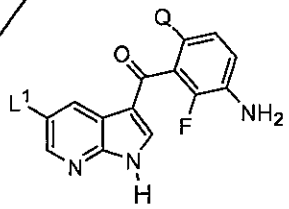
16. A method for preparing a compound of formula (I)



(I),

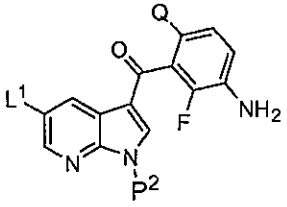
said method comprising:

contacting a compound of formula (II):



II

with an agent of the formula: P^2-X^1 under conditions sufficient to form the compound of formula (Ia):



(Ia); and

reacting a compound of formula (Ia) with an agent of formula: P^1-X^3 under conditions sufficient to form the compound of formula (I);

wherein:

X^1 is selected from Br, Cl, I, tosyl-O-, mesyl-O-, trifluoromethanesulfonyl-O-, $CF_3C(O)O$- or $CH_3C(O)O$-;

X^3 is a leaving group;

P^1 is a labile protecting group;

P^2 is an amino protecting group;

Q is H or F;

L^1 is Br, Cl, I, R^1-SO_2O- or $R^2C(O)O$; wherein R^1 and R^2 are each independently optionally substituted aryl or optionally substituted C_{1-6}alkyl.

17. The method of claim **15**, wherein said contacting is carried out in the presence of triethylamine and 4-dimethylaminopyridine.

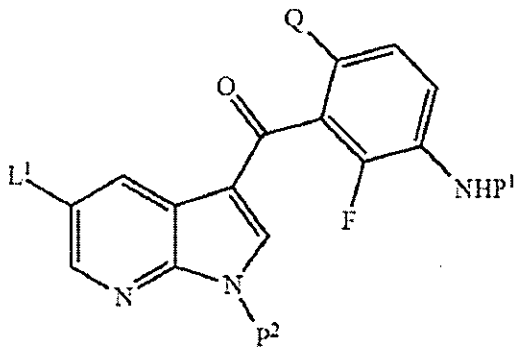
18. The method of claim **15** or **16**, wherein L^1 is Br.

19. The method of claim **15** or **16**, wherein P^2 is 2,6-dichlorophenyl; and L^1 is Br.

20. The method of claim **15** or **16**, wherein Q is F.

What is claimed is:

1. A compound of formula (I):



(I)

wherein:

Q is F or H;

P^1 is H, 9-fluorenylmethoxycarbonyl, t-butoxycarbonyl, trimethylsilyl, or t-butyldiphenylsilyl;

P^2 is 2,6-dichlorophenylcarbonyl; and

L^1 is Br, Cl, I, R^1—SO_2O— or $R^2C(O)O$—; wherein R^1 and R^2 are each optionally substituted aryl or optionally substituted $C_{1\text{-}6}$alkyl.

2. The compound of claim **1**, wherein P^1 is H.

3. The compound of claim **1**, wherein L^1 is Br, Cl, I, tosyl-O—, mesyl-O—, trifluoromethanesulfonyl-O—, R^1—SO_2O— or $R^2C(O)O$—, wherein R^1 and R^2 are each aryl, aryl-$C_{1\text{-}4}$alkyl or $C_{1\text{-}6}$alkyl, each of which is optionally substituted with from 1-3 R^c substituents selected from halogen, —CH=CH_2, —CN, —OH, —NH_2, —NO_2, —C(O)OH, —$C(O)NH_2$, —$S(O)_2NH_2$, —$NHC(O)NH_2$, —NHC(S)NH_2, —$NHS(O)_2NH_2$, —$C(NH)NH_2$, —OR^d, —SR^d, —OC(O)R^d, —C(O)R^d, —C(O)OR^d, —C(S)OR^d, —S(O)R^d, —$S(O)_2R^d$, —C(O)NHR^d, —C(O)NR^dR^d, —$S(O)_2NHR^d$, —$S(O)_2NR^dR^d$, —C(NH)NHR^d, —C(NH)NR^dR^d, —NHC(O)R^d, —$NR^dC(O)R^d$, —$NHS(O)_2R^d$, —$NR^dS(O)_2R^d$, —$NHC(O)NHR^d$, —NHR^d or —NR^dR^d, wherein each R^d is independently selected from $C_{1\text{-}6}$alkyl or aryl.

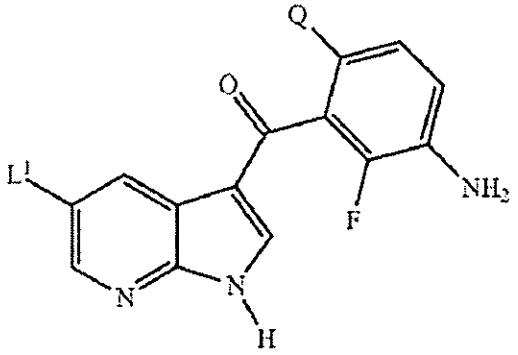
4. The compound of claim **3**, wherein L^1 is Br, Cl, I, tosyl-O—, mesyl-O—, trifluoromethanesulfonyl-O—, $CF_3C(O)O$— or $CH_3C(O)O$—.

5. The compound of claim **1**, wherein P^1 is H and L^1 is Br.

6. A method for preparing a compound of formula (Ia), said method comprising:

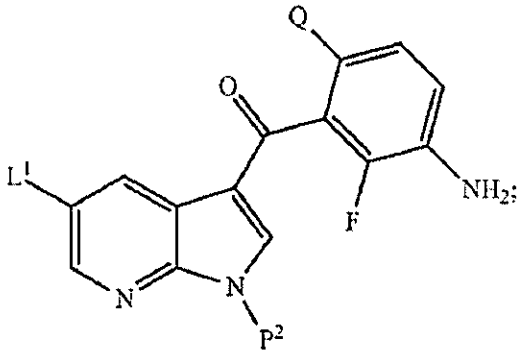
contacting a compound of formula (II):

(II)



with an agent of formula: P^2—X^1 under conditions sufficient to form the compound of formula (Ia):

(Ia)



and

wherein:

X^1 is Br, Cl, I, tosyl-O—, mesyl-O—, trifluoromethane-sulfonyl-O—, $CF_3C(O)O$— or $CH_3C(O)O$—;

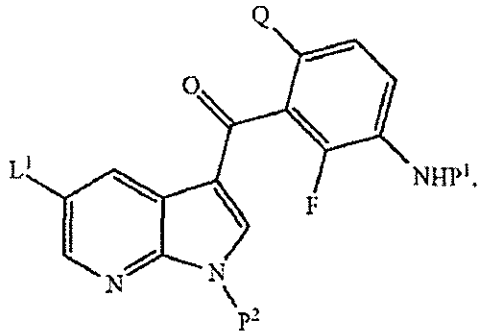
P^2 is 2,6-dichlorophenylcarbonyl;

Q is H or F; and

L^1 is Br, Cl, I, R^1—SO_2O— or $R^2C(O)O$—; wherein R^1 and R^2 are each optionally substituted aryl or optionally substituted C_{1-6}alkyl.

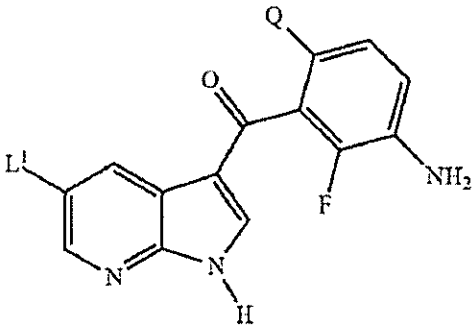
7. A method for preparing a compound of formula (I)

(I)



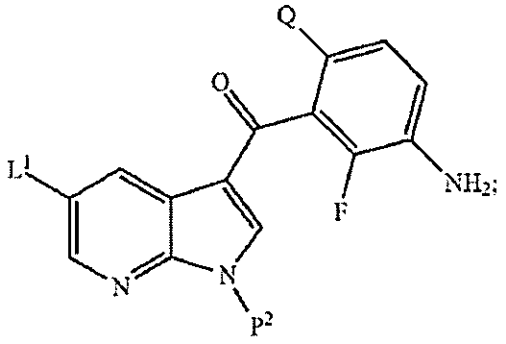
said method comprising:
contacting a compound of formula (II):

(II)



with an agent of formula: P^2—X^1 under conditions sufficient to form the compound of formula (Ia):

(Ia)



and

reacting a compound of formula (Ia) with an agent of formula: P^1—X^3 under conditions sufficient to form the compound of formula (I):

wherein:

X^1 is Br, Cl, I, tosyl-O—, mesyl-O—, trifluoromethanesulfonyl-O—, $CF_3C(O)O$— or $CH_3C(O)O$—;

X^3 is a leaving group;

P^1 is H, 9-fluorenylmethoxycarbonyl, t-butoxycarbonyl, trimethylsilyl, or t-butyldiphenylsilyl;

P^2 is 2,6-dichlorophenylcarbonyl;

Q is H or F;

L^1 is Br, Cl, I, R^1—SO_2O— or $R^2C(O)O$; wherein R^1 and R^2 are each optionally substituted aryl or optionally substituted C_{1-6}alkyl.

8. The method of claim **6**, wherein said contacting is carried out in the presence of triethylamine and 4-dimethylaminopyridine.

9. The method of claim **6** or **7**, wherein L^1 is Br.

10. The method of claim **6** or **7**, wherein Q is F.