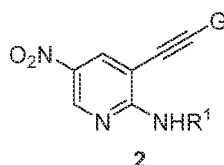


WHAT IS CLAIMED IS:

1. A compound of Formula 2:



or a salt, a solvate, a tautomer, a stereoisomer or a deuterated analog thereof, wherein:

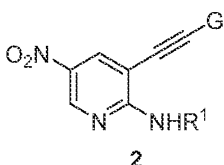
R¹ is C(O)R²;

R² is alkyl optionally substituted with 1-5 halogens;

G is phenyl or a 5-6 membered heteroaryl optionally substituted with 1-2 R³; and

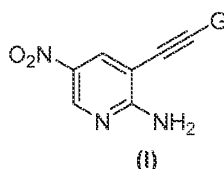
each R³ is independently C₁-C₆ alkyl, CN, C₁-C₆ alkyl-CN, 3-6 membered cycloalkyl, or 4-6 membered heterocycloalkyl.

2. A method for preparing a compound of Formula 2:



or a salt, a solvate, a tautomer, a stereoisomer or a deuterated analog thereof, said method comprising:

contacting a compound of Formula (I) or a salt thereof:



with an acetic anhydride, or a derivative thereof, to form the compound of Formula 2, wherein

R¹ is C(O)R²;

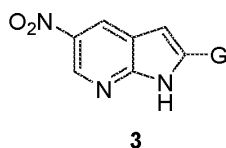
R² is alkyl optionally substituted with 1-5 halogens;

G is phenyl or a 5-6 membered heteroaryl optionally substituted with 1-2 R³; and

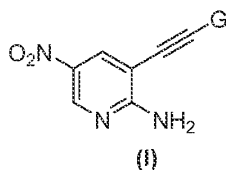
each R³ is independently C₁-C₆ alkyl, CN, C₁-C₆ alkyl-CN, 3-6 membered cycloalkyl, or 4-6 membered heterocycloalkyl.

3. The method according to claim 2, wherein the acetic anhydride is trifluoroacetic anhydride.

4. A method for preparing a compound of Formula 3:



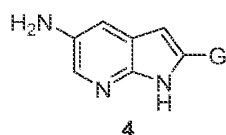
or a salt, a solvate, a tautomer, a stereoisomer or a deuterated analog thereof, comprising:
contacting a compound of Formula (I) or a salt thereof:



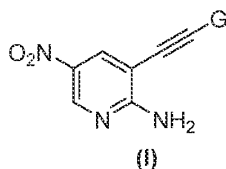
with an acetic anhydride, or a derivative thereof, to form the compound of Formula 2 according to Claim 2; and

refluxing a compound of Formula 2 with an acetic anhydride, or a derivative thereof, in a suitable solvent to form a compound of Formula 3.

5. The method according to claim 4, wherein the acetic anhydride is trifluoroacetic anhydride.
6. The method according to claim 4 or 5, wherein the suitable solvent is acetonitrile.
7. A method for preparing a compound of Formula 4:

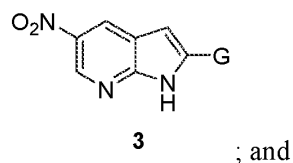


or a salt, a solvate, a tautomer, a stereoisomer or a deuterated analog thereof, comprising:
contacting a compound of Formula (I) or a salt thereof:



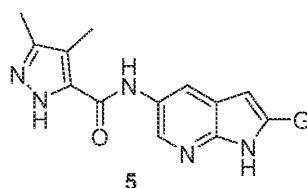
with an acetic anhydride, or a derivative thereof, to form the compound of Formula 2 according to claim 2;

refluxing a compound of Formula 2 with an acetic anhydride, or a derivative thereof, in a suitable solvent to form a compound of Formula 3 or a salt thereof



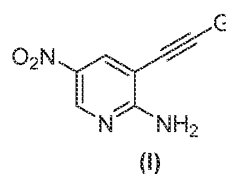
reducing a compound of Formula 3 to form a compound of Formula 4.

8. A method for preparing a compound of Formula 5:



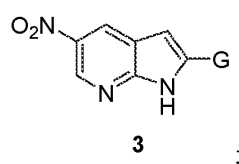
or a salt, a solvate, a tautomer, a stereoisomer or a deuterated analog thereof, comprising:

contacting a compound of Formula (I) or a salt thereof:

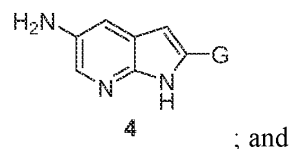


with an acetic anhydride, or a derivative thereof, to form the compound of Formula 2 according to Claim 2;

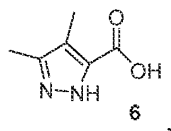
refluxing a compound of Formula 2 with an acetic anhydride, or a derivative thereof, in a suitable solvent to form Formula 3 or a salt thereof



reducing a compound of Formula 3 to form a compound of Formula 4 or a salt thereof

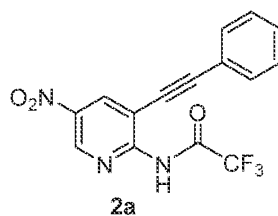


combining a compound of Formula 4 with a compound of Formula 6 or a salt thereof:



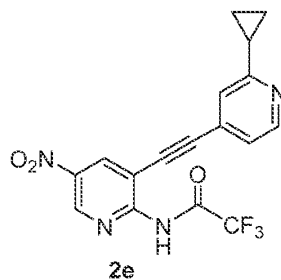
with a suitable coupling agent to form a compound of Formula 5.

9. The method according to claim 8, wherein the acetic anhydride is trifluoroacetic anhydride.
10. The method according to claim 8 or 9, wherein the suitable solvent is acetonitrile.
11. The method according to any one of claims 8, 9, or 10, wherein the suitable coupling agent is BOP, PyBOP, PyBrOP, TBTU, HBTU, HATU, COMU, or TFFH.
12. The method according to claim 11, wherein the suitable coupling agent is PyBOP.
13. A compound of Formula 2a:



or a salt, a solvate, a tautomer, a stereoisomer or a deuterated analog thereof.

14. A compound of Formula 2e:



or a salt, a solvate, a tautomer, a stereoisomer or a deuterated analog thereof.