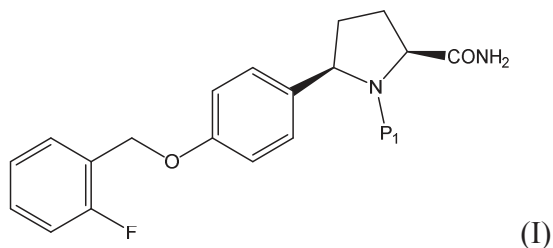
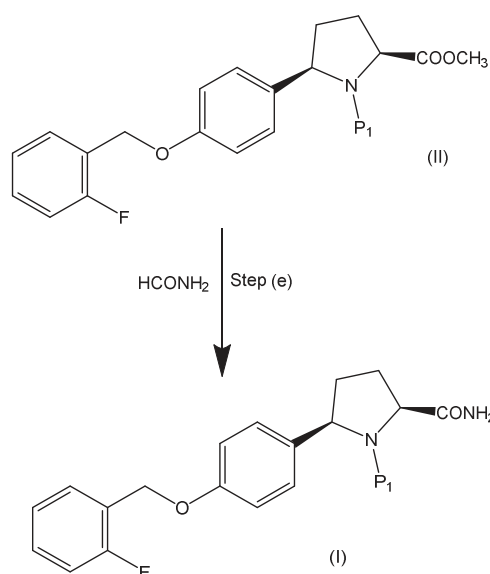


CLAIMS

1. A process for preparing a compound of formula (I)

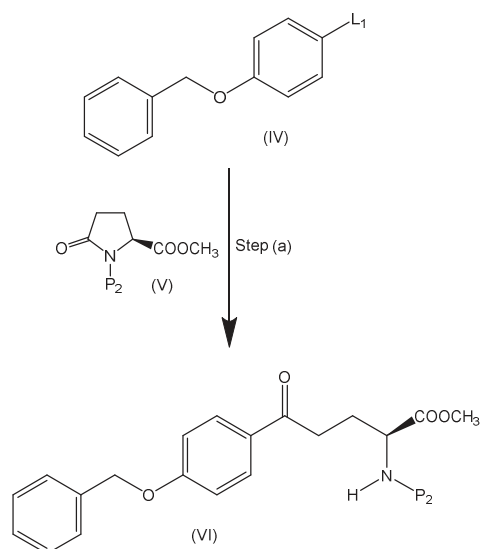


by reacting a compound of formula (II) with formamide:



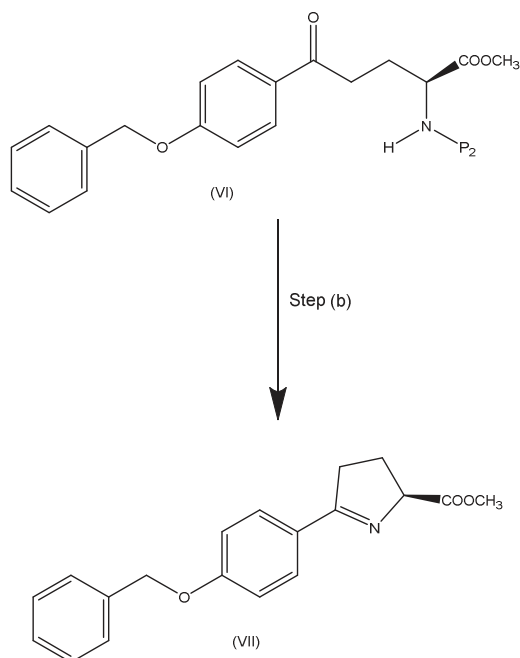
wherein P¹ is a protecting group selected from: *tert*-butoxycarbonyl (BOC); 9-fluorenylmethoxycarbonyl (Fmoc); acetyl (Ac); benzoyl (Bz); carbamates; *p*-methoxyphenyl (PMP); tosyl (Ts); a sulfonamide selected from Nosyl and Nps, and trifluoroacetyl.

2. The process of claim 1, further comprising:
- (i) preparing a compound of formula (VI) from a compound of formula (IV) by reacting the compound of formula (IV) with a compound of formula (V):



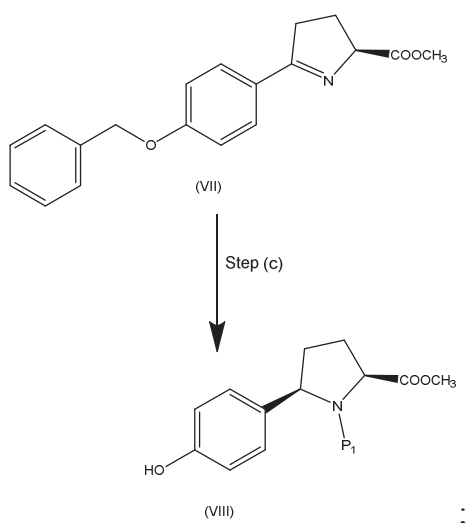
wherein P_2 is a protecting group selected from: *tert*-butoxycarbonyl (BOC); 9-fluorenylmethyloxycarbonyl (Fmoc); acetyl (Ac); benzoyl (Bz); benzyloxycarbonyl; carbamates; *p*-methoxyphenyl (PMP); tosyl (Ts); a sulfonamide selected from Nosyl and Nps, and trifluoroacetyl and L^1 represents a leaving group; followed by

(ii) preparing a compound of formula (VII) from a compound of formula (VI):



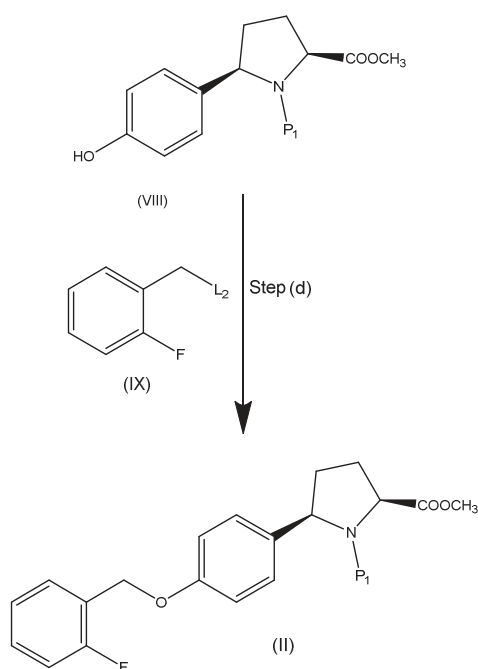
followed by

- (iii) preparing a compound of formula (VIII) from a compound of formula (VII):



followed by

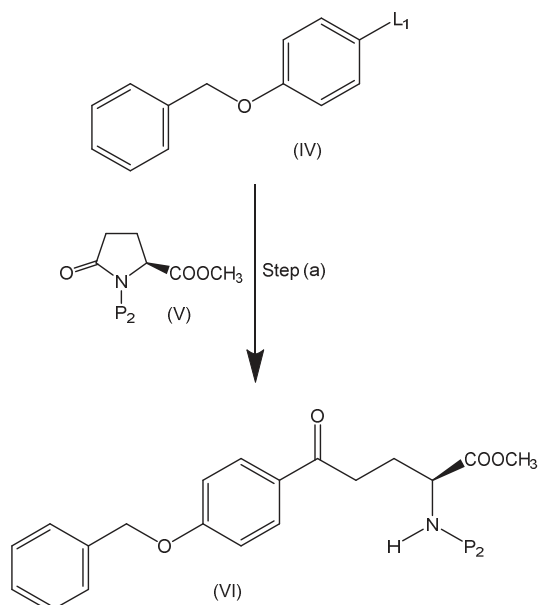
- (iv) preparing a compound of formula (II) by reacting a compound of formula (VIII) with a compound of formula (IX):



wherein L_2 represents a leaving group.

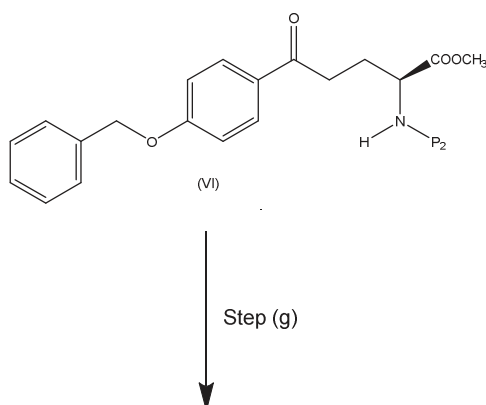
3. The process of claim 1 further comprising:

- (i) preparing a compound of formula (VI) from a compound of formula (IV) by reacting the compound of formula (IV) with a compound of formula (V):



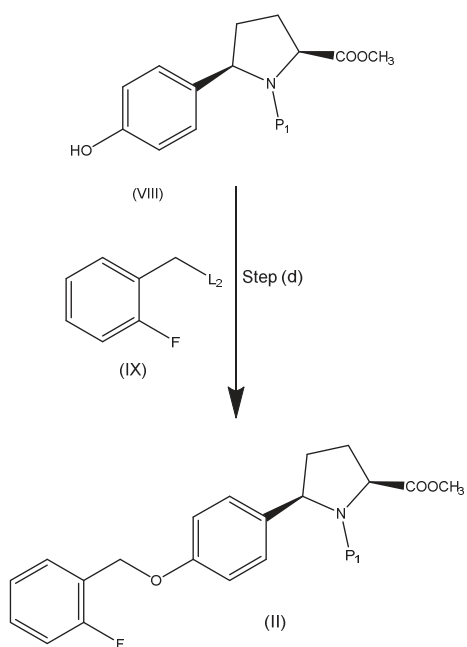
wherein P_2 is a protecting group selected from: *tert*-butoxycarbonyl (BOC); 9-fluorenylmethoxycarbonyl (Fmoc); acetyl (Ac); benzoyl (Bz); benzyloxycarbonyl; carbamates; *p*-methoxyphenyl (PMP); tosyl (Ts); a sulfonamide selected from Nosyl and Nps, and trifluoroacetyl, and L^1 represents a leaving group; followed by

- (ii) preparing a compound of formula (VIII) from a compound of formula (VI):



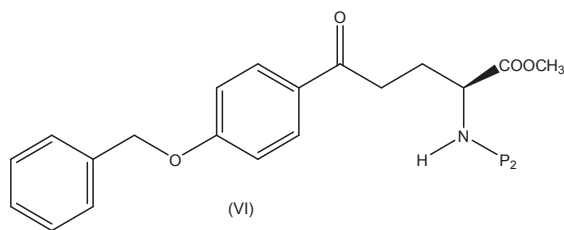
followed by

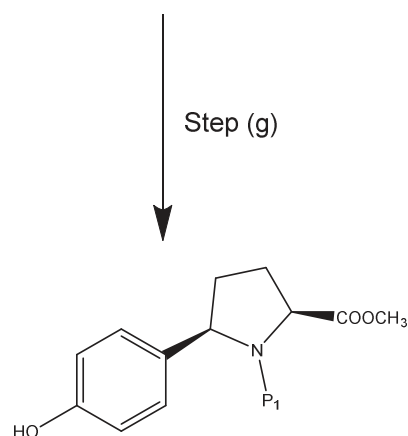
- (iii) preparing a compound of formula (II) by reacting a compound of formula (VIII) with a compound of formula (IX):



wherein L_2 represents a leaving group.

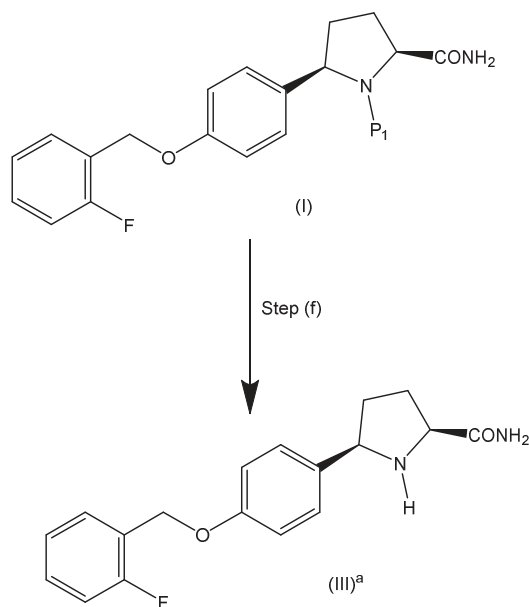
4. The process of claim 1, further comprising ~~a~~preparing a compound of formula (VIII) from a compound of formula (VI):





wherein P₂ is a protecting group selected from: *tert*-butoxycarbonyl (BOC); 9-fluorenylmethyloxycarbonyl (Fmoc); acetyl (Ac); benzoyl (Bz); carbamates; *p*-methoxyphenyl (PMP); tosyl (Ts); a sulfonamide selected from Nosyl and Nps, and trifluoroacetyl.

5. The process of any one of claims 1-4, further comprising preparing a compound of formula (III)^a by deprotecting the compound of formula (I):



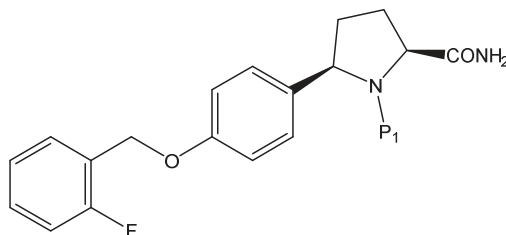
6. The process of any one of claims 1-5, wherein P₂ is a protecting group selected from: *tert*-butoxycarbonyl (BOC); 9-fluorenylmethyloxycarbonyl (Fmoc); acetyl (Ac); benzoyl

(Bz); carbamates; *p*-methoxyphenyl (PMP); tosyl (Ts); a sulfonamide selected from Nosyl and Nps, and trifluoroacetyl.

7. The process of claim 6, wherein P₂ is *tert*-butyloxycarbonyl (BOC).
8. The process of any one of claims 1-7, wherein L₁ is a halogen atom.
9. The process of any one of claims 1-8, wherein step (a) comprises the use of 1) isopropyl magnesium chloride (*i*-PrMgCl) and a solvent in addition to an *n*-butyllithium (*n*-BuLi) – hexane solution; or 2) an isopropyl magnesium chloride (*i*-PrMgCl) – lithium chloride complex and a solvent in addition to bis(dimethylamino)ethyl ether.
10. The process of any one of claims 1-9, wherein step (a) is conducted via a continuous or flow process.
11. The process of any one of claims 1-10, wherein L₁ represents magnesium bromide.
12. The process of any one of claims 1-11, wherein step (b) comprises the use of methanesulfonic acid or sulfuric acid in acetonitrile; or methanesulfonic acid in 1:1 (v/v) tetrahydrofuran-PhMe.
13. The process of any one of claims 1-12, wherein step (b) is conducted via a flow process.
14. The process of any one of-claims 1-13, wherein P¹ represents *tert*-butyloxycarbonyl (BOC), and step (c) comprises the use of Boc₂O in a solvent-and in the presence of a catalyst.
15. The process of claims 14, wherein the catalyst is Pd(OH)₂/C or Pd/Al₂O₃.
16. The process of any one of-claims 1-15, wherein L₂ represents a halogen atom.
17. The process of claim 16, wherein L₂ represents bromine or chlorine, and step (d) comprises the use of a base selected from potassium carbonate, NaOMe, and *t*-BuOK, and a solvent selected from acetonitrile, DMF, DMSO and a mixture of acetonitrile and formamide.

18. The process as defined in claim 16, wherein L_2 represents bromine, or chlorine, and step (e) comprises the use of a base selected from potassium carbonate, NaOMe, *t*-BuOK, and *t*-BuONa, and a solvent selected from formamide and a mixture of DMF, DMSO, or acetonitrile with formamide.

19. A compound of formula (I):



(I)

wherein P₁ represents a protecting group selected from: 9-fluorenylmethyloxycarbonyl (Fmoc); acetyl (Ac); benzoyl (Bz); carbamates; *p*-methoxyphenyl (PMP); tosyl (Ts); a sulfonamide selected from Nosyl and Nps, and trifluoroacetyl.