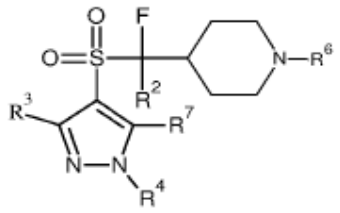
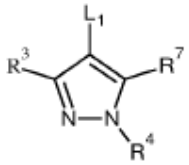
WE CLAIM

1. A process for preparation of a compound of formula II,

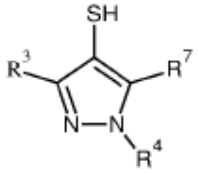


Formula II

R^2 is independently selected from F, C_1-C_4 alkyl, C_1-C_4 haloalkyl;
R^3 is independently selected from H, F, C_1-C_4 alkyl, C_1-C_4 haloalkyl, R^4 is C_1-C_4 alkyl, R^6 is H or a protecting group or a salt thereof and R^7 is a group selected from H, Cl or trialkylsilyl,
comprising the steps of:
a) reacting a compound of formula VII, with elemental sulfur in presence of a base, a catalyst and a reducing agent to give a compound of formula VI;

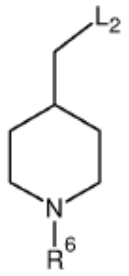


Formula VII

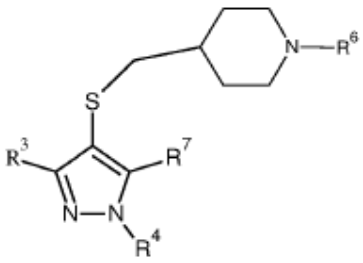


Formula VI

wherein R^3, R^4 and R^7 are as defined above, L_1 is a leaving group;
b) reacting the compound of formula VI with a compound of formula VIII, to give a compound of formula V;



Formula VIII

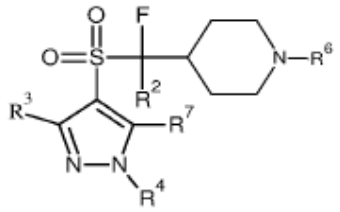


Formula V

wherein L_2 is a leaving group; R^3 R^4, R^6 and R^7 are as defined above;

c) converting the compound of formula V to the compound of formula II.

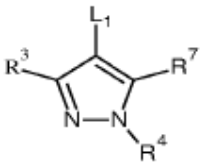
2. A process for preparation of a compound of formula II



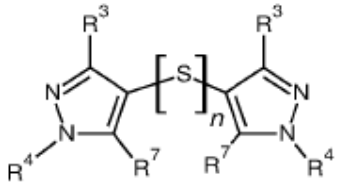
Formula II

R^2 is independently selected from F, C_1-C_4 alkyl, C_1-C_4 haloalkyl, R^3 is independently selected from H, F, C_1-C_4 alkyl, C_1-C_4 haloalkyl, R^4 is C_1-C_4 alkyl, R^6 is H or a protecting group or a salt thereof and R^7 is a group selected from H, Cl or trialkylsilyl; comprising the steps of:

a) reacting a compound of formula VII with elemental sulfur in presence of base and a catalyst to give a compound of formula VIB,



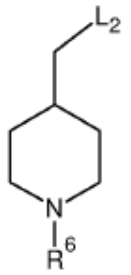
Formula VII



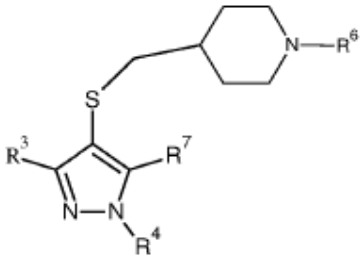
Formula VIB

R^3, R^4, and R^7 are as defined above and L_1 is selected from a leaving group, wherein n is 2-8;

b) reacting the compound of formula VIB with a compound of formula VIII, to give a compound of formula V;



Formula VIII

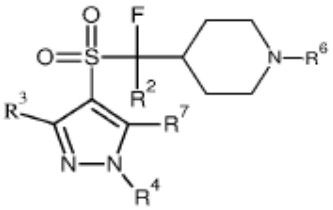


Formula V

wherein R^6 is as defined above, L_2 is a leaving group,

c) converting the compound of formula V to the compound of formula II.

3. A process for preparation of a compound of formula II,

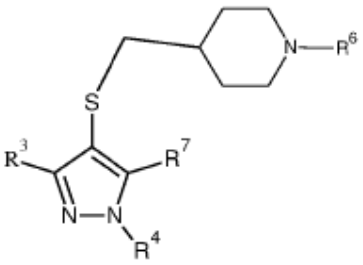


Formula II

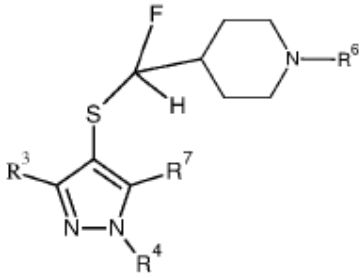
wherein R^2 is independently selected from F, C_1-C_4 alkyl, C_1-C_4 haloalkyl; R^3 is independently selected from H, F, C_1-C_4 alkyl, C_1-C_4 haloalkyl, R^4 is C_1-C_4 alkyl, R^6 is H or a protecting group or a salt thereof and R^7 is a group selected from H, Cl or trialkylsilyl,

comprising the steps of:

a) fluorinating a compound of formula V to give a compound of formula IV;

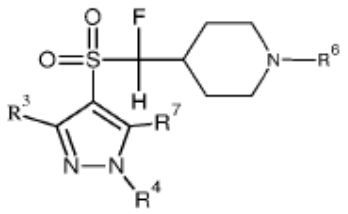


Formula V



Formula IV

b) oxidizing the compound of formula IV to give a compound of formula III

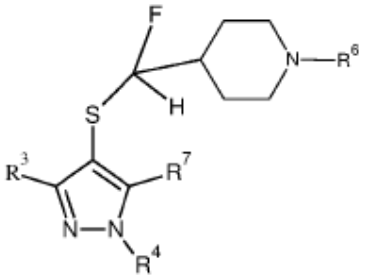


Formula III

c) converting the compound of formula III to the compound of formula II.

4. A process as claimed in claim 3, wherein the steps of fluorination and oxidization are carried out without isolating the compound of formula IV.

5. A process for preparation of a compound of formula IV

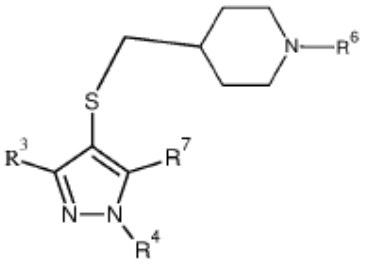


Formula IV

wherein

R^3 is independently selected from H, F, C_1-C_4 alkyl, C_1-C_4 haloalkyl, R^4 is C_1-C_4 alkyl, R^6 is H or a protecting group or a salt thereof and R^7 is a group selected from H, Cl or trialkylsilyl,

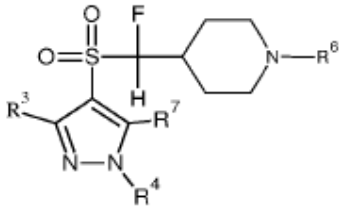
comprising the step of fluorinating a compound of formula V,



Formula V

wherein R^3, R^4, R^6 and R^7 are as defined above, to obtain a compound of formula IV.

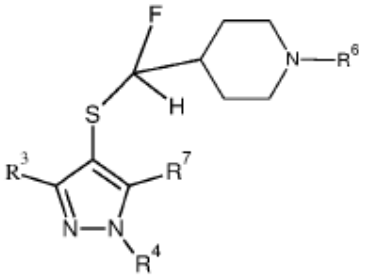
6. A process for preparation of a compound of formula III



Formula III

wherein R^3 is independently selected from H, F, C_1-C_4 alkyl, C_1-C_4 haloalkyl, R^4 is C_1-C_4 alkyl, R^6 is H or a protecting group or a salt thereof and R^7 is a group selected from H, Cl or trialkylsilyl,

comprising the step of oxidizing the compound of formula IV

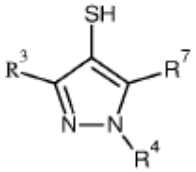


Formula IV

wherein R^3, R^4, R^6 and R^7 are as defined above,

to obtain a compound of formula III.

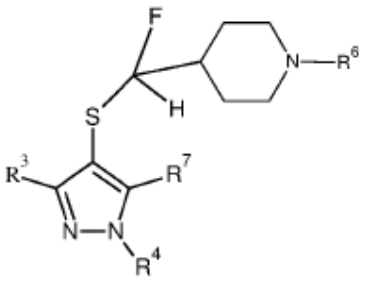
7. A compound of formula VI,



Formula VI

wherein R^3 is independently selected from F, C_1-C_4 alkyl, or C_1-C_4 haloalkyl, R^4 is C_1-C_4 alkyl, and R^7 is a group selected from H, Cl or trialkylsilyl.

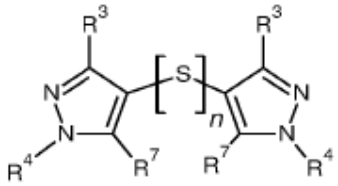
8. A compound of formula IV,



Formula IV

wherein R^3 is independently selected from H, F, C_1-C_4 alkyl, C_1-C_4 haloalkyl, R^4 is C_1-C_4 alkyl, R^6 is H or a protecting group or a salt thereof and R^7 is a group selected from H, Cl or trialkylsilyl.

9. A compound of formula VIB,



Formula VIB

wherein R^3 is independently selected from F, C_1-C_4 alkyl, or C_1-C_4 haloalkyl, R^4 is C_1-C_4 alkyl, R^7 is a group selected from H, Cl or trialkylsilyl, and n is 2-8.

10. The process as claimed in claim 1 and 2, wherein the base is selected from a group consisting of potassium carbonate, sodium carbonate, cesium carbonate, potassium bicarbonate, sodium bicarbonate and cesium bicarbonate.

11. The process as claimed in claim 1 and 2, wherein the catalyst is selected from a group consisting of copper powder, copper chloride, copper bromide, and copper iodide.

12. The process as claimed in claim 1, wherein reducing agent is selected from a group consisting of zinc/acetic acid, zinc/alcoholic potassium hydroxide, sodium borohydride, potassium borohydride, lithium aluminum hydride, triphenylphosphine/HCl, and tris(2-carboxyethyl)phosphine, borane.

13. The process as claimed in claims 3-5, wherein the step of fluorination is carried out in presence of a fluorinating agent selected from a group consisting of 1-fluoropyridinium triflate, 1-fluoropyridinium tetrafluoroborate, 1-fluoro-2,4,6-trimethylpyridinium tetrafluoroborate, 1-fluoro-2,4,6-trimethylpyridinium triflate, 1-fluoro-2,6-dichloropyridinium triflate, 2,6- dichloro- 1-fluoropyridinium tetrafluoroborate, 1-fluoro-4-methylpyridinium triflate, 1-fluoro-4-methylpyridinium tetrafluoroborate.

14. The process as claimed in 3, 4, and 6, wherein the step of oxidation is carried out in presence of an oxidizing agent selected from a group consisting of hydrogen peroxide/sodium tungstate, peracetic acid, benzyl hydroperoxide, ethylbenzene hydroperoxide, cumyl hydroperoxide, sodium hypochlorite, oxalic acid dihydrate/hydrogen peroxide, meta-chloroperoxybenzoic acid, urea-hydrogen peroxide adduct, Permanganate/manganese dioxide, Ruthenium chloride hydrate/sodium periodate and oxone.

15. The process as claimed in claim 3, wherein the step c) of converting the compound of formula III to a compound of formula II is carried out using alkylating agent selected from bromoalkane, chloroalkane, iodoalkane, diazoalkane, dialkylcarbonate, dialkylsulfonate in presence of a base selected from sodium hydride, potassium hydride, sodium ethoxide, sodium methoxide, lithium tert-butoxide, sodium tert-butoxide, potassium tert-butoxide,
triethylamine, n-butylamine, t-butylamine, pyridine, methyl lithium, n-butyl lithium, lithium diisopropylamide, lithium 2,2,6,6-tetramethylpziperidine, sodium bis(trimethylsilyl)amide, lithium bis(trimethylsilyl)amide, potassium bis(trimethylsilyl)amide, and lithium diethylamide.