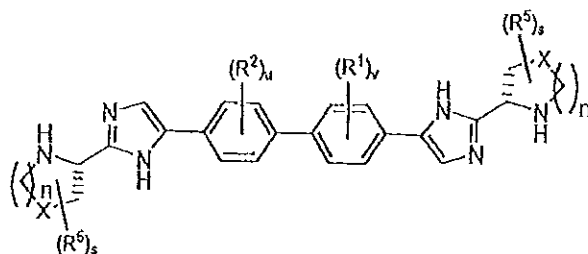


We claim:

1. A process for preparing a compound of formula (7)



(7);

or a pharmaceutically acceptable salt thereof;

wherein

n is 0, 1, or 2;

s is 0, 1, 2, 3, or 4;

u and v are each independently selected from 0, 1, 2, or 3;

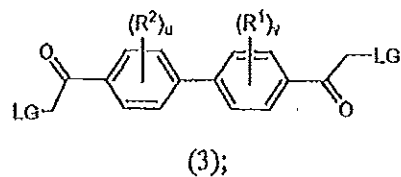
X is selected from O, S, S(O), SO₂, CH₂, CHR⁵, and C(R⁵)₂;

provided that when n is 0, X is selected from CH₂, CHR⁵, and C(R⁵)₂;

R^1 and R^2 are each independently selected from alkoxy, alkyl, and halo; and when s is 2, 3, or 4, each R^5 on the ring is independently selected from alkoxy, alkyl, and aryl, wherein the alkyl can optionally form a fused three- to six-membered ring with an adjacent carbon atom, wherein the three- to six-membered ring is optionally substituted with one or two alkyl groups;

provided that the two heterocyclic rings substituting the imidazole rings are identical; the process comprising:

(a) reacting a compound of formula (3)



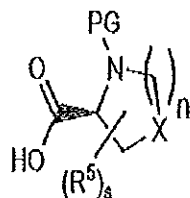
(3);

wherein

u, v, R¹, and R² are as described for formula (7); and

LG is a leaving group;

with a compound of formula (4)



wherein PG is a nitrogen protecting group;

(b) treating the product of step (a) with a reagent selected from ammonium acetate, ammonium formate, ammonium sulfamate, ammonium phosphate, ammonium citrate, ammonium carbamate, and ammonia; and

(c) treating the product of step (b) with a deprotecting agent.

2. The process as claimed in claim 1 wherein

n is 1;

s is 0;

u and v are each 0; and

X is CH₂.

3. The process as claimed in claim 1 wherein LG is a halide.

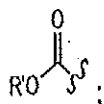
4. The process as claimed in claim 3 wherein the halide is a bromide.

5. The process as claimed in claim 1 wherein step (a) is conducted with a base.

6. The process as claimed in claim 5 wherein the base is diisopropylethylamine.

7. The process as claimed in claim 1 wherein the reagent used in step (b) is ammonium acetate.

8. The process as claimed in claim 1 wherein PG is represented by the formula:



wherein


S^{s} denotes the point of attachment to the parent molecular moiety; and R' is selected from alkyl, aryl, and arylalkyl.

9. The process as claimed in claim 8 wherein PG is tert-butoxycarbonyl.

10. The process as claimed in claim 9 wherein the deprotecting agent of step (c) is an acid.

11. The process as claimed in claim 10 wherein the acid is hydrochloric acid.

Dated this 8th day of February 2010



[NEHA SRIVASTAVA]

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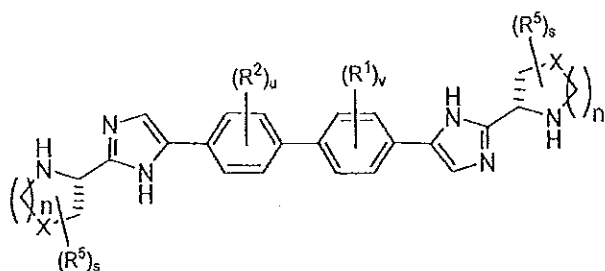
OF REMFRY & SAGAR

ATTORNEY FOR THE APPLICANT(S)

CLAIMS

What is claimed is:

- 5 1. A process for preparing a compound of formula (7)



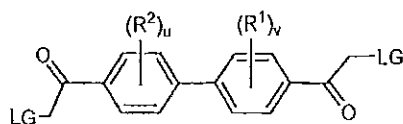
(7);

or a pharmaceutically acceptable salt thereof;

wherein

- 10 n is 0, 1, or 2;
 s is 0, 1, 2, 3, or 4;
 u and v are each independently selected from 0, 1, 2, or 3;
 X is selected from O, S, S(O), SO₂, CH₂, CHR^s, and C(R^s)₂;
 provided that when n is 0, X is selected from CH₂, CHR^s, and C(R^s)₂;
 15 R¹ and R² are each independently selected from alkoxy, alkyl, and halo; and
 when s is 2, 3, or 4, each R^s on the ring is independently selected from
 alkoxy, alkyl, and aryl, wherein the alkyl can optionally form a fused three- to six-
 membered ring with an adjacent carbon atom, wherein the three- to six-
 membered ring is optionally substituted with one or two alkyl groups;
 20 provided that the two heterocyclic rings substituting the imidazole rings are identical;
 the process comprising:

(a) reacting a compound of formula (3)

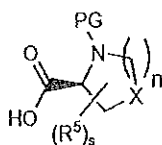


(3);

25 wherein

u, v, R¹, and R² are as described for formula (7); and

LG is a leaving group;
with a compound of formula (4)



(4);

- 5 wherein PG is a nitrogen protecting group;
- (b) treating the product of step (a) with a reagent selected from ammonium acetate, ammonium formate, ammonium sulfamate, ammonium phosphate, ammonium citrate, ammonium carbamate, and ammonia; and
- (c) treating the product of step (b) with a deprotecting agent.

10

- as claimed in*
- 2. The process of claim 1 wherein
 - n is 1;
 - s is 0;
 - u and v are each 0; and
 - 15 X is CH₂.

15

- as claimed in*
- 3. The process of claim 1 wherein LG is a halide.

- as claimed in*
- 4. The process of claim 3 wherein the halide is a bromide.

20

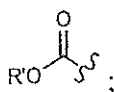
- as claimed in*
- 5. The process of claim 1 wherein step (a) is conducted with a base.

- as claimed in*
- 6. The process of claim 5 wherein the base is diisopropylethylamine.

25

- as claimed in*
- 7. The process of claim 1 wherein the reagent used in step (b) is ammonium acetate.

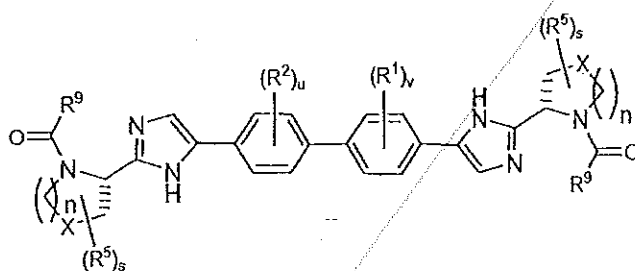
- 8. The process of claim 1 wherein PG is represented by the formula:



wherein

S^5 denotes the point of attachment to the parent molecular moiety; and
 R^9 is selected from alkyl, aryl, and arylalkyl.

- 5 9. The process of claim 8 wherein PG is *tert*-butoxycarbonyl.
 10. The process of claim 9 wherein the deprotecting agent of step (c) is an acid.
 11. The process of claim 10 wherein the acid is hydrochloric acid.
 10 12. A process for preparing a compound of formula (I)



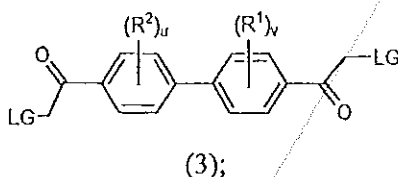
wherein

- 15 n is 0, 1, or 2;
 s is 0, 1, 2, 3, or 4;
 u and v are each independently selected from 0, 1, 2, or 3;
 X is selected from O, S, S(O), SO₂, CH₂, CHR⁵, and C(R⁵)₂;
 provided that when n is 0, X is selected from CH₂, CHR⁵, and C(R⁵)₂;
 20 R¹ and R² are each independently selected from alkoxy, alkyl, and halo; and
 when s is 2, 3, or 4, each R⁵ on the ring is independently selected from
 alkoxy, alkyl, and aryl, wherein the alkyl can optionally form a fused three- to six-
 membered ring with an adjacent carbon atom, wherein the three- to six-membered
 ring is optionally substituted with one or two alkyl groups;
 25 provided that the two heterocyclic rings substituting the imidazole rings are identical;
 and
 R⁹ is selected from alkoxy, alkoxyalkyl, alkoxycarbonyl,
 alkoxycarbonylalkyl, alkyl, alkylcarbonylalkyl, aryl, arylalkenyl, arylalkoxy,

arylalkyl, aryloxyalkyl, cycloalkyl, (cycloalkyl)alkenyl, (cycloalkyl)alkyl, cycloalkyloxyalkyl, haloalkyl, heterocyclyl, heterocyclylalkenyl, heterocyclylalkoxy, heterocyclylalkyl, heterocycluloxyalkyl, hydroxyalkyl, $-NR^cR^d$, (NR^cR^d) alkenyl, (NR^cR^d) alkyl, and (NR^cR^d) carbonyl;

5 the process comprising:

(a) reacting a compound of formula (3)

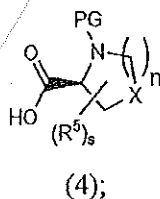


wherein

10 $u, v, R^1,$ and R^2 are as described for formula (7); and

LG is a leaving group;

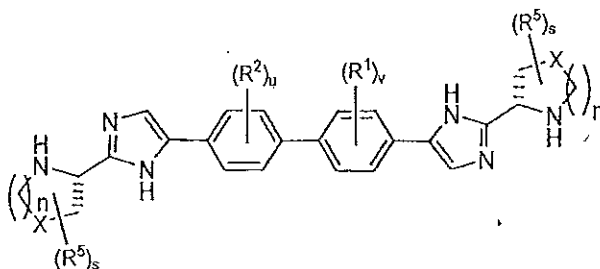
with a compound of formula (4)



15 wherein PG is a nitrogen protecting group;

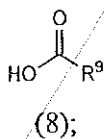
(b) treating the product of step (a) with a reagent selected from ammonium acetate, ammonium formate, ammonium sulfamate, ammonium phosphate, ammonium citrate, ammonium carbamate, and ammonia; and;

(c) treating the product of step (b) with a deprotecting agent to provide a compound
20 of formula (7)



(7); and

(d) treating the compound of formula (7) with a compound of formula (8)



wherein R⁹ is as defined above.

- 5 13. The process of claim 12 wherein
 n is 1;
 s is 0;
 u and v are each 0; and
 X is CH₂.
- 10 14. The process of claim 12 wherein LG is a halide.
- 15 15. The process of claim 14 wherein the halide is a bromide.
- 15 16. The process of claim 12 wherein step (a) is conducted with a base.
17. The process of claim 16 wherein the base is diisopropylethylamine.
18. The process of claim 12 wherein the reagent used in step (b) is ammonium
 20 acetate.
19. The process of claim 12 wherein PG is represented by the formula:
- $$\begin{array}{c} \text{O} \\ \parallel \\ \text{RO}-\text{C}-\text{S}^{\text{S}} \end{array};$$
- wherein
- 25 S^S denotes the point of attachment to the parent molecular moiety; and
 R' is selected from alkyl, aryl, and arylalkyl.
20. The process of claim 19 wherein PG is *tert*-butoxycarbonyl.
- 30 21. The process of claim 20 wherein the deprotecting agent of step (c) is an acid.

.22. ~~The process of claim 21 wherein the acid is hydrochloric acid.~~

Dated this 8th day of February, 2010.

[HRISHIKESH RAY CHAUDHURY]
OF REMFRY & SAGAR
ATTORNEY FOR THE APPLICANTS.