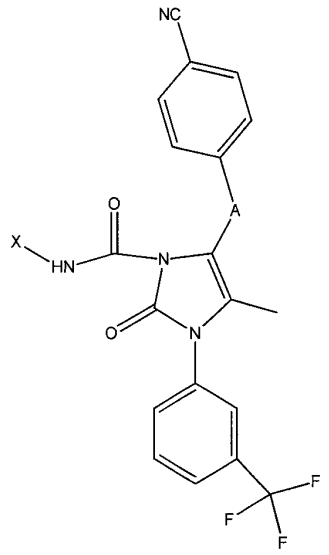
CLAIMS

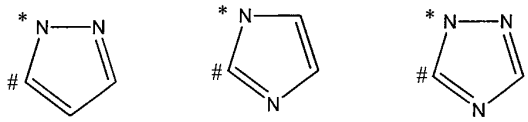
1. A compound of formula (I), or a pharmaceutically acceptable salt thereof



(I)

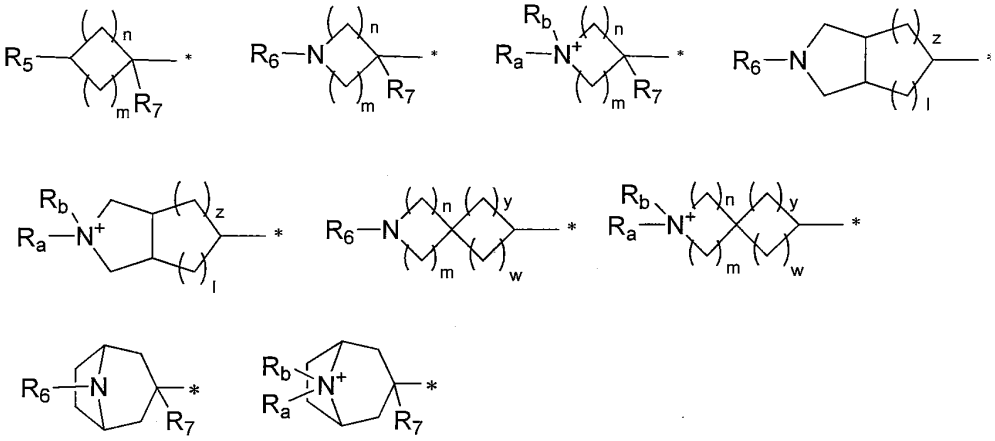
wherein

A is selected from the group consisting of

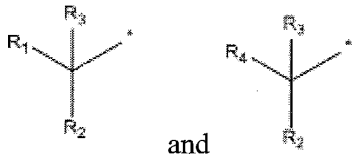


wherein the nitrogen atom designated with the asterisk * is bound to the 4-cyanophenyl group and the carbon atom designated with # is bound to the carbon atom of the 2-oxo-2,3-dihydroimidazole ring;

X is selected from the group consisting of

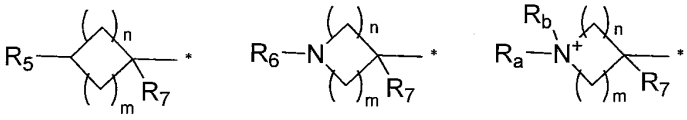


or is selected from the group consisting of



and

R1 is selected from the group consisting of



n is an integer from 1 to 4;

m is 0 or an integer from 1 to 4;

t is 0 or an integer from 1 to 4;

y is an integer from 1 to 4;

w is an integer from 1 to 4;

z is 0 or 1;

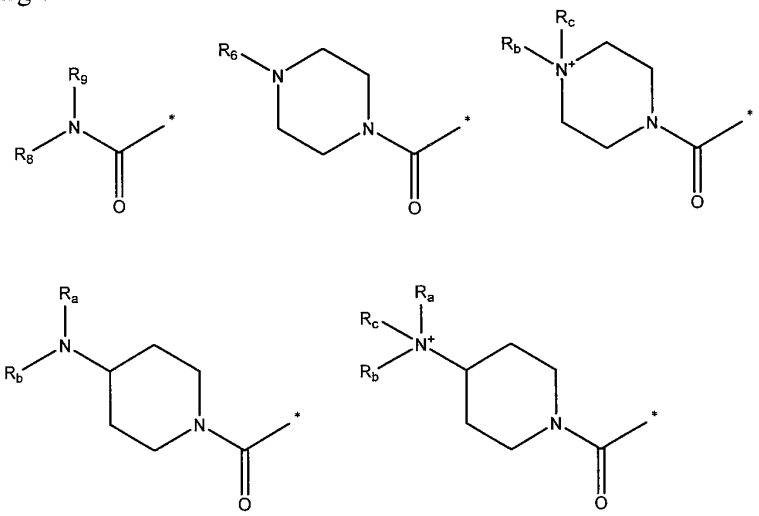
l is 0 or 1;

R2 is -H or linear or branched -(C_1-C_4)alkyl;

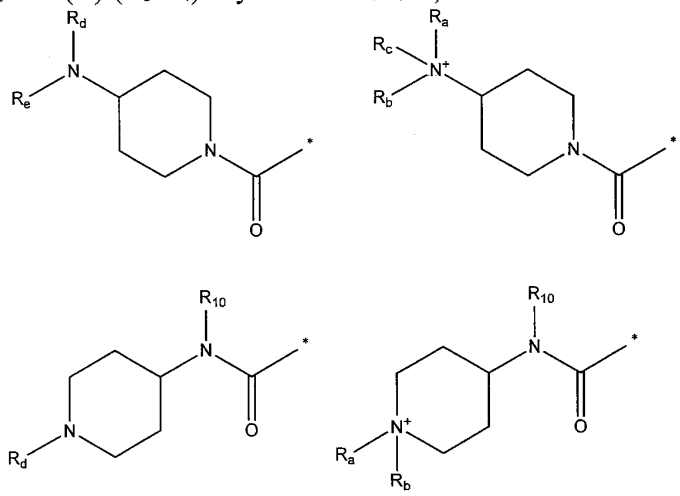
R3 is linear or branched -(C_1-C_4)alkyl or R_2 and R_3 may form together a cycloalkyl;

R4 is selected from the group consisting of -arylene-(C_1-C_4)alkylene-NR_dR_e, -arylene-(C_1-C_4)alkylene-$N^+R_aR_bR_c$, -heteroarylene-(C_1-C_4)alkylene-NR_dR_e, -heteroarylene-(C_1-C_4)alkylene-$N^+R_aR_bR_c$ and heteroaryl, wherein any of such arylene-

$(C_1\text{-}C_4)$alkylene-NR_dR_e, -arylene-$(C_1\text{-}C_4)$alkylene-$N^+R_aR_bR_c$, -heteroarylene-$(C_1\text{-}C_4)$alkylene-NR_dR_e, -heteroarylene-$(C_1\text{-}C_4)$alkylene-$N^+R_aR_bR_c$ and heteroaryl may be optionally substituted by one or more -$(C_1\text{-}C_4)$alkyl or **R_4** is selected from the group consisting of



R_5 is selected from the group consisting of aryl-$(C_1\text{-}C_4)$alkylenoxy-, linear or branched $(C_1\text{-}C_4)$alkyl-OC(O)-NH-, $-(CH_2)_t\text{-}N^+R_aR_bR_c$, -C(O)-N($R_{10}$)$(C_1\text{-}C_4)$alkylene-$NR_dR_e$, -C(O)N($R_{10}$)$(C_1\text{-}C_4)$alkylene-$N^+R_aR_bR_c$, -C(O)O$(C_1\text{-}C_4)$alkylene-$NR_dR_e$, -C(O)O$(C_1\text{-}C_4)$alkylene-$N^+R_aR_bR_c$, $-(CH_2)_t$NHC(O)-$(C_1\text{-}C_4)$alkylene-NR_dR_e, $-(CH_2)_t$NHC(O)-$(C_1\text{-}C_4)$alkylene-$N^+R_aR_bR_c$, or is selected from a group consisting of



R_6 is selected from the group consisting of aryl-$(C_1\text{-}C_4)$alkylene-OCO-, $CF_3C(O)$-, aryl-$(C_1\text{-}C_4)$alkylene, linear or branched $(C_1\text{-}C_4)$alkyl-OC(O)-, -C(O)-$(C_1\text{-}C_4)$alkylene-

NR_dR_e, -C(O)-(C_1-C_4)alkylene-$N^+R_aR_bR_c$, -C(O)O-(C_1-C_4)alkylene-NR_dR_e, -C(O)O-(C_1-C_4)alkylene-$N^+R_aR_bR_c$ -C(O)-N(R_{10})(C_1-C_4)alkylene-NR_dR_e, -C(O)N(R_{10})(C_1-C_4)alkylene-$N^+R_aR_bR_c$;

R_a is -(C_1-C_4)alkyl;

R_b is -(C_1-C_4)alkyl;

R_c is selected from -(C_1-C_4)alkyl, aryl-(C_1-C_4)alkylene and heteroaryl-(C_1-C_4)alkylene, wherein said heteroaryl-(C_1-C_4)alkylene may be optionally substituted by one or more -(C_1-C_4)alkyl groups;

R_d is –H or -(C_1-C_4)alkyl;

R_e is –H or -(C_1-C_4)alkyl;

R_7 is -H or -(C_1-C_4)alkyl;

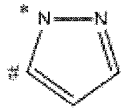
R_8 is -H or -(C_1-C_4)alkyl;

R_9 is selected from the group consisting of heterocycloalkyl, heterocycloalkyl-(C_1-C_4)alkylene-, (C_1-C_4)alkylene-NR_dR_e and (C_1-C_4)alkylene-$N^+R_aR_bR_c$;

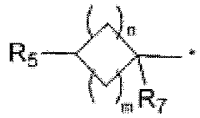
R_{10} is -H or -(C_1-C_4)alkyl;

wherein any of such heterocycloalkyl, aryl, heteroaryl and aryl-(C_1-C_4)alkylene may be optionally substituted by one or more groups independently selected from (C_1-C_4)alkyl and OR_7 and wherein the nitrogen atom in the heterocycloalkyl and heteroaryl groups may be quaternized.

2. A compound as claimed in claim 1, wherein **A** is



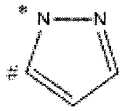
X is



n is 2 or 3; **m** is 0 or 2; **R_7** is –H; **R_5** is selected from aryl-(C_1-C_4)alkylenoxy-, linear or branched (C_1-C_4)alkyl-OC(O)-NH, C(O)O(C_1-C_4)alkylene-$N^+R_aR_bR_c$, -(CH_2)$_t$NHC(O)-

$(C_1\text{-}C_4)$alkylene-NR_dR_e, -$(CH_2)_t$NHC(O)-$(C_1\text{-}C_4)$alkylene-N^+ $R_aR_bR_c$ and -C(O)N(R_{10})(C_1-C_4)alkylene-$N^+R_aR_bR_c$ - wherein **t** is 0 or 1, $\mathbf{R_a}$ and $\mathbf{R_b}$ are independently -$(C_1\text{-}C_4)$alkyl, $\mathbf{R_c}$ is selected from -$(C_1\text{-}C_4)$alkyl, heteroaryl-$(C_1\text{-}C_4)$alkylene and aryl-$(C_1\text{-}C_4)$alkylene, $\mathbf{R_d}$ and $\mathbf{R_e}$ are independently -$(C_1\text{-}C_4)$alkyl, $\mathbf{R_{10}}$ is -H or -$(C_1\text{-}C_4)$alkyl.

3. A compound as claimed in claim 1, wherein, **A** is



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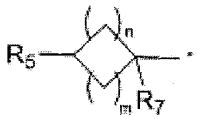
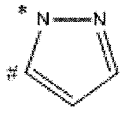


n is 1 or 2; **m** is 1 or 2; $\mathbf{R_7}$ is –H; $\mathbf{R_5}$ is -$(CH_2)_t$-$N^+R_aR_bR_c$, wherein **t** is 0 or 1, $\mathbf{R_a}$ and $\mathbf{R_b}$ are independently -$(C_1\text{-}C_4)$alkyl, $\mathbf{R_c}$ is selected from -$(C_1\text{-}C_4)$alkyl, heteroaryl-$(C_1\text{-}C_4)$alkylene and aryl-$(C_1\text{-}C_4)$alkylene.

4. A compound as claimed in claim 1, wherein **A** is



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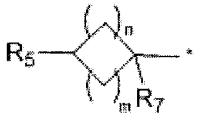
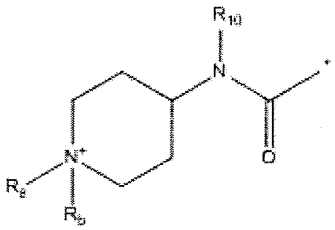
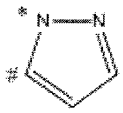


n is 2; **m** is 2; $\mathbf{R_7}$ is –H; $\mathbf{R_5}$ is

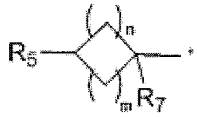


$\mathbf{R_a}$ is -$(C_1\text{-}C_4)$alkyl; $\mathbf{R_b}$ is -$(C_1\text{-}C_4)$alkyl; $\mathbf{R_{10}}$ is -H or -$(C_1\text{-}C_4)$alkyl.

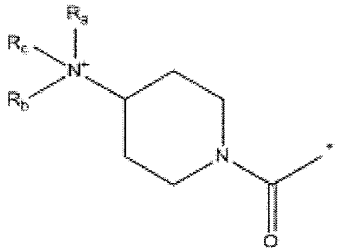
5. A compound as claimed in claim 1, wherein **A** is



X is

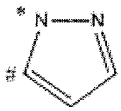


n is 2; **m** is 2; $\mathbf{R_7}$ is –H; $\mathbf{R_5}$ is

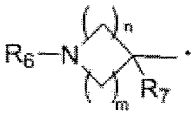


$\mathbf{R_a}$ is -(C_1-C_4)alkyl; $\mathbf{R_b}$ is -(C_1-C_4)alkyl; $\mathbf{R_c}$ is selected from -(C_1-C_4)alkyl.

6. A compound as claimed in claim 1, wherein **A** is

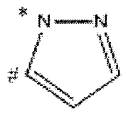


X is

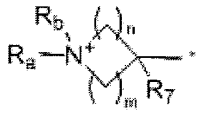


n is 2; **m** is 2; $\mathbf{R_7}$ is –H or -(C_1-C_4)alkyl; $\mathbf{R_6}$ is selected from aryl-(C_1-C_4)alkylenoxy-, aryl-(C_1-C_4)alkylene-OCO-, $CF_3C(O)$-, -C(O)-(C_1-C_4)alkylene-NR_dR_e, -C(O)O-(C_1-C_4)alkylene-$N^+R_aR_bR_c$, -C(O)N(R_{10})(C_1-C_4)alkylene-$N^+R_aR_bR_c$, and -C(O)-(C_1-C_4)alkylene-$N^+R_aR_bR_c$ wherein $\mathbf{R_d}$ is –H or -(C_1-C_4)alkyl; $\mathbf{R_e}$ is –H or -(C_1-C_4)alkyl, $\mathbf{R_a}$ is -(C_1-C_4)alkyl; $\mathbf{R_b}$ is -(C_1-C_4)alkyl; $\mathbf{R_c}$ is selected from -(C_1-C_4)alkyl; $\mathbf{R_{10}}$ is -H or -(C_1-C_4)alkyl.

7. A compound as claimed in claim 1, wherein **A** is



X is



n is 1 or 2; **m** is 2; $\mathbf{R_7}$ is –H or -(C_1-C_4)alkyl; $\mathbf{R_a}$ and $\mathbf{R_b}$ are independently -(C_1-C_4)alkyl.

8. A compound as claimed in claim 1, wherein a compound of the invention is selected in the group consisting of

5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carboxylic acid trans-(4-dimethylaminomethyl-cyclohexyl)-amide;

5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carboxylic acid ((1S,2S)-2-benzyloxy-cyclopentyl)-amide;

4-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-piperidine-1-carboxylic acid benzyl ester;

5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carboxylic acid [1-(2,2,2-trifluoro-acetyl)-piperidin-4-yl]-amide;

5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carboxylic acid ((S)-1-pyridin-4-yl-ethyl)-amide;

5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carboxylic acid ((R)-1-pyridin-4-yl-ethyl)-amide;

5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carboxylic acid [3-(4-methoxy-benzyl)-3-aza-bicyclo[3.1.0]hex-6-yl]-amide;

(Trans-4-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclohexyl)-carbamic acid tert-butyl

ester;

5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carboxylic acid (trans-4-dimethylamino-cyclohexyl)-amide;

(3aS,5R,6aR)-5-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-hexahydro-cyclopenta[c]pyrrole-2-carboxylic acid tert-butyl ester

5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carboxylic acid [(S)-1-methyl-2-(4-methyl-piperazin-1-yl)-2-oxo-ethyl]-amide;

(3aR,5S,6aS)-5-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-hexahydro-cyclopenta[c]pyrrole-2-carboxylic acid tert-butyl ester

5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carboxylic acid [(S)-1-(1-methyl-piperidin-4-ylcarbamoyl)-ethyl]-amide;

5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carboxylic acid [(S)-1-(4-dimethylaminomethyl-phenyl)-ethyl]-amide;

5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carboxylic acid [1-(3-dimethylamino-propionyl)-piperidin-4-yl]-amide;

5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carboxylic acid [(S)-1-(5-dimethylaminomethyl-oxazol-2-yl)-ethyl]-amide;

5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carboxylic acid [1-(2-dimethylamino-acetyl)-piperidin-4-yl]-amide;

5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-

2,3-dihydro-imidazole-1-carboxylic acid {(S)-1-[methyl-(1-methyl-piperidin-4-ylmethyl)-carbamoyl]-ethyl}-amide;

5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carboxylic acid [(S)-2-(4-dimethylamino-piperidin-1-yl)-1-methyl-2-oxo-ethyl]-amide;

5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carboxylic acid {(S)-1-[(2-dimethylamino-ethyl)-methyl-carbamoyl]-ethyl}-amide;

5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carboxylic acid [(S)-1-(5-dimethylaminomethyl-oxazol-2-yl)-2-methyl-propyl]-amide;

5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carboxylic acid [(S)-1-(5-dimethylaminomethyl-oxazol-2-yl)-propyl]-amide;

5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carboxylic acid [1-(5-dimethylaminomethyl-oxazol-2-yl)-cyclopropyl]-amide;

5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carboxylic acid [1-(5-dimethylaminomethyl-oxazol-2-yl)-1-methyl-ethyl]-amide;

5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carboxylic acid [1-(2-dimethylamino-acetyl)-4-methyl-piperidin-4-yl]-amide;

5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carboxylic acid [trans-4-(2-dimethylamino-acetylamino)-cyclohexyl]-amide;

5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carboxylic acid {trans-4-[(2-dimethylamino-acetylamino)-

methyl]-cyclohexyl}-amide;

5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carboxylic acid {(S)-1-[methyl-(1-methyl-piperidin-4-yl)-carbamoyl]-ethyl}-amide;

(Trans-4-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclohexylmethyl)-trimethyl-ammonium benzene sulfonate;

Benzyl-(trans-4-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclohexylmethyl)-dimethyl-ammonium bromide;

(Trans-4-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclohexylmethyl)-ethyl-dimethyl-ammonium benzene sulfonate;

4-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-1,1-dimethyl-piperidinium benzenesulfonate;

(R)-3-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-1,1-dimethyl-pyrrolidinium benzenesulfonate;

(S)-3-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-1,1-dimethyl-pyrrolidinium benzenesulfonate;

4-(1-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-ethyl)-1,1-dimethyl-piperidinium benzene sulfonate;

(1S,3R,5R)-3-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-8,8-dimethyl-8-azonia-bicyclo[3.2.1]octane benzene sulfonate;

(3aS,5R,6aR)-5-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-2,2-dimethyl-octahydro-cyclopenta[c]pyrrolium benzene sulfonate;

4-((S)-1-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-ethyl)-1-methyl-pyridinium benzene sulfonate;

(1R,3S,5S)-3-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-8,8-dimethyl-8-azonia-bicyclo[3.2.1]octane benzene sulfonate;

4-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-1,1-diethyl-piperidinium benzene sulfonate;

(Trans-4-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclohexyl)-trimethyl-ammonium benzene sulfonate;

4-((S)-1-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-ethyl)-1-ethyl-pyridinium benzene sulfonate;

Benzyl-(trans-4-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclohexyl)-dimethyl-ammonium bromide;

(Trans-4-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclohexyl)-ethyl-dimethyl-ammonium benzene sulfonate;

(Cis- 4-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclohexyl)-trimethyl-ammonium benzene sulfonate;

Benzyl-(cis-4-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-

trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclohexyl)-dimethyl-ammonium bromide;

4-(1-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-1-methyl-ethyl)-1-methyl-pyridinium benzene sulfonate;

(Cis-4-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclohexyl)-ethyl-dimethyl-ammonium benzene sulfonate;

1-Benzyl-4-((S)-2-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-propionyl)-1-methyl-piperazin-1-ium bromide;

4-((S)-2-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-propionyl)-1,1-dimethyl-piperazin-1-ium benzene sulfonate;

2-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-7,7-dimethyl-7-azonia-spiro[3.5]nonane benzene sulfonate;

4-((R)-1-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-ethyl)-1-methyl-pyridinium benzene sulfonate;

(Cis-4-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclohexylmethyl)-trimethyl-ammonium benzene sulfonate;

Benzyl-(cis-4-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclohexylmethyl)-dimethyl-ammonium bromide;

(Cis-4-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclohexylmethyl)-ethyl-dimethyl-

ammonium benzene sulfonate;

(3aR,5S,6aS)-5-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-2,2-dimethyl-octahydro-cyclopenta[c]pyrrolium benzene sulfonate;

4-((S)-2-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-propionylamino)-1,1-dimethyl-piperidinium benzene sulfonate;

[4-((S)-1-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-ethyl)-benzyl]-trimethyl-ammonium benzene sulfonate;

[4-((S)-1-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-ethyl)-benzyl]-trimethyl-ammonium benzene sulfonate;

[5-((S)-1-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-ethyl)-[1,2,4]oxadiazol-3-ylmethyl]-trimethyl-ammonium benzene sulfonate;

[2-(4-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-piperidin-1-yl)-2-oxo-ethyl]-trimethyl-ammonium benzene sulfonate;

4-{[((S)-2-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-propionyl)-methyl-amino]-methyl}-1,1-dimethyl-piperidinium benzene sulfonate;

[5-((S)-1-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-ethyl)-[1,3,4]oxadiazol-2-ylmethyl]-trimethyl-ammonium benzene sulfonate;

[2-((S)-1-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-ethyl)-oxazol-5-ylmethyl]-trimethyl-ammonium benzene sulfonate;

[3-(4-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-piperidin-1-yl)-3-oxo-propyl]-trimethyl-ammonium benzene sulfonate;

9-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-3,3-dimethyl-3-azonia-spiro[5.5]undecane benzene sulfonate;

(Cis-3-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclobutylmethyl)-trimethyl-ammonium benzene sulfonate;

(Trans-3-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclobutylmethyl)-trimethyl-ammonium benzene sulfonate;

[1-((S)-2-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-propionyl)-piperidin-4-yl]-trimethyl-ammonium benzene sulfonate;

Benzyl-[1-((S)-2-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-propionyl)-piperidin-4-yl]-dimethyl-ammonium bromide;

{2-[((S)-2-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-propionyl)-methyl-amino]-ethyl}-trimethyl-ammonium benzene sulfonate;

(Trans-4-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclohexyl)-dimethyl-[1,2,4]oxadiazol-3-ylmethyl-ammonium chloride;

[2-((S)-1-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-2-methyl-propyl)-oxazol-5-ylmethyl]-trimethyl-ammonium benzene sulfonate;

[2-((S)-1-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-

trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-propyl)-oxazol-5-ylmethyl]-trimethyl-ammonium benzene sulfonate;

(4-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclohexyl)-dimethyl-(5-methyl-isoxazol-3-ylmethyl)-ammonium chloride;

(4-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclohexyl)-(2,5-dimethyl-2H-pyrazol-3-ylmethyl)-dimethyl-ammonium chloride;

{2-[(Trans-4-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclohexanecarbonyl)-amino]-ethyl}-trimethyl-ammonium benzene sulfonate

[2-(1-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-1-methyl-ethyl)-oxazol-5-ylmethyl]-trimethyl-ammonium benzene sulfonate;

[2-(1-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclopropyl)-oxazol-5-ylmethyl]-trimethyl-ammonium benzene sulfonate;

{2-[(Cis-4-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclohexanecarbonyl)-amino]-ethyl}-trimethyl-ammonium benzene sulfonate;

{2-[(Cis-3-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclobutanecarbonyl)-amino]-ethyl}-trimethyl-ammonium benzene sulfonate;

[2-(Trans-4-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclohexanecarbonyloxy)-ethyl]-trimethyl-ammonium benzene sulfonate;

{2-[(Trans-3-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-

cyclobutanecarbonyl)-amino]-ethyl}-trimethyl-ammonium benzene sulfonate;

[2-(4-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-4-methyl-piperidin-1-yl)-2-oxo-ethyl]-trimethyl-ammonium benzene sulfonate;

±[2-(1-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-ethyl)-thiazol-4-ylmethyl]-trimethyl-ammonium benzene sulfonate;

{[(Trans-4-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclohexylmethyl)-carbamoyl]-methyl}-trimethyl-ammonium benzene sulfonate;

[(Trans-4-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclohexylcarbamoyl)-methyl]-trimethyl-ammonium benzene sulfonate;

[1-(Trans-4-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclohexanecarbonyl)-piperidin-4-yl]-trimethyl-ammonium benzene sulfonate;

{2-[(Trans-4-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclohexanecarbonyl)-methyl-amino]-ethyl}-trimethyl-ammonium benzene sulfonate;

4-[(Trans-4-{[5-[2-(4-cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-cyclohexanecarbonyl)-amino]-1,1-dimethyl-piperidinium benzene sulfonate;

4-[((S)-2-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-propionyl)-methyl-amino]-1,1-dimethyl-piperidinium benzene sulfonate;

{2-[(4-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethyl-phenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-piperidine-1-carbonyl)-amino]-ethyl}-trimethyl-ammonium benzene sulfonate;

[2-(4-{[5-[2-(4-Cyano-phenyl)-2H-pyrazol-3-yl]-4-methyl-2-oxo-3-(3-trifluoromethylphenyl)-2,3-dihydro-imidazole-1-carbonyl]-amino}-piperidine-1-carbonyloxy)-ethyl]-trimethyl-ammonium benzene sulfonate;

[2-(4-{[1-(4-Cyano-phenyl)-5'-methyl-2'-oxo-1'-(3-trifluoromethyl-phenyl)-1',2'-dihydro-1H-[2,4']biimidazolyl-3'-carbonyl]-amino}-piperidin-1-yl)-2-oxo-ethyl]-trimethyl-ammonium benzene sulfonate.

9. A pharmaceutical composition comprising a compound as claimed in any of claims 1 to 8 and a pharmaceutically acceptable carrier or excipient.

10. A pharmaceutical composition as claimed in claim 9 which is adapted for oral administration or administration by the pulmonary route.

11. A compound as claimed in any one of claims 1 to 8 for use in the treatment of a disease or condition in which HNE is implicated.

12. A compound for use according to claim 11, wherein the disease or condition is chronic obstructive pulmonary disease (COPD), bronchiectasis, chronic bronchitis, lung fibrosis, pneumonia, acute respiratory distress syndrome (ARDS), pulmonary emphysema, smoking-induced emphysema or cystic fibrosis.

13. A compound for use according to claim 11, wherein the disease or condition is asthma, rhinitis, psoriasis, atopic dermatitis, non-atopic dermatitis, Crohn's disease, ulcerative colitis, or irritable bowel disease.

14. Use of the compound as claimed in any one of claims 1 to 8 in the manufacture of a medicament for treatment of a disease or condition in which HNE is implicated.

15. The use according to claim 14, wherein the disease or condition is chronic obstructive pulmonary disease (COPD), bronchiectasis, chronic bronchitis, lung fibrosis,

pneumonia, acute respiratory distress syndrome (ARDS), pulmonary emphysema, smoking-induced emphysema or cystic fibrosis.

16. The use according to claim 14, wherein the disease or condition is asthma, rhinitis, psoriasis, atopic dermatitis, non-atopic dermatitis, Crohn's disease, ulcerative colitis, or irritable bowel disease.