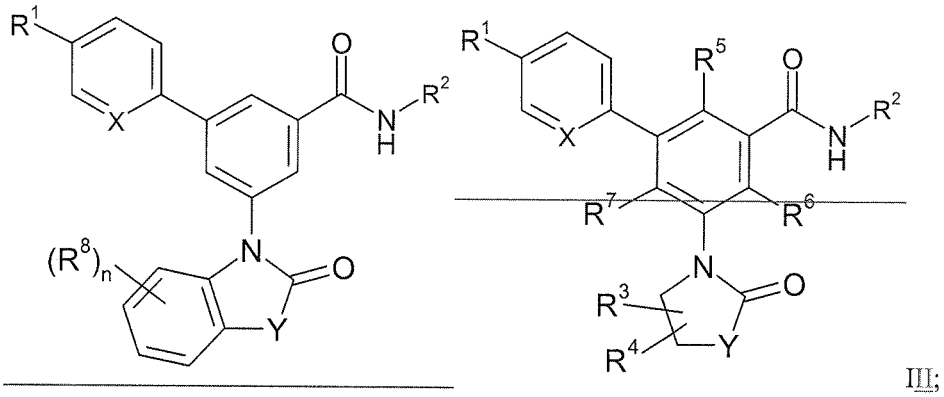
Claims

1. A compound of formula III:



III;

or pharmaceutically acceptable salts thereof,

wherein:

R^1 is: ~~C_{1-6}alkyl; or halo~~methyl;

R^2 is: cyclopropyl; 2-methoxy-1-methyl-ethyl; 2-hydroxy-1-methyl-ethyl; 5-methylpyrazin-2-yl-methyl; 1-pyrazin-2-yl-ethyl; pyrimidin-5-yl-methyl; 6-methyl-pyridazin-3-yl-methyl; pyridazin-3-yl-methyl; 5-methyl-pyrimidin-2-yl-methyl; or 2-methyl-pyrimidin-5-yl-methyl;

~~R^3 is: hydrogen; halo; C_{1-6}alkyl; or C_{1-6}alkoxy-carbonyl;~~

~~R^4 is: hydrogen; halo; C_{1-6}alkyl;~~

~~or R^3 and R^4 together with the atoms to which they are attached may form a fused 6-membered aromatic ring that optionally includes one or two nitrogens;~~

~~or R^3 and R^4 together with the atom to which they are attached may form C_{3-6}cycloalkyl;~~

~~R^5, R^6 and R^7 each independently is hydrogen;~~

X is: -N-;~~ or -CR^a wherein R^a is C_{1-6}alkyl, hydrogen, or halo; and~~

n is from 0 to 2;

Y is: -O-; -CH_2- or -NH-

R^8 is: C_{1-6}alkyl; C_{1-6}alkoxy; C_{1-6}alkyl-sulfonyl; halo-C_{1-6}alkyl; or halo.

~~Y is: -O-; CHR^b-; or NR^e-; wherein R^b and R^e each independently is hydrogen or C_{1-6}alkyl.~~

~~2. The compound of claim 1, wherein R^1 is methyl.~~

~~3. The compound of claim 1, wherein R^3 is C_{1-6}alkyl.~~

~~4. The compound of claim 1, wherein R^4 is hydrogen.~~

~~5. The compound of claim 1, wherein R^3 and R^4 together with the atoms to which they are attached form a fused phenyl ring.~~

~~6. The compound of claim 1, wherein X is -N-.~~

~~7. The compound of claim 1, wherein X is $-CR^a-$.~~

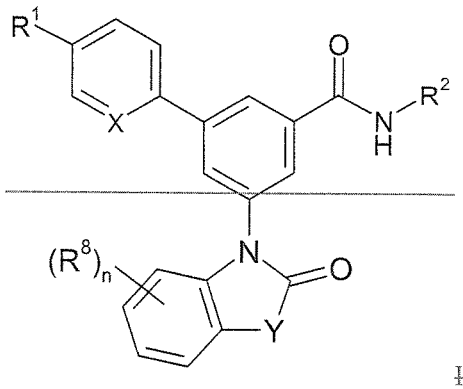
~~8. The compound of claim 7, wherein R^a is hydrogen or halo.~~

~~9~~2. The compound of claim 1, wherein Y is -O-.

~~10. The compound of claim 1, wherein Y is $-CHR^b-$.~~

~~11. The compound of claim 1, wherein Y is $-NR^c-$.~~

~~12. The compound of claim 5, wherein said compound is of formula III:~~



~~III;~~

~~wherein:~~

~~n is from 0 to 2;~~

~~Y is: -O-; $-CH_2-$ or -NH-~~

~~R^8 is: C_{1-6}alkyl; C_{1-6}alkoxy; C_{1-6}alkyl-sulfonyl; halo-C_{1-6}alkyl; or halo;~~

~~and X, R^1 and R^2 are as recited in claim 5.~~

~~13~~3. A compound according to any one of claims 1 to ~~12~~2, selected from the group consisting of:

N-(5-Methyl-pyrazin-2-ylmethyl)-3-(5-methyl-pyridin-2-yl)-5-(2-oxo-benzooxazol-3-yl)-benzamide;

3-(5-Methyl-pyridin-2-yl)-5-(2-oxo-benzooxazol-3-yl)-N-(1-pyrazin-2-yl-ethyl)-benzamide;

N-((S)-2-Hydroxy-1-methyl-ethyl)-3-(5-methyl-pyridin-2-yl)-5-(2-oxo-benzooxazol-3-yl)-benzamide;

3-(5-Methyl-pyridin-2-yl)-5-(2-oxo-2,3-dihydro-benzoimidazol-1-yl)-N-(1-pyrazin-2-yl-ethyl)-benzamide;

N-(5-Methyl-pyrazin-2-ylmethyl)-3-(5-methyl-pyridin-2-yl)-5-(2-oxo-2,3-dihydro-indol-1-yl)-benzamide;

3-(5-Methyl-pyridin-2-yl)-5-(2-oxo-2,3-dihydro-indol-1-yl)-N-(1-pyrazin-2-yl-ethyl)-benzamide;

~~3-((R)-4-Isopropyl-2-oxo-oxazolidin-3-yl)-N-((R)-2-methoxy-1-methyl-ethyl)-5-(5-methyl-pyridin-2-yl)-benzamide;~~

~~N-Cyclopropyl-3-((R)-4-isopropyl-2-oxo-oxazolidin-3-yl)-5-(5-methyl-pyridin-2-yl)-benzamide;~~

~~N-((S)-2-Hydroxy-1-methyl-ethyl)-3-((R)-4-isopropyl-2-oxo-oxazolidin-3-yl)-5-(5-methyl-pyridin-2-yl)-benzamide;~~

~~3-((R)-4-Isopropyl-2-oxo-oxazolidin-3-yl)-5-(5-methyl-pyridin-2-yl)-N-(1-pyrazin-2-yl-ethyl)-benzamide;~~

~~3-((R)-4-Isopropyl-2-oxo-oxazolidin-3-yl)-N-(5-methyl-pyrazin-2-ylmethyl)-5-(5-methyl-pyridin-2-yl)-benzamide;~~

3-(5-Methyl-pyridin-2-yl)-5-(2-oxo-benzooxazol-3-yl)-N-pyrimidin-5-ylmethyl-benzamide;

N-(6-Methyl-pyridazin-3-ylmethyl)-3-(5-methyl-pyridin-2-yl)-5-(2-oxo-benzooxazol-3-yl)-benzamide;

3-(5-Methyl-pyridin-2-yl)-5-(2-oxo-benzooxazol-3-yl)-N-pyridazin-3-ylmethyl-benzamide;

~~3-((R)-4-Methyl-2-oxo-oxazolidin-3-yl)-5-(5-methyl-pyridin-2-yl)-N-(1-pyrazin-2-yl-ethyl)-benzamide;~~

3-((R)-4-Methyl-2-oxo-oxazolidin-3-yl)-N-(5-methyl-pyrazin-2-ylmethyl)-5-(5-methyl-pyridin-2-yl)-benzamide;

3-(4-Ethyl-2-oxo-oxazolidin-3-yl)-N-((S)-2-hydroxy-1-methyl-ethyl)-5-(5-methyl-pyridin-2-yl)-benzamide;

3-(4-Ethyl-2-oxo-oxazolidin-3-yl)-5-(5-methyl-pyridin-2-yl)-N-(1-pyrazin-2-yl-ethyl)-benzamide;

3-(4-Ethyl-2-oxo-oxazolidin-3-yl)-N-(5-methyl-pyrazin-2-ylmethyl)-5-(5-methyl-pyridin-2-yl)-benzamide;

3-(4,4-Dimethyl-2-oxo-oxazolidin-3-yl)-5-(5-methyl-pyridin-2-yl)-N-(1-pyrazin-2-yl-ethyl)-benzamide;

3-(4,4-Dimethyl-2-oxo-oxazolidin-3-yl)-N-(5-methyl-pyrazin-2-ylmethyl)-5-(5-methyl-pyridin-2-yl)-benzamide;

N-((S)-2-Hydroxy-1-methyl-ethyl)-3-(5-methyl-pyridin-2-yl)-5-((R)-2-oxo-4-propyl-oxazolidin-3-yl)-benzamide;

3-(5-Methyl-pyridin-2-yl)-5-((R)-2-oxo-4-propyl-oxazolidin-3-yl)-N-(1-pyrazin-2-yl-ethyl)-benzamide;

N-(5-Methyl-pyrazin-2-ylmethyl)-3-(5-methyl-pyridin-2-yl)-5-((R)-2-oxo-4-propyl-oxazolidin-3-yl)-benzamide;

3-(4,4-Dimethyl-2-oxo-oxazolidin-3-yl)-N-((S)-2-hydroxy-1-methyl-ethyl)-5-(5-methyl-pyridin-2-yl)-benzamide;

N-((S)-2-Hydroxy-1-methyl-ethyl)-3-(2-methyl-5-oxo-pyrrolidin-1-yl)-5-(5-methyl-pyridin-2-yl)-benzamide;

3-(2-Methyl-5-oxo-pyrrolidin-1-yl)-5-(5-methyl-pyridin-2-yl)-N-(1-pyrazin-2-yl-ethyl)-benzamide;

3-(2-Methyl-5-oxo-pyrrolidin-1-yl)-N-(5-methyl-pyrazin-2-ylmethyl)-5-(5-methyl-pyridin-2-yl)-benzamide;

N-(5-Methyl-pyrazin-2-ylmethyl)-3-(5-methyl-pyridin-2-yl)-5-(5-oxo-6-oxa-4-aza-spiro[2.4]hept-4-yl)-benzamide;

~~N-(5-Methyl-pyrazin-2-ylmethyl)-3-(5-methyl-pyridin-2-yl)-5-(8-oxo-7,8-dihydro-purin-9-yl)-benzamide;~~

~~3-(4,4-Dimethyl-2-oxo-oxazolidin-3-yl)-N-(6-methyl-pyridazin-3-ylmethyl)-5-(5-methyl-pyridin-2-yl)-benzamide;~~

3-(5-Methyl-pyridin-2-yl)-N-(5-methyl-pyrimidin-2-ylmethyl)-5-(2-oxo-benzooxazol-3-yl)-benzamide;

3-(5-Methyl-pyridin-2-yl)-N-(2-methyl-pyrimidin-5-ylmethyl)-5-(2-oxo-benzooxazol-3-yl)-benzamide;

~~4'-Methyl-5-(2-oxo-pyrrolidin-1-yl)-biphenyl-3-carboxylic acid (2-methoxy-1-methyl-ethyl)-amide;~~

~~4'-Methyl-5-(2-oxo-imidazolidin-1-yl)-biphenyl-3-carboxylic acid (2-methoxy-1-methyl-ethyl)-amide;~~

~~4'-Methyl-5-(2-methyl-5-oxo-pyrrolidin-1-yl)-biphenyl-3-carboxylic acid (2-methoxy-1-methyl-ethyl)-amide;~~

~~(S)-1-[5-(2-Methoxy-1-methyl-ethylcarbamoyl)-4'-methyl-biphenyl-3-yl]-5-oxo-pyrrolidine-2-carboxylic acid methyl ester;~~

~~5-((R)-4-Isopropyl-2-oxo-oxazolidin-3-yl)-4'-methyl-biphenyl-3-carboxylic acid ((S)-2-hydroxy-1-methyl-ethyl)-amide;~~

~~5-((R)-4-Isopropyl-2-oxo-oxazolidin-3-yl)-4'-methyl-biphenyl-3-carboxylic acid (1-pyrazin-2-yl-ethyl)-amide;~~

~~5-((R)-4-Isopropyl-2-oxo-oxazolidin-3-yl)-4'-methyl-biphenyl-3-carboxylic acid (5-methyl-pyrazin-2-ylmethyl)-amide;~~

~~5-((R)-4-Isopropyl-2-oxo-oxazolidin-3-yl)-4'-methyl-biphenyl-3-carboxylic acid cyclopropylamide;~~

~~5-((S)-4-Isopropyl-2-oxo-oxazolidin-3-yl)-4'-methyl-biphenyl-3-carboxylic acid-cyclopropylamide;~~

~~5-((S)-4-Isopropyl-2-oxo-oxazolidin-3-yl)-4'-methyl-biphenyl-3-carboxylic acid ((S)-2-hydroxy-1-methyl-ethyl)-amide;~~

~~5-((S)-4-Isopropyl-2-oxo-oxazolidin-3-yl)-4'-methyl-biphenyl-3-carboxylic acid (5-methyl-pyrazin-2-ylmethyl)-amide;~~

~~5-((S)-4-Isopropyl-2-oxo-oxazolidin-3-yl)-4'-methyl-biphenyl-3-carboxylic acid (1-pyrazin-2-yl-ethyl)-amide;~~

~~2'-Fluoro-5-((R)-4-isopropyl-2-oxo-oxazolidin-3-yl)-4'-methyl-biphenyl-3-carboxylic acid ((S)-2-hydroxy-1-methyl-ethyl)-amide;~~

~~2'-Fluoro-5-((R)-4-isopropyl-2-oxo-oxazolidin-3-yl)-4'-methyl-biphenyl-3-carboxylic acid (1-pyrazin-2-yl-ethyl)-amide;~~

~~2'-Fluoro-5-((R)-4-isopropyl-2-oxo-oxazolidin-3-yl)-4'-methyl-biphenyl-3-carboxylic acid (5-methyl-pyrazin-2-ylmethyl)-amide;~~

~~2'-Fluoro-5-((R)-4-isopropyl-2-oxo-oxazolidin-3-yl)-4'-methyl-biphenyl-3-carboxylic acid cyclopropylamide;~~

4'-Methyl-5-(2-oxo-benzooxazol-3-yl)-biphenyl-3-carboxylic acid (1-pyrazin-2-yl-ethyl)-amide;

4'-Methyl-5-(2-oxo-benzooxazol-3-yl)-biphenyl-3-carboxylic acid (5-methyl-pyrazin-2-ylmethyl)-amide;

~~4'-Methyl-5-(2-oxo-imidazolidin-1-yl)-biphenyl-3-carboxylic acid (2-methoxy-1-methyl-ethyl)-amide;~~

4'-Methyl-5-(2-oxo-2,3-dihydro-indol-1-yl)-biphenyl-3-carboxylic acid (5-methyl-pyrazin-2-ylmethyl)-amide; and

4'-Methyl-5-(2-oxo-2,3-dihydro-indol-1-yl)-biphenyl-3-carboxylic acid (1-pyrazin-2-yl-ethyl)-amide; ~~and~~

~~4'-Methyl-5-(8-oxo-7,8-dihydro-purin-9-yl)-biphenyl-3-carboxylic acid ((S)-1-pyrazin-2-yl-ethyl)-amide;~~ and pharmaceutically acceptable salts thereof.

~~14~~4. A compound according to any one of claims 1 to ~~13~~3 for use as therapeutically active substance.

~~155~~. A compound according to any one of claims 1 to ~~133~~ for use in the treatment of a urinary tract disease selected from reduced bladder capacity, frequenct micturition, urge incontinence, stress incontinence, bladder hyperreactivity, benign prostatic hypertrophy, prostatitis, detrusor hyperreflexia, urinary frequency, nocturia, urinary urgency, overactive bladder, pelvic hypersensitivity, urethritis, pelvic pain syndrome, prostatodynia, cystitis, or idiophatic bladder hypersensitivity; or for use in the treatment of a pain condition selected from inflammatory pain, surgical pain, visceral pain, dental pain, premenstrual pain, central pain, pain due to burns, migraine or cluster headaches, nerve injury, neuritis, neuralgias, poisoning, ischemic injury, interstitial cystitis, cancer pain, viral, parasitic or bacterial infection, post-traumatic injury, or pain associated with irritable bowel syndrome.

~~166~~. A pharmaceutical composition comprising: (a) a pharmaceutically acceptable carrier; and (b) a compound of any one of claims 1 to ~~133~~.

~~197~~. The use of a compound according to any one of claims 1 to ~~133~~ for the preparation of a medicament for the treatment of a urinary tract disease selected from reduced bladder capacity, frequenct micturition, urge incontinence, stress incontinence, bladder hyperreactivity, benign prostatic hypertrophy, prostatitis, detrusor hyperreflexia, urinary frequency, nocturia, urinary urgency, overactive bladder, pelvic hypersensitivity, urethritis, pelvic pain syndrome, prostatodynia, cystitis, or idiophatic bladder hypersensitivity; or for the treatment of a pain condition selected from inflammatory pain, surgical pain, visceral pain, dental pain, premenstrual pain, central pain, pain due to burns, migraine or cluster headaches, nerve injury, neuritis, neuralgias, poisoning, ischemic injury, interstitial cystitis, cancer pain, viral, parasitic or bacterial infection, post-traumatic injury, or pain associated with irritable bowel syndrome.