18. The compound according to claim 17, wherein (C_1-C_4)alkyl is methyl.

19. The compound according to any of claims 16 to 18, wherein R^4 and R^5 are independently selected from the group consisting of hydrogen, fluoro, trifluoromethyl and trifluoromethoxy.

20. The compound according to any of claims 16 to 19, wherein R^6 and R^7 are independently selected from the group consisting of hydrogen, fluoro, trifluoromethyl and trifluoromethoxy.

21. The compound according to any of claims 16 to 20, wherein R^8 and R^9 are hydrogen.

22. The compound selected from:

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)-N-[4-(trifluoromethyl)-1,3-thiazol-2-yl]acetamide;

N-[4-(4-Chlorophenyl)-1,3-thiazol-2-yl]-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)-N-{4-[3-(trifluoromethoxy)phenyl]-1,3-thiazol-2-yl}acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)-N-[4-(4-isobutylphenyl)-1,3-thiazol-2-yl]acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)-N-{4-[4-fluoro-3-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)-N-{4-[4-fluoro-3-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)-N-{4-[2-fluoro-4-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)-N-{4-[3-fluoro-5-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)-N-{4-[2-fluoro-3-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)-N-{4-[4-fluoro-3-(trifluoromethoxy)phenyl]-1,3-thiazol-2-yl}acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)-N-{4-[3-fluoro-4-(trifluoromethoxy)phenyl]-1,3-thiazol-2-yl}acetamide;

N-[4-(3,4-Dichlorophenyl)-1,3-thiazol-2-yl]-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)acetamide;

N-{4-[2,4-Difluoro-3-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)acetamide;

[N-{4-[2,4-Difluoro-3-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)acetamide]sodium; and

N-{4-[2,3-Difluoro-4-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)acetamide;

N-{4-[3,5-Difluoro-4-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-[4-(4-*tert*-Butylphenyl)-1,3-thiazol-2-yl]-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-{4-[3-(Trifluoromethoxy)phenyl]-1,3-thiazol-2-yl}-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-[4-(4-Chlorophenyl)-1,3-thiazol-2-yl]-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-[4-(3,4-Dichlorophenyl)-1,3-thiazol-2-yl]-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-[4-(2,3-Difluorophenyl)-1,3-thiazol-2-yl]-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-[4-(2,4-Difluorophenyl)-1,3-thiazol-2-yl]-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-{4-[4-Fluoro-3-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-{4-[3-Fluoro-4-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)acetamide;

N-{4-[4-Fluoro-3-(trifluoromethoxy)phenyl]-1,3-thiazol-2-yl}-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-{4-[3-Fluoro-4-(trifluoromethoxy)phenyl]-1,3-thiazol-2-yl}-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-{4-[2,4-Difluoro-3-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-[4-(3-Trifluoromethoxyphenyl)-1*H*-imidazol-2-yl]-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-{4-[3-Fluoro-4-(trifluoromethyl)phenyl]-1*H*-imidazol-2-yl}-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide; and

N-[4-(4-Cyanophenyl)-1,3-thiazol-2-yl]-2-(6-ethyl-1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-{4-[3-Fluoro-4-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(6-ethyl-1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)acetamide;

N-[4-(2,4-Difluoro-3-trifluoromethyl)phenyl)-1,3-thiazol-2-yl]-2-(6-ethyl-1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-{4-[4-(Difluoromethoxy)-3,5-difluorophenyl]-1,3-thiazol-2-yl}-2-(6-ethyl-1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-{4-[3,5-Difluoro-4-(2,2,2-trifluoroethoxy)phenyl]-1,3-thiazol-2-yl}-2-(6-ethyl-1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-{4-[3-Fluoro-4-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(1,3-dimethyl-2,4-dioxo-6-propyl-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl) acetamide;

N-{4-[4-Difluoromethoxy-3,5-difluorophenyl]-1,3-thiazol-2-yl}-2-(1,3-dimethyl-2,4-dioxo-6-propyl-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl) acetamide;

N-{4-[3-Fluoro-4-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(6-isopropyl-1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-[3-(4-Chlorophenyl)isoxazol-5-yl]-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-[5-(4-Bromophenyl)isoxazol-3-yl]-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-[1-(4-Bromophenyl)-1*H*-pyrazol-3-yl]-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-[3-(4-Chlorophenyl)-1*H*-pyrazol-5-yl]-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)acetamide;

N-[5-(4-Bromophenyl)-1,3,4-thiadiazol-2-yl]-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-[4-(4-Bromophenyl)pyrimidin-2-yl]-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)-*N*-[4-(4-isobutylphenyl)-1,3-thiazol-2-yl]acetamide; and

N-[4-(4-Chlorophenyl)-1,3-thiazol-2-yl]-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)-*N*-[4-(3-trifluoromethyl)phenyl]-1,3-thiazol-2-yl]acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)-*N*-[4-(4-trifluoromethyl)phenyl]-1,3-thiazol-2-yl]acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)-*N*-{4-[3-(trifluoromethoxy)phenyl]-1,3-thiazol-2-yl}acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)-*N*-{4-[4-fluoro-3-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)-*N*-{4-[3-fluoro-4-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)-*N*-{4-[2-fluoro-4-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)-*N*-{4-[3-fluoro-4-(trifluoromethoxy)phenyl]-1,3-thiazol-2-yl}acetamide;

N-[4-(3,4-Dichlorophenyl)-1,3-thiazol-2-yl]-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)-*N*-{4-[3-fluoro-5-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)-*N*-{4-[4-fluoro-3-(trifluoromethoxy)phenyl]-1,3-thiazol-2-yl}acetamide;

N-{4-[2,3-Difluoro-4-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)acetamide;

N-{4-[2,4-Difluoro-3-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)acetamide;

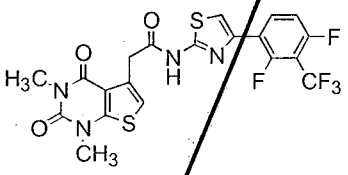
N-{4-[3,5-difluoro-4-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)acetamide;

N-{4-[4-(Difluoromethoxy)-3,5-difluorophenyl]-1,3-thiazol-2-yl}-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)acetamide; and

N-{4-[3,5-Difluoro-4-(2,2,2-trifluoro-ethoxy)phenyl]-1,3-thiazol-2-yl}-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)acetamide;

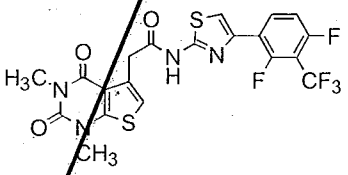
or a pharmaceutically acceptable salt thereof.

23. The compound having formula

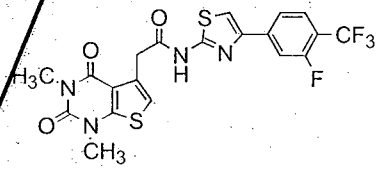


or a pharmaceutically acceptable salt thereof.

24. The compound having formula

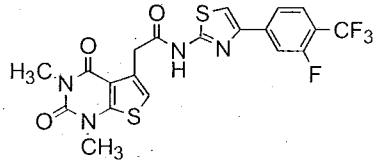


25. The compound of formula



or a pharmaceutically acceptable salt thereof.

26. The compound of formula



27. A pharmaceutical composition comprising one or more compounds selected from the compounds of any one of claims 1 to 26, and one or more pharmaceutically acceptable excipients, carriers, diluents or mixture thereof.

28. Use of a compound according to any of claims 1 to 26 for treating disease or condition associated with TRPA1 function in a subject in need thereof.

29. The use according to claim 28, wherein the symptoms of a disease or condition associated with TRPA1 function is selected from pain, chronic pain, complex regional pain syndrome, neuropathic pain, postoperative pain, rheumatoid arthritic pain, osteoarthritic pain, back pain, visceral pain, cancer pain, algesia, neuralgia, migraine, neuropathies, diabetic neuropathy, sciatica, HIV-related neuropathy, post-herpetic neuralgia, fibromyalgia, nerve injury, ischaemia, neurodegeneration, stroke, post stroke pain, multiple sclerosis, respiratory diseases, asthma, cough, COPD, inflammatory disorders, oesophagitis, gastroeosophagal reflux disorder (GERD), irritable bowel syndrome, inflammatory bowel disease, pelvic hypersensitivity, urinary incontinence, cystitis, burns, psoriasis, eczema, emesis, stomach duodenal ulcer and pruritus.

30. The use according to claim 29, wherein the symptoms of a disease or condition is associated with chronic pain.

31. The use according to claim 29, wherein the symptoms of a disease or condition is associated with neuropathic pain.

32. The use according to claim 29, wherein the symptoms of a disease or condition is associated with rheumatoid arthritic pain or osteoarthritic pain.

18. The compound according to claim 17, wherein (C_1-C_4)alkyl is methyl.

19. The compound according to any of claims 16 to 18, wherein R^4 and R^5 are independently selected from the group consisting of hydrogen, fluoro, trifluoromethyl and trifluoromethoxy.

20. The compound according to any of claims 16 to 19, wherein R^6 and R^7 are independently selected from the group consisting of hydrogen, fluoro, trifluoromethyl and trifluoromethoxy.

21. The compound according to any of claims 16 to 20, wherein R^8 and R^9 are hydrogen.

22. A compound selected from:

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)-N-[4-(trifluoromethyl)-1,3-thiazol-2-yl]acetamide;

N-[4-(4-Chlorophenyl)-1,3-thiazol-2-yl]-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)-N-{4-[3-(trifluoromethoxy)phenyl]-1,3-thiazol-2-yl}acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)-N-[4-(4-isobutylphenyl)-1,3-thiazol-2-yl]acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)-N-{4-[4-fluoro-3-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)-N-{4-[4-fluoro-3-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)-N-{4-[2-fluoro-4-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)-N-{4-[3-fluoro-5-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)-N-{4-[2-fluoro-3-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)-N-{4-[4-fluoro-3-(trifluoromethoxy)phenyl]-1,3-thiazol-2-yl}acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)-N-{4-[3-fluoro-4-(trifluoromethoxy)phenyl]-1,3-thiazol-2-yl}acetamide;

N-[4-(3,4-Dichlorophenyl)-1,3-thiazol-2-yl]-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)acetamide;

N-{4-[2,4-Difluoro-3-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)acetamide;

[N-{4-[2,4-Difluoro-3-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)acetamide]sodium; and

N-{4-[2,3-Difluoro-4-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)acetamide;

N-{4-[3,5-Difluoro-4-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-[4-(4-*tert*-Butylphenyl)-1,3-thiazol-2-yl]-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-{4-[3-(Trifluoromethoxy)phenyl]-1,3-thiazol-2-yl}-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-[4-(4-Chlorophenyl)-1,3-thiazol-2-yl]-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-[4-(3,4-Dichlorophenyl)-1,3-thiazol-2-yl]-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-[4-(2,3-Difluorophenyl)-1,3-thiazol-2-yl]-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-[4-(2,4-Difluorophenyl)-1,3-thiazol-2-yl]-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-{4-[4-Fluoro-3-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-{4-[3-Fluoro-4-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)acetamide;

N-{4-[4-Fluoro-3-(trifluoromethoxy)phenyl]-1,3-thiazol-2-yl}-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-{4-[3-Fluoro-4-(trifluoromethoxy)phenyl]-1,3-thiazol-2-yl}-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-{4-[2,4-Difluoro-3-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-[4-(3-Trifluoromethoxyphenyl)-1*H*-imidazol-2-yl]-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-{4-[3-Fluoro-4-(trifluoromethyl)phenyl]-1*H*-imidazol-2-yl}-2-(1,3,6-trimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide; and

N-[4-(4-Cyanophenyl)-1,3-thiazol-2-yl]-2-(6-ethyl-1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-{4-[3-Fluoro-4-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(6-ethyl-1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-d]pyrimidin-5-yl)acetamide;

N-[4-(2,4-Difluoro-3-trifluoromethyl)phenyl)-1,3-thiazol-2-yl]-2-(6-ethyl-1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-{4-[4-(Difluoromethoxy)-3,5-difluorophenyl]-1,3-thiazol-2-yl}-2-(6-ethyl-1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-{4-[3,5-Difluoro-4-(2,2,2-trifluoroethoxy)phenyl]-1,3-thiazol-2-yl}-2-(6-ethyl-1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-{4-[3-Fluoro-4-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(1,3-dimethyl-2,4-dioxo-6-propyl-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl) acetamide;

N-{4-[4-Difluoromethoxy-3,5-difluorophenyl]-1,3-thiazol-2-yl}-2-(1,3-dimethyl-2,4-dioxo-6-propyl-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl) acetamide;

N-{4-[3-Fluoro-4-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(6-isopropyl-1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-[3-(4-Chlorophenyl)isoxazol-5-yl]-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-[5-(4-Bromophenyl)isoxazol-3-yl]-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-[1-(4-Bromophenyl)-1*H*-pyrazol-3-yl]-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-[3-(4-Chlorophenyl)-1*H*-pyrazol-5-yl]-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)acetamide;

N-[5-(4-Bromophenyl)-1,3,4-thiadiazol-2-yl]-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

N-[4-(4-Bromophenyl)pyrimidin-2-yl]-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[2,3-*d*]pyrimidin-5-yl)acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)-*N*-[4-(4-isobutylphenyl)-1,3-thiazol-2-yl]acetamide; and

N-[4-(4-Chlorophenyl)-1,3-thiazol-2-yl]-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)-*N*-[4-(3-trifluoromethyl)phenyl]-1,3-thiazol-2-yl]acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)-*N*-[4-(4-trifluoromethyl)phenyl]-1,3-thiazol-2-yl]acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)-*N*-{4-[3-(trifluoromethoxy)phenyl]-1,3-thiazol-2-yl}acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)-*N*-{4-[4-fluoro-3-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)-*N*-{4-[3-fluoro-4-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)-*N*-{4-[2-fluoro-4-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)-*N*-{4-[3-fluoro-4-(trifluoromethoxy)phenyl]-1,3-thiazol-2-yl}acetamide;

N-[4-(3,4-Dichlorophenyl)-1,3-thiazol-2-yl]-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)-*N*-{4-[3-fluoro-5-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}acetamide;

2-(1,3-Dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)-*N*-{4-[4-fluoro-3-(trifluoromethoxy)phenyl]-1,3-thiazol-2-yl}acetamide;

N-{4-[2,3-Difluoro-4-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)acetamide;

N-{4-[2,4-Difluoro-3-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)acetamide;

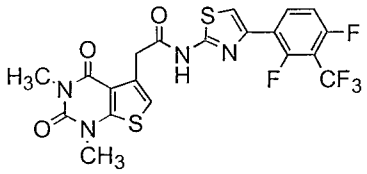
N-{4-[3,5-difluoro-4-(trifluoromethyl)phenyl]-1,3-thiazol-2-yl}-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)acetamide;

N-{4-[4-(Difluoromethoxy)-3,5-difluorophenyl]-1,3-thiazol-2-yl}-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)acetamide; and

N-{4-[3,5-Difluoro-4-(2,2,2-trifluoro-ethoxy)phenyl]-1,3-thiazol-2-yl}-2-(1,3-dimethyl-2,4-dioxo-1,2,3,4-tetrahydrothieno[3,4-*d*]pyrimidin-5-yl)acetamide;

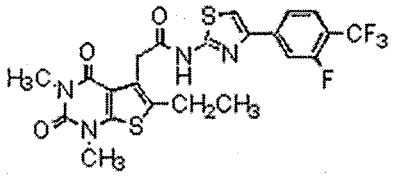
or a pharmaceutically acceptable salt thereof.

23. A compound having formula

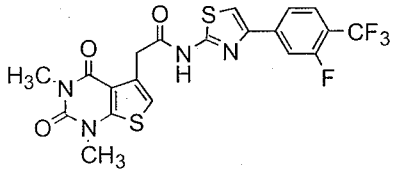


or a pharmaceutically acceptable salt thereof.

24. A compound having formula

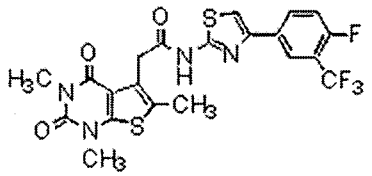


25. A compound of formula



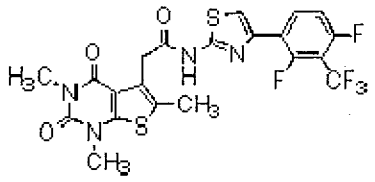
or a pharmaceutically acceptable salt thereof.

26. A compound of formula



or a pharmaceutically acceptable salt thereof.

27. The compound of formula



or a pharmaceutically acceptable salt thereof.

28. A pharmaceutical composition comprising one or more compounds selected from the compounds of any one of claims 1 to 27, and one or more pharmaceutically acceptable excipients, carriers, diluents or mixture thereof.

29. Use of a compound according to any of claims 1 to 27 for the manufacture of medicament for treatment of disease or condition associated with TRPA1 function in a subject in need thereof.

30. The use of a compound according to claim 29, for the manufacture of medicament for the treatment of the symptoms of a disease or condition associated with TRPA1 function which is selected from pain, chronic pain, complex regional pain syndrome, neuropathic pain, postoperative pain, rheumatoid arthritic pain, osteoarthritic pain, back pain, visceral pain, cancer pain, algesia, neuralgia, migraine, neuropathies, diabetic neuropathy, sciatica, HIV-related neuropathy, post-herpetic neuralgia, fibromyalgia, nerve injury, ischaemia, neurodegeneration, stroke, post stroke pain, multiple sclerosis, respiratory diseases, asthma, cough, COPD, inflammatory disorders, oesophagitis, gastroeosophagal reflux disorder (GERD), irritable bowel syndrome, inflammatory bowel disease, pelvic hypersensitivity, urinary incontinence, cystitis, burns, psoriasis, eczema, emesis, stomach duodenal ulcer and pruritus.

31. The use of a compound according to claim 30 for the manufacture of the medicament for the treatment ofchronic pain.

32. The use of a compound according to claim 30 for the manufacture of the medicament for the treatment of neuropathic pain.

33. The use of a compound according to claim 30 for the manufacture of the medicament for the treatment of rheumatoid arthritic pain or osteoarthritic pain.