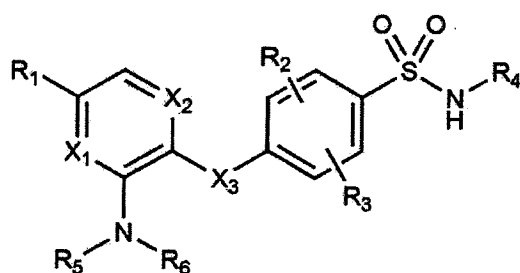


[The Claims Defining the Invention are as Follows]

[Claim 1]

A compound represented by Chemical Formula 1 below, or a
5 pharmaceutically acceptable salt thereof:

[Chemical Formula 1]



in Chemical Formula 1,

10 R_1 is hydrogen, C_{1-4} alkyl, C_{1-4} alkoxy, C_{1-4} haloalkyl, C_{1-4} haloalkoxy, halogen, or cyano,

R_2 and R_3 are each independently hydrogen, or halogen,

R_4 is C_{5-10} heteroaryl containing one or two elements each independently selected from the group consisting of N, S and O,

15 wherein the C_{5-10} heteroaryl is unsubstituted or substituted with C_{1-4} alkyl, or halogen,

R_5 is $-CH_2CH_2-N(R_7)(R_8)$, or $-CH_2CH_2CH_2-N(R_7)(R_8)$, R_6 is hydrogen, or C_{1-4} alkyl; or R_5 and R_6 together form C_{3-5} alkylene, $(C_{2-4}$ alkylene)- $N(R_9)$ -(C_{2-4} alkylene), or $(C_{2-4}$ alkylene)-O-(C_{2-4} alkylene),

20 wherein the C_{3-5} alkylene, or C_{2-4} alkylene is each independently unsubstituted or substituted with one or two R_{10} ,

R_7 , R_8 , and R_9 are each independently hydrogen, or C_{1-4} alkyl,

R_{10} is C_{1-4} alkyl, C_{1-4} alkoxy, halogen, amino, $NH(C_{1-4}$ alkyl), $N(C_{1-4}$ alkyl)₂, $NHCO(C_{1-4}$ alkyl), or pyrrolidinyl,

25 X_1 is C- R' , or N, wherein R' is hydrogen, or halogen,

X_2 is CH, or N, and

X_3 is N- R'' , wherein R'' is hydrogen, or C_{1-4} alkyl.

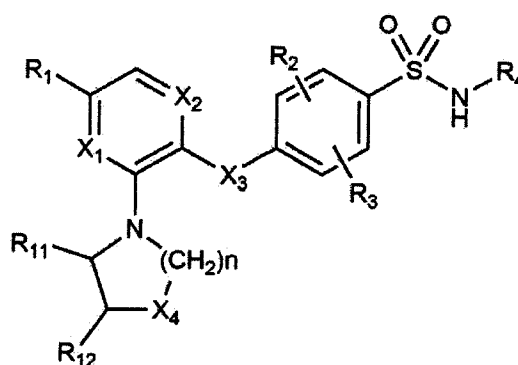
[Claim 2]

The compound or pharmaceutically acceptable salt thereof according to claim 1, wherein

the compound represented by Chemical Formula 1 is represented by

5 Chemical Formula 1' below:

[Chemical Formula 1']



wherein,

10 R₁ is hydrogen, C₁₋₄ alkyl, C₁₋₄ alkoxy, C₁₋₄ haloalkyl, C₁₋₄ haloalkoxy, halogen, or cyano,

R₂ and R₃ are each independently hydrogen, or halogen,

R₄ is C₅₋₁₀ heteroaryl containing one or two elements each independently selected from the group consisting of N, S and O,

15 R₁₁ is hydrogen, or C₁₋₄ alkyl,

R₁₂ is hydrogen, C₁₋₄ alkyl, C₁₋₄ alkoxy, halogen, amino, NH(C₁₋₄ alkyl), N(C₁₋₄ alkyl)₂, NHCO(C₁₋₄ alkyl), or pyrrolidinyl,

X₁ is C-R', or N, wherein R' is hydrogen, or halogen,

X₂ is CH, or N, and

20 X₃ is N-R'', wherein R'' is hydrogen, or C₁₋₄ alkyl,

X₄ is a bond, NH, N(C₁₋₄ alkyl), or O(oxygen), and

n is an integer of 1 to 4.

[Claim 3]

25 The compound or pharmaceutically acceptable salt thereof according to claim 1 or 2, wherein

R₁ is hydrogen, methyl, methoxy, trifluoromethyl, difluoromethoxy, trifluoromethoxy, fluoro, chloro, or cyano.

[Claim 4]

5 The compound or pharmaceutically acceptable salt thereof according to claim 1 or 2, wherein

R₂ and R₃ are each independently hydrogen, fluoro, or chloro.

[Claim 5]

10 The compound or pharmaceutically acceptable salt thereof according to claim 1 or 2, wherein

R₄ is thiazolyl, isoxazolyl, oxazolyl, pyrazinyl, pyrazolyl, pyridinyl, pyrimidinyl, or thiadiazolyl, and

the R₄ is unsubstituted or substituted with C₁₋₄ alkyl, or halogen.

15

[Claim 6]

The compound or pharmaceutically acceptable salt thereof according to claim 1, wherein

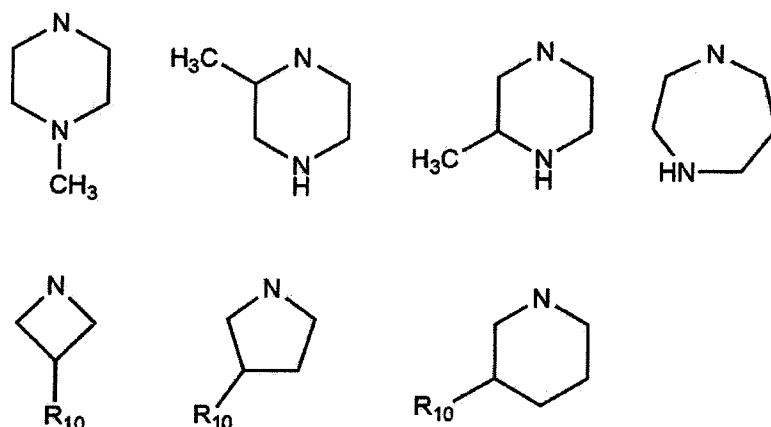
20 R₅ and R₆ together form C₃₋₅ alkylene, (C₂₋₄ alkylene)-N(R₉)-(C₂₋₄ alkylene), or (C₂₋₄ alkylene)-O-(C₂₋₄ alkylene), and

the C₃₋₅ alkylene or C₂₋₄ alkylene is each independently unsubstituted or substituted with methyl, methoxy, fluoro, amino, NHCH₃, N(CH₃)₂, N(CH₂CH₃)₂, NHCOCH₃, or pyrrolidinyl.

25 [Claim 7]

The compound or pharmaceutically acceptable salt thereof according to claim 1, wherein

R₅, R₆, and R₅ and R₆ together with the nitrogen to which they are attached form any one selected from the group consisting of the following:



[Claim 8]

The compound or pharmaceutically acceptable salt thereof according to claim 1, wherein

R₅ is -CH₂CH₂-NH-CH₃, -CH₂CH₂CH₂-NH-CH₃, or -CH₂CH₂-N(CH₃)₂,

and

R₆ is hydrogen, or methyl.

[Claim 9]

The compound or pharmaceutically acceptable salt thereof according to claim 1 or 2, wherein

X₁ is CH, CF, or N, X₂ is CH, or N, provided that both X₁ and X₂ are not N.

[Claim 10]

The compound or pharmaceutically acceptable salt thereof according to claim 1 or 2, wherein

X₃ is NH.

[Claim 11]

The compound or pharmaceutically acceptable salt thereof according to claim 1, wherein

the compound is any one selected from the group consisting of:

1) 5-chloro-2-fluoro-4-((4-fluoro-2-(3-(methylamino)pyrrolidin-1-

- yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 2) 5-chloro-4-((4-chloro-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 3) (R)-5-chloro-4-((4-chloro-2-(2-methylpiperazin-1-yl)phenyl)amino)-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 5 4) (R)-5-chloro-4-((4-chloro-2-(3-(methylamino)piperidin-1-yl)phenyl)amino)-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 5) (R)-N-(1-(5-chloro-2-((2-chloro-5-fluoro-4-(N-(thiazol-4-yl)sulfamoyl)phenyl)amino)phenyl)pyrrolidin-3-yl)acetamide,
- 10 6) 5-chloro-4-((4-chloro-2-(3-(diethylamino)pyrrolidin-1-yl)phenyl)amino)-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 7) 4-((2-([1,3'-bipyrrolidin]-1'-yl)-4-chlorophenyl)amino)-5-chloro-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 8) 5-chloro-2-fluoro-4-((4-methyl-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 15 9) (S)-5-chloro-4-((4-chloro-2-(3-methylpiperazin-1-yl)phenyl)amino)-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 10) 4-((4-fluoro-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 20 11) 3-chloro-4-((4-fluoro-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 12) 3,5-difluoro-4-((4-fluoro-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 13) 2-fluoro-4-((4-fluoro-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 25 14) 4-((2-(3-(methylamino)pyrrolidin-1-yl)-4-(trifluoromethoxy)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 15) 3,5-difluoro-4-((2-(3-(methylamino)pyrrolidin-1-yl)-4-(trifluoromethoxy)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 30 16) 2-fluoro-4-((2-(3-(methylamino)pyrrolidin-1-yl)-4-(trifluoromethoxy)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 17) 5-chloro-2-fluoro-4-((2-(3-(methylamino)pyrrolidin-1-yl)-4-

- (trifluoromethoxy)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 18) 5-chloro-4-((5-chloro-3-(3-(methylamino)pyrrolidin-1-yl)pyridin-2-yl)amino)-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 19) 5-chloro-4-((6-chloro-2-(3-(methylamino)pyrrolidin-1-yl)pyridin-3-yl)amino)-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 20) 5-chloro-2-fluoro-4-((2-(3-(methylamino)pyrrolidin-1-yl)-4-(trifluoromethyl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 21) 5-chloro-4-((4-(difluoromethoxy)-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 22) (R)-4-((4-fluoro-2-(3-(methylamino)piperidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 23) (R)-2-fluoro-4-((4-fluoro-2-(3-(methylamino)piperidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 24) (R)-3-chloro-4-((4-fluoro-2-(3-(methylamino)piperidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 25) (R)-3,5-difluoro-4-((4-fluoro-2-(3-(methylamino)piperidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 26) (R)-5-chloro-2-fluoro-4-((4-fluoro-2-(3-(methylamino)piperidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 27) (R)-4-((4-fluoro-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 28) (R)-2-fluoro-4-((4-fluoro-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 29) (R)-3-chloro-4-((4-fluoro-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 30) (R)-3,5-difluoro-4-((4-fluoro-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 31) (R)-5-chloro-2-fluoro-4-((4-fluoro-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 32) 5-chloro-2-fluoro-4-((4-fluoro-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 33) 4-((2-(3-aminopyrrolidin-1-yl)-4-fluorophenyl)amino)-2-fluoro-N-

- (thiazol-4-yl)benzenesulfonamide,
- 34) 4-((2-(3-aminopyrrolidin-1-yl)-4-fluorophenyl)amino)-3-chloro-N-(thiazol-4-yl)benzenesulfonamide,
- 35) 4-((2-(3-aminopyrrolidin-1-yl)-4-fluorophenyl)amino)-5-chloro-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 36) 4-((2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 37) 2-fluoro-4-((2-(3-(methylamino)pyrrolidin-1-yl)-4-(trifluoromethyl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 38) 3-chloro-4-((2-(3-(methylamino)pyrrolidin-1-yl)-4-(trifluoromethyl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 39) 4-((4-(difluoromethoxy)-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 40) 3-chloro-4-((4-(difluoromethoxy)-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 41) (R)-4-((4-fluoro-2-(3-fluoropyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 42) (R)-2-fluoro-4-((4-fluoro-2-(3-fluoropyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 43) (R)-3-chloro-4-((4-fluoro-2-(3-fluoropyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 44) (R)-3,5-difluoro-4-((4-fluoro-2-(3-fluoropyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 45) (R)-5-chloro-2-fluoro-4-((4-fluoro-2-(3-fluoropyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 46) 2-fluoro-4-((3-fluoro-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 47) 3-chloro-4-((3-fluoro-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 48) 5-chloro-2-fluoro-4-((3-fluoro-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 49) 2-fluoro-4-((2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-

- (thiazol-4-yl)benzenesulfonamide,
- 50) 3-chloro-4-((2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 51) 3,5-difluoro-4-((2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 52) 5-chloro-2-fluoro-4-((2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 53) 2-fluoro-4-((4-methoxy-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 54) 3-chloro-4-((4-methoxy-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 55) 5-chloro-2-fluoro-4-((4-methoxy-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 56) (R)-4-((4-methoxy-2-(3-(methylamino)piperidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 57) (R)-2-fluoro-4-((4-methoxy-2-(3-(methylamino)piperidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 58) (R)-3-chloro-4-((4-methoxy-2-(3-(methylamino)piperidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 59) (R)-3,5-difluoro-4-((4-methoxy-2-(3-(methylamino)piperidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 60) (R)-5-chloro-2-fluoro-4-((4-methoxy-2-(3-(methylamino)piperidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 61) 3-chloro-4-((4-fluoro-2-(4-methylpiperazin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 62) 5-chloro-2-fluoro-4-((4-fluoro-2-(4-methylpiperazin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 63) (S)-5-chloro-4-((2-(3-(dimethylamino)pyrrolidin-1-yl)-4-fluorophenyl)amino)-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 64) (S)-5-chloro-4-((2-(3-(dimethylamino)pyrrolidin-1-yl)-4-(trifluoromethyl)phenyl)amino)-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 65) 5-chloro-2-fluoro-4-((2-(4-methylpiperazin-1-yl)-4-

- (trifluoromethyl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 66) 5-chloro-4-((4-(difluoromethoxy)-2-(4-methylpiperazin-1-yl)phenyl)amino)-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 67) 5-chloro-2-fluoro-4-((2-(4-methylpiperazin-1-yl)-4-(trifluoromethoxy)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 68) (S)-3-chloro-4-((2-(3-(dimethylamino)pyrrolidin-1-yl)-4-(trifluoromethyl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 69) (S)-2-fluoro-4-((4-fluoro-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 70) (S)-5-chloro-2-fluoro-4-((4-fluoro-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 71) (S)-5-chloro-4-((2-(3-(dimethylamino)pyrrolidin-1-yl)-4-methoxyphenyl)amino)-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 72) (S)-5-chloro-4-((4-(difluoromethoxy)-2-(3-(dimethylamino)pyrrolidin-1-yl)phenyl)amino)-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 73) (R)-5-chloro-4-((2-(3-(dimethylamino)pyrrolidin-1-yl)-4-fluorophenyl)amino)-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 74) (R)-5-chloro-4-((2-(3-(dimethylamino)pyrrolidin-1-yl)-4-(trifluoromethyl)phenyl)amino)-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 75) (R)-5-chloro-4-((4-(difluoromethoxy)-2-(3-(dimethylamino)pyrrolidin-1-yl)phenyl)amino)-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 76) 4-((2-(1,4-diazepan-1-yl)-4-fluorophenyl)amino)-5-chloro-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 77) 5-chloro-4-((4-cyano-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 78) (R)-N-(1-(2-((2-chloro-5-fluoro-4-(N-(thiazol-4-yl)sulfamoyl)phenyl)amino)-5-(trifluoromethyl)phenyl)pyrrolidin-3-yl)acetamide,
- 79) (R)-N-(1-(2-((2-chloro-4-(N-(thiazol-4-yl)sulfamoyl)phenyl)amino)-5-(trifluoromethyl)phenyl)pyrrolidin-3-yl)acetamide,
- 80) (S)-3-chloro-4-((2-(3-(methylamino)pyrrolidin-1-yl)-4-

- (trifluoromethyl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 81) (S)-5-chloro-2-fluoro-4-((2-(3-(methylamino)pyrrolidin-1-yl)-4-(trifluoromethyl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 82) 5-chloro-2-fluoro-4-((4-fluoro-2-(3-(methylamino)azetidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 83) 4-((2-(3-aminoazetidin-1-yl)-4-fluorophenyl)amino)-5-chloro-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 84) 5-chloro-4-((2-(3-(dimethylamino)azetidin-1-yl)-4-fluorophenyl)amino)-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 85) N-(1-(2-((2-chloro-5-fluoro-4-(N-(thiazol-4-yl)sulfamoyl)phenyl)amino)-5-fluorophenyl)azetidin-3-yl)acetamide,
- 86) 5-chloro-2-fluoro-4-((4-fluoro-2-(3-methoxypyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 87) 5-chloro-2-fluoro-4-((2-(3-methoxypyrrolidin-1-yl)-4-(trifluoromethyl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 88) (R)-N-(1-(2-((2-chloro-5-fluoro-4-(N-(thiazol-4-yl)sulfamoyl)phenyl)amino)-5-fluorophenyl)pyrrolidin-3-yl)acetamide,
- 89) 3-chloro-4-((4-fluoro-2-(3-methoxypyrrolidin-1-yl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 90) 3-chloro-4-((2-(3-methoxypyrrolidin-1-yl)-4-(trifluoromethyl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 91) (R)-N-(1-(2-((2-chloro-4-(N-(thiazol-4-yl)sulfamoyl)phenyl)amino)-5-fluorophenyl)pyrrolidin-3-yl)acetamide,
- 92) 5-chloro-2-fluoro-4-((4-fluoro-2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 93) 3-chloro-4-((2-((2-(dimethylamino)ethyl)(methyl)amino)-4-fluorophenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 94) 5-chloro-4-((2-((2-(dimethylamino)ethyl)(methyl)amino)-4-fluorophenyl)amino)-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 95) 5-chloro-2-fluoro-4-((2-(methyl(2-(methylamino)ethyl)amino)-4-(trifluoromethyl)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 96) 5-chloro-2-fluoro-4-((4-fluoro-2-(methyl(2-

- (methylamino)ethyl)amino)phenyl)amino)-N-(5-fluoropyrimidin-2-yl)benzenesulfonamide,
- 97) 5-chloro-2-fluoro-N-(5-fluoropyrimidin-2-yl)-4-((2-(methyl(2-(methylamino)ethyl)amino)-4-(trifluoromethyl)phenyl)amino)benzenesulfonamide,
- 5 98) 5-chloro-4-((4-(difluoromethoxy)-2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 99) 5-chloro-4-((4-cyano-2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide,
- 10 100) 5-chloro-4-((4-cyano-2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)-2-fluoro-N-(5-fluoropyrimidin-2-yl)benzenesulfonamide,
- 15 101) 5-chloro-4-((4-(difluoromethoxy)-2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)-2-fluoro-N-(5-fluoropyrimidin-2-yl)benzenesulfonamide,
- 102) 5-chloro-2-fluoro-N-(5-fluoropyrimidin-2-yl)-4-((2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)benzenesulfonamide,
- 20 103) 5-chloro-2-fluoro-4-((4-fluoro-2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)-N-(5-fluoropyridin-2-yl)benzenesulfonamide,
- 104) 5-chloro-2-fluoro-4-((4-fluoro-2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)-N-(pyridin-2-yl)benzenesulfonamide,
- 25 105) 5-chloro-2-fluoro-4-((4-fluoro-2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)-N-(thiazol-2-yl)benzenesulfonamide,
- 106) 5-chloro-4-((4-cyano-2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)-2-fluoro-N-(5-fluoropyridin-2-yl)benzenesulfonamide,
- 30 107) 5-chloro-4-((4-cyano-2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)-2-fluoro-N-(pyridin-2-yl)benzenesulfonamide,

- 108) 5-chloro-4-((4-cyano-2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)-2-fluoro-N-(thiazol-2-yl)benzenesulfonamide,
- 109) 5-chloro-2-fluoro-N-(5-fluoropyridin-2-yl)-4-((2-(methyl(2-(methylamino)ethyl)amino)-4-(trifluoromethyl)phenyl)amino)benzenesulfonamide,
- 110) 5-chloro-2-fluoro-4-((2-(methyl(2-(methylamino)ethyl)amino)-4-(trifluoromethyl)phenyl)amino)-N-(pyridin-2-yl)benzenesulfonamide,
- 111) 5-chloro-2-fluoro-4-((2-(methyl(2-(methylamino)ethyl)amino)-4-(trifluoromethyl)phenyl)amino)-N-(thiazol-2-yl)benzenesulfonamide,
- 112) 5-chloro-2-fluoro-N-(5-fluoropyridin-2-yl)-4-((2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)benzenesulfonamide,
- 113) 5-chloro-2-fluoro-4-((2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)-N-(pyridin-2-yl)benzenesulfonamide,
- 114) 5-chloro-2-fluoro-4-((2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)-N-(thiazol-2-yl)benzenesulfonamide,
- 115) 5-chloro-4-((4-(difluoromethoxy)-2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)-2-fluoro-N-(5-fluoropyridin-2-yl)benzenesulfonamide,
- 116) 5-chloro-4-((4-(difluoromethoxy)-2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)-2-fluoro-N-(thiazol-2-yl)benzenesulfonamide,
- 117) 5-chloro-4-((4-(difluoromethoxy)-2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)-2-fluoro-N-(pyridin-2-yl)benzenesulfonamide,
- 118) 5-chloro-2-fluoro-N-(5-fluoropyridin-2-yl)-4-((4-methoxy-2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)benzenesulfonamide,
- 119) 5-chloro-2-fluoro-4-((4-methoxy-2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)-N-(thiazol-2-yl)benzenesulfonamide,
- 120) 5-chloro-2-fluoro-4-((4-methoxy-2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
- 121) 5-chloro-2-fluoro-4-((2-(methyl(2-

- (methylamino)ethyl)amino)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
 122)5-chloro-2-fluoro-N-(5-fluoropyrimidin-2-yl)-4-((4-methoxy-2-
 (methyl(2-(methylamino)ethyl)amino)phenyl)amino)benzenesulfonamide,
 123)5-chloro-4-((4-chloro-2-(methyl(2-
 5 (methylamino)ethyl)amino)phenyl)amino)-2-fluoro-N-(thiazol-4-
 yl)benzenesulfonamide,
 124)5-chloro-4-((4-chloro-2-(methyl(2-
 (methylamino)ethyl)amino)phenyl)amino)-2-fluoro-N-(5-fluoropyrimidin-2-
 yl)benzenesulfonamide,
 10 125)5-chloro-4-((4-chloro-2-(methyl(2-
 (methylamino)ethyl)amino)phenyl)amino)-2-fluoro-N-(5-fluoropyridin-2-
 yl)benzenesulfonamide,
 126)5-chloro-4-((4-chloro-2-(methyl(2-
 (methylamino)ethyl)amino)phenyl)amino)-2-fluoro-N-(thiazol-2-
 15 yl)benzenesulfonamide,
 127)5-chloro-N-(5-chlorothiazol-2-yl)-2-fluoro-4-((4-fluoro-2-
 (methyl(2-(methylamino)ethyl)amino)phenyl)amino)benzenesulfonamide,
 128)5-chloro-2-fluoro-4-((4-fluoro-2-(methyl(2-
 (methylamino)ethyl)amino)phenyl)amino)-N-(5-fluorothiazol-2-
 20 yl)benzenesulfonamide,
 129)5-chloro-N-(5-chlorothiazol-2-yl)-2-fluoro-4-((2-(methyl(2-
 (methylamino)ethyl)amino)phenyl)amino)benzenesulfonamide,
 130)5-chloro-N-(5-chlorothiazol-2-yl)-2-fluoro-4-((4-methoxy-2-
 (methyl(2-(methylamino)ethyl)amino)phenyl)amino)benzenesulfonamide,
 25 131)5-chloro-2-fluoro-N-(5-fluorothiazol-2-yl)-4-((2-(methyl(2-
 (methylamino)ethyl)amino)phenyl)amino)benzenesulfonamide,
 132)5-chloro-2-fluoro-N-(5-fluorothiazol-2-yl)-4-((4-methoxy-2-
 (methyl(2-(methylamino)ethyl)amino)phenyl)amino)benzenesulfonamide,
 133)5-chloro-2-fluoro-4-((4-fluoro-2-(methyl(2-
 30 (methylamino)ethyl)amino)phenyl)amino)-N-(5-methylisoxazol-3-
 yl)benzenesulfonamide,
 134)5-chloro-2-fluoro-4-((2-(methyl(2-

- (methylamino)ethyl)amino)phenyl)amino)-N-(5-methylisoxazol-3-yl)benzenesulfonamide,
- 135)5-chloro-2-fluoro-4-((4-fluoro-2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)-N-(5-methyl-1H-pyrazol-3-yl)benzenesulfonamide,
- 5 136)5-chloro-2-fluoro-4-((2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)-N-(5-methyl-1H-pyrazol-3-yl)benzenesulfonamide,
- 137)5-chloro-4-((2-((2-(dimethylamino)ethyl)(methyl)amino)-4-fluorophenyl)amino)-2-fluoro-N-(5-fluoropyridin-2-yl)benzenesulfonamide,
- 10 138)5-chloro-4-((2-((2-(dimethylamino)ethyl)(methyl)amino)-4-fluorophenyl)amino)-2-fluoro-N-(thiazol-2-yl)benzenesulfonamide,
- 139)5-chloro-N-(5-chlorothiazol-2-yl)-4-((2-((2-(dimethylamino)ethyl)(methyl)amino)-4-fluorophenyl)amino)-2-fluorobenzenesulfonamide,
- 15 140)5-chloro-N-(5-chlorothiazol-2-yl)-4-((2-((2-(dimethylamino)ethyl)(methyl)amino)phenyl)amino)-2-fluorobenzenesulfonamide,
- 141)5-chloro-2-fluoro-4-((4-fluoro-2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)-N-(5-methylthiazol-2-yl)benzenesulfonamide,
- 20 142)5-chloro-2-fluoro-4-((4-fluoro-2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)-N-(oxazol-2-yl)benzenesulfonamide,
- 143)N-(5-(tert-butyl)isoxazol-3-yl)-5-chloro-2-fluoro-4-((4-fluoro-2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)benzenesulfonamide,
- 25 144)N-(5-(tert-butyl)isoxazol-3-yl)-5-chloro-2-fluoro-4-((2-(methyl(2-(methylamino)ethyl)amino)phenyl)amino)benzenesulfonamide,
- 145)5-chloro-2-fluoro-4-((4-fluoro-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(1,2,4-thiadiazol-5-yl)benzenesulfonamide,
- 30 146)5-chloro-2-fluoro-4-((4-fluoro-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(1-methyl-1H-pyrazol-3-yl)benzenesulfonamide,
- 147)5-chloro-2-fluoro-4-((4-fluoro-2-(3-(methylamino)pyrrolidin-1-

- yl)phenyl)amino)-N-(pyrimidin-4-yl)benzenesulfonamide,
 148)5-chloro-2-fluoro-4-((4-fluoro-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(5-fluoropyrimidin-2-yl)benzenesulfonamide,
 149)5-chloro-2-fluoro-4-((4-fluoro-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(pyrazin-2-yl)benzenesulfonamide,
 150)5-chloro-2-fluoro-4-((4-fluoro-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(5-methylisoxazol-3-yl)benzenesulfonamide,
 151)5-chloro-2-fluoro-4-((4-fluoro-2-(3-(methylamino)pyrrolidin-1-yl)phenyl)amino)-N-(pyrimidin-5-yl)benzenesulfonamide,
 152)5-chloro-2-fluoro-4-((4-fluoro-2-((2-(methylamino)ethyl)amino)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide,
 153)5-chloro-4-((2-((2-(dimethylamino)ethyl)amino)-4-fluorophenyl)amino)-2-fluoro-N-(thiazol-4-yl)benzenesulfonamide, and
 154)5-chloro-2-fluoro-4-((4-fluoro-2-(methyl(3-(methylamino)propyl)amino)phenyl)amino)-N-(thiazol-4-yl)benzenesulfonamide.

[Claim 12]

A pharmaceutical composition for preventing or treating sodium channel blocker-related diseases comprising the compound or pharmaceutically acceptable salt thereof according to any one of claims 1 to 11 as an active ingredient.

[Claim 13]

The pharmaceutical composition according to claim 12, wherein the sodium channel blocker-related diseases are acute pain, chronic pain, neuropathic pain, postoperative pain, migraine, arthralgia, neuropathy, nerve damage, diabetic neuropathy, neuropathic disease, epilepsy, arrhythmia, myotonia, ataxia, multiple sclerosis, irritable bowel syndrome, urinary incontinence, visceral pain, depression, erythralgia, or PEPD (paroxysmal extreme pain disorder).

[Claim 14]

Method of preventing or treating sodium channel blocker-related diseases in a subject in need thereof, comprising administering an effective amount of a compound or pharmaceutically acceptable salt thereof according to any one of claims 1 to 11.

[Claim 15]

The method according to claim 14, wherein the sodium channel blocker-related diseases are acute pain, chronic pain, neuropathic pain, postoperative pain, migraine, arthralgia, neuropathy, nerve damage, diabetic neuropathy, neuropathic disease, epilepsy, arrhythmia, myotonia, ataxia, multiple sclerosis, irritable bowel syndrome, urinary incontinence, visceral pain, depression, erythralgia, or PEPD (paroxysmal extreme pain disorder).