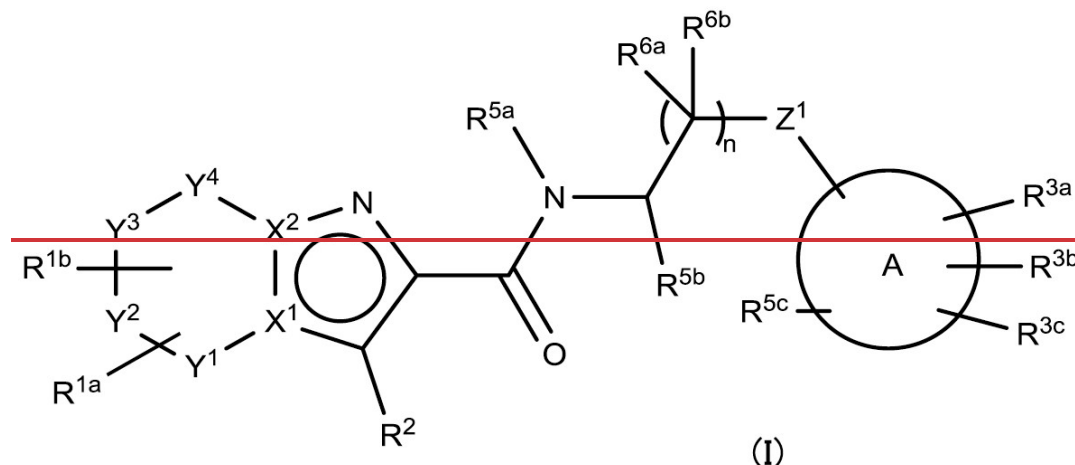


# CLAIMS

[Claim 1]

~~—A heteroaromatic amide derivative represented by the general formula (I) or salt thereof:~~

[Chem 1]



[wherein,—

~~X<sup>1</sup>-X<sup>2</sup> is N-C or C-N,—~~

~~—Y<sup>1</sup>, Y<sup>2</sup>, Y<sup>3</sup> and Y<sup>4</sup> are, independently each other, a single bond, —CH<sub>2</sub>—, —CH<sub>2</sub>CH<sub>2</sub>—, —CR<sup>4a</sup>R<sup>4b</sup>—, —CR<sup>4a</sup>H—, —CR<sup>4b</sup>H—, —CH<sub>2</sub>CR<sup>4a</sup>R<sup>4b</sup>—, —CH<sub>2</sub>CR<sup>4a</sup>H—, —NR<sup>4e</sup>—, —NH—, —S—, —SO<sub>2</sub>—, or —O—,~~

~~—Z<sup>1</sup> is a single bond, —CR<sup>7a</sup>R<sup>7b</sup>—, —O—, —S—, —NH—, —NR<sup>7a</sup>—, —NR<sup>7a</sup>CH<sub>2</sub>—, —CH<sub>2</sub>NR<sup>7a</sup>—, —CO—, or —SO<sub>2</sub>—,~~

~~—ring A is a 3- to 7-membered monocyclic aromatic ring, or a 8- to 12-membered bicyclic aromatic ring,—~~

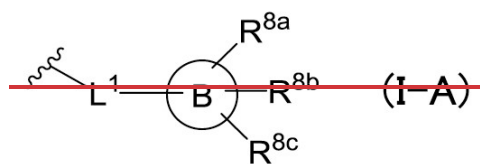
~~—R<sup>1a</sup> and R<sup>1b</sup> are, independently each other, a hydrogen atom, a halogen atom, a hydroxy group, a cyano group, a C<sub>1</sub>-C<sub>4</sub> alkyl group, a C<sub>1</sub>-C<sub>4</sub> haloalkyl group, a C<sub>1</sub>-C<sub>4</sub> alkoxy group, a C<sub>1</sub>-C<sub>4</sub> haloalkoxy group, a C<sub>3</sub>-C<sub>7</sub> cycloalkyl group, a C<sub>1</sub>-C<sub>4</sub> alkoxy-C<sub>1</sub>-C<sub>4</sub> alkyl group, or a C<sub>1</sub>-C<sub>4</sub>-haloalkoxy-C<sub>1</sub>-C<sub>4</sub> alkyl group,—~~

~~—R<sup>2</sup> is a hydrogen atom, a halogen atom, a hydroxy group, a cyano group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> alkyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> haloalkyl group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkenyl group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkynyl group, or an optionally substituted saturated, partially saturated or unsaturated 3- to 7-membered monocyclic ring,—~~

~~—R<sup>3a</sup>, R<sup>3b</sup> and R<sup>3c</sup> are, independently each other, a hydrogen atom, a halogen atom, a cyano group, a cyanomethyl group, a formyl group, a nitro group, a carboxamide group, a hydroxy group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> alkyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub>-haloalkyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> alkoxy group, an optionally substituted C<sub>1</sub>-C<sub>6</sub>—~~

haloalkoxy group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> alkoxy-C<sub>1</sub>-C<sub>4</sub> alkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> haloalkoxy-C<sub>1</sub>-C<sub>4</sub> alkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> alkoxy-C<sub>1</sub>-C<sub>4</sub> haloalkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> haloalkoxy-C<sub>1</sub>-C<sub>4</sub> haloalkyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> alkylcarbonyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> alkoxy carbonyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> alkylcarbonyloxy group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> haloalkylcarbonyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> haloalkoxy carbonyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> haloalkylcarbonyloxy group, an optionally substituted C<sub>3</sub>-C<sub>7</sub> cycloalkyl group, an optionally substituted heterocycloalkyl group, an optionally substituted C<sub>3</sub>-C<sub>7</sub> cycloalkyloxy group, an optionally substituted heterocycloalkyloxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkenyl group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkenyloxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkenyloxy-C<sub>1</sub>-C<sub>4</sub> alkyl group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkenyloxy-C<sub>1</sub>-C<sub>4</sub> haloalkyl group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkynyl group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkynyloxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkynyloxy-C<sub>1</sub>-C<sub>4</sub> alkyl group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkynyloxy-C<sub>1</sub>-C<sub>4</sub> haloalkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> alkoxy-C<sub>1</sub>-C<sub>4</sub> alkoxy group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> haloalkoxy-C<sub>1</sub>-C<sub>4</sub> alkoxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkenyloxy-C<sub>1</sub>-C<sub>4</sub> alkoxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkynyloxy-C<sub>1</sub>-C<sub>4</sub> alkoxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkenyloxy-C<sub>1</sub>-C<sub>4</sub> haloalkoxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkynyloxy-C<sub>1</sub>-C<sub>4</sub> haloalkoxy group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> alkylthio group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> haloalkylthio group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> alkylthio-C<sub>1</sub>-C<sub>4</sub> alkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> haloalkylthio-C<sub>1</sub>-C<sub>4</sub> alkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> alkylthio-C<sub>1</sub>-C<sub>4</sub> haloalkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> haloalkylthio-C<sub>1</sub>-C<sub>4</sub> haloalkyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> alkylsulfonyl group, (CH<sub>2</sub>)<sub>p</sub>NR<sup>a1</sup>R<sup>a2</sup> (R<sup>a1</sup> and R<sup>a2</sup> are, independently each other, a hydrogen atom, a C<sub>1</sub>-C<sub>4</sub> alkyl group, or a C<sub>1</sub>-C<sub>4</sub> haloalkyl group, and p is 0, 1, or 2.), or a group represented by the general formula (I-A)

[Chem 2]



{wherein,—

—— ring B is a saturated, partially saturated or unsaturated 3- to 7-membered monocyclic ring,—

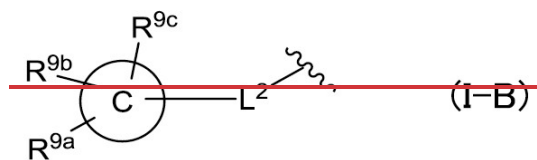
—— L¹ is a single bond, —CR<sup>a3</sup>R<sup>a4</sup>—, —O—, —NR<sup>a1</sup>—, —CR<sup>a3</sup>R<sup>a4</sup>O—, —OCR<sup>a3</sup>R<sup>a4</sup>—, —CH<sub>2</sub>CH<sub>2</sub>—,

CH=CH-, C≡C-, or -CH<sub>2</sub>OCH<sub>2</sub>- (R<sup>a3</sup> and R<sup>a4</sup> are, independently each other, a hydrogen atom, a C<sub>1</sub>-C<sub>4</sub>-alkyl group, or a C<sub>1</sub>-C<sub>4</sub>-haloalkyl group.);—

———R<sup>8a</sup>, R<sup>8b</sup> and R<sup>8c</sup> are, independently each other, a hydrogen atom, a halogen atom, a cyano group, a C<sub>1</sub>-C<sub>6</sub>-alkyl group, a C<sub>1</sub>-C<sub>6</sub>-haloalkyl group, a C<sub>1</sub>-C<sub>6</sub>-alkoxy group, a C<sub>1</sub>-C<sub>6</sub>-haloalkoxy group, a C<sub>3</sub>-C<sub>7</sub>-cycloalkyl group, a C<sub>3</sub>-C<sub>7</sub>-cycloalkyloxy group, a heterocycloalkyl group, a heterocycloalkyloxy group, a C<sub>2</sub>-C<sub>6</sub>-alkenyl group, or a C<sub>2</sub>-C<sub>6</sub>-alkynyl group.};—

———R<sup>4a</sup>, R<sup>4b</sup> and R<sup>4c</sup> are, independently each other, a halogen atom, a cyano group, a cyanomethyl group, a formyl group, a nitro group, a carboxamide group, a hydroxy group, an optionally substituted C<sub>1</sub>-C<sub>6</sub>-alkyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub>-haloalkyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub>-alkoxy group, an optionally substituted C<sub>1</sub>-C<sub>6</sub>-haloalkoxy group, an optionally substituted C<sub>1</sub>-C<sub>4</sub>-alkoxy-C<sub>1</sub>-C<sub>4</sub>-alkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub>-haloalkoxy-C<sub>1</sub>-C<sub>4</sub>-alkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub>-alkoxy-C<sub>1</sub>-C<sub>4</sub>-haloalkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub>-haloalkoxy-C<sub>1</sub>-C<sub>4</sub>-haloalkyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub>-alkylcarbonyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub>-alkoxycarbonyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub>-alkylcarbonyloxy group, an optionally substituted C<sub>1</sub>-C<sub>6</sub>-haloalkylcarbonyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub>-haloalkoxycarbonyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub>-haloalkylcarbonyloxy group, an optionally substituted C<sub>3</sub>-C<sub>7</sub>-cycloalkyl group, an optionally substituted heterocycloalkyl group, an optionally substituted C<sub>3</sub>-C<sub>7</sub>-cycloalkyloxy group, an optionally substituted heterocycloalkyloxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub>-alkenyl group, an optionally substituted C<sub>2</sub>-C<sub>6</sub>-alkenyloxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub>-alkenyloxy-C<sub>1</sub>-C<sub>4</sub>-alkyl group, an optionally substituted C<sub>2</sub>-C<sub>6</sub>-alkenyloxy-C<sub>1</sub>-C<sub>4</sub>-haloalkyl group, an optionally substituted C<sub>2</sub>-C<sub>6</sub>-alkynyl group, an optionally substituted C<sub>2</sub>-C<sub>6</sub>-alkynyloxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub>-alkynyloxy-C<sub>1</sub>-C<sub>4</sub>-alkyl group, an optionally substituted C<sub>2</sub>-C<sub>6</sub>-alkynyloxy-C<sub>1</sub>-C<sub>4</sub>-haloalkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub>-alkoxy-C<sub>1</sub>-C<sub>4</sub>-alkoxy group, an optionally substituted C<sub>1</sub>-C<sub>4</sub>-haloalkoxy-C<sub>1</sub>-C<sub>4</sub>-alkoxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub>-alkenyloxy-C<sub>1</sub>-C<sub>4</sub>-alkoxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub>-alkynyloxy-C<sub>1</sub>-C<sub>4</sub>-alkoxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub>-alkenyloxy-C<sub>1</sub>-C<sub>4</sub>-haloalkoxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub>-alkynyloxy-C<sub>1</sub>-C<sub>4</sub>-haloalkoxy group, an optionally substituted C<sub>1</sub>-C<sub>6</sub>-alkylthio group, an optionally substituted C<sub>1</sub>-C<sub>6</sub>-haloalkylthio group, an optionally substituted C<sub>1</sub>-C<sub>4</sub>-alkylthio-C<sub>1</sub>-C<sub>4</sub>-alkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub>-haloalkylthio-C<sub>1</sub>-C<sub>4</sub>-alkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub>-alkylthio-C<sub>1</sub>-C<sub>4</sub>-haloalkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub>-haloalkylthio-C<sub>1</sub>-C<sub>4</sub>-haloalkyl group, a pentafluorosulfanyl group, -(CH<sub>2</sub>)<sub>q</sub>NR<sup>b1</sup>R<sup>b2</sup> (R<sup>b1</sup> and R<sup>b2</sup> are, independently each other, a hydrogen atom, a C<sub>1</sub>-C<sub>4</sub>-alkyl group, or a C<sub>1</sub>-C<sub>4</sub>-haloalkyl group, and q is 0, 1, 2, or 3.), or a group represented by the general formula (I-B)

[Chem 3]



{wherein,—

—— ring C is a saturated, partially saturated or unsaturated 3 to 7 membered monocyclic ring, or a saturated, partially saturated or unsaturated 7 to 12 membered bicyclic ring,—

—— L<sup>2</sup> is a single bond, —CH=CH—, —C≡C—,

—(CR<sup>10a</sup>R<sup>10b</sup>)<sub>r1</sub>(CR<sup>10e</sup>R<sup>10d</sup>)<sub>r2</sub>(CR<sup>10e</sup>R<sup>10f</sup>)<sub>r3</sub>(CR<sup>10g</sup>R<sup>10h</sup>)<sub>r4</sub>—,

—(CR<sup>10a</sup>R<sup>10b</sup>)<sub>r1</sub>(CR<sup>10e</sup>R<sup>10d</sup>)<sub>r2</sub>O(CR<sup>10e</sup>R<sup>10f</sup>)<sub>r3</sub>(CR<sup>10g</sup>R<sup>10h</sup>)<sub>r4</sub>—,

—(CR<sup>10a</sup>R<sup>10b</sup>)<sub>r1</sub>(CR<sup>10e</sup>R<sup>10d</sup>)<sub>r2</sub>NR<sup>e</sup>(CR<sup>10e</sup>R<sup>10f</sup>)<sub>r3</sub>(CR<sup>10g</sup>R<sup>10h</sup>)<sub>r4</sub>—,

—(CR<sup>10a</sup>R<sup>10b</sup>)<sub>r1</sub>(CR<sup>10e</sup>R<sup>10d</sup>)<sub>r2</sub>CO(CR<sup>10e</sup>R<sup>10f</sup>)<sub>r3</sub>(CR<sup>10g</sup>R<sup>10h</sup>)<sub>r4</sub>—,

—(CR<sup>10a</sup>R<sup>10b</sup>)<sub>r1</sub>(CR<sup>10e</sup>R<sup>10d</sup>)<sub>r2</sub>CONR<sup>e</sup>(CR<sup>10e</sup>R<sup>10f</sup>)<sub>r3</sub>(CR<sup>10g</sup>R<sup>10h</sup>)<sub>r4</sub>—,

—(CR<sup>10a</sup>R<sup>10b</sup>)<sub>r1</sub>(CR<sup>10e</sup>R<sup>10d</sup>)<sub>r2</sub>NR<sup>e</sup>CO(CR<sup>10e</sup>R<sup>10f</sup>)<sub>r3</sub>(CR<sup>10g</sup>R<sup>10h</sup>)<sub>r4</sub>—,

—(CR<sup>10a</sup>R<sup>10b</sup>)<sub>r1</sub>(CR<sup>10e</sup>R<sup>10d</sup>)<sub>r2</sub>S(CR<sup>10e</sup>R<sup>10f</sup>)<sub>r3</sub>(CR<sup>10g</sup>R<sup>10h</sup>)<sub>r4</sub>—,

—(CR<sup>10a</sup>R<sup>10b</sup>)<sub>r1</sub>(CR<sup>10e</sup>R<sup>10d</sup>)<sub>r2</sub>SO(CR<sup>10e</sup>R<sup>10f</sup>)<sub>r3</sub>(CR<sup>10g</sup>R<sup>10h</sup>)<sub>r4</sub>—,

—(CR<sup>10a</sup>R<sup>10b</sup>)<sub>r1</sub>(CR<sup>10e</sup>R<sup>10d</sup>)<sub>r2</sub>SO<sub>2</sub>(CR<sup>10e</sup>R<sup>10f</sup>)<sub>r3</sub>(CR<sup>10g</sup>R<sup>10h</sup>)<sub>r4</sub>—,

—(CR<sup>10a</sup>R<sup>10b</sup>)<sub>r1</sub>(CR<sup>10e</sup>R<sup>10d</sup>)<sub>r2</sub>SO<sub>2</sub>NR<sup>e</sup>(CR<sup>10e</sup>R<sup>10f</sup>)<sub>r3</sub>(CR<sup>10g</sup>R<sup>10h</sup>)<sub>r4</sub>—, or—

—(CR<sup>10a</sup>R<sup>10b</sup>)<sub>r1</sub>(CR<sup>10e</sup>R<sup>10d</sup>)<sub>r2</sub>NR<sup>e</sup>SO<sub>2</sub>(CR<sup>10e</sup>R<sup>10f</sup>)<sub>r3</sub>(CR<sup>10g</sup>R<sup>10h</sup>)<sub>r4</sub>—

—(R<sup>e</sup> is a hydrogen atom, a C<sub>1</sub>-C<sub>4</sub> alkyl group, or a C<sub>1</sub>-C<sub>4</sub> haloalkyl group,—

—— R<sup>10a</sup>, R<sup>10b</sup>, R<sup>10e</sup>, R<sup>10d</sup>, R<sup>10e</sup>, R<sup>10f</sup>, R<sup>10g</sup>, and R<sup>10h</sup> are, independently each other, a hydrogen atom, a halogen atom, a C<sub>1</sub>-C<sub>4</sub> alkyl group, or a C<sub>3</sub>-C<sub>7</sub> cycloalkyl group,—

—— R<sup>10a</sup> and R<sup>10b</sup> optionally form, together with the carbon atom bonded thereto, a 3 to 7 membered monocyclic ring,—

—— R<sup>10e</sup> and R<sup>10d</sup> optionally form, together with the carbon atom bonded thereto, a 3 to 7 membered monocyclic ring,—

—— R<sup>10e</sup> and R<sup>10f</sup> optionally form, together with the carbon atom bonded thereto, a 3 to 7 membered monocyclic ring,—

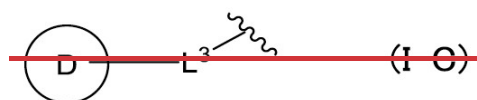
—— R<sup>10g</sup> and R<sup>10h</sup> optionally form, together with the carbon atom bonded thereto, a 3 to 7 membered monocyclic ring,—

—— r<sub>1</sub>, r<sub>2</sub>, r<sub>3</sub> and r<sub>4</sub> are, independently each other, 0, 1, or 2,—

—— R<sup>9a</sup>, R<sup>9b</sup> and R<sup>9c</sup> are, independently each other, a hydrogen atom, a halogen atom, a hydroxy group, a cyano group, a formyl group, a C<sub>1</sub>-C<sub>6</sub> alkyl group, a C<sub>1</sub>-C<sub>6</sub> haloalkyl group, a—

C<sub>1</sub>-C<sub>6</sub>-alkoxy group, a C<sub>1</sub>-C<sub>6</sub>-haloalkoxy group, a C<sub>1</sub>-C<sub>4</sub>-alkoxy-C<sub>1</sub>-C<sub>4</sub>-alkyl group, a C<sub>1</sub>-C<sub>4</sub>-haloalkoxy-C<sub>1</sub>-C<sub>4</sub>-alkyl group, a C<sub>1</sub>-C<sub>4</sub>-alkoxy-C<sub>1</sub>-C<sub>4</sub>-haloalkyl group, a C<sub>1</sub>-C<sub>6</sub>-alkylcarbonyl group, a C<sub>1</sub>-C<sub>6</sub>-alkoxycarbonyl group, a C<sub>1</sub>-C<sub>6</sub>-haloalkylcarbonyl group, a C<sub>3</sub>-C<sub>7</sub>-cycloalkyl group, a heterocycloalkyl group, a C<sub>3</sub>-C<sub>7</sub>-cycloalkyloxy group, a heterocycloalkyloxy group, a C<sub>2</sub>-C<sub>6</sub>-alkenyl group,  $-(CH_2)_sNR^{d1}R^{d2}$  ( $R^{d1}$  and  $R^{d2}$  are, independently each other, a hydrogen atom, a C<sub>1</sub>-C<sub>4</sub>-alkyl group, or a C<sub>1</sub>-C<sub>4</sub>-haloalkyl group, and s is 0, 1, or 2.), or the general formula (I-C)

[Chem 4]



{wherein,—

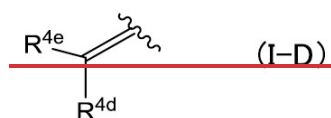
—— ring D is a 3 to 7 membered monocyclic ring optionally substituted by a halogen atom, a hydroxy group, a C<sub>1</sub>-C<sub>4</sub>-alkyl group, a C<sub>1</sub>-C<sub>4</sub>-haloalkyl group, a C<sub>1</sub>-C<sub>4</sub>-alkoxy group, or a C<sub>1</sub>-C<sub>4</sub>-haloalkoxy group,—

——  $L^3$  is a single bond, or an oxygen atom.}.} or—

——  $R^{4a}$  and  $R^{4b}$  optionally form, together with the carbon atom bonded thereto, a 3 to 7 membered monocyclic ring, or—

——  $R^{4a}$  and  $R^{4b}$  optionally together form the general formula (I-D):

[Chem 5]



— ( $R^{4d}$  and  $R^{4e}$  are, independently each other, a hydrogen atom, a halogen atom, or a C<sub>1</sub>-C<sub>4</sub>-alkyl group, or  $R^{4d}$  and  $R^{4e}$  optionally form, together with the carbon atom bonded thereto, a 3 to 7 membered monocyclic ring) (with a proviso that at least one of  $Y^1$ ,  $Y^2$ ,  $Y^3$ , and  $Y^4$  is  $CR^{4a}R^{4b}$ ,  $CR^{4a}H$ ,  $CH_2CR^{4a}R^{4b}$ , or  $CH_2CR^{4a}H$  when  $R^2$  is a hydrogen atom.),—

——  $R^{5a}$ ,  $R^{5b}$ ,  $R^{5c}$ ,  $R^{6a}$ ,  $R^{6b}$ , and n fulfill either one of the following constitutions (i) and (ii),—  
 { (i)  $R^{5b}$  and  $R^{5c}$  together form a single bond,  $CH_2$ —,  $OCH_2$ —,  $CH_2O$ —,  $CH_2S$ —,  $SCH_2$ —,  $CH_2NR^{e1}$ —,  $NR^{e1}CH_2$ —,  $CH_2CH_2$ —,  $CONR^{e1}$ —,  $NR^{e1}CO$ —,  $CR^{e1}R^{e2}O$ —, or  $OCR^{e1}R^{e2}$ — ( $R^{e1}$  and  $R^{e2}$  are a hydrogen atom or a C<sub>1</sub>-C<sub>4</sub>-alkyl group.), and—

——  $R^{5a}$  is a hydrogen atom, a C<sub>1</sub>-C<sub>6</sub>-alkyl group, a C<sub>1</sub>-C<sub>6</sub>-haloalkyl group, a C<sub>3</sub>-C<sub>7</sub>-cycloalkyl group, a heterocycloalkyl group, a C<sub>3</sub>-C<sub>7</sub>-cycloalkyl-C<sub>1</sub>-C<sub>4</sub>-alkyl group, a heterocycloalkyl-C<sub>1</sub>-C<sub>4</sub>-alkyl group, or an aralkyl group, and—

——  $R^{6a}$  and  $R^{6b}$ , independently each other, are a hydrogen atom, a halogen atom, a hydroxy—

group, a cyano group, a C<sub>1</sub>-C<sub>4</sub> alkyl group, a C<sub>1</sub>-C<sub>4</sub> haloalkyl group, a C<sub>1</sub>-C<sub>4</sub> alkoxy group, or a C<sub>1</sub>-C<sub>4</sub> haloalkoxy group, and

———— n is 1 or 2.

~~—(ii) R<sup>5a</sup> and R<sup>6a</sup> together form —CH<sub>2</sub>—, —CH<sub>2</sub>CH<sub>2</sub>—, —CH<sub>2</sub>CR<sup>e1</sup>R<sup>e2</sup>—, —CR<sup>e1</sup>R<sup>e2</sup>CH<sub>2</sub>—, —CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>—, —CH<sub>2</sub>CH<sub>2</sub>O—, —CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>O— (R<sup>e1</sup> and R<sup>e2</sup> are the same as the definition given in the (i).), and~~

~~———— R<sup>5b</sup> is a hydrogen atom, a C<sub>1</sub>-C<sub>4</sub> alkyl group, or a C<sub>1</sub>-C<sub>4</sub> haloalkyl group,~~

~~———— R<sup>5e</sup> and R<sup>6b</sup> are a hydrogen atom, a halogen atom, a hydroxy group, a C<sub>1</sub>-C<sub>4</sub> alkyl group, a C<sub>1</sub>-C<sub>4</sub> haloalkyl group, a C<sub>1</sub>-C<sub>4</sub> alkoxy group, a C<sub>1</sub>-C<sub>4</sub> haloalkoxy group or,~~

~~alternatively, R<sup>5e</sup> and R<sup>6b</sup> together form —(CH<sub>2</sub>)<sub>t</sub>—, —O(CH<sub>2</sub>)<sub>t</sub>—, —(CH<sub>2</sub>)<sub>t</sub>O—, —(CH<sub>2</sub>)<sub>t</sub>O(CH<sub>2</sub>)<sub>u</sub>—,~~

~~(CH<sub>2</sub>)<sub>t</sub>NR<sup>e3</sup>(CH<sub>2</sub>)<sub>u</sub>—, —(CH<sub>2</sub>)<sub>t</sub>CONR<sup>e3</sup>(CH<sub>2</sub>)<sub>u</sub>—, or —(CH<sub>2</sub>)<sub>t</sub>NR<sup>e3</sup>CO(CH<sub>2</sub>)<sub>u</sub>— (t and u are,~~

~~independently each other, 0, 1, 2, or 3, R<sup>e3</sup> is a hydrogen atom or a C<sub>1</sub>-C<sub>4</sub> alkyl group.), and~~

~~———— n is 1.]~~

~~—(with a proviso that Y<sup>1</sup>, Y<sup>2</sup>, Y<sup>3</sup> and Y<sup>4</sup> do not together form —CH<sub>2</sub>NR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>— when R<sup>5a</sup>,~~

~~R<sup>5b</sup>, R<sup>5e</sup>, R<sup>6a</sup>, R<sup>6b</sup>, and n fulfill the constitution in the (ii) above.),—~~

~~———— R<sup>7a</sup> and R<sup>7b</sup> are, independently each other, a hydrogen atom, a halogen atom, or a C<sub>1</sub>-C<sub>4</sub> alkyl group.].~~

~~—[Claim 2]~~

~~———— The heteroaromatic amide derivative or salt thereof according to claim 1, wherein in the general formula (I),—~~

~~———— Y<sup>1</sup>, Y<sup>2</sup>, Y<sup>3</sup> and Y<sup>4</sup> together form~~

~~—OCR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>—, —OCR<sup>4a</sup>R<sup>4b</sup>CH<sub>2</sub>CH<sub>2</sub>—,~~

~~—OCH<sub>2</sub>CH<sub>2</sub>—, —OCR<sup>4a</sup>HCH<sub>2</sub>—, —OCR<sup>4a</sup>R<sup>4b</sup>CH<sub>2</sub>—,~~

~~—OCH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>—, —OCR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>—, —OCR<sup>4a</sup>R<sup>4b</sup>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>—,~~

~~—OCH<sub>2</sub>CR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>—, —OCH<sub>2</sub>CR<sup>4a</sup>R<sup>4b</sup>CH<sub>2</sub>CH<sub>2</sub>—,~~

~~—CH<sub>2</sub>OCH<sub>2</sub>CH<sub>2</sub>—, —CH<sub>2</sub>OCH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>—, —CH<sub>2</sub>CH<sub>2</sub>OCH<sub>2</sub>—, —CH<sub>2</sub>CR<sup>4a</sup>HOCH<sub>2</sub>—~~

~~—CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>—, —CH<sub>2</sub>CR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>—, —CH<sub>2</sub>CR<sup>4a</sup>R<sup>4b</sup>CH<sub>2</sub>CH<sub>2</sub>—,~~

~~—CH<sub>2</sub>CH<sub>2</sub>CR<sup>4a</sup>HCH<sub>2</sub>—, —CH<sub>2</sub>CH<sub>2</sub>CR<sup>4a</sup>R<sup>4b</sup>CH<sub>2</sub>—,~~

~~—CH<sub>2</sub>SCH<sub>2</sub>CH<sub>2</sub>—, —CH<sub>2</sub>SO<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>—,~~

~~—NHCH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>—, —NR<sup>4e</sup>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>—, —NR<sup>4e</sup>CR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>—,~~

~~—NHCR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>—,~~

~~—CH<sub>2</sub>NR<sup>4e</sup>CH<sub>2</sub>CH<sub>2</sub>—, —CH<sub>2</sub>NR<sup>4e</sup>CR<sup>4a</sup>HCH<sub>2</sub>—, —CH<sub>2</sub>NHCR<sup>4a</sup>HCH<sub>2</sub>—,~~

~~—CH<sub>2</sub>CH<sub>2</sub>NR<sup>4e</sup>CH<sub>2</sub>—, —CH<sub>2</sub>CR<sup>4a</sup>HNR<sup>4e</sup>CH<sub>2</sub>—, or —CH<sub>2</sub>CR<sup>4a</sup>HNHCH<sub>2</sub>— (R<sup>4a</sup>, R<sup>4b</sup> and R<sup>4e</sup> are the same as the definition given in Claim 1.).—~~

~~———— R<sup>2</sup> is a hydrogen atom, a halogen atom, a hydroxy group, a cyano group, or an—~~

optionally substituted saturated, partially saturated or unsaturated 3 to 7 membered monocyclic ring (with a proviso that  $R^2$  is a hydrogen atom when  $X^1-X^2$  is C-N and  $Y^1, Y^2, Y^3$  and  $Y^4$  together form  $-OCR^{4a}HCH_2CH_2-$ ,  $-OCR^{4a}R^{4b}CH_2CH_2-$ ), (with a proviso that ring C is not a phenyl ring when  $X^1-X^2$  is N-C,  $Y^1, Y^2, Y^3$  and  $Y^4$  together form  $-CH_2CR^{4a}HCH_2CH_2-$ ,  $R^2$  is a hydrogen atom,  $R^{4a}$  is a group represented by the general formula (I-B), and  $L^2$  is a single bond.).  
[Claim 3]

~~\_\_\_\_\_The heteroaromatic amide derivative or salt thereof according to Claim 1 or 2, wherein in the general formula (I),~~

~~\_\_\_\_\_  $X^1-X^2$  is C-N,~~

~~\_\_\_\_\_  $Y^1, Y^2, Y^3$  and  $Y^4$  together form~~

~~$-OCR^{4a}HCH_2CH_2-$ ,  $-OCR^{4a}R^{4b}CH_2CH_2-$ ,  $-OCH_2CH_2-$ ,~~

~~$-OCR^{4a}HCH_2-$ ,  $-OCR^{4a}R^{4b}CH_2-$ ,~~

~~$-OCH_2CH_2CH_2CH_2-$ ,  $-OCR^{4a}HCH_2CH_2CH_2-$ ,  $-OCH_2CR^{4a}HCH_2CH_2-$ ,~~

~~$-CH_2OCH_2CH_2-$ ,  $-CH_2OCH_2CH_2CH_2-$ ,~~

~~$-CH_2CR^{4a}HCH_2CH_2-$ ,  $-CH_2CR^{4a}R^{4b}CH_2CH_2-$ ,  $-CH_2CH_2CR^{4a}HCH_2-$ ,~~

~~$-NHCH_2CH_2CH_2-$ ,  $-NR^{4e}CR^{4a}HCH_2CH_2-$ ,  $-NHCR^{4a}HCH_2CH_2-$ , or  $-CH_2NR^{4e}CH_2CH_2-$  ( $R^{4a}, R^{4b}$  and  $R^{4e}$  have the same definition as given in Claim 1.),~~

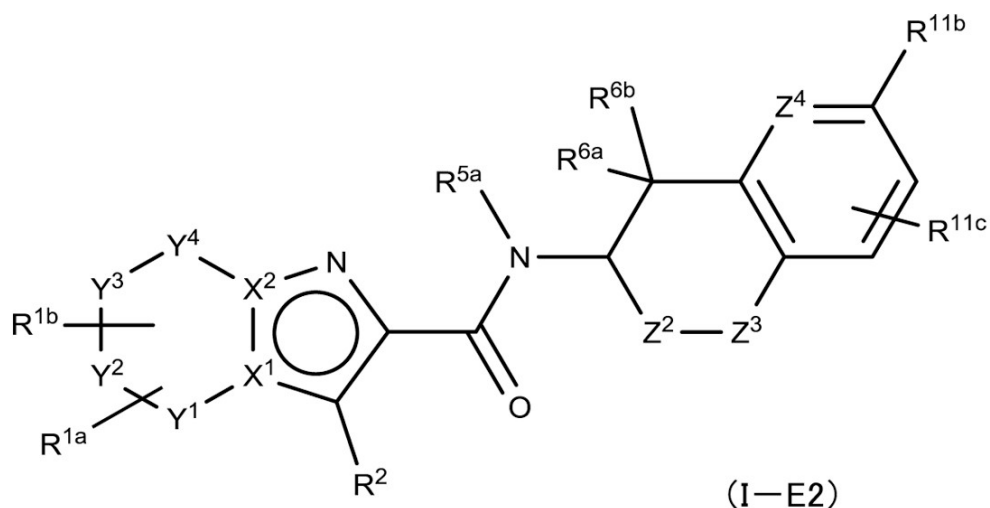
~~\_\_\_\_\_  $R^{5a}, R^{5b}, R^{5e}, R^{6a}, R^{6b}$ , and n fulfill the constitution (i) in Claim 1.~~

[Claim 41]

A heteroaromatic amide derivative or salt thereof represented by the general formula (I-

E2):

[Chem 61]



[wherein,

X<sup>1</sup>-X<sup>2</sup> is N-C or C-N,

Y<sup>1</sup>, Y<sup>2</sup>, Y<sup>3</sup> and Y<sup>4</sup> together form

-OCH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>-, -OCR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>-, -OCR<sup>4a</sup>R<sup>4b</sup>CH<sub>2</sub>CH<sub>2</sub>-,

-OCH<sub>2</sub>CH<sub>2</sub>-, -OCR<sup>4a</sup>HCH<sub>2</sub>-, -OCR<sup>4a</sup>R<sup>4b</sup>CH<sub>2</sub>-,

-OCH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>-, -OCR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>-, -OCR<sup>4a</sup>R<sup>4b</sup>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>-,

-OCH<sub>2</sub>CR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>-, -OCH<sub>2</sub>CR<sup>4a</sup>R<sup>4b</sup>CH<sub>2</sub>CH<sub>2</sub>-,

-CH<sub>2</sub>OCH<sub>2</sub>CH<sub>2</sub>-, -CH<sub>2</sub>OCH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>-, -CH<sub>2</sub>CH<sub>2</sub>OCH<sub>2</sub>-, -CH<sub>2</sub>CR<sup>4a</sup>HOCH<sub>2</sub>-,

-CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>-, -CH<sub>2</sub>CR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>-, -CH<sub>2</sub>CR<sup>4a</sup>R<sup>4b</sup>CH<sub>2</sub>CH<sub>2</sub>-,

-CH<sub>2</sub>CH<sub>2</sub>CR<sup>4a</sup>HCH<sub>2</sub>-, -CH<sub>2</sub>CH<sub>2</sub>CR<sup>4a</sup>R<sup>4b</sup>CH<sub>2</sub>-,

-CH<sub>2</sub>SCH<sub>2</sub>CH<sub>2</sub>-, -CH<sub>2</sub>SO<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>-,

-NHCH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>-, -NR<sup>4c</sup>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>-, -NR<sup>4c</sup>CR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>-,

-NHCR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>-,

-CH<sub>2</sub>NR<sup>4c</sup>CH<sub>2</sub>CH<sub>2</sub>-, -CH<sub>2</sub>NR<sup>4c</sup>CR<sup>4a</sup>HCH<sub>2</sub>-, -CH<sub>2</sub>NHCR<sup>4a</sup>HCH<sub>2</sub>-,

-CH<sub>2</sub>CH<sub>2</sub>NR<sup>4c</sup>CH<sub>2</sub>-, -CH<sub>2</sub>CR<sup>4a</sup>HNR<sup>4c</sup>CH<sub>2</sub>-, or -CH<sub>2</sub>CR<sup>4a</sup>HNHCH<sub>2</sub>-

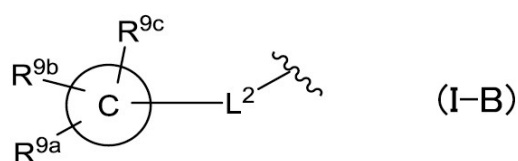
R<sup>1a</sup> and R<sup>1b</sup> are, independently each other, a hydrogen atom, a halogen atom, a hydroxy group, a cyano group, a C<sub>1</sub>-C<sub>4</sub> alkyl group, a C<sub>1</sub>-C<sub>4</sub> haloalkyl group, a C<sub>1</sub>-C<sub>4</sub> alkoxy group, a C<sub>1</sub>-C<sub>4</sub> haloalkoxy group, a C<sub>3</sub>-C<sub>7</sub> cycloalkyl group, a C<sub>1</sub>-C<sub>4</sub> alkoxy-C<sub>1</sub>-C<sub>4</sub> alkyl group, or a C<sub>1</sub>-C<sub>4</sub> haloalkoxy-C<sub>1</sub>-C<sub>4</sub> alkyl group,

R<sup>2</sup> is a hydrogen atom, a halogen atom, a hydroxy group, a cyano group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> alkyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> haloalkyl group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkenyl group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkynyl group, or an optionally substituted saturated, partially saturated or unsaturated 3- to 7-membered monocyclic ring,

R<sup>4a</sup>, R<sup>4b</sup> and R<sup>4c</sup> are, independently each other, a halogen atom, a cyano group, a cyanomethyl group, a formyl group, a nitro group, a carboxamide group, a hydroxy group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> alkyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> haloalkyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> alkoxy group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> haloalkoxy group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> alkoxy-C<sub>1</sub>-C<sub>4</sub> alkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> haloalkoxy-C<sub>1</sub>-C<sub>4</sub> alkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> alkoxy-C<sub>1</sub>-C<sub>4</sub> haloalkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> haloalkoxy-C<sub>1</sub>-C<sub>4</sub> haloalkyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> alkylcarbonyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> alkoxy carbonyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> alkylcarbonyloxy group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> haloalkylcarbonyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> haloalkoxycarbonyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub>

haloalkylcarbonyloxy group, an optionally substituted C<sub>3</sub>-C<sub>7</sub> cycloalkyl group, an optionally substituted heterocycloalkyl group, an optionally substituted C<sub>3</sub>-C<sub>7</sub> cycloalkyloxy group, an optionally substituted heterocycloalkyloxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkenyl group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkenyloxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkenyloxy-C<sub>1</sub>-C<sub>4</sub> alkyl group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkenyloxy-C<sub>1</sub>-C<sub>4</sub> haloalkyl group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkynyl group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkynyloxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkynyloxy-C<sub>1</sub>-C<sub>4</sub> alkyl group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkynyloxy-C<sub>1</sub>-C<sub>4</sub> haloalkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> alkoxy-C<sub>1</sub>-C<sub>4</sub> alkoxy group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> haloalkoxy-C<sub>1</sub>-C<sub>4</sub> alkoxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkenyloxy-C<sub>1</sub>-C<sub>4</sub> alkoxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkynyloxy-C<sub>1</sub>-C<sub>4</sub> alkoxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkenyloxy-C<sub>1</sub>-C<sub>4</sub> haloalkoxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkynyloxy-C<sub>1</sub>-C<sub>4</sub> haloalkoxy group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> alkylthio group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> haloalkylthio group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> alkylthio-C<sub>1</sub>-C<sub>4</sub> alkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> haloalkylthio-C<sub>1</sub>-C<sub>4</sub> alkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> alkylthio-C<sub>1</sub>-C<sub>4</sub> haloalkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> haloalkylthio-C<sub>1</sub>-C<sub>4</sub> haloalkyl group, a pentafluorosulfanyl group,  $-(CH_2)_qNR^{b1}R^{b2}$  ( $R^{b1}$  and  $R^{b2}$  are, independently each other, a hydrogen atom, a C<sub>1</sub>-C<sub>4</sub> alkyl group, or a C<sub>1</sub>-C<sub>4</sub> haloalkyl group, and q is 0, 1, 2, or 3.), or a group represented by the general formula (I-B)

[【化2】](#) [fChem2](#)



{wherein,

ring C is a saturated, partially saturated or unsaturated 3- to 7-membered monocyclic ring, or a saturated, partially saturated or unsaturated 7- to 12-membered bicyclic ring,

$L^2$  is a single bond,  $-CH=CH-$ ,  $-C\equiv C-$ ,

$-(CR^{10a}R^{10b})_{r1}(CR^{10c}R^{10d})_{r2}(CR^{10e}R^{10f})_{r3}(CR^{10g}R^{10h})_{r4}-$ ,

$-(CR^{10a}R^{10b})_{r1}(CR^{10c}R^{10d})_{r2}O(CR^{10e}R^{10f})_{r3}(CR^{10g}R^{10h})_{r4}-$ ,

$-(CR^{10a}R^{10b})_{r1}(CR^{10c}R^{10d})_{r2}NR^c(CR^{10e}R^{10f})_{r3}(CR^{10g}R^{10h})_{r4}-$ ,

$-(CR^{10a}R^{10b})_{r1}(CR^{10c}R^{10d})_{r2}CO(CR^{10e}R^{10f})_{r3}(CR^{10g}R^{10h})_{r4}-$ ,

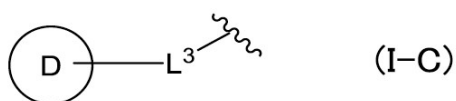
$-(CR^{10a}R^{10b})_{r1}(CR^{10c}R^{10d})_{r2}CONR^c(CR^{10e}R^{10f})_{r3}(CR^{10g}R^{10h})_{r4}-$ ,

$-(CR^{10a}R^{10b})_{r1}(CR^{10c}R^{10d})_{r2}NR^cCO(CR^{10e}R^{10f})_{r3}(CR^{10g}R^{10h})_{r4}-$ ,

$-(CR^{10a}R^{10b})_{r1}(CR^{10c}R^{10d})_{r2}S(CR^{10e}R^{10f})_{r3}(CR^{10g}R^{10h})_{r4}-$ ,

$-(\text{CR}^{10a}\text{R}^{10b})_{r1}(\text{CR}^{10c}\text{R}^{10d})_{r2}\text{SO}(\text{CR}^{10e}\text{R}^{10f})_{r3}(\text{CR}^{10g}\text{R}^{10h})_{r4}-$ ,  
 $-(\text{CR}^{10a}\text{R}^{10b})_{r1}(\text{CR}^{10c}\text{R}^{10d})_{r2}\text{SO}_2(\text{CR}^{10e}\text{R}^{10f})_{r3}(\text{CR}^{10g}\text{R}^{10h})_{r4}-$ ,  
 $-(\text{CR}^{10a}\text{R}^{10b})_{r1}(\text{CR}^{10c}\text{R}^{10d})_{r2}\text{SO}_2\text{NR}^c(\text{CR}^{10e}\text{R}^{10f})_{r3}(\text{CR}^{10g}\text{R}^{10h})_{r4}-$ , or  
 $-(\text{CR}^{10a}\text{R}^{10b})_{r1}(\text{CR}^{10c}\text{R}^{10d})_{r2}\text{NR}^c\text{SO}_2(\text{CR}^{10e}\text{R}^{10f})_{r3}(\text{CR}^{10g}\text{R}^{10h})_{r4}-$   
 $(\text{R}^c \text{ is a hydrogen atom, a C}_1\text{-C}_4 \text{ alkyl group, or a C}_1\text{-C}_4 \text{ haloalkyl group,}$   
 $\text{R}^{10a}, \text{R}^{10b}, \text{R}^{10c}, \text{R}^{10d}, \text{R}^{10e}, \text{R}^{10f}, \text{R}^{10g}, \text{ and } \text{R}^{10h} \text{ are, independently each other, a hydrogen}$   
 $\text{atom, a halogen atom, a C}_1\text{-C}_4 \text{ alkyl group, or a C}_3\text{-C}_7 \text{ cycloalkyl group,}$   
 $\text{R}^{10a} \text{ and } \text{R}^{10b} \text{ optionally form, together with the carbon atom bonded thereto, a 3- to 7-}$   
 $\text{membered monocyclic ring,}$   
 $\text{R}^{10c} \text{ and } \text{R}^{10d} \text{ optionally form, together with the carbon atom bonded thereto, a 3- to 7-}$   
 $\text{membered monocyclic ring,}$   
 $\text{R}^{10e} \text{ and } \text{R}^{10f} \text{ optionally form, together with the carbon atom bonded thereto, a 3- to 7-}$   
 $\text{membered monocyclic ring,}$   
 $\text{R}^{10g} \text{ and } \text{R}^{10h} \text{ optionally form, together with the carbon atom bonded thereto, a 3- to 7-}$   
 $\text{membered monocyclic ring,}$   
 $r1, r2, r3 \text{ and } r4 \text{ are, independently each other, 0, 1, or 2.},$   
 $\text{R}^{9a}, \text{R}^{9b} \text{ and } \text{R}^{9c} \text{ are, independently each other, a hydrogen atom, a halogen atom, a}$   
 $\text{hydroxy group, a cyano group, a formyl group, a C}_1\text{-C}_6 \text{ alkyl group, a C}_1\text{-C}_6 \text{ haloalkyl group, a}$   
 $\text{C}_1\text{-C}_6 \text{ alkoxy group, a C}_1\text{-C}_6 \text{ haloalkoxy group, a C}_1\text{-C}_4 \text{ alkoxy-C}_1\text{-C}_4 \text{ alkyl group, a C}_1\text{-C}_4$   
 $\text{haloalkoxy-C}_1\text{-C}_4 \text{ alkyl group, a C}_1\text{-C}_4 \text{ alkoxy-C}_1\text{-C}_4 \text{ haloalkyl group, a C}_1\text{-C}_6 \text{ alkylcarbonyl}$   
 $\text{group, a C}_1\text{-C}_6 \text{ alkoxycarbonyl group, a C}_1\text{-C}_6 \text{ haloalkylcarbonyl group, a C}_3\text{-C}_7 \text{ cycloalkyl}$   
 $\text{group, a heterocycloalkyl group, a C}_3\text{-C}_7 \text{ cycloalkyloxy group, a heterocycloalkyloxy group, a}$   
 $\text{C}_2\text{-C}_6 \text{ alkenyl group, }-(\text{CH}_2)_s\text{NR}^{d1}\text{R}^{d2} \text{ (R}^{d1} \text{ and } \text{R}^{d2} \text{ are, independently each other, a hydrogen}$   
 $\text{atom, a C}_1\text{-C}_4 \text{ alkyl group, or a C}_1\text{-C}_4 \text{ haloalkyl group, and } s \text{ is 0, 1, or 2.}), \text{ or the general formula}$   
 $(\text{I-C})$

[【化 3】](#) [\[Chem3\]](#)



$\{\text{wherein,}$   
 $\text{ring D is a 3- to 7-membered monocyclic ring optionally substituted by a halogen atom,}$   
 $\text{a hydroxy group, a C}_1\text{-C}_4 \text{ alkyl group, a C}_1\text{-C}_4 \text{ haloalkyl group, a C}_1\text{-C}_4 \text{ alkoxy group, or a C}_1\text{-C}_4$   
 $\text{haloalkoxy group,}$   
 $\text{L}^3 \text{ is a single bond, or an oxygen atom.}\} \text{ or}$

R<sup>4a</sup> and R<sup>4b</sup> optionally form, together with the carbon atom bonded thereto, a 3- to 7-membered monocyclic ring, or

R<sup>4a</sup> and R<sup>4b</sup> optionally together form the general formula (I-D):

【化 4】 ~~[Chem4]~~



(R<sup>4d</sup> and R<sup>4e</sup> are, independently each other, a hydrogen atom, a halogen atom, or a C<sub>1</sub>-C<sub>4</sub> alkyl group, or R<sup>4d</sup> and R<sup>4e</sup> optionally form, together with the carbon atom bonded thereto, a 3- to 7-membered monocyclic ring) (with a proviso that at least one of Y<sup>1</sup>, Y<sup>2</sup>, Y<sup>3</sup>, and Y<sup>4</sup> is -CR<sup>4a</sup>R<sup>4b</sup>-, -CR<sup>4a</sup>H-, -CH<sub>2</sub>CR<sup>4a</sup>R<sup>4b</sup>-, or -CH<sub>2</sub>CR<sup>4a</sup>H- when R<sup>2</sup> is a hydrogen atom.),

X<sup>1</sup>, X<sup>2</sup>, Y<sup>1</sup>, Y<sup>2</sup>, Y<sup>3</sup>, Y<sup>4</sup>, R<sup>1a</sup>, R<sup>1b</sup>, R<sup>2</sup> have the same definition as given in Claim 1,

Z<sup>2</sup>-Z<sup>3</sup> is -CH<sub>2</sub>-, -OCH<sub>2</sub>-, -CH<sub>2</sub>O-, -SCH<sub>2</sub>-, -CH<sub>2</sub>S-, -CH<sub>2</sub>NR<sup>f1</sup>-, -NR<sup>f1</sup>CH<sub>2</sub>-, -CH<sub>2</sub>CH<sub>2</sub>-, -CONR<sup>f1</sup>-, -NR<sup>f1</sup>CO-, -OCR<sup>f1</sup>R<sup>f2</sup>-, or -CR<sup>f1</sup>R<sup>f2</sup>O- (R<sup>f1</sup> and R<sup>f2</sup> are a hydrogen atom, a C<sub>1</sub>-C<sub>4</sub> alkyl group, or a C<sub>1</sub>-C<sub>4</sub> haloalkyl group.),

R<sup>5a</sup> is a hydrogen atom, a C<sub>1</sub>-C<sub>6</sub> alkyl group, a C<sub>1</sub>-C<sub>6</sub> haloalkyl group, a C<sub>3</sub>-C<sub>7</sub> cycloalkyl group, a heterocycloalkyl group, a C<sub>3</sub>-C<sub>7</sub> cycloalkyl-C<sub>1</sub>-C<sub>4</sub> alkyl group, a heterocycloalkyl-C<sub>1</sub>-C<sub>4</sub> alkyl group, or an aralkyl group,

R<sup>6a</sup> and R<sup>6b</sup> are, independently each other, a hydrogen atom, a halogen atom, a hydroxy group, a cyano group, a C<sub>1</sub>-C<sub>4</sub> alkyl group, a C<sub>1</sub>-C<sub>4</sub> haloalkyl group, a C<sub>1</sub>-C<sub>4</sub> alkoxy group, or a C<sub>1</sub>-C<sub>4</sub> haloalkoxy group,

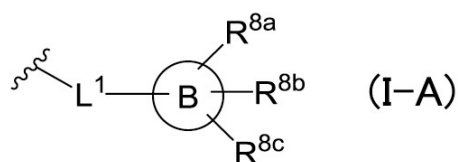
Z<sup>4</sup> is C-R<sup>11a</sup> or a nitrogen atom,

R<sup>11a</sup> is a hydrogen atom, a halogen atom, a cyano group, a cyanomethyl group, a formyl group, a nitro group, a carboxamide group, a hydroxy group, a C<sub>1</sub>-C<sub>6</sub> alkyl group, a C<sub>1</sub>-C<sub>6</sub> haloalkyl group, a C<sub>1</sub>-C<sub>6</sub> alkoxy group, a C<sub>1</sub>-C<sub>6</sub> haloalkoxy group, a C<sub>1</sub>-C<sub>4</sub> alkoxy-C<sub>1</sub>-C<sub>4</sub> alkyl group, a C<sub>1</sub>-C<sub>4</sub> haloalkoxy-C<sub>1</sub>-C<sub>4</sub> alkyl group, a C<sub>3</sub>-C<sub>7</sub> cycloalkyl group, a C<sub>2</sub>-C<sub>6</sub> alkenyl group, a C<sub>2</sub>-C<sub>6</sub> alkenyloxy group, a C<sub>2</sub>-C<sub>6</sub> alkynyl group, or a C<sub>2</sub>-C<sub>6</sub> alkynyloxy group,

R<sup>11b</sup> has the same definition as given to R<sup>3b</sup> in Claim 1, and R<sup>11c</sup> are, independently each other, a hydrogen atom, a halogen atom, a cyano group, a cyanomethyl group, a formyl group, a nitro group, a carboxamide group, a hydroxy group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> alkyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> haloalkyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> alkoxy group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> haloalkoxy group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> alkoxy-C<sub>1</sub>-C<sub>4</sub> alkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> haloalkoxy-C<sub>1</sub>-C<sub>4</sub> alkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> alkoxy-C<sub>1</sub>-C<sub>4</sub> haloalkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> haloalkoxy-C<sub>1</sub>-

C<sub>4</sub> haloalkyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> alkylcarbonyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> alkoxy carbonyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> alkylcarbonyloxy group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> haloalkylcarbonyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> haloalkoxy carbonyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> haloalkylcarbonyloxy group, an optionally substituted C<sub>3</sub>-C<sub>7</sub> cycloalkyl group, an optionally substituted heterocycloalkyl group, an optionally substituted C<sub>3</sub>-C<sub>7</sub> cycloalkyloxy group, an optionally substituted heterocycloalkyloxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkenyl group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkenyloxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkenyloxy-C<sub>1</sub>-C<sub>4</sub> alkyl group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkenyloxy-C<sub>1</sub>-C<sub>4</sub> haloalkyl group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkynyl group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkynyloxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkynyloxy-C<sub>1</sub>-C<sub>4</sub> alkyl group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkynyloxy-C<sub>1</sub>-C<sub>4</sub> haloalkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> alkoxy-C<sub>1</sub>-C<sub>4</sub> alkoxy group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> haloalkoxy-C<sub>1</sub>-C<sub>4</sub> alkoxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkenyloxy-C<sub>1</sub>-C<sub>4</sub> alkoxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkynyloxy-C<sub>1</sub>-C<sub>4</sub> alkoxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkenyloxy-C<sub>1</sub>-C<sub>4</sub> haloalkoxy group, an optionally substituted C<sub>2</sub>-C<sub>6</sub> alkynyloxy-C<sub>1</sub>-C<sub>4</sub> haloalkoxy group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> alkylthio group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> haloalkylthio group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> alkylthio-C<sub>1</sub>-C<sub>4</sub> alkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> haloalkylthio-C<sub>1</sub>-C<sub>4</sub> alkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> alkylthio-C<sub>1</sub>-C<sub>4</sub> haloalkyl group, an optionally substituted C<sub>1</sub>-C<sub>4</sub> haloalkylthio-C<sub>1</sub>-C<sub>4</sub> haloalkyl group, an optionally substituted C<sub>1</sub>-C<sub>6</sub> alkylsulfonyl group, -(CH<sub>2</sub>)<sub>p</sub>NR<sup>a1</sup>R<sup>a2</sup> (R<sup>a1</sup> and R<sup>a2</sup> are, independently each other, a hydrogen atom, a C<sub>1</sub>-C<sub>4</sub> alkyl group, or a C<sub>1</sub>-C<sub>4</sub> haloalkyl group, and p is 0, 1, or 2.), or a group represented by the general formula (I-A)

【化 5】 {Chem5}



{wherein,

ring B is a saturated, partially saturated or unsaturated 3- to 7-membered monocyclic ring,

L<sup>1</sup> is a single bond, -CR<sup>a3</sup>R<sup>a4</sup>-, -O-, -NR<sup>a1</sup>-, -CR<sup>a3</sup>R<sup>a4</sup>O-, -OCR<sup>a3</sup>R<sup>a4</sup>-, -CH<sub>2</sub>CH<sub>2</sub>-, -CH=CH-, -C≡C-, or -CH<sub>2</sub>OCH<sub>2</sub>- (R<sup>a3</sup> and R<sup>a4</sup> are, independently each other, a hydrogen atom, a C<sub>1</sub>-C<sub>4</sub> alkyl group, or a C<sub>1</sub>-C<sub>4</sub> haloalkyl group.),

R<sup>8a</sup>, R<sup>8b</sup> and R<sup>8c</sup> are, independently each other, a hydrogen atom, a halogen atom, a

cyano group, a C<sub>1</sub>-C<sub>6</sub> alkyl group, a C<sub>1</sub>-C<sub>6</sub> haloalkyl group, a C<sub>1</sub>-C<sub>6</sub> alkoxy group, a C<sub>1</sub>-C<sub>6</sub> haloalkoxy group, a C<sub>3</sub>-C<sub>7</sub> cycloalkyl group, a C<sub>3</sub>-C<sub>7</sub> cycloalkyloxy group, a heterocycloalkyl group, a heterocycloalkyloxy group, a C<sub>2</sub>-C<sub>6</sub> alkenyl group, or a C<sub>2</sub>-C<sub>6</sub> alkynyl group.

~~—R<sup>11e</sup> has the same definition as given to R<sup>3e</sup> in Claim 1~~

~~—(with a proviso that at least one of Y<sup>1</sup>, Y<sup>2</sup>, Y<sup>3</sup>, or Y<sup>4</sup> is —CR<sup>4a</sup>R<sup>4b</sup>—, —CR<sup>4a</sup>H—, —CH<sub>2</sub>CR<sup>4a</sup>R<sup>4b</sup>—, —CH<sub>2</sub>CR<sup>4a</sup>H—, or —NR<sup>4e</sup>— (R<sup>4a</sup>, R<sup>4b</sup> and R<sup>4e</sup> have the same definition as given in Claim 1.) when R<sup>2</sup> is a hydrogen atom.)].~~

[Claim ~~52~~]

The heteroaromatic amide derivative or salt thereof according to Claim 41, wherein in the general formula (I-E2),

X<sup>1</sup>-X<sup>2</sup> is C-N,

Y<sup>1</sup>, Y<sup>2</sup>, Y<sup>3</sup> and Y<sup>4</sup> together form

-OCR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>-, -OCR<sup>4a</sup>R<sup>4b</sup>CH<sub>2</sub>CH<sub>2</sub>-, -OCH<sub>2</sub>CH<sub>2</sub>-,

-OCR<sup>4a</sup>HCH<sub>2</sub>-, -OCR<sup>4a</sup>R<sup>4b</sup>CH<sub>2</sub>-,

-OCH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>-, -OCR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>-, -OCH<sub>2</sub>CR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>-,

-CH<sub>2</sub>OCH<sub>2</sub>CH<sub>2</sub>-, -CH<sub>2</sub>OCH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>-,

-CH<sub>2</sub>CR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>-, -CH<sub>2</sub>CR<sup>4a</sup>R<sup>4b</sup>CH<sub>2</sub>CH<sub>2</sub>-, -CH<sub>2</sub>CH<sub>2</sub>CR<sup>4a</sup>HCH<sub>2</sub>-,

-NHCH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>-, -NR<sup>4c</sup>CR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>-, -NHCR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>-, or -CH<sub>2</sub>NR<sup>4c</sup>CH<sub>2</sub>CH<sub>2</sub>-

(R<sup>4a</sup>, R<sup>4b</sup> and R<sup>4c</sup> have the same definition as given in Claim 1.),

(with a proviso that R<sup>2</sup> is a hydrogen atom when X<sup>1</sup>-X<sup>2</sup> is C-N and Y<sup>1</sup>, Y<sup>2</sup>, Y<sup>3</sup> and Y<sup>4</sup> together form -OCR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>- or -OCR<sup>4a</sup>R<sup>4b</sup>CH<sub>2</sub>CH<sub>2</sub>-).

[Claim ~~63~~]

The heteroaromatic amide derivative or salt thereof according to Claim 41 or 52, wherein in the general formula (I-E2),

Z<sup>2</sup>-Z<sup>3</sup> is -CH<sub>2</sub>O-,

R<sup>6a</sup> and R<sup>6b</sup>, each independently, are a hydrogen atom, a fluorine atom, a hydroxy group or a methoxy group,

R<sup>11a</sup> and R<sup>11c</sup> are each a hydrogen atom.

[Claim ~~74~~]

The heteroaromatic amide derivative or salt thereof according to any one of Claims 41 to 63, wherein in the general formula (I-E2),

X<sup>1</sup>-X<sup>2</sup> is C-N,

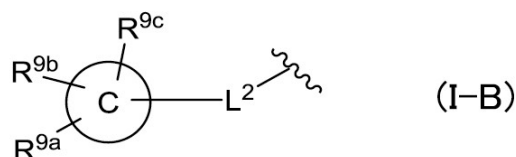
Y<sup>1</sup>, Y<sup>2</sup>, Y<sup>3</sup> and Y<sup>4</sup> together form

-OCR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>-, -OCR<sup>4a</sup>HCH<sub>2</sub>-,

-OCR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>-, -CH<sub>2</sub>CR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>-,  
 -NR<sup>4c</sup>CR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>-, -NHCR<sup>4a</sup>HCH<sub>2</sub>CH<sub>2</sub>-, or -CH<sub>2</sub>NR<sup>4c</sup>CH<sub>2</sub>CH<sub>2</sub>-,

R<sup>4a</sup> is a halogen atom, a hydroxy group, a cyano group, a C<sub>1</sub>-C<sub>6</sub> alkyl group, a C<sub>1</sub>-C<sub>6</sub> alkyl group optionally substituted by a hydroxy group, a C<sub>1</sub>-C<sub>6</sub> haloalkyl group, a C<sub>1</sub>-C<sub>6</sub> haloalkyl group optionally substituted by a hydroxy group, a C<sub>1</sub>-C<sub>6</sub> alkoxy group, a C<sub>1</sub>-C<sub>6</sub> haloalkoxy group, a C<sub>1</sub>-C<sub>4</sub> alkoxy-C<sub>1</sub>-C<sub>4</sub> alkyl group optionally substituted by a C<sub>1</sub>-C<sub>4</sub> haloalkoxy group, a C<sub>1</sub>-C<sub>4</sub> haloalkoxy-C<sub>1</sub>-C<sub>4</sub> alkyl group, a C<sub>1</sub>-C<sub>4</sub> alkoxy-C<sub>1</sub>-C<sub>4</sub> haloalkyl group, a C<sub>1</sub>-C<sub>4</sub> haloalkoxy-C<sub>1</sub>-C<sub>4</sub> haloalkyl group, a C<sub>1</sub>-C<sub>6</sub> alkylcarbonyl group, a C<sub>1</sub>-C<sub>6</sub> alkoxy carbonyl group, a C<sub>1</sub>-C<sub>6</sub> haloalkylcarbonyl group, a C<sub>3</sub>-C<sub>7</sub> cycloalkyl group, a C<sub>3</sub>-C<sub>7</sub> cycloalkyl group optionally substituted by a halogen atom or a C<sub>1</sub>-C<sub>4</sub> haloalkyl group, a heterocycloalkyl group, a C<sub>2</sub>-C<sub>6</sub> alkenyl group, a C<sub>2</sub>-C<sub>6</sub> alkenyloxy group, a C<sub>2</sub>-C<sub>6</sub> alkenyloxy-C<sub>1</sub>-C<sub>4</sub> alkyl group, a C<sub>2</sub>-C<sub>6</sub> alkenyloxy-C<sub>1</sub>-C<sub>4</sub> alkyl group optionally substituted by a halogen atom, a C<sub>2</sub>-C<sub>6</sub> alkynyl group, a C<sub>2</sub>-C<sub>6</sub> alkynyl group optionally substituted by a halogen atom or a methoxy group, a C<sub>2</sub>-C<sub>6</sub> alkynyloxy-C<sub>1</sub>-C<sub>4</sub> alkyl group, a C<sub>1</sub>-C<sub>4</sub> haloalkoxy-C<sub>1</sub>-C<sub>4</sub> alkoxy group, a C<sub>1</sub>-C<sub>6</sub> alkylthio group, a C<sub>1</sub>-C<sub>6</sub> haloalkylthio group, a C<sub>1</sub>-C<sub>4</sub> alkylthio-C<sub>1</sub>-C<sub>4</sub> alkyl group, a C<sub>1</sub>-C<sub>4</sub> haloalkylthio-C<sub>1</sub>-C<sub>4</sub> alkyl group, -(CH<sub>2</sub>)<sub>q</sub>NR<sup>b1</sup>R<sup>b2</sup> (q, R<sup>b1</sup> and R<sup>b2</sup> have the same definition as given in Claim 1.), or the general formula (I-B)

[Chem 76]



{wherein,

ring C is a C<sub>3</sub>-C<sub>7</sub> cycloalkyl, an azetidiny, a pyrrolidinyl, a piperidyl, a piperazinyl, a morpholino, a phenyl, a pyrrolyl, a furyl, a thienyl, an imidazolyl, a pyrazolyl, an oxazolyl, a thiazolyl, a triazolyl, a pyridyl, a pyrazinyl, a pyridazinyl, or a pyrimidinyl,

L<sup>2</sup> is a single bond, -CH=CH-, -C≡C-,

-(CR<sup>10a</sup>R<sup>10b</sup>)<sub>r1</sub>(CR<sup>10c</sup>R<sup>10d</sup>)<sub>r2</sub>(CR<sup>10e</sup>R<sup>10f</sup>)<sub>r3</sub>(CR<sup>10g</sup>R<sup>10h</sup>)<sub>r4</sub>-,  
 -(CR<sup>10a</sup>R<sup>10b</sup>)<sub>r1</sub>(CR<sup>10c</sup>R<sup>10d</sup>)<sub>r2</sub>O(CR<sup>10e</sup>R<sup>10f</sup>)<sub>r3</sub>(CR<sup>10g</sup>R<sup>10h</sup>)<sub>r4</sub>-,  
 -(CR<sup>10a</sup>R<sup>10b</sup>)<sub>r1</sub>(CR<sup>10c</sup>R<sup>10d</sup>)<sub>r2</sub>NR<sup>c</sup>(CR<sup>10e</sup>R<sup>10f</sup>)<sub>r3</sub>(CR<sup>10g</sup>R<sup>10h</sup>)<sub>r4</sub>-,  
 -(CR<sup>10a</sup>R<sup>10b</sup>)<sub>r1</sub>(CR<sup>10c</sup>R<sup>10d</sup>)<sub>r2</sub>CO(CR<sup>10e</sup>R<sup>10f</sup>)<sub>r3</sub>(CR<sup>10g</sup>R<sup>10h</sup>)<sub>r4</sub>-,  
 -(CR<sup>10a</sup>R<sup>10b</sup>)<sub>r1</sub>(CR<sup>10c</sup>R<sup>10d</sup>)<sub>r2</sub>S(CR<sup>10e</sup>R<sup>10f</sup>)<sub>r3</sub>(CR<sup>10g</sup>R<sup>10h</sup>)<sub>r4</sub>-, or  
 -(CR<sup>10a</sup>R<sup>10b</sup>)<sub>r1</sub>(CR<sup>10c</sup>R<sup>10d</sup>)<sub>r2</sub>SO(CR<sup>10e</sup>R<sup>10f</sup>)<sub>r3</sub>(CR<sup>10g</sup>R<sup>10h</sup>)<sub>r4</sub> (R<sup>10a</sup>, R<sup>10b</sup>, R<sup>10c</sup>, R<sup>10d</sup>, R<sup>10e</sup>, R<sup>10f</sup>, R<sup>10g</sup>, R<sup>10h</sup>, r1, r2, r3, r4 and R<sup>c</sup> have the same definition as given in Claim 1.),

$R^{9a}$ ,  $R^{9b}$  and  $R^{9c}$  are, independently each other, a hydrogen atom, a halogen atom, a hydroxy group, a cyano group, a C<sub>1</sub>-C<sub>6</sub> alkyl group, a C<sub>1</sub>-C<sub>6</sub> haloalkyl group, a C<sub>1</sub>-C<sub>6</sub> alkoxy group, a C<sub>1</sub>-C<sub>6</sub> haloalkoxy group, a C<sub>1</sub>-C<sub>6</sub> alkoxy carbonyl group, a heterocycloalkyloxy group, or  $-(CH_2)_sNR^{d1}R^{d2}$  ( $s$ ,  $R^{d1}$  and  $R^{d2}$  have the same definition as given in Claim 1.).

[Claim 85]

The heteroaromatic amide derivative or salt thereof according to Claim 41, wherein in the general formula (I-E2),

$X^1-X^2$  is N-C,

$Y^1$ ,  $Y^2$ ,  $Y^3$  and  $Y^4$  together form

$-CH_2CR^{4a}HOCH_2-$ ,  $-CH_2CR^{4a}HCH_2CH_2-$ ,  $-CH_2CR^{4a}R^{4b}CH_2CH_2-$ ,

$-CH_2CH_2NR^{4c}CH_2-$ ,  $-CH_2CR^{4a}HNR^{4c}CH_2-$ , or  $-CH_2CR^{4a}HNHCH_2-$  ( $R^{4a}$ ,  $R^{4b}$  and  $R^{4c}$  have the same definition as given in Claim 1.),

(with a proviso that ring C is not a phenyl ring when  $Y^1$ ,  $Y^2$ ,  $Y^3$  and  $Y^4$  together form  $-CH_2CR^{4a}HCH_2CH_2-$ ,  $R^2$  is a hydrogen atom,  $R^{4a}$  is a group represented by the general formula (I-B), and  $L^2$  is a single bond.).

[Claim 96]

The heteroaromatic amide derivative or salt thereof according to Claim 41 or 85, wherein in the general formula (I-E2),

$Z^2-Z^3$  is  $-CH_2O-$ ,

$R^{6a}$ ,  $R^{6b}$ , and  $R^{11c}$  are each a hydrogen atom,

$R^{11a}$  is a hydrogen atom or a halogen atom.

[Claim 107]

The heteroaromatic amide derivative or salt thereof according to any one of Claims 41, 85 and 96, wherein in the general formula (I-E2),

$X^1-X^2$  is N-C,

$Y^1$ ,  $Y^2$ ,  $Y^3$  and  $Y^4$  together form

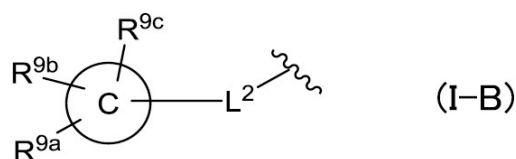
$-CH_2CR^{4a}HOCH_2-$ ,  $-CH_2CR^{4a}HCH_2CH_2-$ ,  $-CH_2CH_2NR^{4c}CH_2-$ ,

$-CH_2CR^{4a}HNR^{4c}CH_2-$ , or  $-CH_2CR^{4a}HNHCH_2-$ ,

$R^{4a}$  and  $R^{4c}$ , each independently, are a halogen atom, a hydroxy group, a cyano group, a C<sub>1</sub>-C<sub>6</sub> alkyl group, a C<sub>1</sub>-C<sub>6</sub> alkyl group optionally substituted by a hydroxy group, a C<sub>1</sub>-C<sub>6</sub> haloalkyl group, a C<sub>1</sub>-C<sub>6</sub> haloalkyl group optionally substituted by a hydroxy group, a C<sub>1</sub>-C<sub>6</sub> alkoxy group, a C<sub>1</sub>-C<sub>6</sub> haloalkoxy group, a C<sub>1</sub>-C<sub>4</sub> alkoxy-C<sub>1</sub>-C<sub>4</sub> alkyl group optionally substituted by a C<sub>1</sub>-C<sub>4</sub> haloalkoxy group, a C<sub>1</sub>-C<sub>4</sub> haloalkoxy-C<sub>1</sub>-C<sub>4</sub> alkyl group, a C<sub>1</sub>-C<sub>4</sub> alkoxy-C<sub>1</sub>-C<sub>4</sub> haloalkyl group, a C<sub>1</sub>-C<sub>4</sub> haloalkoxy-C<sub>1</sub>-C<sub>4</sub> haloalkyl group, a C<sub>1</sub>-C<sub>6</sub> alkyl carbonyl group,

a C<sub>1</sub>-C<sub>6</sub> alkoxy carbonyl group, a C<sub>1</sub>-C<sub>6</sub> haloalkyl carbonyl group, a C<sub>3</sub>-C<sub>7</sub> cycloalkyl group, a C<sub>3</sub>-C<sub>7</sub> cycloalkyl group optionally substituted by a halogen atom or a C<sub>1</sub>-C<sub>4</sub> haloalkyl group, a heterocycloalkyl group, a C<sub>2</sub>-C<sub>6</sub> alkenyl group, a C<sub>2</sub>-C<sub>6</sub> alkenyloxy group, a C<sub>2</sub>-C<sub>6</sub> alkenyloxy-C<sub>1</sub>-C<sub>4</sub> alkyl group, a C<sub>2</sub>-C<sub>6</sub> alkenyloxy-C<sub>1</sub>-C<sub>4</sub> alkyl group optionally substituted by a halogen atom, a C<sub>2</sub>-C<sub>6</sub> alkynyl group, a C<sub>2</sub>-C<sub>6</sub> alkynyl group optionally substituted by a halogen atom or a methoxy group, a C<sub>2</sub>-C<sub>6</sub> alkynyloxy-C<sub>1</sub>-C<sub>4</sub> alkyl group, a C<sub>1</sub>-C<sub>4</sub> haloalkoxy-C<sub>1</sub>-C<sub>4</sub> alkoxy group, a C<sub>1</sub>-C<sub>6</sub> alkylthio group, a C<sub>1</sub>-C<sub>6</sub> haloalkylthio group, a C<sub>1</sub>-C<sub>4</sub> alkylthio-C<sub>1</sub>-C<sub>4</sub> alkyl group, a C<sub>1</sub>-C<sub>4</sub> haloalkylthio-C<sub>1</sub>-C<sub>4</sub> alkyl group,  $-(CH_2)_qNR^{b1}R^{b2}$  (q, R<sup>b1</sup> and R<sup>b2</sup> have the same definition as given in Claim 1.), or the general formula (I-B)

[Chem 87]



{wherein,

ring C is a C<sub>3</sub>-C<sub>7</sub> cycloalkyl, an azetidiny, a pyrrolidinyl, a piperidyl, a piperazinyl, a morpholino, a phenyl, a pyrrolyl, a furyl, a thienyl, an imidazolyl, a pyrazolyl, an oxazolyl, a thiazolyl, a triazolyl, a pyridyl, a pyrazinyl, a pyridazinyl, or a pyrimidinyl,

L<sup>2</sup> is a single bond, -CH=CH-, -C≡C-,

$-(CR^{10a}R^{10b})_{r1}(CR^{10c}R^{10d})_{r2}(CR^{10e}R^{10f})_{r3}(CR^{10g}R^{10h})_{r4}-$ ,

$-(CR^{10a}R^{10b})_{r1}(CR^{10c}R^{10d})_{r2}O(CR^{10e}R^{10f})_{r3}(CR^{10g}R^{10h})_{r4}-$ ,

$-(CR^{10a}R^{10b})_{r1}(CR^{10c}R^{10d})_{r2}NR^c(CR^{10e}R^{10f})_{r3}(CR^{10g}R^{10h})_{r4}-$ ,

$-(CR^{10a}R^{10b})_{r1}(CR^{10c}R^{10d})_{r2}CO(CR^{10e}R^{10f})_{r3}(CR^{10g}R^{10h})_{r4}-$ ,

$-(CR^{10a}R^{10b})_{r1}(CR^{10c}R^{10d})_{r2}S(CR^{10e}R^{10f})_{r3}(CR^{10g}R^{10h})_{r4}-$ , or

$-(CR^{10a}R^{10b})_{r1}(CR^{10c}R^{10d})_{r2}SO(CR^{10e}R^{10f})_{r3}(CR^{10g}R^{10h})_{r4}-$  (R<sup>10a</sup>, R<sup>10b</sup>, R<sup>10c</sup>, R<sup>10d</sup>, R<sup>10e</sup>, R<sup>10f</sup>, R<sup>10g</sup>, R<sup>10h</sup>, r<sub>1</sub>, r<sub>2</sub>, r<sub>3</sub>, r<sub>4</sub> and R<sup>c</sup> have the same definition as given in Claim 1.),

R<sup>9a</sup>, R<sup>9b</sup> and R<sup>9c</sup> are, independently each other, a hydrogen atom, a halogen atom, a hydroxy group, a cyano group, a C<sub>1</sub>-C<sub>6</sub> alkyl group, a C<sub>1</sub>-C<sub>6</sub> haloalkyl group, a C<sub>1</sub>-C<sub>6</sub> alkoxy group, a C<sub>1</sub>-C<sub>6</sub> haloalkoxy group, a C<sub>1</sub>-C<sub>6</sub> alkoxy carbonyl group, a heterocycloalkyloxy group, or  $-(CH_2)_sNR^{d1}R^{d2}$  (s, R<sup>d1</sup> and R<sup>d2</sup> have the same definition as given in Claim 1.).}

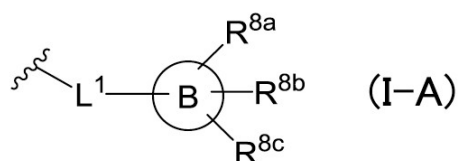
[Claim 118]

The heteroaromatic amide derivative or salt thereof according to any one of Claims 41 to 107, wherein in the general formula (I-E2),

R<sup>11b</sup> is a hydrogen atom, a halogen atom, a cyano group, a cyanomethyl group, a formyl

group, a nitro group, a carboxamide group, a hydroxy group, a C<sub>1</sub>-C<sub>6</sub> alkyl group, a C<sub>1</sub>-C<sub>6</sub> haloalkyl group, a C<sub>1</sub>-C<sub>6</sub> alkoxy group, a C<sub>1</sub>-C<sub>6</sub> haloalkoxy group, a C<sub>1</sub>-C<sub>4</sub> alkoxy-C<sub>1</sub>-C<sub>4</sub> alkyl group, a C<sub>1</sub>-C<sub>4</sub> alkoxy-C<sub>1</sub>-C<sub>4</sub> alkyl group optionally substituted by a dimethylaminocarbonyl group or a dimethylamino group, a C<sub>1</sub>-C<sub>4</sub> haloalkoxy-C<sub>1</sub>-C<sub>4</sub> alkyl group, a C<sub>1</sub>-C<sub>4</sub> alkoxy-C<sub>1</sub>-C<sub>4</sub> haloalkyl group, a C<sub>1</sub>-C<sub>4</sub> haloalkoxy-C<sub>1</sub>-C<sub>4</sub> haloalkyl group, a C<sub>1</sub>-C<sub>6</sub> alkylcarbonyl group, a C<sub>2</sub>-C<sub>6</sub> alkenyl group, a C<sub>2</sub>-C<sub>6</sub> alkynyl group, a C<sub>2</sub>-C<sub>6</sub> alkynyl group optionally substituted by a halogen atom, a C<sub>1</sub>-C<sub>6</sub> alkylthio group, a C<sub>1</sub>-C<sub>6</sub> haloalkylthio group,  $-(CH_2)_pNR^{a1}R^{a2}$  (p, R<sup>a1</sup> and R<sup>a2</sup> have the same definition given in Claim 1.), or a group represented by the general formula (I-A)

[Chem 98]



{wherein,

ring B is a C<sub>3</sub>-C<sub>7</sub> cycloalkyl, an azetidiny, a pyrrolidinyl, a piperidyl, a piperazinyl, a morpholino, a phenyl, a pyrrolyl, a furyl, a thienyl, an imidazolyl, a pyrazolyl, an oxazolyl, an isoxazolyl, a thiazolyl, an isothiazolyl, a triazolyl, a tetrazolyl, a pyridyl, a pyrazinyl, a pyridazinyl, or a pyrimidinyl,

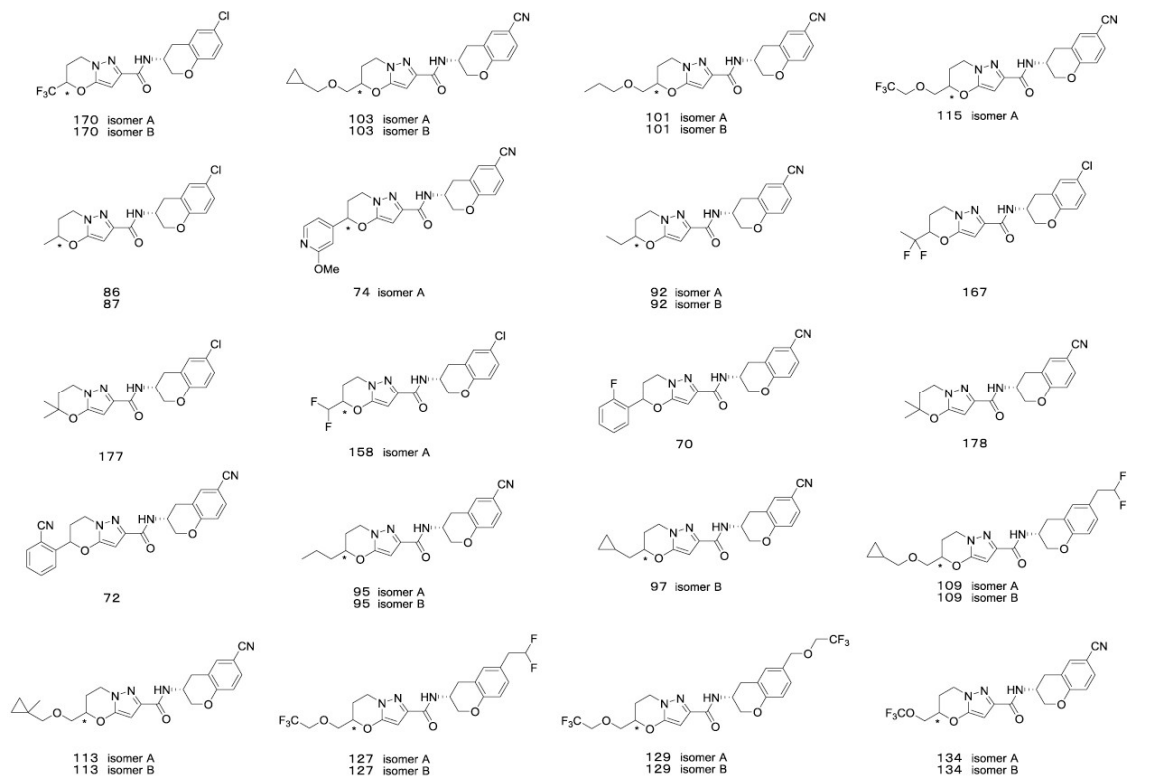
L<sup>1</sup> is a single bond, -CH<sub>2</sub>-, -CH<sub>2</sub>O-, -OCH<sub>2</sub>-, -CH<sub>2</sub>CH<sub>2</sub>-, or -CH<sub>2</sub>OCH<sub>2</sub>-,

R<sup>8a</sup>, R<sup>8b</sup> and R<sup>8c</sup> are, independently each other, a hydrogen atom, a halogen atom, a cyano group, a C<sub>1</sub>-C<sub>6</sub> alkyl group, a C<sub>1</sub>-C<sub>6</sub> haloalkyl group, a C<sub>1</sub>-C<sub>6</sub> alkoxy group, a C<sub>1</sub>-C<sub>6</sub> haloalkoxy group, a C<sub>3</sub>-C<sub>7</sub> cycloalkyl group, a C<sub>3</sub>-C<sub>7</sub> cycloalkyloxy group, a heterocycloalkyl group, a heterocycloalkyloxy group, a C<sub>2</sub>-C<sub>6</sub> alkenyl group, or a C<sub>2</sub>-C<sub>6</sub> alkynyl group}.

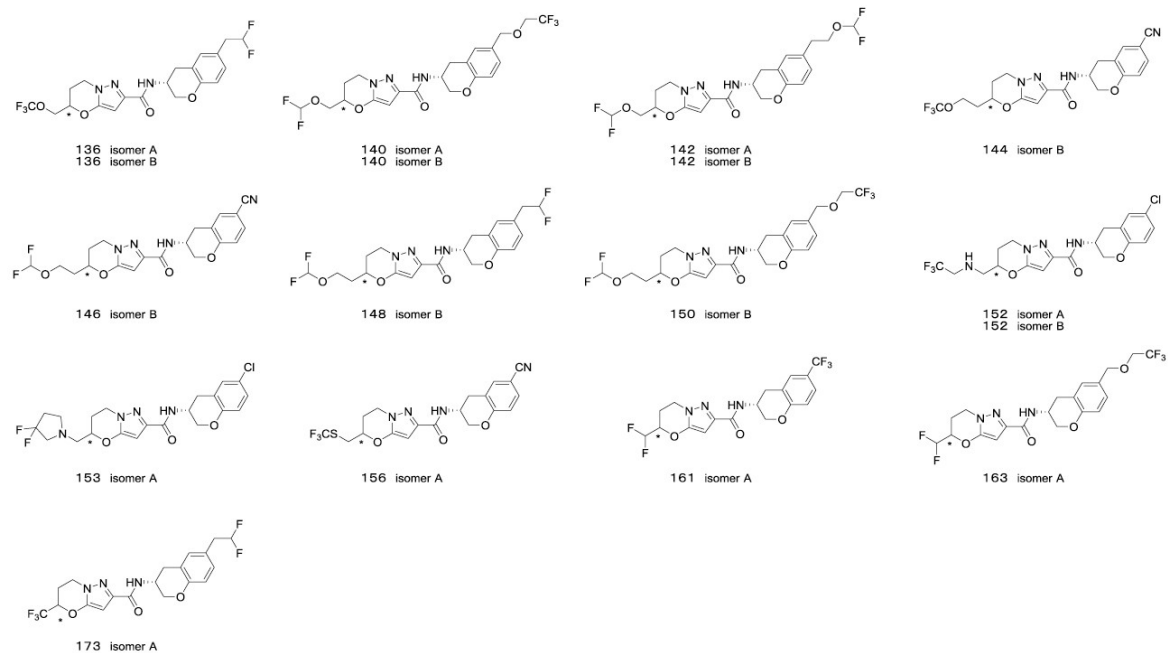
[Claim 129]

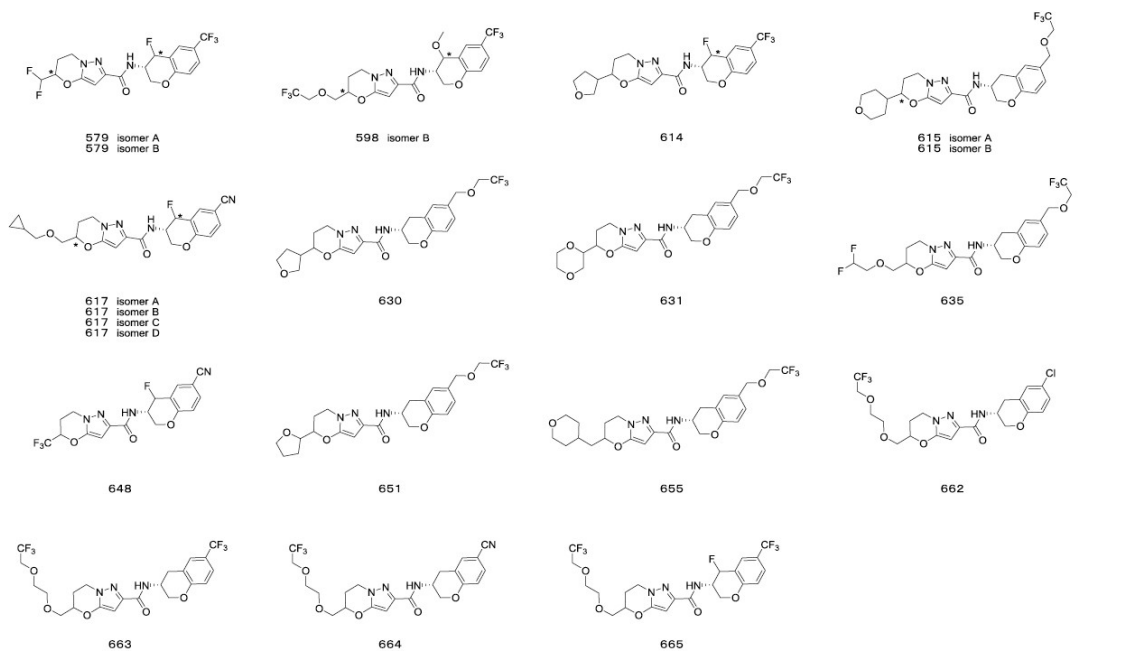
The heteroaromatic amide derivative or salt thereof according to Claim 41, wherein the compound represented by the general formula (I-E2) (the asterisks (\*) in the structural formulae denote that the stereo of the corresponding asymmetric carbon has a single steric structure.) is any one of the following:

[Chem 109]

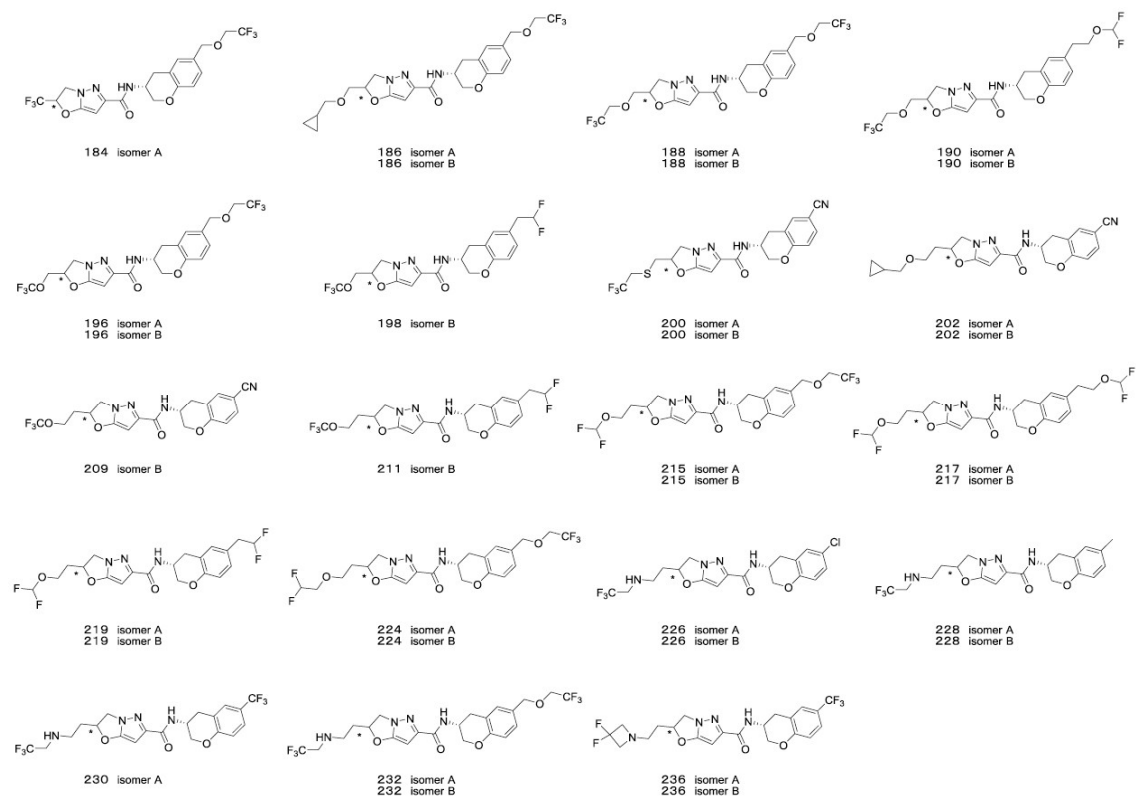


[Chem 4110]

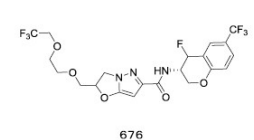
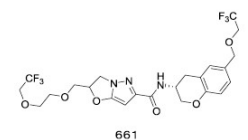
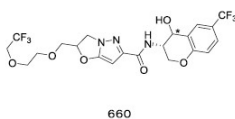
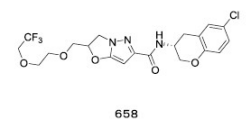
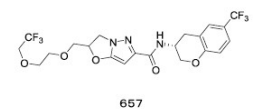
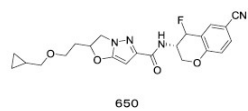
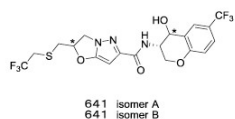
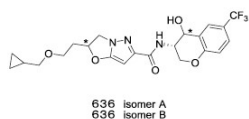
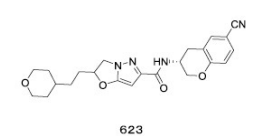
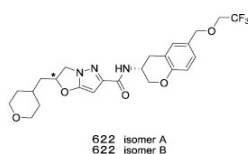
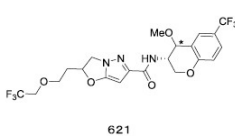
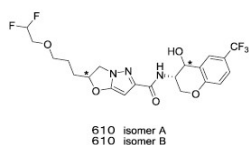
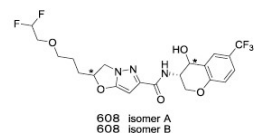
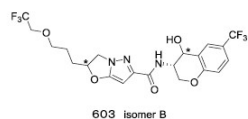
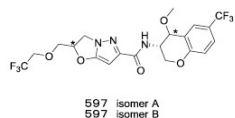
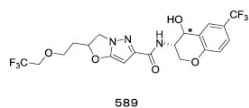
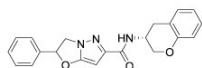
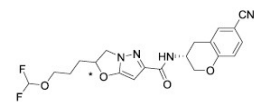
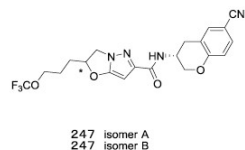
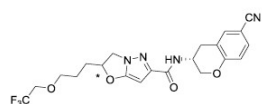
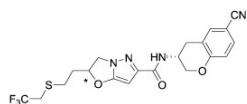




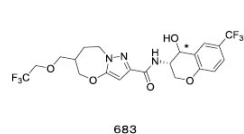
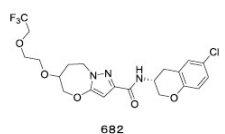
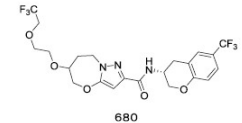
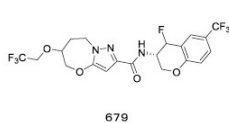
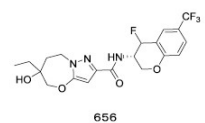
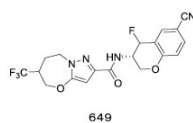
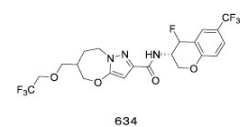
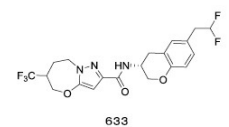
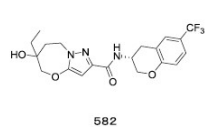
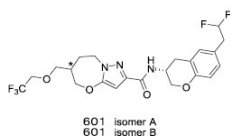
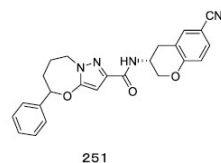
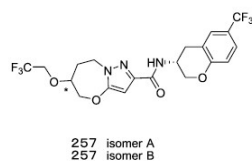
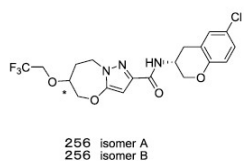
[Chem 1211]



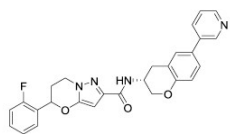
[Chem 1312]



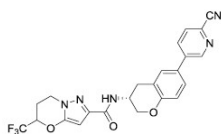
[Chem 1413]



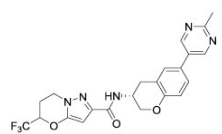
[Chem 1514]



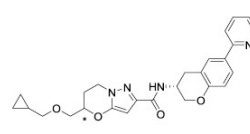
81



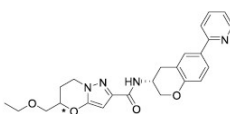
174



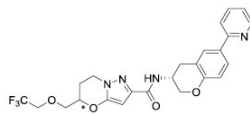
175



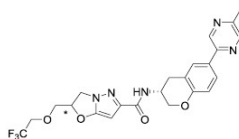
111 isomer A  
111 isomer B



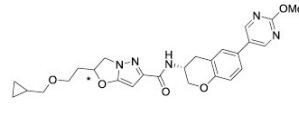
124 isomer A  
124 isomer B



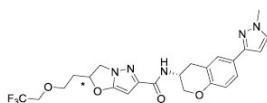
131 isomer A  
131 isomer B



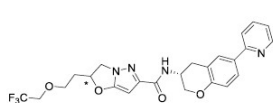
194 isomer B



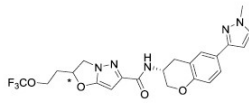
204 isomer A  
204 isomer B



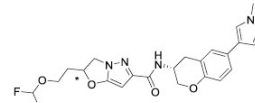
206 isomer B



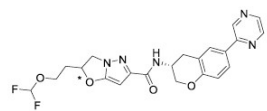
207 isomer B



213 isomer A  
213 isomer B

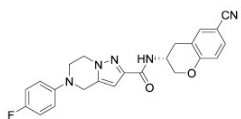


221 isomer A  
221 isomer B

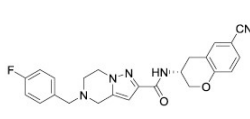


223 isomer B

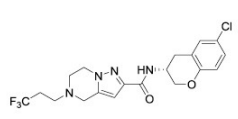
[Chem 1615]



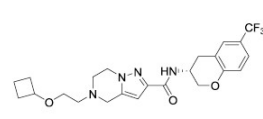
278



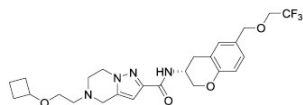
268



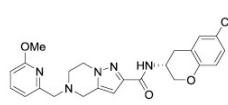
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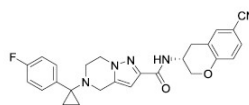
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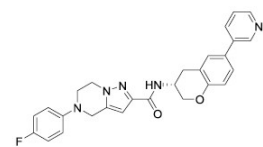
266



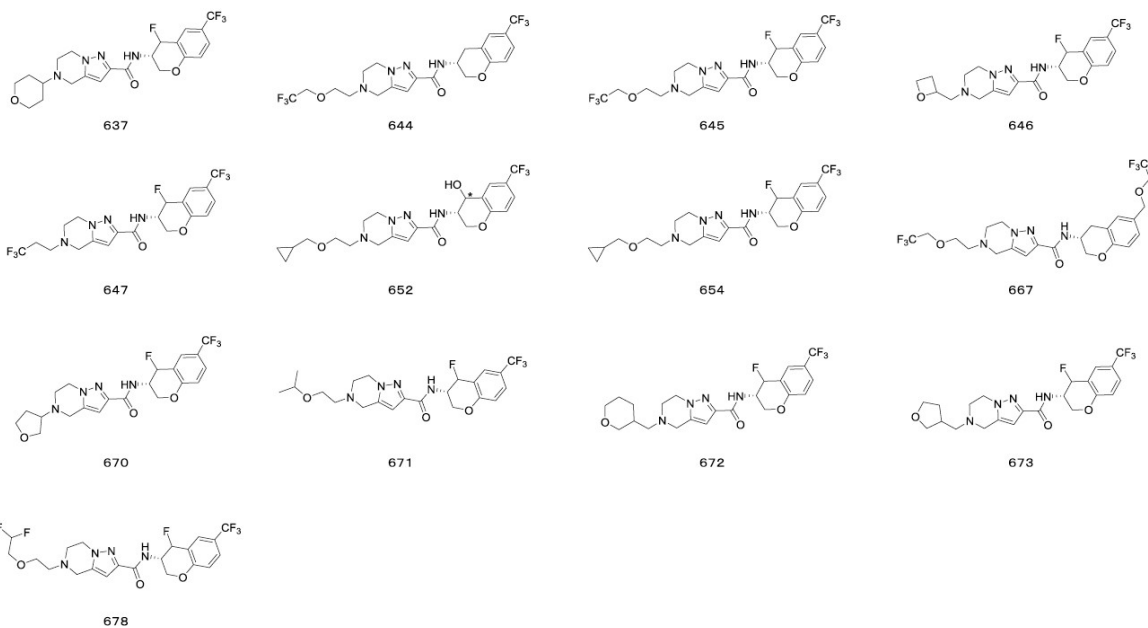
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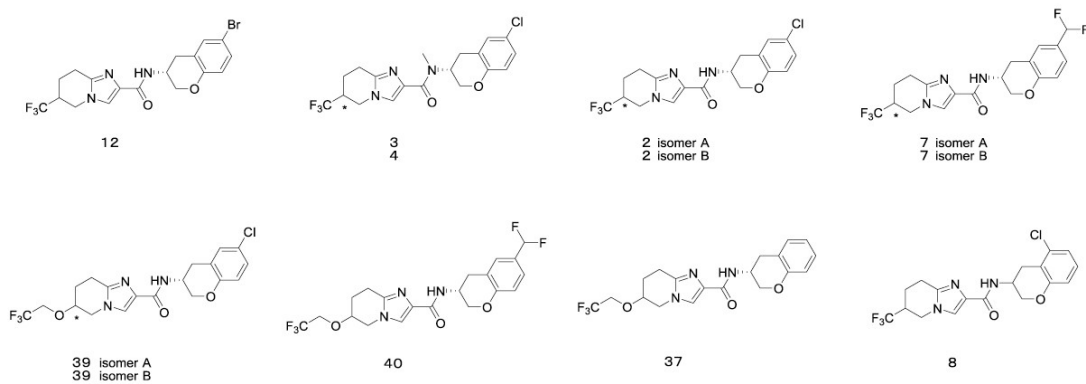
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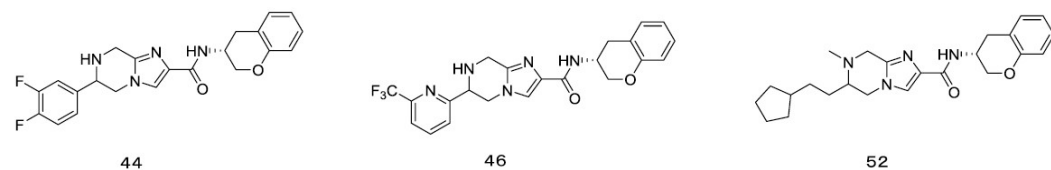
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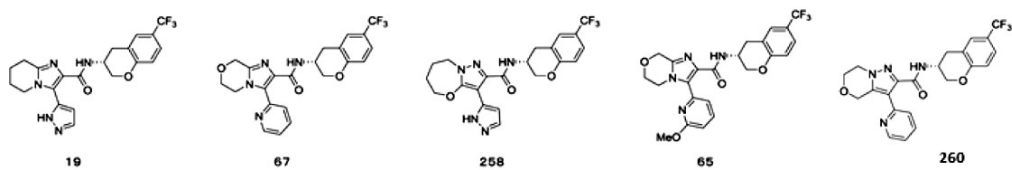
[Chem 1716]



[Chem 1817]



[Chem 1918]



[Claim 1310]

A pharmaceutical composition containing the heteroaromatic amide derivative or salt thereof according to any one of Claims 1 to 129.

[Claim ~~14~~11]

A pharmaceutical composition for use in preventing or treating a disorder associated with voltage-gated sodium channel Nav1.7, containing as an active ingredient the heteroaromatic amide derivative or salt thereof according to any one of Claims 1 to ~~12~~9.

[Claim ~~15~~12]

A preventing or treating agent for use in preventing or treating a disorder with pain, a disorder with pruritus, a disorder associated with autonomic nerves, containing as an active ingredient the heteroaromatic amide derivative or salt thereof according to any one of Claims 1 to ~~12~~9.

[Claim ~~16~~13]

A preventing or treating agent for use in preventing or treating a disorder with pain, containing as an active ingredient the heteroaromatic amide derivative or salt thereof according to any one of Claims 1 to ~~12~~9.

[Claim ~~17~~14]

An analgesic agent containing as an active ingredient the heteroaromatic amide derivative or salt thereof according to any one of Claims 1 to ~~12~~9.

[Claim ~~18~~15]

A preventing or treating agent for use in preventing or treating nociceptive pain or neuropathic pain, containing as an active ingredient the heteroaromatic amide derivative or salt thereof according to any one of Claims 1 to ~~12~~9.

[Claim ~~19~~16]

Use of the heteroaromatic amide derivative or salt thereof according to any one of Claims 1 to ~~12-9~~ for manufacturing a pharmaceutical composition used for preventing or treating pain.

[Claim ~~20~~17]

Use of the heteroaromatic amide derivative or salt thereof according to any one of Claims 1 to ~~12-9~~ for manufacturing an analgesic agent.