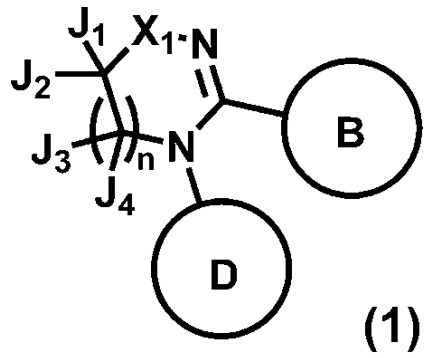
Claims

[Claim 1]

A compound represented by formula (1) or a salt thereof or an N-oxide thereof:

[Formula 1]



wherein

X_1 represents an oxygen atom, a sulfur atom, NY_1, or $C(J_5J_6)$,

n represents 0 or 1,

J_1, J_2, J_3, and J_4 each independently represent

a hydrogen atom,

a halogen atom,

a (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_a,

a halo (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_a,

a (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_a,

a halo (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_a,

a hydroxy group, or

a group selected from the group consisting of

an O atom in a carbonyl group,

a S atom in a thiocarbonyl group,

an imino group substituted with Y_2, and

a methylene group substituted with J_7 and J_8, formed by two bonds of C-J_1 and C-J_2, or C-J_3 and C-J_4 together,

J_5 and J_6 each independently represent

a hydrogen atom,

a halogen atom,

a (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_a,

a halo (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_a, or

a group selected from the group consisting of

an O atom in a carbonyl group,

a S atom in a thiocarbonyl group,

an imino group substituted with Y_3, and

a methylene group substituted with J_7 and J_8, formed by two bonds of C-J_5 and C-J_6 together,

J_7 and J_8 each independently represent a group selected from the group consisting of

a hydrogen atom,

a halogen atom,

a (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_a,

a halo (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_a,

a (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_a,

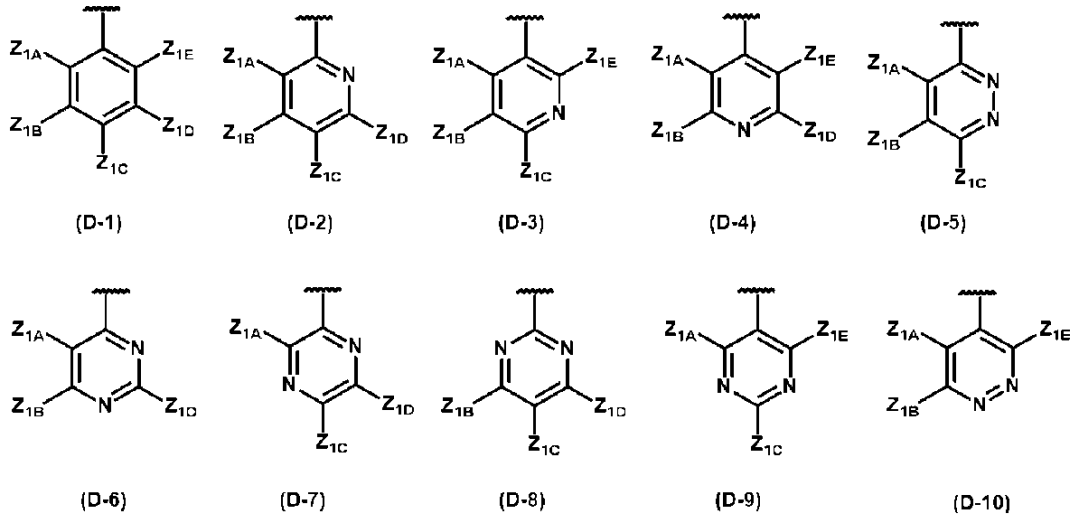
a halo (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_a,

an amino group optionally substituted with one or two (C_1 to C_6) alkyl groups and/or halo (C_1 to C_6) alkyl groups, and

a hydroxy group,

D is one selected from the group consisting of D-1, D-2, D-3, D-4, D-5, D-6, D-7, D-8, D-9, and D-10, and pyrazol-5-yl, and thiazol-2-yl

[Formula 5]



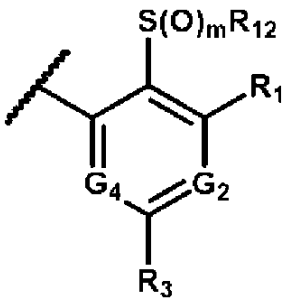
wherein

Z_{1A}, Z_{1B}, Z_{1C}, Z_{1D}, and Z_{1E} are each independently a group selected from the group consisting of a hydrogen atom, a halogen atom, a (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_2, a (C_3 to C_6) cycloalkyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_3 to

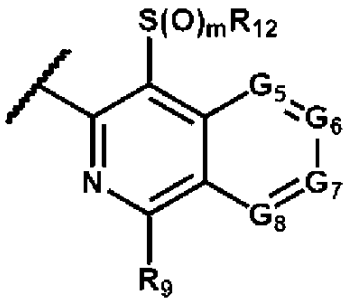
C_6) cycloalkyl group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_2, a (C_2 to C_6) alkenyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_2 to C_6) alkenyl group unsubstituted or arbitrarily substituted with T_2, a (C_2 to C_6) alkenyloxy group unsubstituted or arbitrarily substituted with T_2, a halo (C_2 to C_6) alkenyloxy group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkylthio group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkylthio group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkylsulfinyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkylsulfinyl group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkylsulfonyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkylsulfonyl group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkylcarbonyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkylcarbonyl group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkoxycarbonyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkoxycarbonyl group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkylcarbonyloxy group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkylcarbonyloxy group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkoxycarbonyloxy group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkoxycarbonyloxy group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkylsulfonyloxy group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkylsulfonyloxy group unsubstituted or arbitrarily substituted with T_2, an NY_4Y_5 group, a $C(O)NY_4Y_5$ group, a cyano group, a nitro group, a hydroxy group, a mercapto group, a formyl group, a carboxy group, and an SF_5 group.

B is a structure represented by B-1, B-2, B-3, B-4, B-5, B-6, or B-8

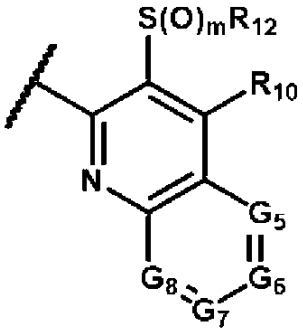
[Formula 2]



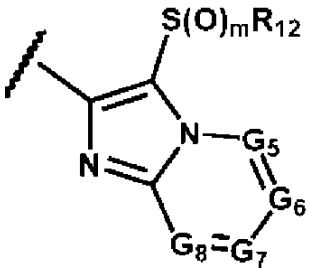
(B-1)



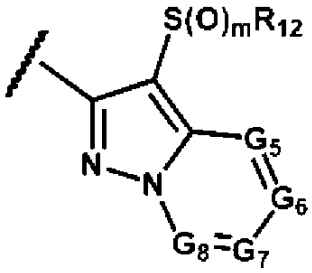
(B-2)



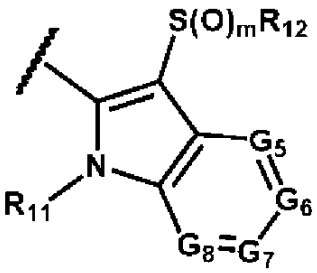
(B-3)



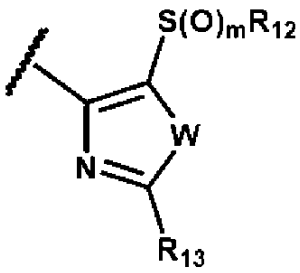
(B-4)



(B-5)



(B-6)



(B-8)

R_{12} represents a group selected from the group consisting of

a (C_1 to C_6) alkyl group,

a halo (C_1 to C_6) alkyl group,

a (C_3 to C_6) cycloalkyl group,

a halo (C_3 to C_6) cycloalkyl group,

a (C_1 to C_6) alkoxy group,

a halo (C_1 to C_6) alkoxy group, and

an NY_aY_b group,

m represents 0, 1, or 2,

Y_a and Y_b each independently represent a group selected from the group consisting of

a hydrogen atom,

a (C_1 to C_6) alkyl group,

a halo (C_1 to C_6) alkyl group,

a (C_3 to C_6) cycloalkyl group,

a halo (C_3 to C_6) cycloalkyl group,

a (C_1 to C_6) alkoxy group,

a halo (C_1 to C_6) alkoxy group,

a (C_1 to C_6) alkenyl group, and

a halo (C_1 to C_6) alkenyl group, or

a group forming an aliphatic 3- to 10-membered cyclic amino group or cyclic amide group unsubstituted or optionally substituted with one or more halogen atoms or (C_1 to C_6) alkyl groups, formed by connecting Y_a and Y_b to each other,

provided that when R_{12} is an NY_aY_b group, m represents 1 or 2,

G_2 represents a nitrogen atom or $C(R_2)$,

G_4 represents a nitrogen atom or $C(R_4)$,

provided that either or both of G_2 and G_4 is/are a nitrogen atom(s),

G_5 represents a nitrogen atom or $C(R_5)$,

G_6 represents a nitrogen atom or $C(R_6)$,

G_7 represents a nitrogen atom or $C(R_7)$,

G_8 represents a nitrogen atom or $C(R_8)$,

R_1, R_2, R_3, R_4, R_5, R_6, R_7, R_8, and R_{13} each independently represent a group selected from the group consisting of

a hydrogen atom,

a halogen atom,

a (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_1,

a halo (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_1,

a (C_3 to C_6) cycloalkyl group unsubstituted or arbitrarily substituted with T_1,

a halo (C_3 to C_6) cycloalkyl group unsubstituted or arbitrarily substituted with T_1,

a (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_1,

a halo (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_1,

a (C_2 to C_6) alkenyl group unsubstituted or arbitrarily substituted with T_1,

a halo (C_2 to C_6) alkenyl group unsubstituted or arbitrarily substituted with T_1,

a (C_2 to C_6) alkynyl group unsubstituted or arbitrarily substituted with T_1,

a halo (C_2 to C_6) alkynyl group unsubstituted or arbitrarily substituted with T_1,
a (C_2 to C_6) alkenyloxy group unsubstituted or arbitrarily substituted with T_1,
a halo (C_2 to C_6) alkenyloxy group unsubstituted or arbitrarily substituted with T_1,
a (C_1 to C_6) alkylthio group unsubstituted or arbitrarily substituted with T_1,
a halo (C_1 to C_6) alkylthio group unsubstituted or arbitrarily substituted with T_1,
a (C_1 to C_6) alkylsulfinyl group unsubstituted or arbitrarily substituted with T_1,
a halo (C_1 to C_6) alkylsulfinyl group unsubstituted or arbitrarily substituted with T_1,
a (C_1 to C_6) alkylsulfonyl group unsubstituted or arbitrarily substituted with T_1,
a halo (C_1 to C_6) alkylsulfonyl group unsubstituted or arbitrarily substituted with T_1,
a (C_1 to C_6) alkylcarbonyl group unsubstituted or arbitrarily substituted with T_1,
a halo (C_1 to C_6) alkylcarbonyl group unsubstituted or arbitrarily substituted with T_1,
a (C_1 to C_6) alkylcarbonyloxy group unsubstituted or arbitrarily substituted with T_1,
a halo (C_1 to C_6) alkylcarbonyloxy group unsubstituted or arbitrarily substituted with T_1,
a (C_1 to C_6) alkoxycarbonyl group unsubstituted or arbitrarily substituted with T_1,
a halo (C_1 to C_6) alkoxycarbonyl group unsubstituted or arbitrarily substituted with T_1,
a (C_1 to C_6) alkoxycarbonyloxy group unsubstituted or arbitrarily substituted with T_1,
a halo (C_1 to C_6) alkoxycarbonyloxy group unsubstituted or arbitrarily substituted with T_1,
a (C_1 to C_6) alkylsulfonyloxy group unsubstituted or arbitrarily substituted with T_1,
a halo (C_1 to C_6) alkylsulfonyloxy group unsubstituted or arbitrarily substituted with T_1,
a phenyl group unsubstituted or arbitrarily substituted with Z_2,
a heterocyclic group unsubstituted or arbitrarily substituted with Z_2,
a phenoxy group unsubstituted or arbitrarily substituted with Z_2,
a pyridyloxy group unsubstituted or arbitrarily substituted with Z_2,
an NY_4Y_5 group,

a $C(O)NY_4Y_5$ groups,

a $CH=NY_6$ groups,

a cyano group,

a nitro group,

a hydroxy group,

a mercapto group,

a formyl group,

a carboxy group, and

an SF_5 group,

R_9 and R_{10} each independently represent a group selected from the group consisting of

a hydrogen atom,

a halogen atom,

a (C_1 to C_6) alkyl group,

a halo (C_1 to C_6) alkyl group,

a (C_3 to C_6) cycloalkyl group,

a halo (C_3 to C_6) cycloalkyl group,

a (C_1 to C_6) alkoxy group,

a halo (C_1 to C_6) alkoxy group,

an NY_4Y_5 group,

a $C(O)NY_4Y_5$ group,

a cyano group,

a nitro group,

a hydroxy group,

a (C_1 to C_6) alkylcarbonyloxy group,

a halo (C_1 to C_6) alkylcarbonyloxy group,

a (C_1 to C_6) alkoxycarbonyloxy group, and

a halo (C_1 to C_6) alkoxycarbonyloxy group,

R_{11} represents a group selected from the group consisting of

a hydrogen atom,

a (C_1 to C_6) alkyl group,

a halo (C_1 to C_6) alkyl group,

a (C_3 to C_6) cycloalkyl group,

a halo (C_3 to C_6) cycloalkyl group,

a (C_1 to C_6) alkoxy group,

a halo (C_1 to C_6) alkoxy group,

a (C_1 to C_6) alkylcarbonyl group,

a halo (C_1 to C_6) alkylcarbonyl group,

a (C_4 to C_7) cycloalkylcarbonyl group, and

a halo (C_4 to C_7) cycloalkylcarbonyl group,

Z_1 and Z_2 each independently represent a group selected from the group consisting of

a halogen atom,

a (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_2,

a halo (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_2,

a (C_3 to C_6) cycloalkyl group unsubstituted or arbitrarily substituted with T_2,

a halo (C_3 to C_6) cycloalkyl group unsubstituted or arbitrarily substituted with T_2,

a (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_2,

a halo (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_2,

a (C_2 to C_6) alkenyl group unsubstituted or arbitrarily substituted with T_2,

a halo (C_2 to C_6) alkenyl group unsubstituted or arbitrarily substituted with T_2,

a (C_2 to C_6) alkenyloxy group unsubstituted or arbitrarily substituted with T_2,

a halo (C_2 to C_6) alkenyloxy group unsubstituted or arbitrarily substituted with T_2,

a (C_1 to C_6) alkylthio group unsubstituted or arbitrarily substituted with T_2,

a halo (C_1 to C_6) alkylthio group unsubstituted or arbitrarily substituted with T_2,

a (C_1 to C_6) alkylsulfinyl group unsubstituted or arbitrarily substituted with T_2,

a halo (C_1 to C_6) alkylsulfinyl group unsubstituted or arbitrarily substituted with T_2,

a (C_1 to C_6) alkylsulfonyl group unsubstituted or arbitrarily substituted with T_2,

a halo (C_1 to C_6) alkylsulfonyl group unsubstituted or arbitrarily substituted with T_2,

a (C_1 to C_6) alkylcarbonyl group unsubstituted or arbitrarily substituted with T_2,

a halo (C_1 to C_6) alkylcarbonyl group unsubstituted or arbitrarily substituted with T_2,

a (C_1 to C_6) alkoxycarbonyl group unsubstituted or arbitrarily substituted with T_2,

a halo (C_1 to C_6) alkoxycarbonyl group that is unsubstituted or arbitrarily substituted with T_2,

a (C_1 to C_6) alkylcarbonyloxy group unsubstituted or arbitrarily substituted with T_2,

a halo (C_1 to C_6) alkylcarbonyloxy group unsubstituted or arbitrarily substituted

with T_2,

a (C_1 to C_6) alkoxycarbonyloxy group unsubstituted or arbitrarily substituted with T_2,

a halo (C_1 to C_6) alkoxycarbonyloxy group unsubstituted or arbitrarily substituted with T_2,

a (C_1 to C_6) alkylsulfonyloxy group unsubstituted or arbitrarily substituted with T_2,

a halo (C_1 to C_6) alkylsulfonyloxy group unsubstituted or arbitrarily substituted with T_2,

an NY_4Y_5 group,

a $C(O)NY_4Y_5$ group,

a cyano group,

a nitro group,

a hydroxy group,

a mercapto group,

a formyl group,

a carboxy group,

an SF_5 group,

or

a group forming a 5- or 6-membered alicyclic ring unsubstituted or optionally substituted with one or more halogen atoms or (C_1 to C_6) alkyl groups, formed by connecting two adjacent Z_1 or two adjacent Z_2 to each other, or a group forming a 1,3-dioxole group or a 1,4-dioxin group formed by two adjacent Z_1 or two adjacent Z_2 together with a carbon atom to which the two Z_1 or the two Z_2 are attached, wherein the 1,3-dioxole group and the 1,4-dioxin group are optionally substituted with one or two or more independent halogen atoms,

Y_1, Y_2, and Y_3 each independently represent a group selected from the group consisting of

a hydrogen atom,

a (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_3,

a halo (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_3,

a (C_3 to C_6) cycloalkyl group unsubstituted or arbitrarily substituted with T_3,

a halo (C_3 to C_6) cycloalkyl group unsubstituted or arbitrarily substituted with T_3,

a (C_2 to C_6) alkenyl group unsubstituted or arbitrarily substituted with T_3,

a halo (C_2 to C_6) alkenyl group unsubstituted or arbitrarily substituted with T_3,

a (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_3,

a halo (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_3,

a (C_1 to C_6) alkylcarbonyl group unsubstituted or arbitrarily substituted with T_3,

a halo (C_1 to C_6) alkylcarbonyl group unsubstituted or arbitrarily substituted with T_3,

a (C_3 to C_6) cycloalkylcarbonyl group unsubstituted or arbitrarily substituted with T_3,

a halo (C_3 to C_6) cycloalkylcarbonyl group unsubstituted or arbitrarily substituted with T_3,

a (C_1 to C_6) alkoxycarbonyl group unsubstituted or arbitrarily substituted with T_3,

a halo (C_1 to C_6) alkoxycarbonyl group unsubstituted or arbitrarily substituted with T_3,

a (C_1 to C_6) alkylsulfonyl group unsubstituted or arbitrarily substituted with T_3,

a halo (C_1 to C_6) alkylsulfonyl group unsubstituted or arbitrarily substituted with T_3, and

a hydroxy group,

T_a and T_1 each independently represent a group selected from the group consisting of

a (C_3 to C_6) cycloalkyl group,

a halo (C_3 to C_6) cycloalkyl group,

a (C_1 to C_6) alkoxy group,

a halo (C_1 to C_6) alkoxy group,

a (C_1 to C_6) alkylcarbonyl group,

a halo (C_1 to C_6) alkylcarbonyl group,

a (C_1 to C_6) alkoxycarbonyl group,

a halo (C_1 to C_6) alkoxycarbonyl group,

a (C_1 to C_6) alkylthio group,

a halo (C_1 to C_6) alkylthio group,

a (C_1 to C_6) alkylsulfinyl group,

a halo (C_1 to C_6) alkylsulfinyl group,

a (C_1 to C_6) alkylsulfonyl group,

a halo (C_1 to C_6) alkylsulfonyl group,

an NY_4Y_5 group,

a $C(O)NY_4Y_5$ group,

a cyano group,

a nitro group,

a hydroxy group,

a mercapto group,

a formyl group,

a carboxy group,

a phenyl group unsubstituted or arbitrarily substituted with Z_3,

a heterocycle unsubstituted or arbitrarily substituted with Z_3,

a phenoxy group unsubstituted or arbitrarily substituted with Z_3, and

a pyridyloxy group unsubstituted or arbitrarily substituted with Z_3,

T_2 and T_3 each independently represents a group selected from the group consisting of

a (C_3 to C_6) cycloalkyl group,

a halo (C_3 to C_6) cycloalkyl group,

a (C_1 to C_6) alkoxy group,

a halo (C_1 to C_6) alkoxy group,

a (C_1 to C_6) alkylcarbonyl group,

a halo (C_1 to C_6) alkylcarbonyl group,

a (C_1 to C_6) alkoxycarbonyl group,

a halo (C_1 to C_6) alkoxycarbonyl group,

a (C_1 to C_6) alkylthio group,

a halo (C_1 to C_6) alkylthio group,

a (C_1 to C_6) alkylsulfinyl group,

a halo (C_1 to C_6) alkylsulfinyl group,

a (C_1 to C_6) alkylsulfonyl group,

a halo (C_1 to C_6) alkylsulfonyl group,

an NY_4Y_5 group,

a $C(O)NY_4Y_5$ group,

a cyano group,

a nitro group,

a hydroxy group,

a mercapto group,

a formyl group, and

a carboxy group,

Z_3, or when a plurality thereof is present, each independently, represents a group selected from the group consisting of

a halogen atom,

a (C_1 to C_6) alkyl group,

a halo (C_1 to C_6) alkyl group,

a (C_3 to C_6) cycloalkyl group,

a halo (C_3 to C_6) cycloalkyl group,

a 1-cyano-(C_3 to C_6) cycloalkyl group,

a (C_1 to C_6) alkoxy group,

a halo (C_1 to C_6) alkoxy group,

a (C_1 to C_6) alkylthio group,

a halo (C_1 to C_6) alkylthio group,

a (C_1 to C_6) alkylsulfinyl group,

a halo (C_1 to C_6) alkylsulfinyl group,

a (C_1 to C_6) alkylsulfonyl group,

a halo (C_1 to C_6) alkylsulfonyl group,

a (C_1 to C_6) alkylcarbonyl group,

a halo (C_1 to C_6) alkylcarbonyl group,

a (C_1 to C_6) alkoxycarbonyl group,

a halo (C_1 to C_6) alkoxycarbonyl group,

a cyano group,

a nitro group,

a hydroxy group,

a mercapto group,

a formyl group,

a carboxy group, and

an SF_5 group,

Y_4 and Y_5 each independently represent a group selected from the group consisting of

a hydrogen atom,

a (C_1 to C_6) alkyl group,

a halo (C_1 to C_6) alkyl group,

a (C_3 to C_6) cycloalkyl group,

a halo (C_3 to C_6) cycloalkyl group,

a (C_1 to C_6) alkoxy group,

a halo (C_1 to C_6) alkoxy group,

a (C_1 to C_6) alkylcarbonyl group,

a halo (C_1 to C_6) alkylcarbonyl group,

a (C_3 to C_6) cycloalkylcarbonyl group,

a halo (C_3 to C_6) cycloalkylcarbonyl group,

a (C_1 to C_6) alkoxycarbonyl group,

a halo (C_1 to C_6) alkoxycarbonyl group,

a (C_1 to C_6) alkylsulfonyl group,

a halo (C_1 to C_6) alkylsulfonyl group, and

a phenyl group unsubstituted or arbitrarily substituted with Z_3,

Y_6, or when a plurality thereof is present, each independently, represents a group selected from the group consisting of

a hydrogen atom,

a (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_3,

a halo (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_3,

a (C_3 to C_6) cycloalkyl group,

a halo (C_3 to C_6) cycloalkyl group,

a (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with a cyano group,

a halo (C_1 to C_6) alkoxy group,

a (C_3 to C_6) cycloalkoxy group,

a halo (C_3 to C_6) cycloalkoxy group,

a halo (C_2 to C_6) alkenyl group,

a (C_2 to C_6) alkenyloxy group, and

a halo (C_2 to C_6) alkenyloxy group,

W represents an oxygen atom, a sulfur atom, or NY_7, and

Y_7 is a group selected from the group consisting of

a hydrogen atom,

a (C_1 to C_6) alkyl group,

a halo (C_1 to C_6) alkyl group,

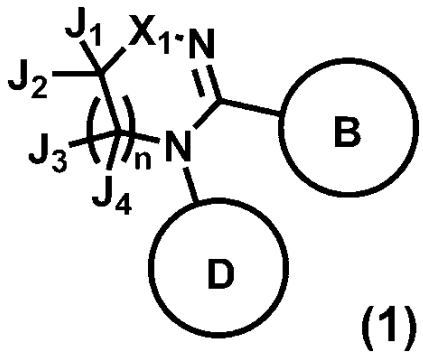
a (C_1 to C_6) alkylcarbonyl group, and

a halo (C_1 to C_6) alkylcarbonyl group.

[Claim 2]

A compound represented by formula (1) or a salt thereof or an N-oxide thereof:

[Formula 3]



(1)

wherein

X_1 represents an oxygen atom, a sulfur atom, NY_1, or $C(J_5J_6)$,

n represents 0 or 1,

J_1, J_2, J_3, and J_4 each independently represent a hydrogen atom, a halogen atom, a (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_a, a halo (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_a, a (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_a, a halo (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_a, a hydroxy group, or

a group selected from the group consisting of an O atom in a carbonyl group, a S atom in a thiocarbonyl group, an imino group substituted with Y_2, and a methylene group substituted with J_7 and J_8, formed by two bonds of C-J_1 and C-J_2, or C-J_3 and C-J_4 together,

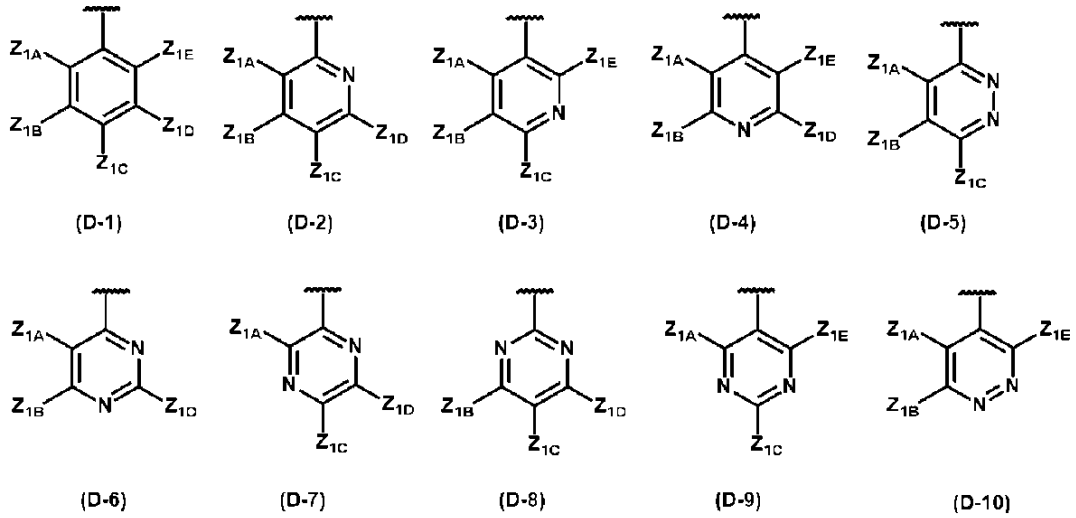
J_5 and J_6 each independently represent a hydrogen atom, a halogen atom, a (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_a, a halo (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_a, or

a group selected from the group consisting of an O atom in a carbonyl group, a S atom in a thiocarbonyl group, an imino group substituted with Y_3, and a methylene group substituted with J_7 and J_8, formed by two bonds of C-J_5 and C-J_6 together,

J_7 and J_8 each independently represent a group selected from the group consisting of a hydrogen atom, a halogen atom, a (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_a, a halo (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_a, a (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_a, a halo (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_a, an amino group optionally substituted with one or two (C_1 to C_6) alkyl groups and/or halo (C_1 to C_6) alkyl groups, and a hydroxy group,

D is one selected from the group consisting of D-1, D-2, D-3, D-4, D-5, D-6, D-7, D-8, D-9, and D-10, and pyrazol-5-yl, and thiazol-2-yl

[Formula 5]



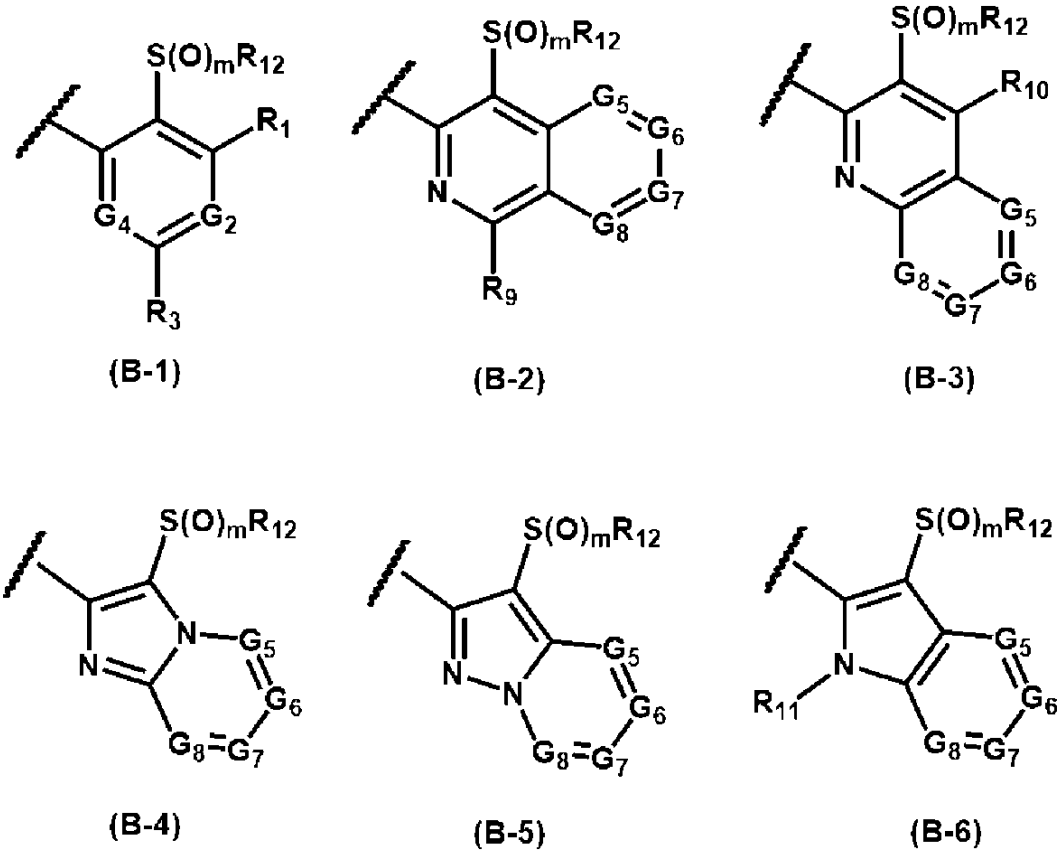
wherein

Z_{1A}, Z_{1B}, Z_{1C}, Z_{1D}, and Z_{1E} are each independently a group selected from the group consisting of a hydrogen atom, a halogen atom, a (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_2, a (C_3 to C_6) cycloalkyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_3 to C_6) cycloalkyl group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_2, a (C_2 to C_6) alkenyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_2 to C_6) alkenyl group unsubstituted or arbitrarily substituted with T_2, a (C_2 to C_6) alkenyloxy group unsubstituted or arbitrarily substituted with T_2, a halo (C_2 to C_6) alkenyloxy group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkylthio group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkylthio group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkylsulfinyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkylsulfinyl group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkylsulfonyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkylsulfonyl group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkylcarbonyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkylcarbonyl group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkoxycarbonyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkoxycarbonyl group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkylcarbonyloxy group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkylcarbonyloxy group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkoxycarbonyloxy group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6)

alkoxycarbonyloxy group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkylsulfonyloxy group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkylsulfonyloxy group unsubstituted or arbitrarily substituted with T_2, an NY_4Y_5 group, a $C(O)NY_4Y_5$ group, a cyano group, a nitro group, a hydroxy group, a mercapto group, a formyl group, a carboxy group, and an SF_5 group.

B is a structure represented by B-1, B-2, B-3, B-4, B-5, or B-6

[Formula 4]



R_{12} represents a group selected from the group consisting of a (C_1 to C_6) alkyl group, a halo (C_1 to C_6) alkyl group, a (C_3 to C_6) cycloalkyl group, and a halo (C_3 to C_6) cycloalkyl group,

m represents 0, 1, or 2,

G_2 represents a nitrogen atom or $C(R_2)$,

G_4 represents a nitrogen atom or $C(R_4)$,

provided that either or both of G_2 and G_4 is/are a nitrogen atom(s),

G_5 represents a nitrogen atom or $C(R_5)$,

G_6 represents a nitrogen atom or $C(R_6)$,

G_7 represents a nitrogen atom or $C(R_7)$,

G_8 represents a nitrogen atom or $C(R_8)$,

R_1, R_2, R_3, R_4, R_5, R_6, R_7, and R_8 each independently represent a group selected from the group consisting of

a hydrogen atom, a halogen atom, a (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_1, a halo (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_1, a (C_3 to C_6) cycloalkyl group unsubstituted or arbitrarily substituted with T_1, a halo (C_3 to C_6) cycloalkyl group unsubstituted or arbitrarily substituted with T_1, a (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_1, a halo (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_1, a (C_2 to C_6) alkenyl group unsubstituted or arbitrarily substituted with T_1, a halo (C_2 to C_6) alkenyl group unsubstituted or arbitrarily substituted with T_1, a (C_2 to C_6) alkynyl group unsubstituted or arbitrarily substituted with T_1, a halo (C_2 to C_6) alkynyl group unsubstituted or arbitrarily substituted with T_1, a (C_2 to C_6) alkenyloxy group unsubstituted or arbitrarily substituted with T_1, a halo (C_2 to C_6) alkenyloxy group unsubstituted or arbitrarily substituted with T_1, a (C_1 to C_6) alkylthio group unsubstituted or arbitrarily substituted with T_1, a halo (C_1 to C_6) alkylthio group unsubstituted or arbitrarily substituted with T_1, a (C_1 to C_6) alkylsulfinyl group unsubstituted or arbitrarily substituted with T_1, a halo (C_1 to C_6) alkylsulfinyl group unsubstituted or arbitrarily substituted with T_1, a (C_1 to C_6) alkylsulfonyl group unsubstituted or arbitrarily substituted with T_1, a halo (C_1 to C_6) alkylsulfonyl group unsubstituted or arbitrarily substituted with T_1, a (C_1 to C_6) alkylcarbonyl group unsubstituted or arbitrarily substituted with T_1, a halo (C_1 to C_6) alkylcarbonyl group unsubstituted or arbitrarily substituted with T_1, a (C_1 to C_6) alkylcarbonyloxy group unsubstituted or arbitrarily substituted with T_1, a halo (C_1 to C_6) alkylcarbonyloxy group unsubstituted or arbitrarily substituted with T_1, a (C_1 to C_6) alkoxycarbonyl group unsubstituted or arbitrarily substituted with T_1, a halo (C_1 to C_6) alkoxycarbonyl group unsubstituted or arbitrarily substituted with T_1, a (C_1 to C_6) alkylsulfonyloxy group unsubstituted or arbitrarily substituted with T_1, a (C_1 to C_6) alkoxycarbonyloxy group unsubstituted or arbitrarily substituted with T_1, a halo (C_1 to C_6) alkoxycarbonyloxy group unsubstituted or arbitrarily substituted with T_1, a halo (C_1 to C_6) alkylsulfonyloxy group unsubstituted or arbitrarily substituted with T_1, a phenyl group unsubstituted or arbitrarily substituted with Z_2, a heterocyclic group unsubstituted or arbitrarily substituted with Z_2, a phenoxy group unsubstituted or arbitrarily substituted with Z_2, a pyridyloxy group unsubstituted or arbitrarily substituted with Z_2, an NY_4Y_5 group, a $C(O)NY_4Y_5$ group, a $CH=NY_6$ group, a cyano group, a nitro group, a hydroxy group, a mercapto group, a formyl group, a carboxy group, and an SF_5 group,

R_9 and R_{10} each independently represent a group selected from the group consisting of

a hydrogen atom, a halogen atom, a (C_1 to C_6) alkyl group, a halo (C_1 to C_6) alkyl

group, a (C_3 to C_6) cycloalkyl group, a halo (C_3 to C_6) cycloalkyl group, a (C_1 to C_6) alkoxy group, a halo (C_1 to C_6) alkoxy group, a (C_1 to C_6) alkylcarbonyloxy group, a halo (C_1 to C_6) alkylcarbonyloxy group, a (C_1 to C_6) alkoxycarbonyloxy group, a halo (C_1 to C_6) alkoxycarbonyloxy group, an NY_4Y_5 group, a $C(O)NY_4Y_5$ group, a cyano group, a nitro group, and a hydroxy group,

R_{11} represents a group selected from the group consisting of a hydrogen atom, a (C_1 to C_6) alkyl group, a halo (C_1 to C_6) alkyl group, a (C_3 to C_6) cycloalkyl group, a halo (C_3 to C_6) cycloalkyl group, a (C_1 to C_6) alkoxy group, a halo (C_1 to C_6) alkoxy group, a (C_1 to C_6) alkylcarbonyl group, a halo (C_1 to C_6) alkylcarbonyl group, a (C_4 to C_7) cycloalkylcarbonyl group, and a halo (C_4 to C_7) cycloalkylcarbonyl group,

Z_1 and Z_2 each independently represent a group selected from the group consisting of a halogen atom, a (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_2, or a halo (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_2, a (C_3 to C_6) cycloalkyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_3 to C_6) cycloalkyl group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_2, a (C_2 to C_6) alkenyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_2 to C_6) alkenyl group unsubstituted or arbitrarily substituted with T_2, a (C_2 to C_6) alkenyloxy group unsubstituted or arbitrarily substituted with T_2, a halo (C_2 to C_6) alkenyloxy group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkylthio group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkylthio group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkylsulfinyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkylsulfinyl group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkylsulfonyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkylsulfonyl group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkylcarbonyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkylcarbonyl group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkoxycarbonyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkoxycarbonyl group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkylcarbonyloxy group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkylcarbonyloxy group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkoxycarbonyloxy group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkoxycarbonyloxy group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkylsulfonyloxy group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkylsulfonyloxy group unsubstituted or arbitrarily substituted with T_2, an NY_4Y_5 group, a

$C(O)NY_4Y_5$ group, a cyano group, a nitro group, a hydroxy group, a mercapto group, a formyl group, a carboxy group, and an SF_5 group, or

a group forming a 5- or 6-membered alicyclic ring unsubstituted or optionally substituted with one or more halogen atoms or (C_1 to C_6) alkyl groups, formed by connecting two adjacent Z_1 or Z_2 to each other, or a group forming a 1,3-dioxole group or a 1,4-dioxin group formed by two adjacent Z_1 or Z_2 together with a carbon atom to which the two Z_1 or Z_2 are attached, wherein the 1,3-dioxole group and the 1,4-dioxin group are optionally substituted with one or two or more independent halogen atoms,

Y_1, Y_2, and Y_3 each independently represent a group selected from the group consisting of a hydrogen atom, a (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_3, a halo (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_3, a (C_3 to C_6) cycloalkyl group unsubstituted or arbitrarily substituted with T_3, a halo (C_3 to C_6) cycloalkyl group unsubstituted or arbitrarily substituted with T_3, a (C_2 to C_6) alkenyl group unsubstituted or arbitrarily substituted with T_3, a halo (C_2 to C_6) alkenyl group unsubstituted or arbitrarily substituted with T_3, a (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_3, a halo (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_3, a (C_1 to C_6) alkylcarbonyl group unsubstituted or arbitrarily substituted with T_3, a halo (C_1 to C_6) alkylcarbonyl group unsubstituted or arbitrarily substituted with T_3, a (C_3 to C_6) cycloalkylcarbonyl group unsubstituted or arbitrarily substituted with T_3, a halo (C_3 to C_6) cycloalkylcarbonyl group unsubstituted or arbitrarily substituted with T_3, a (C_1 to C_6) alkoxycarbonyl group unsubstituted or arbitrarily substituted with T_3, a halo (C_1 to C_6) alkoxycarbonyl group unsubstituted or arbitrarily substituted with T_3, a (C_1 to C_6) alkylsulfonyl group unsubstituted or arbitrarily substituted with T_3, a halo (C_1 to C_6) alkylsulfonyl group unsubstituted or arbitrarily substituted with T_3, and a hydroxy group,

T_a and T_1 each independently represent a group selected from the group consisting of a (C_3 to C_6) cycloalkyl group, a halo (C_3 to C_6) cycloalkyl group, a (C_1 to C_6) alkoxy group, a halo (C_1 to C_6) alkoxy group, a (C_1 to C_6) alkylcarbonyl group, a halo (C_1 to C_6) alkylcarbonyl group, a (C_1 to C_6) alkoxycarbonyl group, a halo (C_1 to C_6) alkoxycarbonyl group, a (C_1 to C_6) alkylthio group, a halo (C_1 to C_6) alkylthio group, a (C_1 to C_6) alkylsulfinyl group, a halo (C_1 to C_6) alkylsulfinyl group, a (C_1 to C_6) alkylsulfonyl group, a halo (C_1 to C_6) alkylsulfonyl group, an NY_4Y_5 group, a $C(O)NY_4Y_5$ group, a cyano group, a nitro group, a hydroxy group, a mercapto group, a formyl group, a carboxy group, a phenyl group unsubstituted or arbitrarily substituted with Z_3, a heterocyclic group unsubstituted or arbitrarily substituted with Z_3, a phenoxy group unsubstituted or arbitrarily substituted with Z_3, and a pyridyloxy group unsubstituted or

arbitrarily substituted with Z_3,

T_2 and T_3 each independently represents a group selected from the group consisting of a (C_3 to C_6) cycloalkyl group, a halo (C_3 to C_6) cycloalkyl group, a (C_1 to C_6) alkoxy group, a halo (C_1 to C_6) alkoxy group, a (C_1 to C_6) alkylcarbonyl group, a halo (C_1 to C_6) alkylcarbonyl group, a (C_1 to C_6) alkoxycarbonyl group, a halo (C_1 to C_6) alkoxycarbonyl group, a (C_1 to C_6) alkylthio group, a halo (C_1 to C_6) alkylthio group, a (C_1 to C_6) alkylsulfinyl group, a halo (C_1 to C_6) alkylsulfinyl group, a (C_1 to C_6) alkylsulfonyl group, a halo (C_1 to C_6) alkylsulfonyl group, an NY_4Y_5 group, a $C(O)NY_4Y_5$ group, a cyano group, a nitro group, a hydroxy group, a mercapto group, a formyl group, and a carboxy group,

Z_3, or when a plurality thereof is present, each independently, represents a group selected from the group consisting of a halogen atom, a (C_1 to C_6) alkyl group, a halo (C_1 to C_6) alkyl group, a (C_3 to C_6) cycloalkyl group, a halo (C_3 to C_6) cycloalkyl group, a 1-cyano-(C_3 to C_6) cycloalkyl group, a (C_1 to C_6) alkoxy group, a halo (C_1 to C_6) alkoxy group, a (C_1 to C_6) alkylthio group, a halo (C_1 to C_6) alkylthio group, a (C_1 to C_6) alkylsulfinyl group, a halo (C_1 to C_6) alkylsulfinyl group, a (C_1 to C_6) alkylsulfonyl group, a halo (C_1 to C_6) alkylsulfonyl group, a (C_1 to C_6) alkylcarbonyl group, a halo (C_1 to C_6) alkylcarbonyl group, a (C_1 to C_6) alkoxycarbonyl group, a halo (C_1 to C_6) alkoxycarbonyl group, a cyano group, a nitro group, a hydroxy group, a mercapto group, a formyl group, a carboxy group, and an SF_5 group,

Y_4 and Y_5 each independently represent a group selected from the group consisting of a hydrogen atom, a (C_1 to C_6) alkyl group, a halo (C_1 to C_6) alkyl group, a (C_3 to C_6) cycloalkyl group, a halo (C_3 to C_6) cycloalkyl group, a (C_1 to C_6) alkoxy group, a halo (C_1 to C_6) alkoxy group, a (C_1 to C_6) alkylcarbonyl group, a halo (C_1 to C_6) alkylcarbonyl group, a (C_3 to C_6) cycloalkylcarbonyl group, a halo (C_3 to C_6) alkylcarbonyl group, a (C_1 to C_6) alkoxycarbonyl group, a halo (C_1 to C_6) alkoxycarbonyl group, a (C_1 to C_6) alkylsulfonyl group, a halo (C_1 to C_6) alkylsulfonyl group, and a phenyl group unsubstituted or arbitrarily substituted with Z_3, and

Y_6, or when a plurality thereof is present, each independently, represents a group selected from the group consisting of a hydrogen atom, a (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_3, a halo (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_3, a (C_3 to C_6) cycloalkyl group, a halo (C_3 to C_6) cycloalkyl group, a (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with a cyano group, a halo (C_1 to C_6) alkoxy group, a (C_3 to C_6) cycloalkoxy group, a halo (C_3 to C_6) cycloalkoxy group, a (C_2 to C_6) alkenyl group, a halo (C_2 to C_6) alkenyl group, a (C_2 to C_6) alkenyloxy group, and a halo (C_2 to C_6) alkenyloxy group.

[Claim 3]

The compound according to claim 1 or 2 or a salt thereof or an N-oxide thereof, wherein

X_1 is an oxygen atom, a sulfur atom, NY_1, or $C(J_5J_6)$,

two bonds of C-J_5 and C-J_6 are taken together to be a group selected from the group consisting of an O atom in a carbonyl group, a S atom in a thiocarbonyl group, an imino group substituted with Y_3, and a methylene group substituted with J_7 and J_8, and

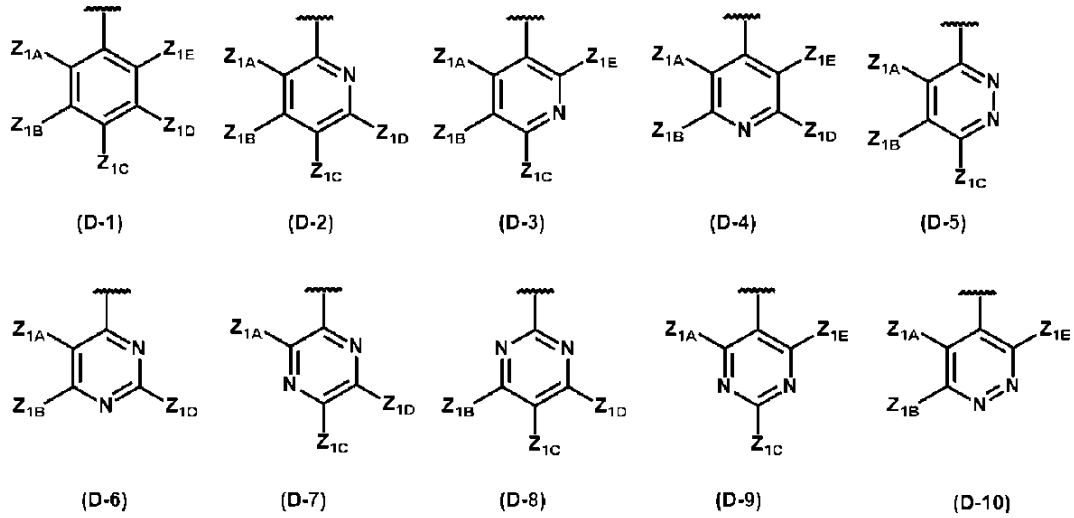
J_7 and J_8 are each independently a group selected from the group consisting of a hydrogen atom, a halogen atom, a (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_a, a (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_a, an amino group optionally substituted with one or two (C_1 to C_6) alkyl groups and/or halo (C_1 to C_6) alkyl groups, and a hydroxy group.

[Claim 4]

The compound according to any one of claims 1 to 3 or a salt thereof or an N-oxide thereof, wherein

D is D-1, D-2, D-3, D-4, D-5, D-6, D-7, D-8, D-9, or D-10

[Formula 5]



wherein

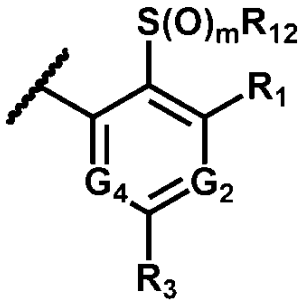
Z_{1A}, Z_{1B}, Z_{1C}, Z_{1D}, and Z_{1E} are each independently a group selected from the group consisting of a hydrogen atom, a halogen atom, a (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkyl group unsubstituted or arbitrarily substituted with T_2, a (C_3 to C_6) cycloalkyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_3 to C_6) cycloalkyl group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkoxy group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkoxy group unsubstituted or arbitrarily

substituted with T_2, a (C_2 to C_6) alkenyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_2 to C_6) alkenyl group unsubstituted or arbitrarily substituted with T_2, a (C_2 to C_6) alkenyloxy group unsubstituted or arbitrarily substituted with T_2, a halo (C_2 to C_6) alkenyloxy group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkylthio group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkylthio group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkylsulfinyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkylsulfinyl group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkylsulfonyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkylsulfonyl group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkylcarbonyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkylcarbonyl group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkoxycarbonyl group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkoxycarbonyl group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkylcarbonyloxy group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkylcarbonyloxy group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkoxycarbonyloxy group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkoxycarbonyloxy group unsubstituted or arbitrarily substituted with T_2, a (C_1 to C_6) alkylsulfonyloxy group unsubstituted or arbitrarily substituted with T_2, a halo (C_1 to C_6) alkylsulfonyloxy group unsubstituted or arbitrarily substituted with T_2, an NY_4Y_5 group, a $C(O)NY_4Y_5$ group, a cyano group, a nitro group, a hydroxy group, a mercapto group, a formyl group, a carboxy group, and an SF_5 group.

[Claim 5]

The compound according to any one of claims 1 to 4 or a salt thereof or an N-oxide thereof, wherein B is a structure represented by B-1.

[Formula 6]



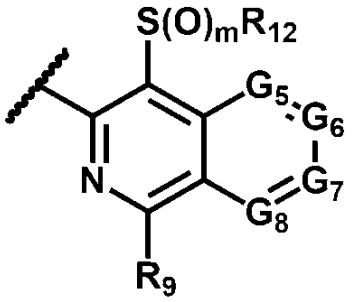
(B-1)

[Claim 6]

The compound according to any one of claims 1 to 4 or a salt thereof or an N-

oxide thereof, wherein B is a structure represented by B-2.

[Formula 7]

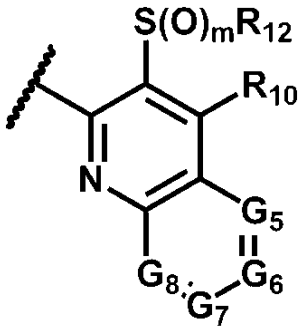


B-2

[Claim 7]

The compound according to any one of claims 1 to 4 or a salt thereof or an N-oxide thereof, wherein B is a structure represented by B-3.

[Formula 8]

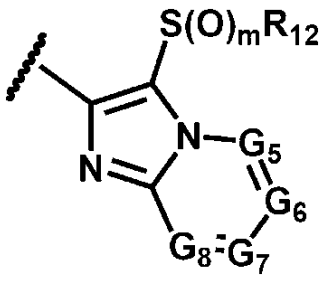


B-3

[Claim 8]

The compound according to any one of claims 1 to 4 or a salt thereof or an N-oxide thereof, wherein B is a structure represented by B-4.

[Formula 9]

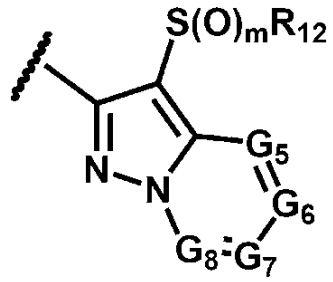


B-4

[Claim 9]

The compound according to any one of claims 1 to 4 or a salt thereof or an N-oxide thereof, wherein B is a structure represented by B-5.

[Formula 10]

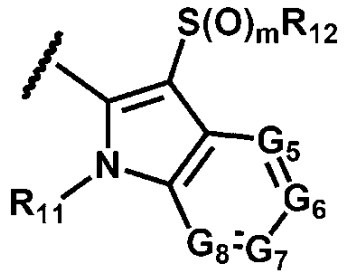


B-5

[Claim 10]

The compound according to any one of claims 1 to 4 or a salt thereof or an N-oxide thereof, wherein B is a structure represented by B-6.

[Formula 11]

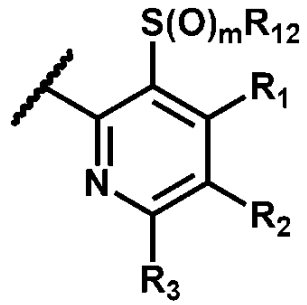


B-6

[Claim 11]

The compound according to any one of claims 1 to 4 or a salt thereof or an N-oxide thereof, wherein B is a structure represented by B-7

[Formula 12]



(B-7)

wherein R_1 is a hydrogen atom.

[Claim 12]

A pest control agent comprising the compound according to any one of claims 1 to 11 or a salt thereof or an N-oxide thereof.