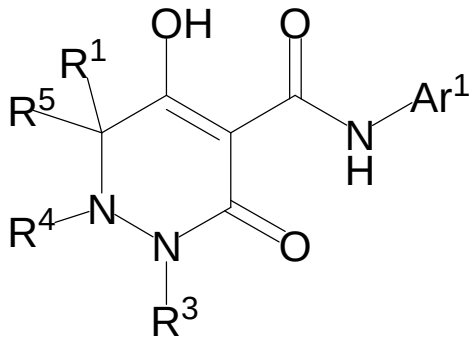
CLAIMS

1. A compound represented by the formula (I) or a salt thereof, or a solvate of the compound or the salt:

[Formula 1]



(I)

wherein R^1, R^4, and R^5 are as defined in any one of the following (1) or (2):

(1) R^1 is a hydrogen atom or C_{1-10} alkyl;

R^4 is a hydrogen atom, C_{1-4} alkyl optionally substituted with one or more substituents Rf, C_{6-10} aryl optionally substituted with one or more substituents Rg, (C_{1-6} alkyl)carbonyl, (C_{6-10} aryl)carbonyl, a group $-C(O)NR^{37}R^{38}$, C_{3-7} cycloalkyl, or 5- to 8-membered heterocycloalkyl; and

R^5 is a hydrogen atom or C_{1-4} alkyl;

(2) R^1 and R^5 together with the carbon atom to which they are attached form a C_{3-6} saturated carbocyclic ring; and

R^4 is as defined above; and

R^3 is C_{1-10} alkyl optionally substituted with one or more substituents Rh, or R^3 is C_{1-4} alkyl substituted with Re;

R^{37} and R^{38} are each independently selected from a hydrogen atom and C_{1-3} alkyl;

each Rh is independently selected from a halogen atom, (C_{1-4} alkoxy)carbonyl, and a group $-(O(CH_2)_a)_b-C_{1-4}$ alkoxy, wherein a is an integer selected from 2 to 4, and b is an integer selected from 1 to 4;

Re is C_{6-10} aryl optionally substituted with one or more substituents Ra, or 5- to 10-membered heteroaryl optionally substituted with one or more substituents Ra;

each Rf is independently selected from a halogen atom, hydroxy, cyano, carboxy, (C_{1-6} alkoxy)carbonyl, C_{1-6} alkoxy, and C_{6-10} aryl optionally substituted with one or more substituents Rg;

each Rg is independently selected from a halogen atom, C_{1-6} alkyl, C_{2-6} alkynyl, and C_{1-6} alkoxy, wherein the alkyl, alkynyl, and alkoxy groups are each optionally substituted with one or more substituents selected from hydroxy and cyano;

each Ra is independently selected from a halogen atom, hydroxy, nitro, cyano, (C_{1-4} alkoxy)carbonyl, 3- to 10-membered heterocycloalkyloxy (the heterocycloalkyloxy group is optionally substituted with optionally C_{1-4} alkoxy-substituted C_{1-4} alkyl), C_{1-10} alkyl optionally substituted with one or more substituents R^{10}, C_{2-10} alkenyl optionally substituted with one or more substituents R^{15}, C_{2-10} alkynyl optionally substituted with one or more substituents R^{11}, C_{1-8} alkoxy optionally substituted with one or more substituents R^{12}, C_{1-4} alkylthio optionally substituted with one or more substituents R^{13}, a group $-(O(CH_2)_{q1})_{q2}-NR^{41}R^{42}$ (wherein q1 is an integer selected from 1 to 4, and q2 is an integer selected from 2 to 6), a group $-(O(CH_2)_{r1})_{r2}-C(O)NR^{43}R^{44}$ (wherein r1 is an integer selected from 1 to 4, and r2 is an integer selected from 1 to 4), a group $-(O(CH_2)_{s1})_{s2}-NR^{45}-C(O)R^{46}$ (wherein s1 and s2 are each independently an integer selected from 2 to 4), a group $-C(O)NR^{47}R^{48}$, pyridinyl, pyrrolyl, a group $-NR^{49}R^{50}$, and a group $-(O(CH_2)_{y1})_{y2}-O-CH_2-C(O)NR^{51}R^{52}$ (wherein y1 is an integer selected from 1 to 4, and y2 is an integer selected from 1 to 4);

R^{10}, R^{11}, R^{12}, R^{13}, and R^{15} are each independently selected from a halogen atom, hydroxy, carboxy, C_{1-6} alkoxy optionally substituted with one or more hydroxy groups, (C_{1-4} alkoxy)C_{1-6} alkoxy, (C_{1-4} alkoxy)carbonyl, a group $-(O(CH_2)_o)_p-OH$ (wherein o and p are each independently an integer selected from 2 to 4), C_{3-6} cycloalkyl optionally substituted with one or more hydroxy groups, 3- to 10-membered heterocycloalkyl, 5- to 10-membered heteroaryl, and a group $-NR^{39}R^{40}$, wherein the 3- to 10-membered heterocycloalkyl group is optionally substituted with one or more substituents selected from oxo, a halogen atom, C_{1-4}

alkyl (wherein the alkyl group is optionally substituted with one or more hydroxy groups), (C_{1-4} alkoxy)C_{1-4} alkyl (wherein the alkoxy moiety is optionally substituted with one or more hydroxy groups), C_{1-4} alkoxy, (C_{1-4} alkoxy)carbonyl, C_{1-4} alkylthio, mprpholino, (C_{1-3} alkyl)sulfonyl, and -C(O)$NR^{53}R^{54}$;

Ar^1 is C_{6-10} aryl or 5- to 10-membered heteroaryl, wherein the aryl and heteroaryl groups are each optionally substituted with one to three substituents selected from Rb, Rc, and Rd;

Rb, Rc, and Rd are each independently selected from optionally C_{1-4} alkoxy-substituted C_{1-5} alkoxy, a halogen atom, C_{1-10} alkyl optionally substituted with one or more halogen atoms, a group -SF_5, cyano, hydroxy, 5- to 10-membered heterocycloalkyl optionally substituted with one or more substituents R^{14}, C_{6-10} aryl optionally substituted with one or more substituents R^{14}, and 5- to 10-membered heteroaryl optionally substituted with one or more substituents R^{14};

each R^{14} is independently selected from a halogen atom, oxo, cyano, nitro, C_{1-4} alkyl optionally substituted with one or more halogen atoms, C_{1-4} alkoxy optionally substituted with one or more halogen atoms, (C_{1-6} alkoxy)carbonyl, a group -$NR^{27}R^{28}$, a group -$SO_2NR^{35}R^{36}$, C_{1-4} alkylthio, and 5- to 10-membered heterocycloalkyl;

R^{27} and R^{28} are each independently selected from a hydrogen atom and C_{1-4} alkyl optionally substituted with (C_{1-4} alkoxy)carbonyl;

R^{35} and R^{36} are each independently selected from a hydrogen atom and C_{1-4} alkyl;

R^{39} is a hydrogen atom, or optionally C_{1-6} alkoxy-substituted C_{1-6} alkyl;

R^{40} is a hydrogen atom, optionally C_{1-6} alkoxy-substituted C_{1-6} alkyl, ((C_{1-4} alkoxy)carbonyl)C_{1-6} alkyl, hydroxy-substituted C_{1-6} alkyl, a group -$(CH_2)_u$-$NR^{55}R^{56}$ (wherein u is an integer selected from 1 to 4), a group -CH(($CH_2)_{v1}COOR^{57}$)-$(CH_2)_{v2}$-$COOR^{57}$ (wherein v1 is an integer selected from 0 to 2, and v2 is an integer selected from 1 to 3), a group -$(CH_2)_w$-SO_3H (wherein w is an integer selected from 1 to 4), a group -$(CH_2)_{x1}$-CH(COOH)-$(CH_2)_{x2}$-SO_3H (wherein x1 is an integer selected from 0 to 2, and x2 is an integer selected from 1 to 3), 3- to 6-membered oxacycloalkyl, or a group -$(CH_2)_{t1}$-O-$(CH_2)_{t2}$-

$C(O)NR^{58}R^{59}$ (wherein t1 and t2 are each independently an integer selected from 1 to 3);

R^{41} is a hydrogen atom or C_{1-3} alkyl;

R^{42} is C_{1-8} alkyl substituted with one or more hydroxy groups, or (C_{1-3} alkoxy)C_{1-4} alkyl;

R^{43} is a hydrogen atom or C_{1-3} alkyl;

R^{44} is C_{1-8} alkyl substituted with one or more hydroxy groups, or

R^{43} and R^{44} together with the nitrogen atom to which they are attached may form morpholino;

R^{45} is a hydrogen atom or C_{1-3} alkyl;

R^{46} is C_{1-6} alkyl substituted with one or more hydroxy groups;

R^{47} is C_{1-3} alkyl;

R^{48} is (C_{1-3} alkoxy)C_{1-4} alkyl;

R^{49} is a hydrogen atom and C_{1-4} alkyl;

R^{50} is $-(CH_2)_z-NR^{60}R^{61}$ (z is an integer selected from 1 to 4, R^{60} is a hydrogen atom or C_{1-4} alkyl, and R^{61} is (C_{1-3} alkoxy)C_{1-4} alkyl, or R^{60} and R^{61} together with the nitrogen atom to which they are attached may form morpholino);

R^{51} is a hydrogen atom or C_{1-4} alkyl;

R^{52} is C_{1-8} alkyl substituted with one or more hydroxy groups;

R^{53} and R^{54} are each independently selected from a hydrogen atom and C_{1-4} alkyl;

R^{55} is a hydrogen atom or C_{1-4} alkyl;

R^{56} is (C_{1-4} alkyl)carbonyl;

R^{57} is a hydrogen atom or C_{1-4} alkyl;

R^{58} is a hydrogen atom or C_{1-3} alkyl; and

R^{59} is C_{1-8} alkyl substituted with one or more hydroxy groups.

2. The compound according to claim 1 or a salt thereof, or a solvate of the compound or the salt, wherein

each Ra is independently selected from a halogen atom, hydroxy, nitro, cyano, (C_{1-4} alkoxy)carbonyl, 3- to 10-membered heterocycloalkyloxy, C_{1-10} alkyl optionally substituted

with one or more substituents R^{10}, C_{2-10} alkenyl optionally substituted with one or more substituents R^{15}, C_{2-10} alkynyl optionally substituted with one or more substituents R^{11}, C_{1-8} alkoxy optionally substituted with one or more substituents R^{12}, and C_{1-4} alkylthio optionally substituted with one or more substituents R^{13};

R^{10}, R^{11}, R^{12}, R^{13}, and R^{15} are each independently selected from a halogen atom, hydroxy, carboxy, C_{1-6} alkoxy optionally substituted with one or more hydroxy groups, (C_{1-4} alkoxy)carbonyl, a group $-(O(CH_2)_o)_p-OH$ (wherein o and p are each independently an integer selected from 2 to 4), C_{3-6} cycloalkyl optionally substituted with one or more hydroxy groups, 3- to 10-membered heterocycloalkyl, 5- to 10-membered heteroaryl, and a group $-NR^{39}R^{40}$, wherein the 3- to 10-membered heterocycloalkyl group is optionally substituted with one or more substituents selected from oxo, a halogen atom, and C_{1-4} alkyl (wherein the alkyl group is optionally substituted with one or more hydroxy groups); and

R^{39} and R^{40} are each independently selected from a hydrogen atom and optionally C_{1-6} alkoxy-substituted C_{1-6} alkyl.

3. The compound according to claim 1or 2 or a salt thereof, or a solvate of the compound or the salt, wherein

Rb is optionally C_{1-4} alkoxy-substituted C_{1-5} alkoxy or a halogen atom;

Rc is a halogen atom, C_{1-10} alkyl optionally substituted with one or more halogen atoms, or a group $-SF_5$; and

Rd is cyano, hydroxy, a halogen atom, C_{1-4} alkyl optionally substituted with one or more halogen atoms, 5- to 10-membered heterocycloalkyl optionally substituted with one or more substituents R^{14}, C_{6-10} aryl optionally substituted with one or more substituents R^{14}, or 5- to 10-membered heteroaryl optionally substituted with one or more substituents R^{14}.

4. The compound according to any one of claims 1 to 3 or a salt thereof, or a solvate of the compound or the salt, wherein

each Ra is independently selected from a halogen atom, nitro, cyano, (C_{1-4} alkoxy)carbonyl, 3- to 6-membered heterocycloalkyloxy (the heterocycloalkyloxy group is optionally substituted with optionally C_{1-4} alkoxy-substituted C_{1-4} alkyl), C_{1-10} alkyl

optionally substituted with one or more substituents R^{10}, C_{2-10} alkynyl optionally substituted with one or more substituents R^{11}, C_{1-8} alkoxy optionally substituted with one or more substituents R^{12}, C_{1-4} alkylthio optionally substituted with one or more substituents R^{13}, a group $-(O(CH_2)_{q1})_{q2}-NR^{41}R^{42}$, a group $-(O(CH_2)_{r1})_{r2}-C(O)NR^{43}R^{44}$, a group $-(O(CH_2)_{s1})_{s2}-NR^{45}-C(O)R^{46}$, a group $-C(O)NR^{47}R^{48}$, pyridinyl, pyrrolyl, a group $-NR^{49}R^{50}$, and a group $-(O(CH_2)_{y1})_{y2}-O-CH_2-NR^{51}R^{52}$;

R^{10} is carboxy, 3- to 6-membered heterocycloalkyl, C_{1-6} alkoxy optionally substituted with one or more hydroxy groups, or a group $-(O(CH_2)_o)_p-OH$;

R^{11} is hydroxy, carboxy, 5- or 6-membered heterocycloalkyl optionally substituted with one or more oxo groups, C_{1-6} alkoxy optionally substituted with one or more hydroxy groups, a group $-(O(CH_2)_o)_p-OH$, C_{3-6} cycloalkyl optionally substituted with one or more hydroxy groups, or a group $–NR^{39}R^{40}$;

R^{12} is a halogen atom, hydroxy, carboxy, C_{1-6} alkoxy optionally substituted with one or more hydroxy groups, (C_{1-4} alkoxy)C_{1-6} alkoxy, (C_{1-3} alkoxy)carbonyl, 3- to 6-membered heterocycloalkyl, 5- or 6-membered heteroaryl, or a group $-NR^{39}R^{40}$, wherein the 3- to 6-membered heterocycloalkyl group is optionally substituted with one or more substituents selected from oxo, a halogen atom, C_{1-4} alkyl (wherein the alkyl group is optionally substituted with one or more hydroxy groups), (C_{1-4} alkoxy)C_{1-4} alkyl (wherein the alkoxy moiety is optionally substituted with one or more hydroxy groups), C_{1-4} alkoxy, (C_{1-4} alkoxy)carbonyl, C_{1-4} alkylthio, morpholino, (C_{1-3} alkyl)sulfonyl, and $-C(O)NR^{53}R^{54}$;

R^{13} is 5- or 6-membered heterocycloalkyl; and

o and p are each independently an integer selected from 2 to 4.

5. The compound according to any one of claims 1 to 4 or a salt thereof, or a solvate of the compound or the salt, wherein

each Ra is independently selected from a halogen atom, nitro, cyano, (C_{1-4} alkoxy)carbonyl, 3- to 6-membered heterocycloalkyloxy, C_{1-10} alkyl optionally substituted with one or more substituents R^{10}, C_{2-10} alkynyl optionally substituted with one or more substituents R^{11}, C_{1-8} alkoxy optionally substituted with one or more substituents R^{12}, and

C_{1-4} alkylthio optionally substituted with one or more substituents R^{13};

each R^{10} is independently selected from carboxy, 3- to 6-membered heterocycloalkyl, C_{1-6} alkoxy optionally substituted with one or more hydroxy groups, and a group $-(O(CH_2)_o)_p-OH$;

each R^{11} is independently selected from hydroxy, carboxy, 5- or 6-membered heterocycloalkyl optionally substituted with one or more oxo groups, C_{1-6} alkoxy optionally substituted with one or more hydroxy groups, a group $-(O(CH_2)_o)_p-OH$, and C_{3-6} cycloalkyl optionally substituted with one or more hydroxy groups;

each R^{12} is independently selected from a halogen atom, hydroxy, C_{1-6} alkoxy optionally substituted with one or more hydroxy groups, (C_{1-3} alkoxy)carbonyl, 3- to 6-membered heterocycloalkyl, 5- or 6-membered heteroaryl, and a group $-NR^{39}R^{40}$;

R^{13} is 5- or 6-membered heterocycloalkyl; and

o and p are each independently an integer selected from 2 to 4.

6. The compound according to any one of claims 1 to 4 or a salt thereof, or a solvate of the compound or the salt, wherein

each Ra is selected from a halogen atom, hydroxy, nitro, cyano, C_{1-6} alkyl, (carboxy)C_{1-8} alkyl, (morpholino)C_{1-4} alkyl, [HO-((CH_2)$_o$O)$_p$]C_{1-6} alkyl, (C_{1-6} alkoxy)C_{1-8} alkyl optionally substituted with one or more hydroxy groups, C_{1-6} alkoxy optionally substituted with one or more halogen atoms, [N-((C_{1-3} alkoxy)C_{1-4} alkyl)-N-(C_{1-3} alkyl)amino]C_{1-4} alkoxy, C_{1-6} alkoxy substituted with one or more hydroxy groups, ((C_{1-3} alkoxy)carbonyl)C_{1-3} alkoxy, (C_{1-6} alkoxy)C_{1-8} alkoxy optionally substituted with one or more hydroxy groups, (C_{1-3} alkoxy(C_{1-4} alkoxy))C_{1-4} alkoxy, (carboxy)C_{1-8} alkoxy, (3- to 6-membered heterocycloalkyl)C_{1-6} alkoxy (the heterocycloalkyl moiety is optionally substituted with one or more substituents selected from oxo, a halogen atom, C_{1-4}alkyl (the alkyl is optionally substituted with one or more hydroxy groups), C_{1-4} alkoxyC_{1-4} alkyl (the alkoxy moiety is optionally substituted with one or more hydroxyl groups), C_{1-4} alkoxy, (C_{1-4} alkoxy)carbonyl, C_{1-4} alkylthio, morpholino, (C_{1-3} alkyl)sulfonyl, and (di(C_{1-3} alkyl)amino)carbonyl), C_{1-4} alkoxy substituted with a group –NH-CH((CH_2)$_{v1}$COOR^{57})-

$(CH_2)_{v2}$-$COOR^{57}$, [N-(3- to 6-membered oxacycloalkyl)-N-(C_{1-3} alkyl)amino]C_{1-4} alkoxy, [N,N-di((hydroxy)C_{1-4} alkyl)-amino]C_{1-4} alkoxy, [N-((C_{1-3} alkoxy)carbonyl)C_{1-3} alkyl-N-(C_{1-3} alkyl)amino]C_{1-4} alkoxy, (pyridinyl)C_{1-4} alkoxy, (pyrimidinyl)C_{1-4} alkoxy, (1,2,4-triazolyl)C_{1-4} alkoxy, [N-(hydroxy)C_{1-4} alkyl-N-(C_{1-3} alkyl)amino]C_{1-4} alkoxy, [N,N-di((C_{1-3} alkoxy)C_{1-4} alkyl)amino]C_{1-6} alkoxy, [N,N-di(C_{1-3} alkyl)amino]C_{1-6} alkoxy, [N-[N-(C_{1-4}alkyl)carbonyl-N-(C_{1-3}alkyl)amino]C_{1-4} alkyl-N-(C_{1-3} alkyl) amino]C_{1-4} alkoxy, [N-[N-(C_{1-4}alkyl)carbonyl-amino]C_{1-4} alkyl-N-(C_{1-3} alkyl) amino]C_{1-4} alkoxy, a group -$(O(CH_2)_{r1})_{r2}$-$C(O)NR^{43}R^{44}$, a group -$(O(CH_2)_{q1})_{q2}$-$NR^{41}R^{42}$, C_{1-4} alkoxy substituted with a group -NH-$(CH_2)_w$-SO_3H, C_{1-4} alkoxy substituted with a group -NH-$(CH_2)_{x1}$-CH(COOH)-$(CH_2)_{x2}$-SO_3H, a group -$(O(CH_2)_{s1})_{s2}$-NR^{45}-$C(O)R^{46}$, a group -$C(O)NR^{47}R^{48}$, pyridinyl, a group -$NR^{49}R^{50}$, a group -$(O(CH_2)_{y1})_{y2}$-O-CH_2-$C(O)NR^{51}R^{52}$, (carboxy)C_{2-6} alkynyl, (3- to 6-membered heterocycloalkyl)C_{2-6} alkynyl optionally substituted with one or more oxo groups, C_{2-8} alkynyl optionally substituted with one or more hydroxy groups, [HO-$((CH_2)_oO)_p$]C_{2-8} alkynyl, (C_{1-6} alkoxy)C_{2-8} alkynyl optionally substituted with one or more hydroxy groups, (C_{3-6} cycloalkyl)C_{2-6} alkynyl optionally substituted with one or more hydroxy groups, [N-((C_{1-3} alkoxy)C_{1-4} alkyl)-N-(C_{1-3} alkyl)amino]C_{2-6} alkynyl, (C_{1-3} alkoxy)carbonyl, (morpholino)C_{1-4} alkylthio optionally substituted with one or more oxo groups, 3- to 6-membered oxacycloalkyloxy, and 4- to 6-membered nitrogen containing heterocycloalkyloxy (the nitrogen containing heterocycloalkyl moiety is optionally substituted with one substituent selected from (C_{1-3} alkoxy)C_{1-4} alkyl and C_{1-3} alkyl).

7. The compound according to any one of claims 1 to 6 or a salt thereof, or a solvate of the compound or the salt, wherein

each Ra is independently selected from a halogen atom, hydroxy, cyano, C_{1-6} alkyl, (carboxy)C_{1-8} alkyl, (morpholino)C_{1-4} alkyl, (C_{1-6} alkoxy)C_{1-8} alkyl substituted with one or more hydroxy groups, C_{1-6} alkoxy optionally substituted with one or more halogen atoms, [N-((C_{1-3} alkoxy)C_{1-4} alkyl)-N-(C_{1-3} alkyl)amino]C_{1-4} alkoxy, (morpholino)C_{1-6} alkoxy (the morpholino moiety may be substituted with one or two substituents selected from oxo and C_{1-3} alkyl), (C_{1-6} alkoxy)C_{1-8} alkoxy optionally substituted with one or more hydroxy groups,

(C_{1-3} alkoxy(C_{1-4} alkoxy))C_{1-4} alkoxy, (carboxy)C_{1-8} alkoxy, (pyrrolidinyl)C_{1-4} alkoxy (the pyrrolidinyl moiety is optionally substituted with (C_{1-3} alkyl)C_{1-4} alkoxy), C_{1-4} alkoxy substituted with a group –NH-CH((CH_2)$_{v1}$$COOR^{57}$)-($CH_2$)$_{v2}$-$COOR^{57}$, [N-(oxetanyl)-N-($C_{1-3}$ alkyl)amino]C_{1-4} alkoxy, [N,N-di(C_{1-3} alkyl)amino]C_{1-6} alkoxy, a group -(O(CH_2)$_{r1}$)$_{r2}$-$C(O)NR^{43}R^{44}$, a group -(O(CH_2)$_{q1}$)$_{q2}$-$NR^{41}R^{42}$, C_{1-4} alkoxy substituted with a group -NH-(CH_2)$_w$-SO_3H, C_{1-4} alkoxy substituted with a group -NH-(CH_2)$_{x1}$-CH(COOH)-(CH_2)$_{x2}$-SO_3H, (carboxy)C_{2-6} alkynyl, (morpholino)C_{2-6} alkynyl, C_{2-8} alkynyl optionally substituted with one or more hydroxy groups, [HO-((CH_2)$_o$O)$_p$]C_{2-8} alkynyl, (C_{1-6} alkoxy)C_{2-8} alkynyl substituted with one or more hydroxy groups, and (C_{1-3} alkoxy)carbonyl.

8. The compound according to any one of claims 1 to 7 or a salt thereof, or a solvate of the compound or the salt, wherein Ra is independently selected from a halogen atom, hydroxy, cyano, C_{1-3} alkyl, (carboxy)C_{1-8} alkyl, (C_{1-6} alkoxy)C_{1-8} alkyl substituted with one or more hydroxy groups, C_{1-3} alkoxy optionally substituted with one or more halogen atoms, [N-((C_{1-3} alkoxy)C_{1-4} alkyl)-N-(C_{1-3} alkyl)amino]C_{1-4} alkoxy, (morpholino)C_{1-6} alkoxy, (C_{1-6} alkoxy)C_{1-8} alkoxy substituted with one or more hydroxy groups, (carboxy)C_{2-6} alkynyl, (morpholino)C_{2-6} alkynyl, C_{2-8} alkynyl optionally substituted with one or more hydroxy groups, [HO-((CH_2)$_o$O)$_p$]C_{2-8} alkynyl, (C_{1-6} alkoxy)C_{2-8} alkynyl substituted with one or more hydroxy groups, and (C_{1-3} alkoxy)carbonyl.

9. The compound according to any one of claims 1 to 8 or a salt thereof, or a solvate of the compound or the salt, wherein R^3 is methyl substituted with Re.

10. The compound according to any one of claims 1 to 9 or a salt thereof, or a solvate of the compound or the salt, wherein R^3 is benzyl optionally substituted with one to three substituents Ra on the benzene ring.

11. The compound according to any one of claims 1 to 5, 9, and 10 or a salt thereof, or a solvate of the compound or the salt, wherein

Re is phenyl optionally substituted with one to three substituents Ra;

the one to three substituents Ra are one substituent selected from Ri, Rj, and Rk, two substituents selected from combinations of Ri and Rj, Ri and Rk, and Rj and Rk, or three

substituents Ri, Rj, and Rk;

Ri is a halogen atom or C_{1-3} alkoxy;

Rj is a halogen atom, nitro, or cyano; and

Rk is hydroxy, a halogen atom, (C_{1-4} alkoxy)carbonyl, 5- to 10-membered heterocycloalkyloxy (the heterocycloalkyloxy group is optionally substituted with optionally C_{1-4} alkoxy-substituted C_{1-4} alkyl), C_{1-10} alkyl optionally substituted with one or more substituents R^{10}, C_{2-10} alkenyl optionally substituted with one or more substituents R^{15}, C_{2-10} alkynyl optionally substituted with one or more substituents R^{11}, C_{1-8} alkoxy optionally substituted with one or more substituents R^{12}, C_{1-4} alkylthio optionally substituted with one or more substituents R^{13}, a group $-(O(CH_2)_{q1})_{q2}-NR^{41}R^{42}$, a group $-(O(CH_2)_{r1})_{r2}-C(O)NR^{43}R^{44}$, a group $-(O(CH_2)_{s1})_{s2}-NR^{45}-C(O)R^{46}$, a group $-C(O)NR^{47}R^{48}$, pyridinyl, pyrrolyl, a group $-NR^{49}R^{50}$, or a group $-(O(CH_2)_{y1})_{y2}-O-CH_2-C(O)NR^{51}R^{52}$.

12. The compound according to any one of claims 1 to 5, and 9 to 11 or a salt thereof, or a solvate of the compound or the salt, wherein

Re is phenyl optionally substituted with one to three substituents Ra;

the one to three substituents Ra are one substituent selected from Ri, Rj, and Rk, two substituents selected from combinations of Ri and Rj, Ri and Rk, and Rj and Rk, or three substituents Ri, Rj, and Rk;

Ri is a halogen atom or C_{1-3} alkoxy;

Rj is a halogen atom, nitro, or cyano; and

Rk is hydroxy, a halogen atom, (C_{1-4} alkoxy)carbonyl, 5- to 10-membered heterocycloalkyloxy, C_{1-10} alkyl optionally substituted with one or more substituents R^{10}, C_{2-10} alkenyl optionally substituted with one or more substituents R^{15}, C_{2-10} alkynyl optionally substituted with one or more substituents R^{11}, C_{1-8} alkoxy optionally substituted with one or more substituents R^{12}, or C_{1-4} alkylthio optionally substituted with one or more substituents R^{13}.

13. The compound according to claim 11 or a salt thereof, or a solvate of the compound or the salt, wherein

Rk is a halogen atom, hydroxy, C_{1-6} alkyl, (carboxy)C_{1-8} alkyl, (morpholino)C_{1-4} alkyl, [HO-((CH$_2$)$_o$O)$_p$]C_{1-6} alkyl, (C_{1-6} alkoxy)C_{1-8} alkyl optionally substituted with one or more hydroxy groups, C_{1-6} alkoxy optionally substituted with one or more halogen atoms, [N-((C_{1-3} alkoxy)C_{1-4} alkyl)-N-(C_{1-3} alkyl)amino]C_{1-4} alkoxy, C_{1-6} alkoxy substituted with one or more hydroxy groups, ((C_{1-3} alkoxy)carbonyl)C_{1-3} alkoxy, (C_{1-6} alkoxy)C_{1-8} alkoxy optionally substituted with one or more hydroxy groups, (C_{1-3} alkoxy(C_{1-4} alkoxy))C_{1-4} alkoxy, (carboxy)C_{1-8} alkoxy, (3- to 6-membered heterocycloalkyl)C_{1-6} alkoxy (the heterocycloalkyl moiety conrtains one to three heteroatoms selected from O and N and is optionally substituted with one or more substituents selected from oxo, a halogen atom, C_{1-4} alkyl (the alkyl is optionally substitutied with one or more hydroxy groups), (C_{1-4} alkoxy)C_{1-4} alkyl (the alkoxy moiety is optionally substituted with one or more hydroxy groups), C_{1-4} alkoxy, (C_{1-4} alkoxy)carbonyl, C_{1-4} alkylthio, morpholino, (C_{1-3} alkyl)sulfonyl and (di(C_{1-3} alkyl)amino)carbonyl), C_{1-4} alkoxy substituted with a group –NH-CH((CH$_2$)$_{v1}$COOR^{57})-(CH$_2$)$_{v2}$-COOR^{57}, [N-(3- to 6-membered oxacycloalkyl)-N-(C_{1-3} alkyl)amino]C_{1-4} alkoxy, [N,N-di((hydroxy)C_{1-4} alkyl)-amino]C_{1-4} alkoxy, [N-((C_{1-3} alkoxy)carbonyl)C_{1-3} alkyl-N-(C_{1-3} alkyl)amino]C_{1-4} alkoxy, (pyridinyl)C_{1-4} alkoxy, (pyrimidinyl)C_{1-4}alkoxy, (1,2,4-triazolyl)C_{1-4} alkoxy, [N-(hydroxy)C_{1-4} alkyl-N-(C_{1-3} alkyl)amino]C_{1-4} alkoxy, [N,N-di(C_{1-3} alkoxy(C_{1-3} alkyl))amino]C_{1-6} alkoxy, [N,N-di(C_{1-3} alkyl)amino]C_{1-6} alkoxy, [N-[N-(C_{1-4} alkyl)carbonyl-N-(C_{1-3} alkyl)amino]C_{1-4} alkyl-N-(C_{1-3} alkyl)amino]C_{1-4} alkoxy, [N-[N-(C_{1-4} alkyl)carbonyl-amino]C_{1-4} alkyl-N-(C_{1-3} alkyl)amino]C_{1-4} alkoxy, a group -(O(CH$_2$)$_{r1}$)$_{r2}$-C(O)NR^{43}R^{44}, a group -(O(CH$_2$)$_{q1}$)$_{q2}$-NR^{41}R^{42}, C_{1-4} alkoxy substituted with a group -NH-(CH$_2$)$_w$-SO$_3$H, C_{1-4} alkoxy substituted with a group -NH-(CH$_2$)$_{x1}$-CH(COOH)-(CH$_2$)$_{x2}$-SO$_3$H, a group -(O(CH$_2$)$_{s1}$)$_{s2}$-NR^{45}-C(O)R^{46}, a group -C(O)NR^{47}R^{48}, pyridinyl, a group -NR^{49}R^{50}, a group -(O(CH$_2$)$_{y1}$)$_{y2}$-O-CH$_2$-C(O)NR^{51}R^{52}, (carboxy)C_{2-8} alkynyl, (3- to 6-membered heterocycloalkyl)C_{2-6} alkynyl optionally substituted with one or more oxo groups, C_{2-8} alkynyl optionally substituted with one or more hydroxy groups, [HO-((CH$_2$)$_o$O)$_p$]C_{2-8} alkynyl, (C_{1-6} alkoxy)C_{2-8} alkynyl optionally substituted with one or more hydroxy groups, (C_{3-6} cycloalkyl)C_{2-6} alkynyl optionally substituted with one or more hydroxy groups, [N-

((C_{1-3} alkoxy)C_{1-4} alkyl)-N-(C_{1-3} alkyl)amino]C_{2-6} alkynyl, (C_{1-3} alkoxy)carbonyl, (morpholino)C_{1-4} alkylthio, 3- to 6-membered oxacycloalkyloxy, or 3- to 6-membered nitrogen containing heterocycloalkyloxy (the heterocycloalkyl moiety is optionally substituted with one substituent selected from (C_{1-3} alkoxy)C_{1-4} alkyl and C_{1-3} alkyl).

14. The compound according to claim 11 or 13 or a salt thereof, or a solvate of the compound or the salt, wherein

Rk is hydroxy, a halogen atom, C_{1-6} alkyl, (carboxy)C_{1-8} alkyl, (morpholino)C_{1-4} alkyl, (C_{1-6} alkoxy)C_{1-8} alkyl substituted with one or more hydroxy groups, C_{1-6} alkoxy optionally substituted with one or more halogen atoms, [N-((C_{1-3} alkoxy)C_{1-4} alkyl)-N-(C_{1-3} alkyl)amino]C_{1-4} alkoxy, (morpholino)C_{1-6} alkoxy, (C_{1-6} alkoxy)C_{1-8} alkoxy optionally substituted with one or more hydroxy groups, (C_{1-3} alkoxy(C_{1-4} alkoxy))C_{1-4} alkoxy, (carboxy)C_{1-8} alkoxy, (pyrrolidinyl)C_{1-4} alkoxy (the pyrrolidinyl moiety is substituted with (C_{1-3} alkyl)C_{1-4} alkoxy), C_{1-4} alkoxy substituted with a group –NH-CH((CH_2)$_{v1}$COOR^{57})-(CH_2)$_{v2}$-COOR^{57}, [N-(oxetanyl)-N-(C_{1-3} alkyl)amino]C_{1-4} alkoxy, [N,N-di(C_{1-3} alkyl)amino]C_{1-6} alkoxy, a group -(O(CH_2)$_{r1}$)$_{r2}$-C(O)NR^{43}R^{44}, a group -(O(CH_2)$_{q1}$)$_{q2}$-NR^{41}R^{42}, C_{1-4} alkoxy substituted with a group -NH-(CH_2)$_w$-SO_3H, C_{1-4} alkoxy substituted with a group -NH-(CH_2)$_{x1}$-CH(COOH)-(CH_2)$_{x2}$-SO_3H, (carboxy)C_{2-8} alkynyl, (morpholino)C_{2-6} alkynyl, C_{2-8} alkynyl optionally substituted with one or more hydroxy groups, [HO-((CH_2)$_o$O)$_p$]C_{2-8} alkynyl, (C_{1-6} alkoxy)C_{2-8} alkynyl substituted with one or more hydroxy groups, or (C_{1-3} alkoxy)carbonyl.

15. The compound according to any one of claims 11 to 14 or a salt thereof, or a solvate of the compound or the salt, wherein

Rk is hydroxy, a halogen atom, C_{1-6} alkyl, (carboxy)C_{1-8} alkyl, (C_{1-6} alkoxy)C_{1-8} alkyl substituted with one or more hydroxy groups, C_{1-3} alkoxy optionally substituted with one or more halogen atoms, [N-((C_{1-3} alkoxy)C_{1-4} alkyl)-N-(C_{1-3} alkyl)amino]C_{1-4} alkoxy, (morpholino)C_{1-6} alkoxy, (C_{1-6} alkoxy)C_{1-8} alkoxy substituted with one or more hydroxy groups, (carboxy)C_{2-8} alkynyl, (morpholino)C_{2-6} alkynyl, C_{2-8} alkynyl optionally substituted with one or more hydroxy groups, [HO-((CH_2)$_o$O)$_p$]C_{2-8} alkynyl, (C_{1-6} alkoxy)C_{2-8} alkynyl

substituted with one or more hydroxy groups, or (C_{1-3} alkoxy)carbonyl.

16. The compound according to any one of claims 1 to 15 or a salt thereof, or a solvate of the compound or the salt, wherein

R^1, R^4, and R^5 are as defined in any one of the following (1) or (2):

(1) R^1 is a hydrogen atom or C_{1-6} alkyl;

R^4 is C_{1-4} alkyl optionally substituted with one or more halogen atom(s), or phenyl; and

R^5 is a hydrogen atom or C_{1-4} alkyl;

(2) R^1 and R^5 together with the carbon atom to which they are attached form a C_{3-6} saturated carbocyclic ring; and

R^4 is as defined above.

17. The compound according to any one of claims 1, 2, 4, 6, 7, 9, 10 and 16 or a salt thereof, or a solvate of the compound or the salt, wherein

R^1, R^4, and R^5 are as defined in the following (1) or (2):

(1) R^1 is C_{1-6} alkyl;

R^4 is optionally halogen atom-substituted C_{1-4} alkyl or phenyl; and

R^5 is a hydrogen atom or C_{1-4} alkyl; or

(2) R^1 and R^5 together with the carbon atom to which they are attached form a C_{3-6} saturated carbocyclic ring; and

R^4 is as defined above;

R^3 is C_{1-4} alkyl substituted with Re;

Re is phenyl optionally substituted with one or more substituents Ra;

each Ra is independently selected from a halogen atom, optionally R^{11}-substituted C_{2-6} alkynyl, and optionally R^{12}-substituted C_{1-6} alkoxy;

R^{11} and R^{12} are each independently selected from 5- or 6-membered heterocycloalkyl and $-NR^{39}R^{40}$;

R^{39} and R^{40} are each independently selected from hydrogen atom and optionally C_{1-6} alkoxy-substituted C_{1-6} alkyl;

Ar^1 is phenyl or 5- or 6-membered heteroaryl, wherein the phenyl and heteroaryl groups are each optionally substituted with one to three substituents selected from Rb, Rc, and Rd;

Rb, Rc, and Rd are each independently selected from a halogen atom, C_{1-4} alkyl optionally substituted with one or more halogen atoms, phenyl optionally substituted with one or more substituents R^{14}, and 5- or 6-membered heteroaryl optionally substituted with one or more substituents R^{14}; and

each R^{14} is independently selected from a halogen atom, cyano, C_{1-4} alkyl optionally substituted with one or more halogen atoms, C_{1-4} alkoxy, a group $-SO_2NR^{35}R^{36}$ (wherein R^{35} and R^{36} are each independently selected from C_{1-4} alkyl), and C_{1-4} alkylthio.

18. The compound according to any one of claims 1 to 17 or a salt thereof, or a solvate of the compound or the salt, wherein

Rb is a halogen atom;

Rc is a halogen atom or C_{1-4} alkyl optionally substituted with one or more halogen atoms; and

Rd is a halogen atom, C_{1-4} alkyl optionally substituted with one or more halogen atoms, phenyl optionally substituted with one or more substituents R^{14}, or 5- or 6-membered heteroaryl optionally substituted with one or more substituents R^{14}.

19. The compound according to any one of claims 1 to 4, 9, 10, and 16 to 18 or a salt thereof, or a solvate of the compound or the salt, wherein

Re is phenyl optionally substituted with one or more substituents Ra;

R^{11} and R^{12} are each independently selected from morpholinyl and a group $-NR^{39}R^{40}$;

R^4 is optionally halogen atom-substituted C_{1-4} alkyl or phenyl;

Ar^1 is phenyl, pyridinyl, or pyrimidinyl, wherein the phenyl, pyridinyl, and pyrimidinyl groups are each optionally substituted with one to three substituents selected from Rb, Rc, and Rd;

Rb is a halogen atom;

Rc is a halogen atom or C_{1-4} alkyl optionally substituted with one or more halogen atoms; and

Rd is a halogen atom, C_{1-4} alkyl optionally substituted with one or more halogen atoms, phenyl, pyridinyl, or pyrimidinyl, wherein the phenyl, pyridinyl, and pyrimidinyl groups are each optionally substituted with one or more substituents R^{14}.

20. The compound according to any one of claims 1 to 4, 9 to 12 and 16 to 19 or a salt thereof, or a solvate of the compound or the salt, wherein

Re is phenyl optionally substituted with one to three substituents Ra;

the one to three substituents Ra are one substituent selected from Ri, Rj, and Rk, two substituents selected from combinations of Ri and Rj, Ri and Rk, and Rj and Rk, or three substituents Ri, Rj, and Rk;

Ri is a halogen atom;

Rj is a halogen atom; and

Rk is hydroxy, C_{2-6} alkynyl optionally substituted with a substituent R^{11}, or C_{1-6} alkoxy optionally substituted with a substituent R^{12}.

21. The compound according to any one of claims 17 to 20, or a salt thereof, or a solvate of the compound or the salt, wherein R^{11} and R^{12} are each independently selected from morpholinyl, and [N-((methoxy)ethyl)-N-(methyl)amino].

22. The compound according to any one of claims 1, 2, 4, 5, 9, 10 and 16 or a salt thereof, or a solvate of the compound or the salt, wherein

R^1 and R^5 together with the carbon atom to which they are attached form a C_{3-6} saturated carbocyclic ring;

R^4 is C_{1-4} alkyl;

R^3 is C_{1-4} alkyl substituted with Re;

Re is phenyl optionally substituted with one or more substituents Ra;

each Ra is independently selected from a halogen atom and C_{1-4} alkoxy optionally substituted with one or more substituents R^{12};

each R^{12} is independently selected from 5- or 6-membered heterocycloalkyl

and -$NR^{39}R^{40}$;

R^{39} and R^{40} are each independently selected from a hydrogen atom, and optionally C_{1-4} alkoxy-substituted C_{1-4} alkyl;

Ar^1 is phenyl or 5- or 6-membered heteroaryl, wherein the phenyl and heteroaryl groups are each optionally substituted with one to three substituents selected from Rb, Rc, and Rd;

Rb, Rc, and Rd are each independently selected from a halogen atom, C_{1-4} alkyl optionally substituted with one or more halogen atoms, and 5- or 6-membered heteroaryl optionally substituted with one or more substituents R^{14}; and

each R^{14} is independently selected from a halogen atom, cyano, C_{1-4} alkyl optionally substituted with one or more halogen atoms, and C_{1-4} alkylthio.

23. The compound according to any one of claims 1 to 22 or a salt thereof, or a solvate of the compound or the salt, wherein

Rb is a halogen atom;

Rc is a halogen atom or C_{1-4} alkyl optionally substituted with one or more halogen atoms; and

Rd is a halogen atom or 5- or 6-membered heteroaryl optionally substituted with one or more substituents R^{14}.

24. The compound according to any one of claims 1 to 3, 9 to 12, 16, 22 and 23 or a salt thereof, or a solvate of the compound or the salt, wherein

Re is phenyl optionally substituted with one to three substituents Ra;

the one to three substituents Ra are one substituent selected from Ri, Rj, and Rk, two substituents selected from combinations of Ri and Rj, Ri and Rk, and Rj and Rk, or three substituents Ri, Rj, and Rk;

Ri and Rj are each independently a halogen atom; and

Rk is C_{1-4} alkoxy optionally substituted with one or more substituents R^{12}.

25. The compound according to any one of claims 1 to 5, 9 to 12, 16 to 18, 20 and 22 to 24 or a salt thereof, or a solvate of the compound or the salt, wherein

Ar^1 is phenyl or pyridinyl;

Rd is pyridinyl or pyrimidinyl;

R^{12} is selected from morpholinyl, [N-((methoxy)ethyl)-N-(methyl)amiono], and [N,N-dimethylamino].

26. The compound according to any one of claims 1 to 25 or a salt thereof, or a solvate of the compound or the salt, wherein

Ar^1 is 4-(trifluoromethyl)-2-(6-methylthiopyridin-3-yl)phenyl, 4-(trifluoromethyl)-2-(6-trifluoromethylpyridin-3-yl)phenyl, 4-(trifluoromethyl)-2-(4-trifluoromethylpyrimidin-5-yl)phenyl, 4-(trifluoromethyl)-2-(6-trifluoromethylpyrimidin-4-yl)phenyl, 4-(trifluoromethyl)-2-(6-cyano-5-methylpyrimidin-4-yl)phenyl, 4-(trifluoromethyl)-2-(2-cyanopyridin-4-yl)phenyl, 4-chloro-2-(6-methylthiopyridin-3-yl)phenyl, 4-chloro-2-(6-trifluoromethylpyridin-3-yl)phenyl, 4-chloro-2-(4-trifluoromethylpyrimidin-5-yl)phenyl, 4-chloro-2-(6-cyano-5-methylpyrimidin-4-yl)phenyl, 4-chloro-2-(6-trifluoromethylpyrimidin-4-yl)phenyl, or 4-chloro-2-(2-cyanopyridin-4-yl)phenyl.

27. A compound selected from:

(3S)-3-tert-butyl-1-[[2,3-difluoro-4-(2-morpholin-4-ylethoxy)phenyl]methyl]-4-hydroxy-2-methyl-6-oxo-N-[4-(trifluoromethyl)-2-[6-(trifluoromethyl)pyrimidin-4-yl]phenyl]-3H-pyridazine-5-carboxamide;

(3S)-3-tert-butyl-N-[4-chloro-2-[6-(trifluoromethyl)pyrimidin-4-yl]phenyl]-1-[[2,3-difluoro-4-(2-morpholin-4-ylethoxy)phenyl]methyl]-4-hydroxy-2-methyl-6-oxo-3H-pyridazine-5-carboxamide;

(3S)-3-tert-butyl-N-[4-chloro-2-[6-(trifluoromethyl)pyridin-3-yl]phenyl]-1-[[2,3-difluoro-4-(2-morpholin-4-ylethoxy)phenyl]methyl]-4-hydroxy-2-methyl-6-oxo-3H-pyridazine-5-carboxamide;

(3S)-3-tert-butyl-N-[4-chloro-2-(6-methylsulfanylpyridin-3-yl)phenyl]-1-[[2,3-difluoro-4-(2-morpholin-4-ylethoxy)phenyl]methyl]-4-hydroxy-2-methyl-6-oxo-3H-pyridazine-5-carboxamide;

(3S)-3-tert-butyl-N-[2-(6-cyano-5-methylpyrimidin-4-yl)-4-

(trifluoromethyl)phenyl]-1-[[2,3-difluoro-4-(2-morpholin-4-ylethoxy)phenyl]methyl]-4-hydroxy-2-methyl-6-oxo-3H-pyridazine-5-carboxamide;

6-[[2,3-difluoro-4-(2-morpholin-4-ylethoxy)phenyl]methyl]-9-hydroxy-5-methyl-7-oxo-N-[4-(trifluoromethyl)-2-[6-(trifluoromethyl)pyrimidin-4-yl]phenyl]-5,6-diazaspiro[3.5]non-8-ene-8-carboxamide;

7-[[2,3-difluoro-4-(2-morpholin-4-ylethoxy)phenyl]methyl]-10-hydroxy-6-methyl-8-oxo-N-[4-(trifluoromethyl)-2-[6-(trifluoromethyl)pyrimidin-4-yl]phenyl]-6,7-diazaspiro[4.5]dec-9-ene-9-carboxamide;

6-[[2,3-difluoro-4-[2-[2-methoxyethyl(methyl)amino]ethoxy]phenyl]methyl]-9-hydroxy-5-methyl-7-oxo-N-[4-(trifluoromethyl)-2-[6-(trifluoromethyl)pyrimidin-4-yl]phenyl]-5,6-diazaspiro[3.5]non-8-ene-8-carboxamide;

7-[[2,3-difluoro-4-[2-[2-methoxyethyl(methyl)amino]ethoxy]phenyl]methyl]-10-hydroxy-6-methyl-8-oxo-N-[4-(trifluoromethyl)-2-[6-(trifluoromethyl)pyrimidin-4-yl]phenyl]-6,7-diazaspiro[4.5]dec-9-ene-9-carboxamide;

4-[2,3-difluoro-4-[[10-hydroxy-6-methyl-8-oxo-9-[[4-(trifluoromethyl)-2-[6-(trifluoromethyl)pyrimidin-4-yl]phenyl]carbamoyl]-6,7-diazaspiro[4.5]dec-9-en-7-yl]methyl]phenoxy]butanoic acid;

5-[2,3-[difluoro-4-[[10-hydroxy-6-methyl-8-oxo-9-[[4-(trifluoromethyl)-2-[6-(trifluoromethyl)pyrimidin-4-yl]phenyl]carbamoyl]-6,7-diazaspiro[4.5]dec-9-en-7-yl]methyl]phenoxy]pentanoic acid;

6-[2,3-difluoro-4-[[10-hydroxy-6-methyl-8-oxo-9-[[4-(trifluoromethyl)-2-[6-(trifluoromethyl)pyrimidin-4-yl]phenyl]carbamoyl]-6,7-diazaspiro[4.5]dec-9-en-7-yl]methyl]phenoxy]hexanoic acid;

7-[2,3-difluoro-4-[[10-hydroxy-6-methyl-8-oxo-9-[[4-(trifluoromethyl)-2-[6-(trifluoromethyl)pyrimidin-4-yl]phenyl]carbamoyl]-6,7-diazaspiro[4.5]dec-9-en-7-yl]methyl]phenoxy]heptanoic acid;

7-[[2,3-difluoro-4-[2-[(2S)-2-(methoxymethyl)pyrrolidin-1-yl]ethoxy]phenyl]methyl]-10-hydroxy-6-methyl-8-oxo-N-[4-(trifluoromethyl)-2-[6-

(trifluoromethyl)pyrimidin-4-yl]phenyl]-6,7-diazaspiro[4.5]dec-9-ene-9-carboxamide;

(2S)-2-[2-[2,3-difluoro-4-[[10-hydroxy-6-methyl-8-oxo-9-[[4-(trifluoromethyl)-2-[6-(trifluoromethyl)pyrimidin-4-yl]phenyl]carbamoyl]-6,7-diazaspiro[4.5]dec-9-en-7-yl]methyl]phenoxy]ethylamino]butanedioic acid;

3-[2-[2,3-difluoro-4-[[10-hydroxy-6-methyl-8-oxo-9-[[4-(trifluoromethyl)-2-[6-(trifluoromethyl)pyrimidin-4-yl]phenyl]carbamoyl]-6,7-diazaspiro[4.5]dec-9-en-7-yl]methyl]phenoxy]ethylamino]pentanedioic acid;

6-(2,3-difluoro-4-(2-(methyl(oxetan-3-yl)amino)ethoxy)benzyl)-9-hydroxy-5-methyl-7-oxo-N-(4-(trifluoromethyl)-2-(6-(trifluoromethyl)pyrimidin-4-yl)phenyl)-5,6-diazaspiro[3.5]non-8-ene-8-carboxamide;

7-[[2,3-difluoro-4-[2-[methyl(oxetan-3-yl)amino]ethoxy]phenyl]methyl]-10-hydroxy-6-methyl-8-oxo-N-[4-(trifluoromethyl)-2-[6-(trifluoromethyl)pyrimidin-4-yl]phenyl]-6,7-diazaspiro[4.5]dec-9-ene-9-carboxamide;

7-(2,3-difluoro-4-(2-(methyl(oxetan-3-yl)amino)ethoxy)benzyl)-10-hydroxy-6-methyl-8-oxo-N-(4-(trifluoromethyl)-2-(6-(trifluoromethyl)pyrimidin-4-yl)phenyl)-6,7-diazaspiro[4.5]dec-9-ene-9-carboxamide;

7-(4-(3-(dimethylamino)-2,2-dimethylpropoxy)-2,3-difluorobenzyl)-10-hydroxy-6-methyl-8-oxo-N-(4-(trifluoromethyl)-2-(6-(trifluoromethyl)pyrimidin-4-yl)phenyl)-6,7-diazaspiro[4.5]dec-9-ene-9-carboxamide;

6-[[2,3-difluoro-4-[1-(2-methoxyethyl)azetidin-3-yl]oxyphenyl]methyl]-9-hydroxy-5-methyl-7-oxo-N-[4-(trifluoromethyl)-2-[6-(trifluoromethyl)pyrimidin-4-yl]phenyl]-5,6-diazaspiro[3.5]non-8-ene-8-carboxamide;

7-[[2,3-difluoro-4-[4-[methyl-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]amino]-4-oxobutoxy]phenyl]methyl]-10-hydroxy-6-methyl-8-oxo-N-[4-(trifluoromethyl)-2-[6-(trifluoromethyl)pyrimidin-4-yl]phenyl]-6,7-diazaspiro[4.5]dec-9-ene-9-carboxamide;

7-[[2,3-difluoro-4-[2-[2-[methyl-[(2S,3R,4R,5R)-2,3,4,5,6-pentahydroxyhexyl]amino]ethoxy]ethoxy]phenyl]methyl]-10-hydroxy-6-methyl-8-oxo-N-[4-(trifluoromethyl)-2-[6-(trifluoromethyl)pyrimidin-4-yl]phenyl]-6,7-diazaspiro[4.5]dec-9-ene-

9-carboxamide;

7-[[2,3-difluoro-4-[2-[2-[2-[2-[2-methoxyethyl(methyl)amino]ethoxy]ethoxy]ethoxy]ethoxy]phenyl]methyl]-10-hydroxy-6-methyl-8-oxo-N-[4-(trifluoromethyl)-2-[6-(trifluoromethyl)pyrimidin-4-yl]phenyl]-6,7-diazaspiro[4.5]dec-9-ene-9-carboxamide;

2-[2-[2,3-difluoro-4-[[10-hydroxy-6-methyl-8-oxo-9-[[4-(trifluoromethyl)-2-[6-(trifluoromethyl)pyrimidin-4-yl]phenyl]carbamoyl]-6,7-diazaspiro[4.5]dec-9-en-7-yl]methyl]phenoxy]ethylamino]ethanesulfonic acid; and

2-[2-[2,3-difluoro-4-[[10-hydroxy-6-methyl-8-oxo-9-[[4-(trifluoromethyl)-2-[6-(trifluoromethyl)pyrimidin-4-yl]phenyl]carbamoyl]-6,7-diazaspiro[4.5]dec-9-en-7-yl]methyl]phenoxy]ethylamino]ethanesulfonic acid

or a salt thereof, or a solvate of the compound or the salt.

28. A compound, which is 7-[[2,3-Difluoro-4-[2-[2-methoxyethyl(methyl)amino]ethoxy]phenyl]methyl]-10-hydroxy-6-methyl-8-oxo-N-[4-(trifluoromethyl)-2-[6-(trifluoromethyl)pyrimidin-4-yl]phenyl]-6,7-diazaspiro[4.5]dec-9-ene-9-carboxamide, or a salt thereof, or a solvate of the compound or the salt.

29. The compound according to any one of claims 1 to 27 or the salt thereof, or the solvate of the compound or the salt for use in the prevention and/or treatment of a disease selected from hyperphosphatemia, secondary hyperparathyroidism, and chronic renal failure.

30. A preventive and/or therapeutic agent for a disease selected from hyperphosphatemia, secondary hyperparathyroidism, and chronic renal failure, the agent comprising a compound according to any one of claims 1 to 28 or a salt thereof, or a solvate of the compound or the salt as an active ingredient.

31. Use of a compound according to any one of claims 1 to 28 or a salt thereof, or a solvate of the compound or the salt to a patient in the manufacture of a medicament for the prevention and/or treatment of a disease selected from hyperphosphatemia, secondary hyperparathyroidism, and chronic renal failure, wherein the medicament is to be administered at a therapeutically effective amount.