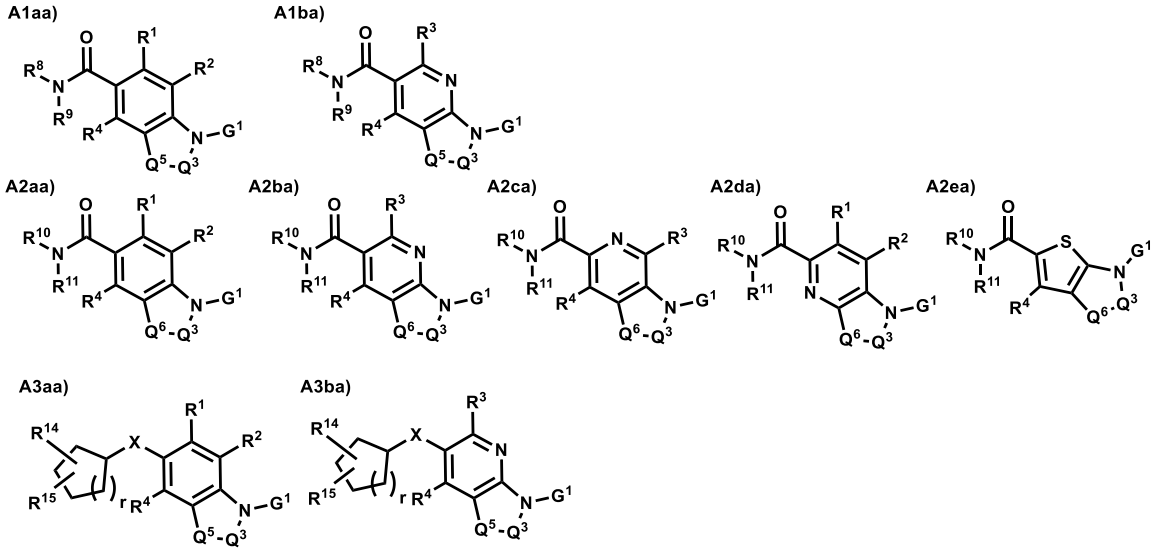
Claims

[Claim 1]

A compound represented by a formula selected from the group consisting of the following A1aa), A1ba), A2aa), A2ba), A2ca), A2da), A2ea), A3aa) and A3ba):



wherein Q^3 is $-(CH_2)_m-(CR^5R^6)_n-(CH_2)_p-$;

Q^5 is a methylene group, an oxygen atom, a sulfur atom or NR^7 group;

Q^6 is a single bond, a methylene group, an oxygen atom, a sulfur atom, a SO group, a SO_2 group, a methyleneoxy group or NR^7 group;

R^1 and R^2 are the same or different, and a hydrogen atom, a halogen atom, a C_1-C_3 alkyl group, a C_1-C_3 alkoxy group or a C_3-C_8 cycloalkyl group;

R^3 is a hydrogen atom, a C_1-C_3 alkyl group or a C_1-C_3 alkoxy group;

R^4 is a hydrogen atom, a halogen atom, a C_1-C_3 alkyl group, a C_1-C_3 alkoxy group or a C_3-C_8 cycloalkyl group;

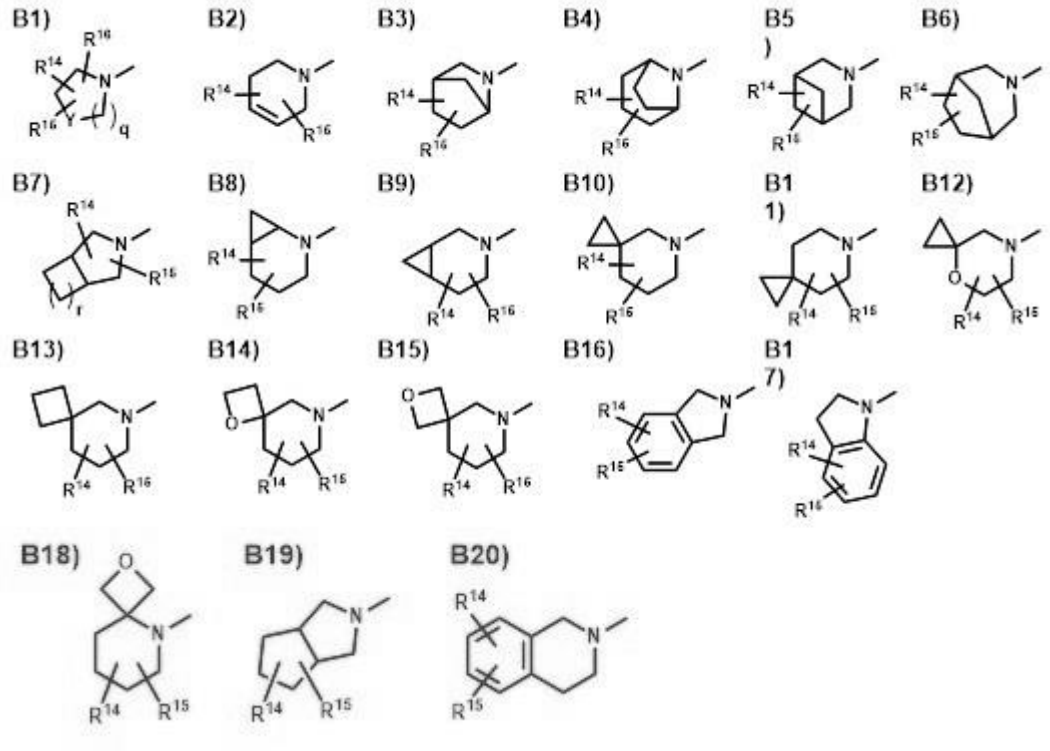
R^7 is a hydrogen atom or a C_1-C_3 alkyl group;

R^8 and R^9 are the same or different, and a hydrogen atom or a C_1-C_6 alkyl group optionally having one or more substituents selected from group D1;

when one of R^8 and R^9 is a hydrogen atom, the other is a C_1-C_6 alkyl group having one or more substituents selected from group D1;

R^5 and R^6 are the same or different, and a hydrogen atom, a halogen atom, or a C_1-C_3 alkyl group or a C_1-C_3 alkoxy group, each optionally having one or more substituents selected from group D1;

$NR^{10}R^{11}$ in $-CONR^{10}R^{11}$ is a group selected from the group consisting of the following B1) to B20):



R^{14}, R^{15} and R^{16} are the same or different, and a hydrogen atom, a halogen atom, a hydroxy group, a carbonyl group, a carboxyl group, a C_1-C_6 alkyl group, a halo C_1-C_6 alkyl group, a C_1-C_6 alkylcarbonyl group, a C_1-C_6 alkoxy group, a halo C_1-C_6 alkoxy group, a C_1-C_6 alkoxycarbonyl group, a C_1-C_6 alkylsulfonylamino group, an aminocarbonyl group optionally having one or two C_1-C_6 alkyl groups, an amino group optionally having one or two C_1-C_6 alkyl groups, or a 3- to 8-membered heterocycloalkyl group;

R^{14} and R^{15} are substituted optionally in any ring in the formula;

Y is a methylene group, an oxygen atom, a sulfur atom or a N-R^{17} group;

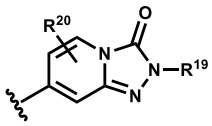
R^{17} is a hydrogen atom or a C_1-C_3 alkyl group optionally having one or more substituents selected from group D;

each of m, n and p is 0, 1 or 2, and m + n + p is an integer of 2 to 5;

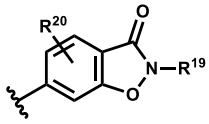
r is 0, 1, 2 or 3;

G^1 is a group selected from the group consisting of the following G1a), G1b), G1c), G1d), G1e), G1f), G1g), G1h), G1i), G1j), G1k), G1l), G1m), G1n), G1o), G1p), G1q), G1r), G1s), G1t), G1u), G1v), G1w), G1x), G1y), G1z), G1A), G1B), G1C), G1D), G1E), G1F), G1G), G1H), G1I), G1J), G1K), G1L), G1M), G1N), G1O), G1P), G1Q), G1R), G1S) and G1T):

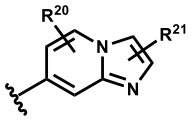
G1a)



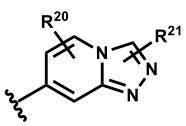
G1b)



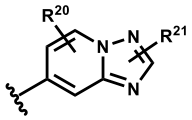
G1c)



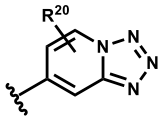
G1d)



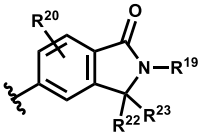
G1e)



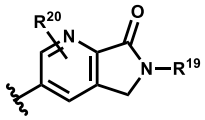
G1f)



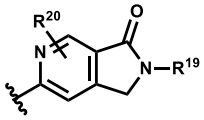
G1g)



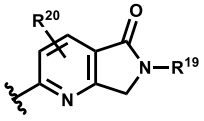
G1h)



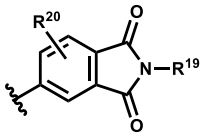
G1i)



G1j)



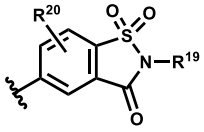
G1k)



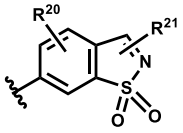
G1l)



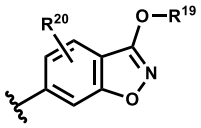
G1m)



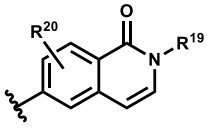
G1n)



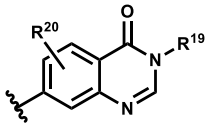
G1o)



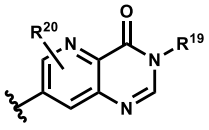
G1p)



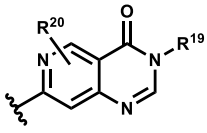
G1q)



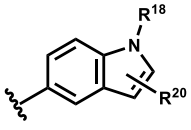
G1r)

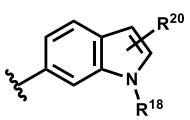


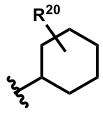
G1s)

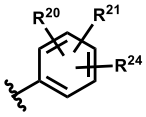


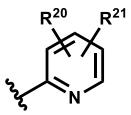
G1t)

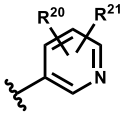


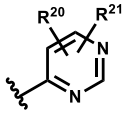
G1u) 

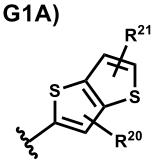
G1v) 

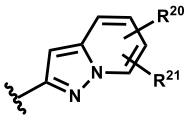
G1w) 

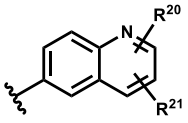
G1x) 

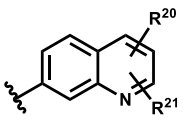
G1y) 

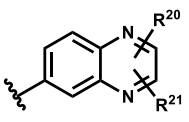
G1z) 

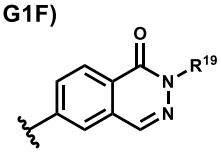
G1A) 

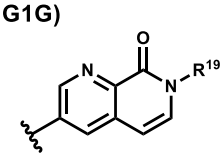
G1B) 

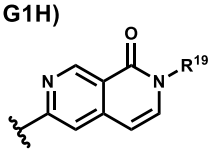
G1C) 

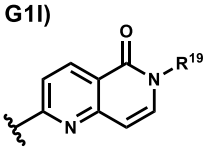
G1D) 

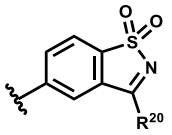
G1E) 

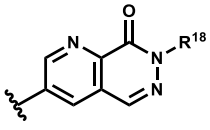
G1F) 

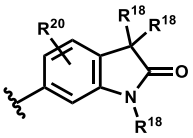
G1G) 

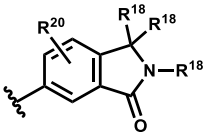
G1H) 

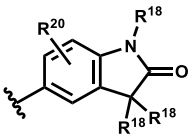
G1I) 

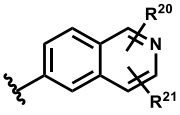
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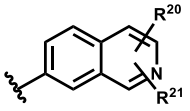
G1K) 

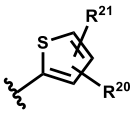
G1L) 

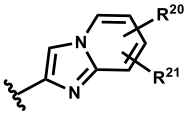
G1M) 

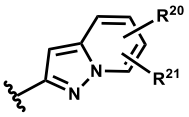
G1N) 

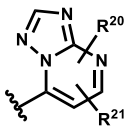
G1O) 

G1P) 

G1Q) 

G1R) 

G1S) 

G1T) 

R^{18} is a hydrogen atom or a C_1-C_3 alkyl group;

R^{19} is a hydrogen atom, a 3- to 8-membered heterocycloalkyl group containing an oxygen atom, or a C_3-C_8 cycloalkyl group, a hydroxyl C_1-C_6 alkyl group, a phenyl group, a phenyl C_1-C_3 alkyl group, a 6-membered aromatic heterocyclic group, a 6-membered aromatic heterocyclic C_1-C_3 alkyl group, a C_1-C_3 alkyl group, a halo C_1-C_3 alkyl group or a C_1-C_3 alkoxy C_1-C_3 alkyl group, each optionally having one or more substituents selected from group C;

R^{20} is a hydrogen atom, a halogen atom, a hydroxy group, a nitrile group, a carboxyl group, a formyl group; or C_1-C_6 alkyl group, a C_1-C_6 alkylcarbonyl group, a C_1-C_6 alkoxy group, a C_1-C_6 alkoxycarbonyl group, a C_1-C_6 alkylsulfonylamino group, a C_1-C_6 alkylsulfonyl group, a C_3-C_8 cycloalkyl group, a 3- to 8-membered heterocycloalkylcarbonyl group, a 3- to 8-membered

heterocycloalkylamino group or a 3- to 8-membered heterocycloalkylaminocarbonyl group, each optionally having one or more substituents selected from group A3; an aminocarbonyl group optionally having one or two C_1-C_6 alkyl groups optionally having one or more substituents selected from group B1; or a 5-membered aromatic heterocyclic group or a 6-membered aromatic heterocyclic group, each optionally having one or more substituents selected from group B1;

R^{21} is a hydrogen atom, a halogen atom, a hydroxy group, a nitrile group, a carboxyl group, a formyl group; or a C_1-C_6 alkyl group, a C_1-C_6 alkylcarbonyl group, a C_1-C_6 alkoxy group, a C_1-C_6 alkoxycarbonyl group, a C_1-C_6 alkylsulfonylamino group, a C_1-C_6 alkylsulfonyl group, a C_3-C_8 cycloalkyl group, a 3- to 8-membered heterocycloalkylcarbonyl group, a 3- to 8-membered heterocycloalkylamino group or a 3- to 8-membered heterocycloalkylaminocarbonyl group, each optionally having one or more substituents selected from group B1; an amino group or an aminocarbonyl group, each optionally having one or two C_1-C_6 alkyl groups optionally having, in an amino group, one or more substituents selected from group A3; or a 5-membered aromatic heterocyclic group or a 6-membered aromatic heterocyclic group, each optionally having one or more substituents selected from group B1;

R^{20} and R^{21} are substituted optionally in any ring in the formula;

R^{22} and R^{23} are the same or different, and a hydrogen atom, a halogen atom or a C_1-C_3 alkyl group;

R^{24} is a hydrogen atom or a substituent selected from group B1;

X is -C(=O)-, -CH(OH)-, -S-, -SO- or -SO_2-;

group A3 consists of a halogen atom, a hydroxy group, a nitrile group, a carboxyl group, a formyl group, a C_1-C_6 alkyl group, a C_1-C_6 alkylcarbonyl group, a C_1-C_6 alkoxy group, a C_1-C_6 alkoxycarbonyl group and a C_1-C_6 alkylsulfonylamino group;

group B1 consists of a halogen atom, a hydroxy group, a carbonyl group, a carboxyl group, a C_1-C_6 alkyl group, a halo C_1-C_6 alkyl group, a C_1-C_6 alkylcarbonyl group, a C_1-C_6 alkoxy group, a halo C_1-C_6 alkoxy group, a C_1-C_6 alkoxycarbonyl group, a C_1-C_6 alkylsulfonylamino group, an aminocarbonyl group optionally having one or two C_1-C_6 alkyl groups, an amino group optionally having one or two C_1-C_6 alkyl groups, and a 3- to 8-membered heterocycloalkyl group;

group C consists of a halogen atom, a hydroxy group, a nitrile group, a carboxyl group, a C_1-C_6 alkylcarbonyl group, a C_1-C_6 alkoxy group, a C_1-C_6 alkoxycarbonyl group, an aminocarbonyl group optionally having one or two C_1-C_6 alkyl groups, an amino group optionally having one or two C_1-C_6 alkyl groups, and a 3- to 8-membered heterocycloalkyl group;

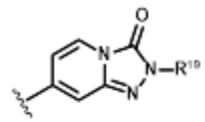
group D consists of a halogen atom, a hydroxy group, a carboxyl group, a C_1-C_6 alkylcarbonyl group, a C_1-C_6 alkoxy group, a C_1-C_6 alkoxycarbonyl group, an aminocarbonyl group optionally having one or two C_1-C_6 alkyl groups, a C_1-C_6 alkylsulfonyl group, an aminosulfonyl group optionally having one or two C_1-C_6 alkyl groups, a C_1-C_6 alkylsulfonylamino group, an amino group optionally having one or two C_1-C_6 alkyl groups, and a 3- to 8-membered heterocycloalkyl group; and

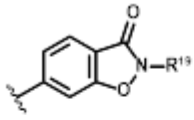
group D1 consists of a halogen atom, a hydroxy group, a carboxyl group, a C_1-C_6 alkylcarbonyl group, a C_1-C_6 alkoxy group and a C_1-C_6 alkoxycarbonyl group,
or a pharmacologically acceptable salt thereof.

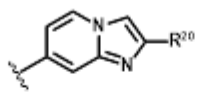
[Claim 2]

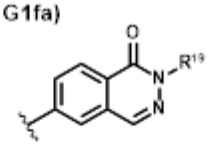
The compound according to claim 1, or a pharmacologically acceptable salt thereof,

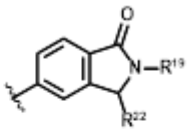
wherein G^1 is a group selected from the group consisting of the following G1aa), G1ba), G1ca) , G1fa), G1ga), G1ha) , G1ia), G1la), G1oa), G1pa), G1qa), G1va), G1wa), G1xa), G1ya) and G1Aa):

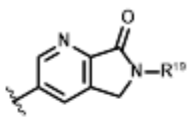
G1aa) 

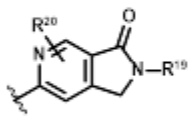
G1ba) 

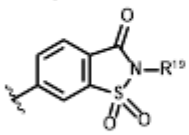
G1ca) 

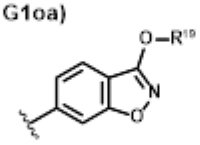
G1fa) 

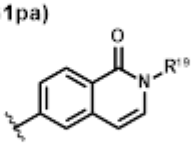
G1ga) 

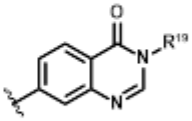
G1ha) 

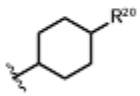
G1ia) 

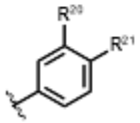
G1la) 

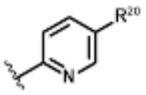
G1oa) 

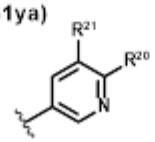
G1pa) 

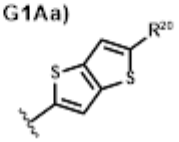
G1qa) 

G1va) 

G1wa) 

G1xa) 

G1ya) 

G1Aa) 

wherein R^{19} is a hydrogen atom, a 3- to 8-membered heterocycloalkyl group containing an oxygen atom, or a C_3-C_8 cycloalkyl group, a hydroxyl C_1-C_6 alkyl group, a phenyl group, a phenyl C_1-C_3 alkyl group, a 6-membered aromatic heterocyclic group, a 6-membered aromatic heterocyclic C_1-C_3 alkyl group, a C_1-C_3 alkyl group, a halo C_1-C_3 alkyl group or a C_1-C_3 alkoxy C_1-C_3 alkyl group, each optionally having one or more substituents selected from group C;

R^{20} is a hydrogen atom, a halogen atom, a hydroxy group, a nitrile group, a carboxyl group, a formyl group; or C_1-C_6 alkyl group, a C_1-C_6 alkylcarbonyl group, a C_1-C_6 alkoxy group, a C_1-C_6 alkoxycarbonyl group, a C_1-C_6 alkylsulfonylamino group, a C_1-C_6 alkylsulfonyl group, a C_3-C_8 cycloalkyl group, a 3- to 8-membered heterocycloalkylcarbonyl group, a 3- to 8-membered heterocycloalkylamino group or a 3- to 8-membered heterocycloalkylaminocarbonyl group, each optionally having one or more substituents selected from group A3; an aminocarbonyl group optionally having one or two C_1-C_6 alkyl groups optionally having one or more substituents selected from group B1; or a 5-membered aromatic heterocyclic group or a 6-membered aromatic heterocyclic group, each optionally having one or more substituents selected from group B1;

R^{21} is a hydrogen atom, a halogen atom, a hydroxy group, a nitrile group, a carboxyl group, a formyl group; or a C_1-C_6 alkyl

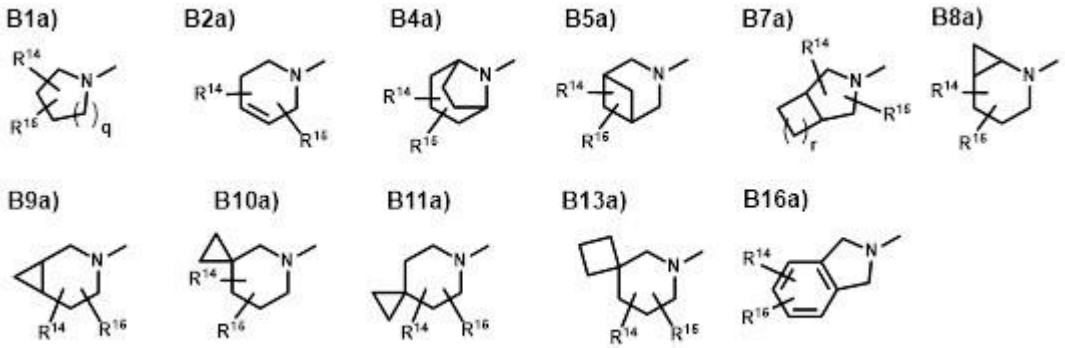
group, a C_1-C_6 alkylcarbonyl group, a C_1-C_6 alkoxy group, a C_1-C_6 alkoxycarbonyl group, a C_1-C_6 alkylsulfonylamino group, a C_1-C_6 alkylsulfonyl group, a C_3-C_8 cycloalkyl group, a 3- to 8-membered heterocycloalkylcarbonyl group, a 3- to 8-membered heterocycloalkylamino group or a 3- to 8-membered heterocycloalkylaminocarbonyl group, each optionally having one or more substituents selected from group B1; an amino group or an aminocarbonyl group, each optionally having one or two C_1-C_6 alkyl groups optionally having, in an amino group, one or more substituents selected from group A3; or a 5-membered aromatic heterocyclic group or a 6-membered aromatic heterocyclic group, each optionally having one or more substituents selected from group B1; and

R^{22} is a hydrogen atom, a halogen atom or a C_1-C_3 alkyl group.

[Claim 3]

The compound according to claim 2, or a pharmacologically acceptable salt thereof,

wherein $NR^{10}R^{11}$ in $-CONR^{10}R^{11}$ is a group selected from the group consisting of the following B1a), B2a), B4a), B5a), B7a), B8a), B9a), B10a), B11a), B13a) and B16a):



wherein R^{14} and R^{15} are the same or different, and a hydrogen atom, a halogen atom, a hydroxy group, a nitrile group, a carboxyl group, a C_1-C_6 alkyl group, a C_1-C_6 alkylcarbonyl group, a C_1-C_6

alkoxy group, a C_1-C_6 alkoxycarbonyl group or a halo C_1-C_6 alkyl group;

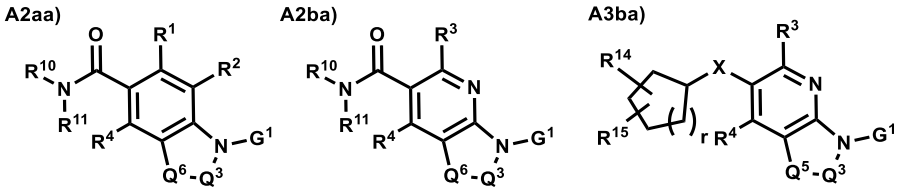
R^{14} and R^{15} are substituted optionally in any ring in the formula; and

each of q and r is 0, 1, 2 or 3.

[Claim 4]

The compound according to claim 3, or a pharmacologically acceptable salt thereof,

wherein the compound is represented by a formula selected from the group consisting of the following A2aa), A2ba) and A3ba):



wherein Q^6 is a single bond, a methylene group, an oxygen atom,a methyleneoxy group or NR^7 group;

Q^3 is $-(CH_2)_m-(CR^5R^6)_n-(CH_2)_p-$;

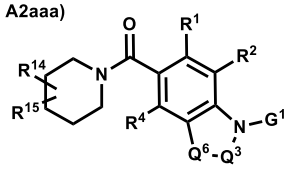
R^5 and R^6 are the same or different, and a hydrogen atom, a halogen atom, a C_1-C_3 alkyl group, a C_1-C_3 alkoxy group or a halo C_1-C_3 alkyl group; and

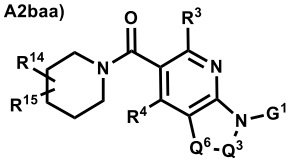
each of m, n and p is 0, 1 or 2, and m + n + p is an integer of 2 to 5.

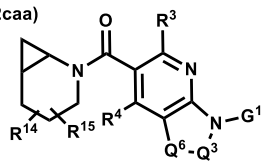
[Claim 5]

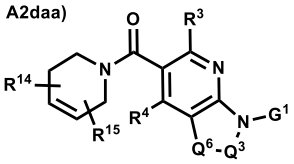
The compound according to claim 4, or a pharmacologically acceptable salt thereof,

wherein the compound is represented by a formula selected from the group consisting of the following A2aaa), A2baa), A2caa) and A2daa):

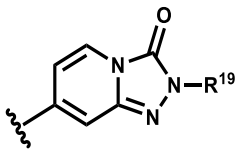
A2aaa) 

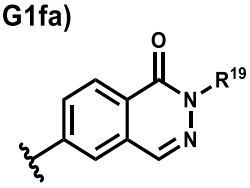
A2baa) 

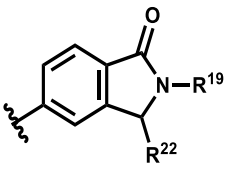
A2caa) 

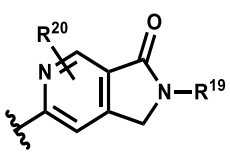
A2daa) 

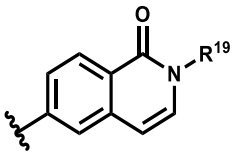
wherein G^1 is a group selected from the group consisting of the following G1aa), G1fa), G1ga), G1ia), G1pa), G1qa) and G1ya):

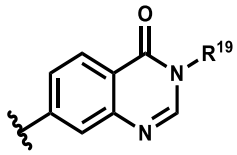
G1aa) 

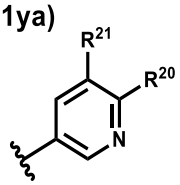
G1fa) 

G1ga) 

G1ia) 

G1pa) 

G1qa) 

G1ya) 

Q^3 is $-(CH_2)_m-(CR^5R^6)_n-(CH_2)_p-$;

Q^6 is a single bond, a methylene group, an oxygen atom, or NR^7 group;

R^1 and R^2 are the same or different, and a hydrogen atom, a halogen atom or a C_1-C_3 alkyl group;

R^3 is a hydrogen atom or a C_1-C_3 alkyl group;

R^4 is a hydrogen atom, a halogen atom or a C_1-C_3 alkyl group;

R^{14} and R^{15} are the same or different, and a hydrogen atom, a fluorine atom, a chlorine atom, a C_1-C_3 alkyl group or a halo C_1-C_3 alkyl group;

R^5 and R^6 are the same or different, and a hydrogen atom, a halogen atom or a C_1-C_3 alkyl group;

R^7 is a hydrogen atom or a C_1-C_3 alkyl group;

R^{19} is a hydrogen atom, a C_1-C_3 alkyl group, a C_1-C_6 alkoxy C_1-C_3 alkyl group, a C_1-C_6 alkoxycarbonyl C_1-C_3 alkyl group or a 3- to 8-membered heterocycloalkyl C_1-C_3 alkyl group;

R^{20} is a hydrogen atom, a halogen atom, a nitrile group, a carboxyl group, formyl group, a hydroxy C_1-C_6 alkyl group, a C_1-C_6

alkoxycarbonyl group or a aminocarbonyl group optionally having one or two C_1-C_6 alkyl groups;

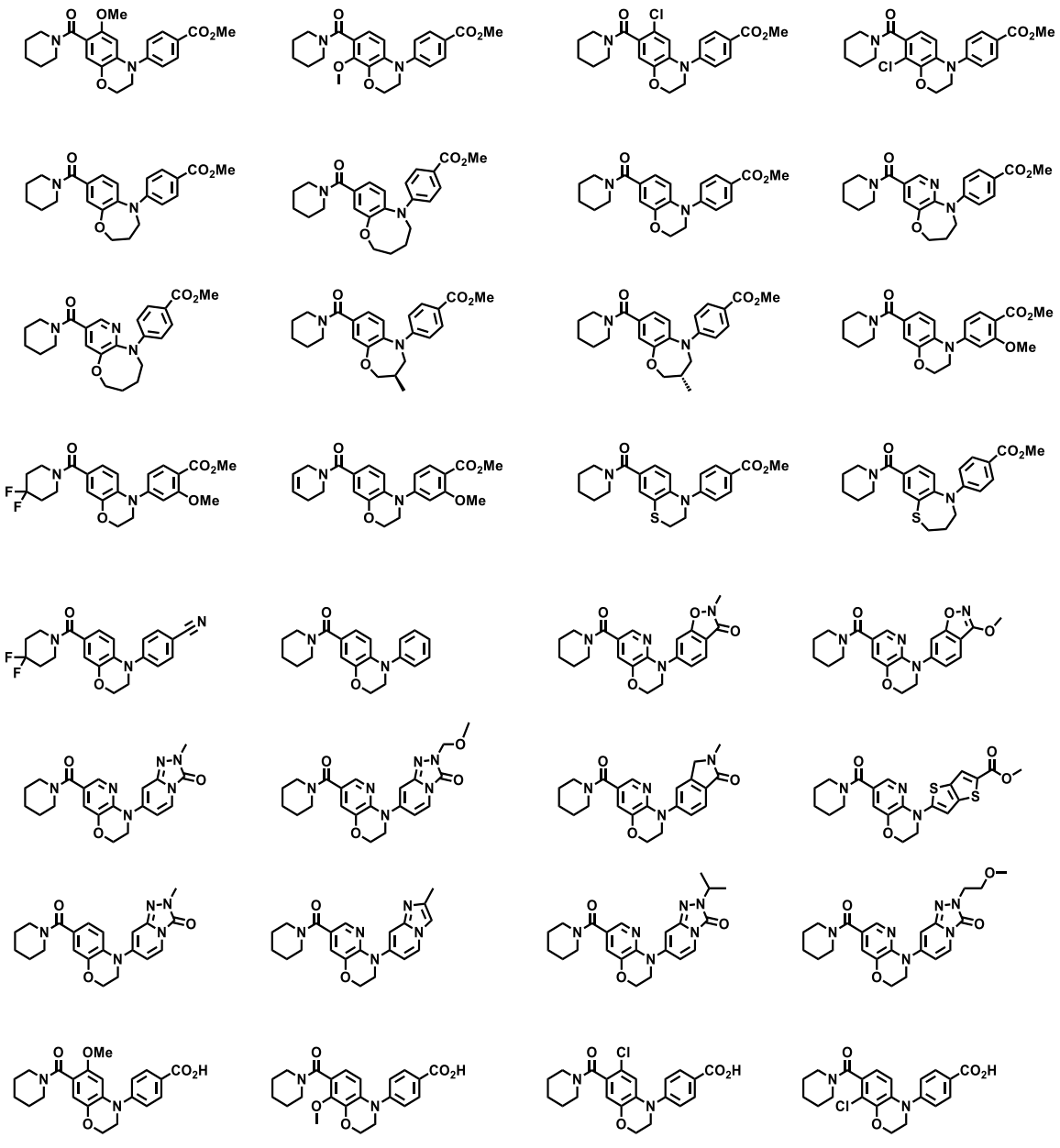
R^{21} is a hydrogen atom or a halogen atom; R^{22} is a hydrogen atom or a C_1-C_3 alkyl group; and

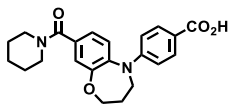
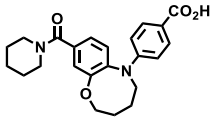
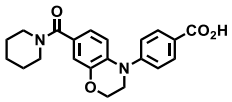
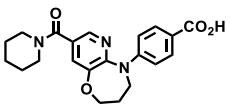
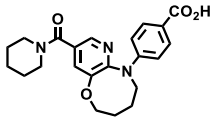
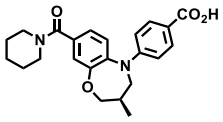
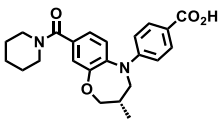
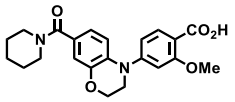
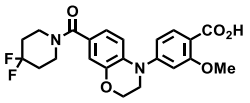
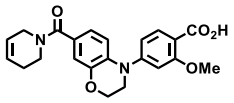
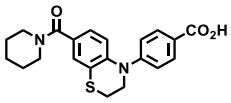
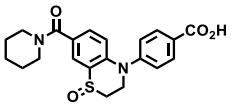
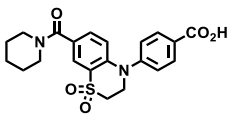
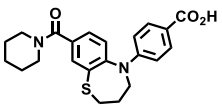
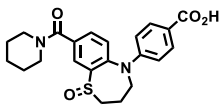
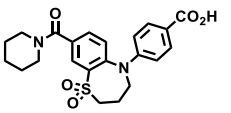
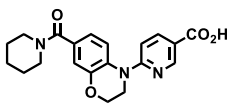
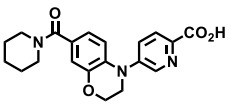
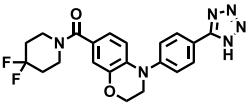
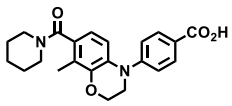
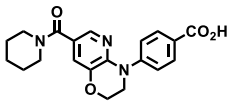
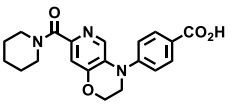
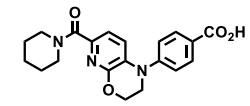
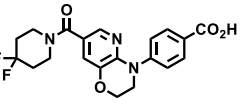
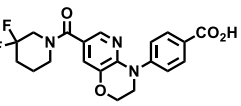
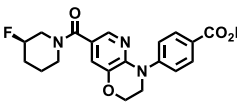
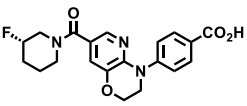
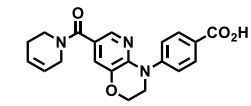
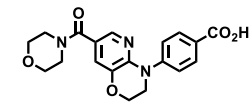
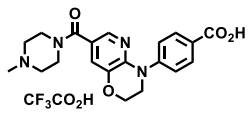
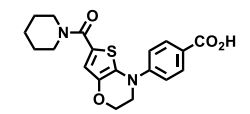
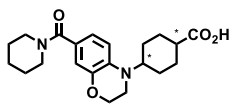
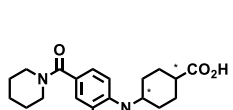
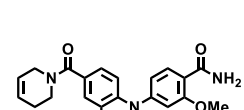
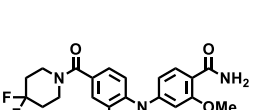
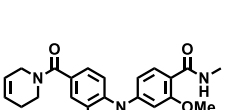
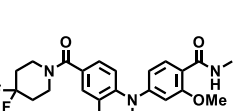
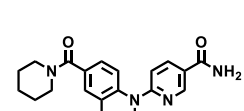
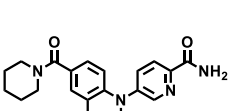
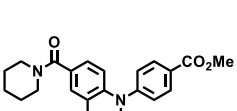
each of m, n and p is 0, 1 or 2, and m + n + p is an integer of 2 to 5.

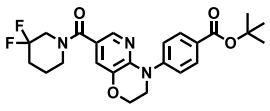
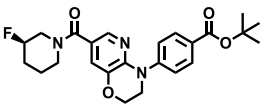
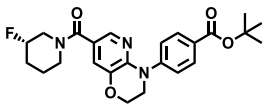
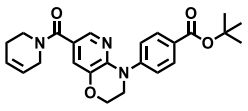
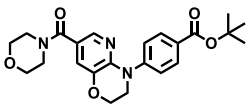
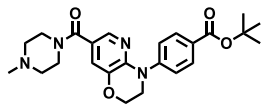
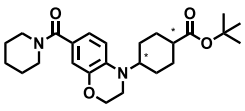
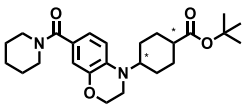
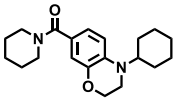
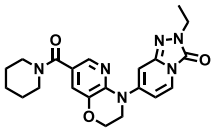
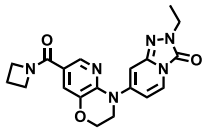
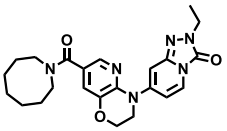
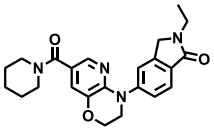
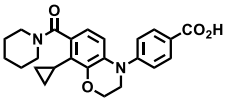
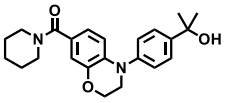
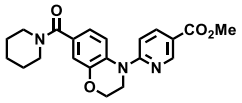
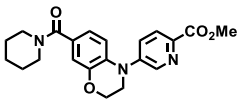
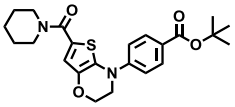
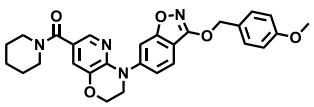
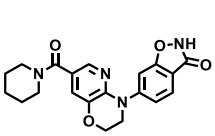
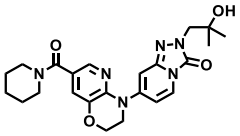
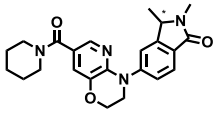
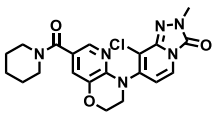
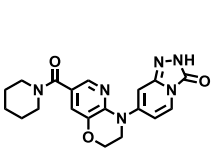
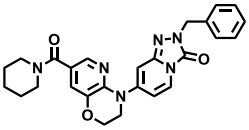
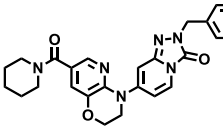
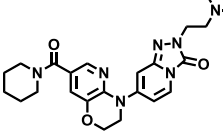
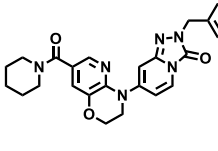
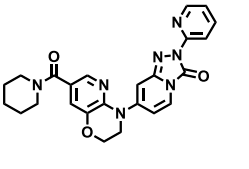
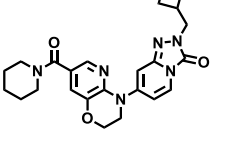
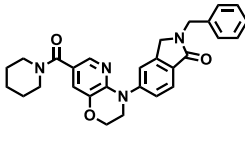
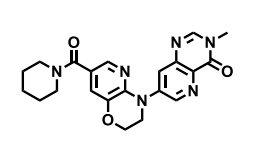
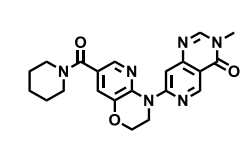
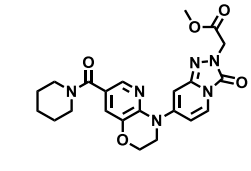
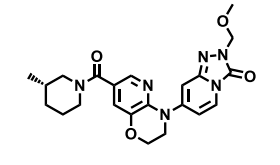
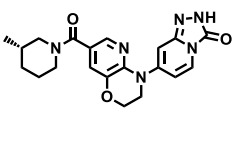
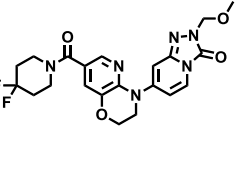
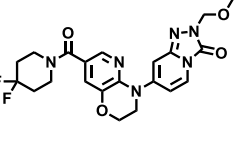
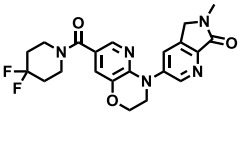
[Claim 6]

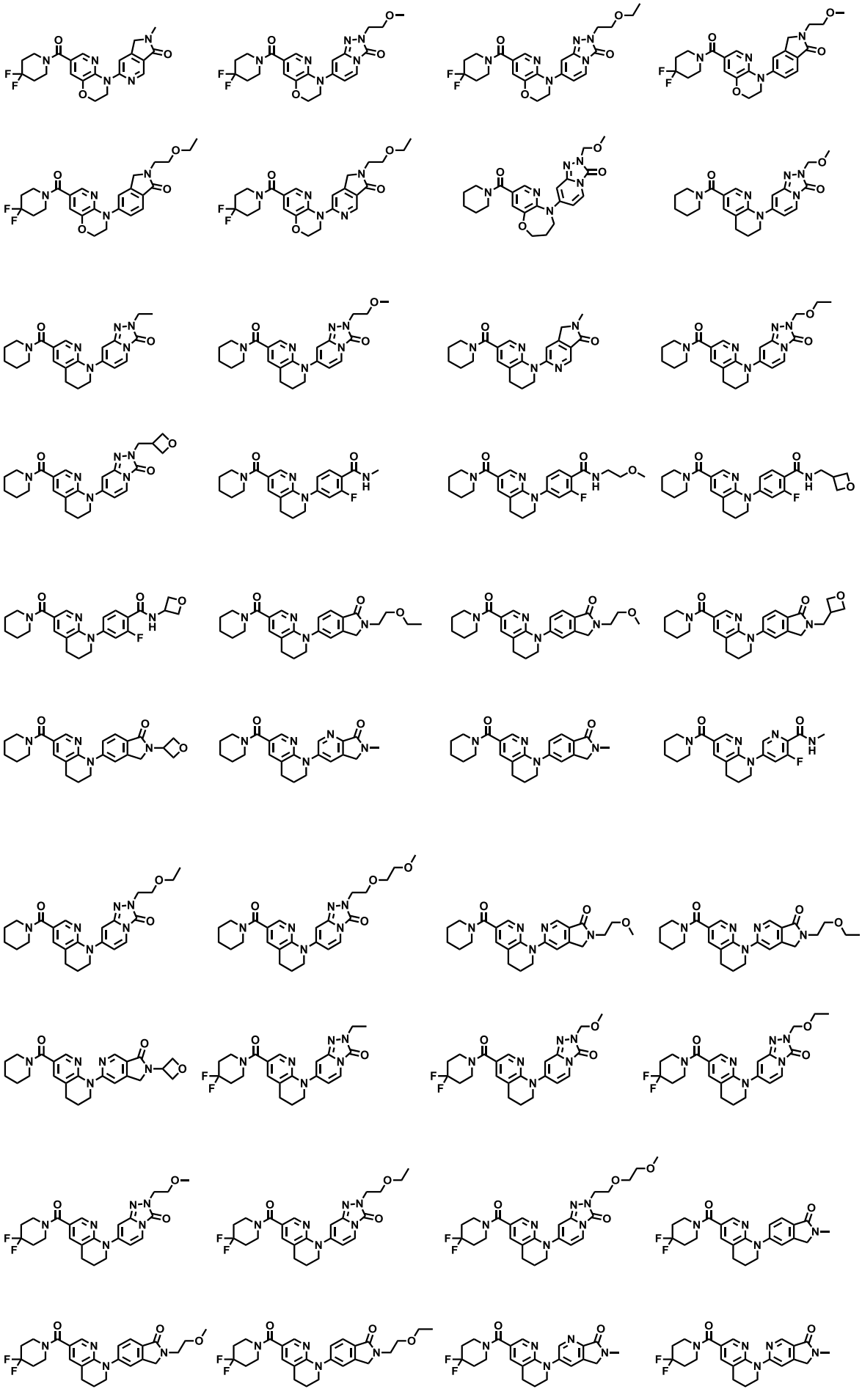
The compound according to claim 1, or a pharmacologically acceptable salt thereof,

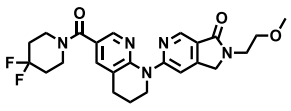
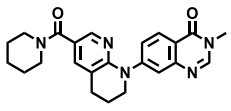
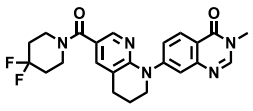
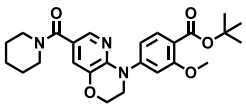
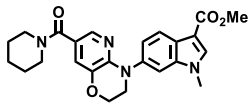
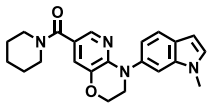
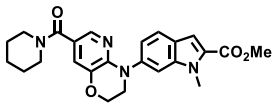
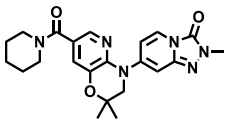
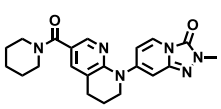
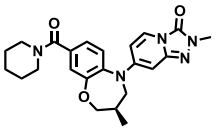
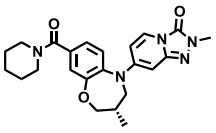
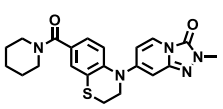
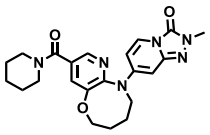
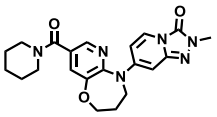
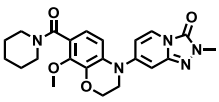
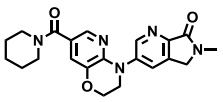
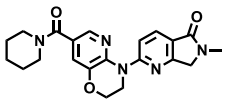
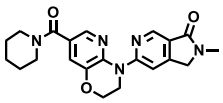
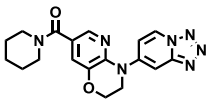
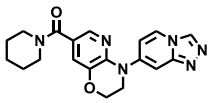
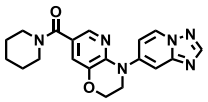
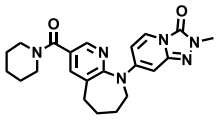
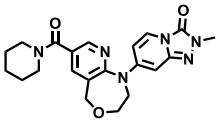
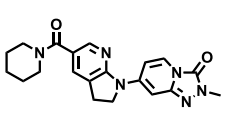
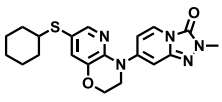
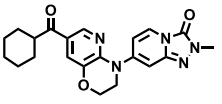
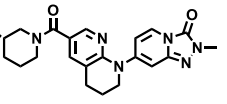
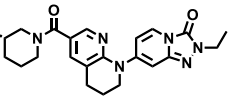
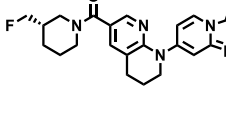
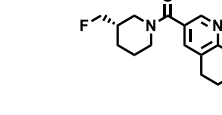
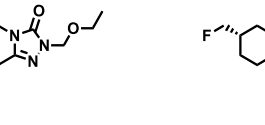
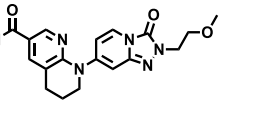
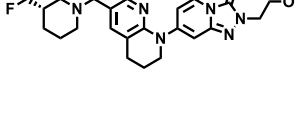
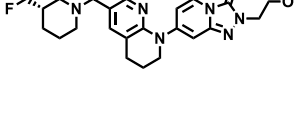
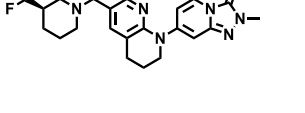
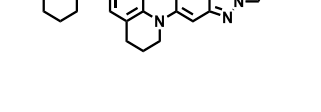
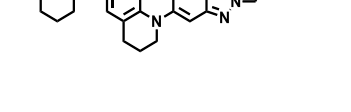
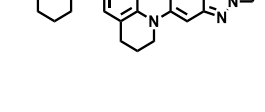
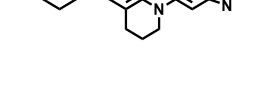
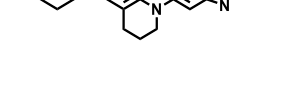
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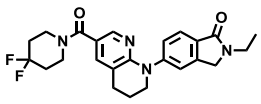
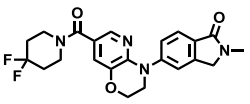
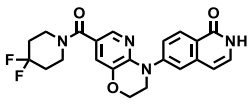
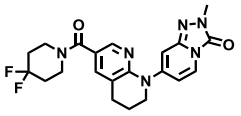
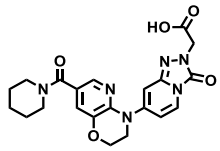
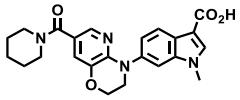
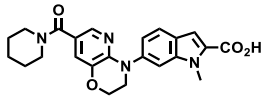
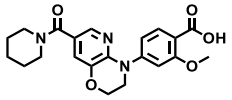
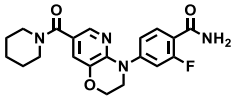
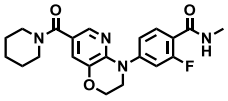
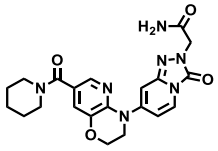
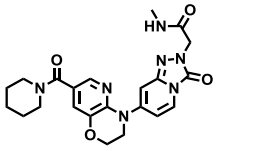
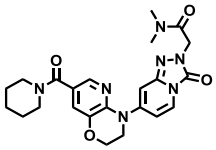
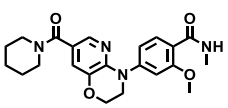
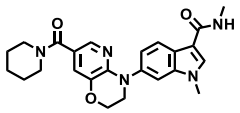
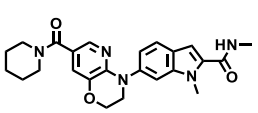
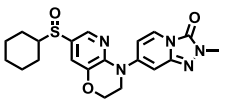
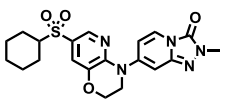
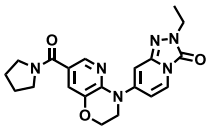
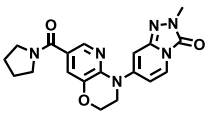
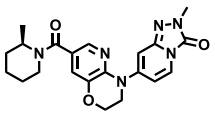
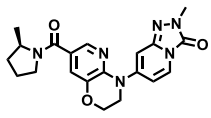
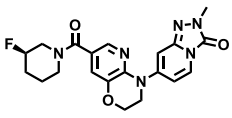
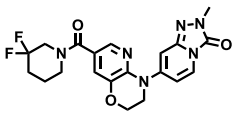
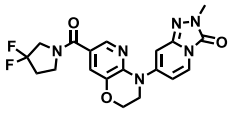
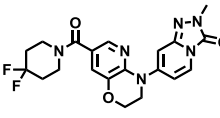
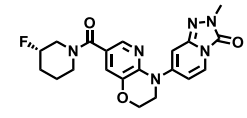
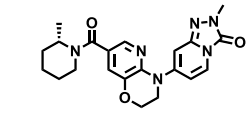
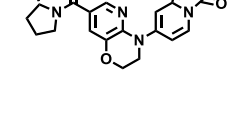
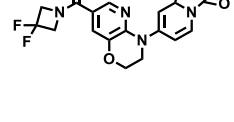
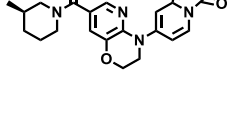
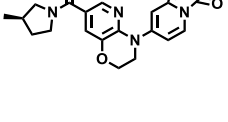
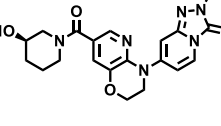
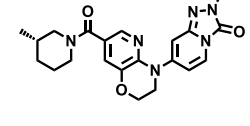
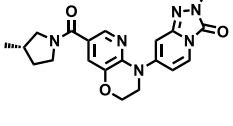
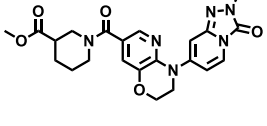
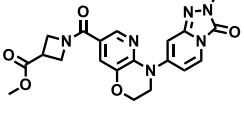
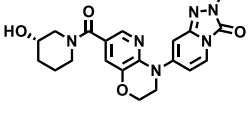
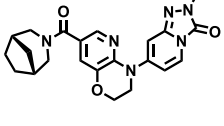
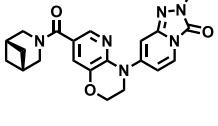


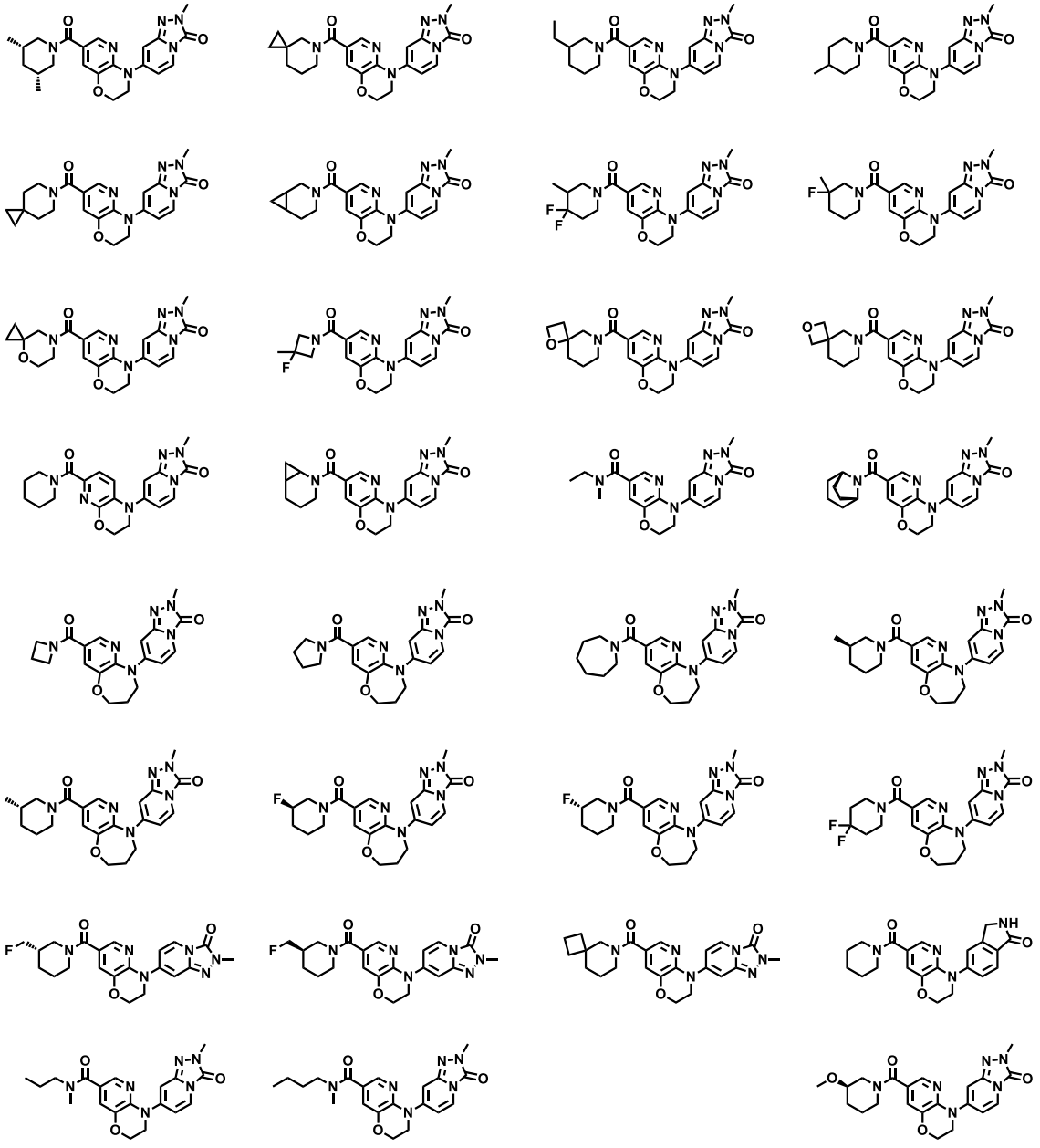









































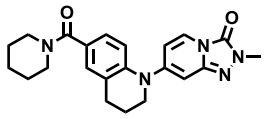
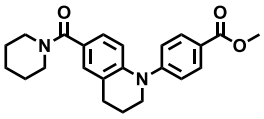
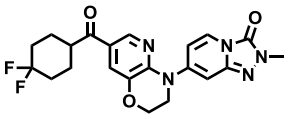
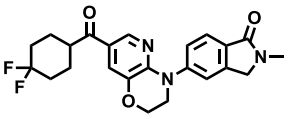
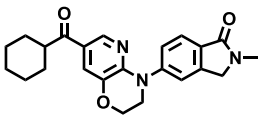
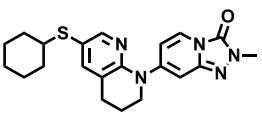
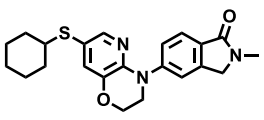
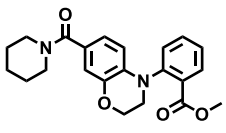
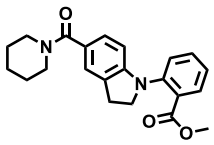
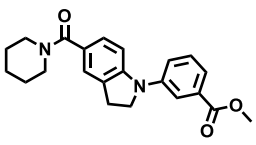
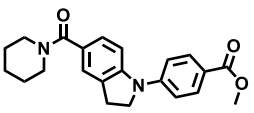
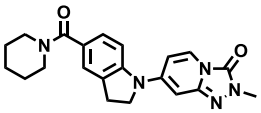
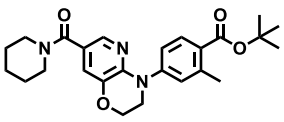
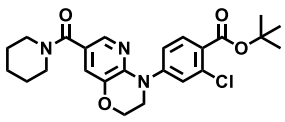
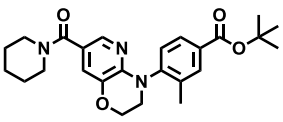
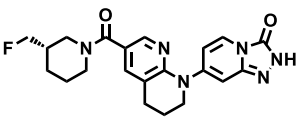
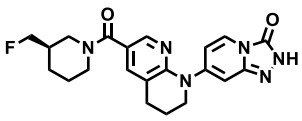
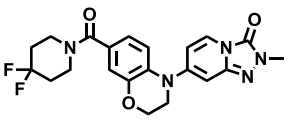
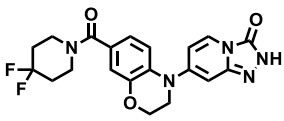
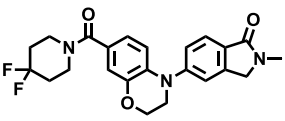
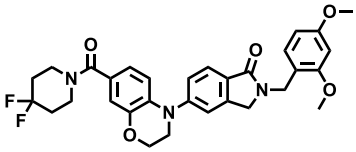
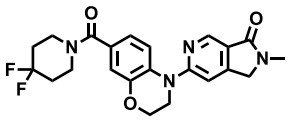
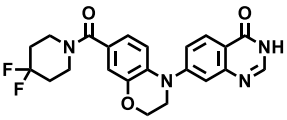
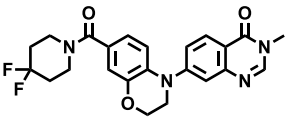
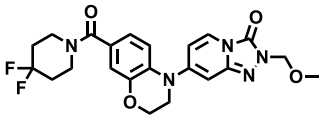
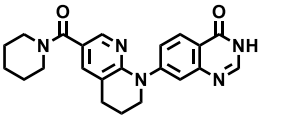
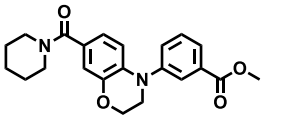
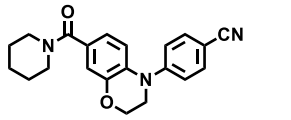
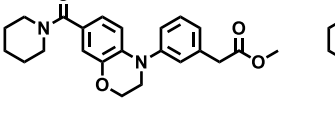
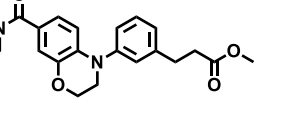
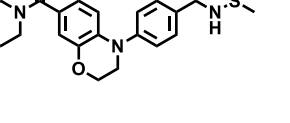








































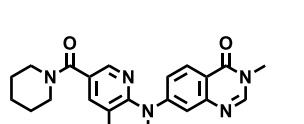
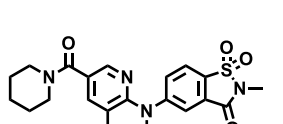
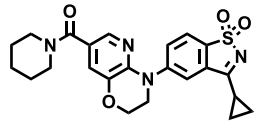
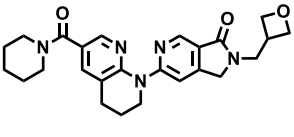
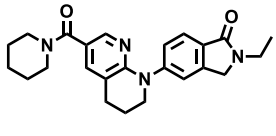


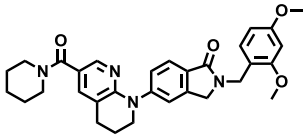
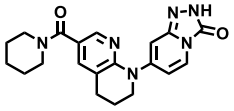
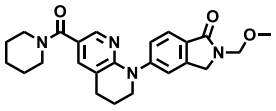
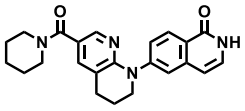
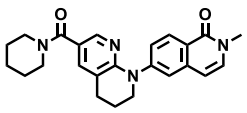
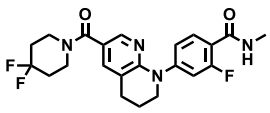
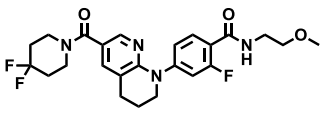
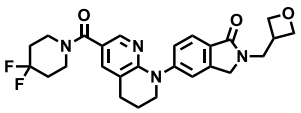
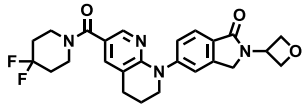
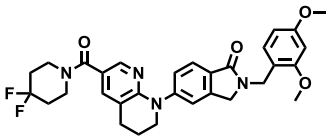
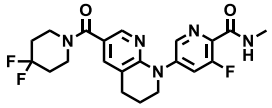
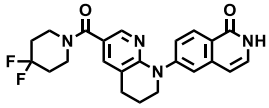
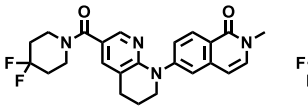
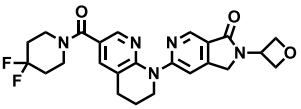
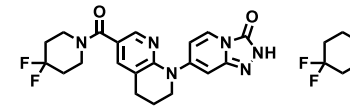
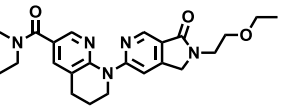
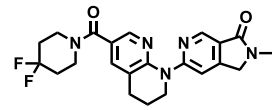
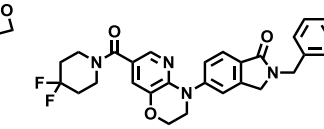
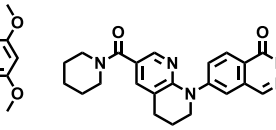
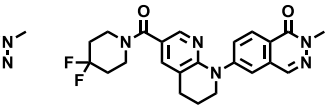
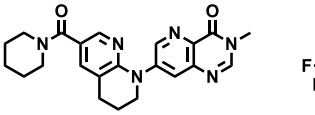









































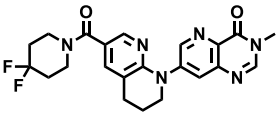
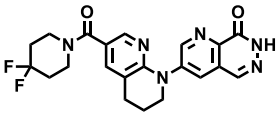
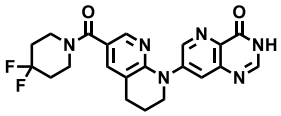
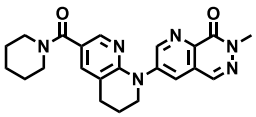
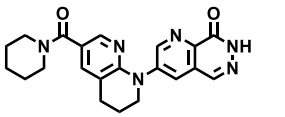
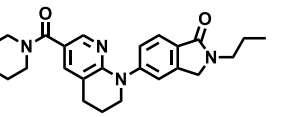
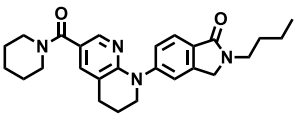
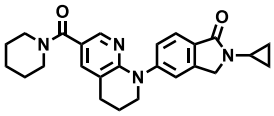
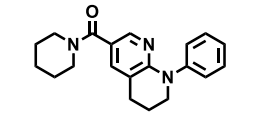
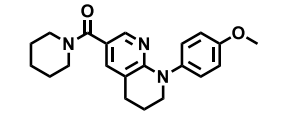
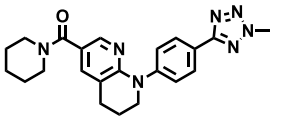
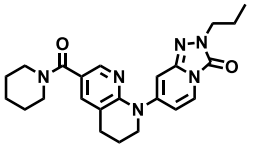
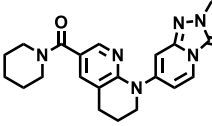
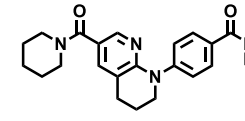
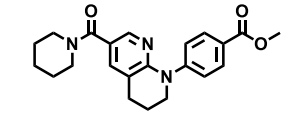









































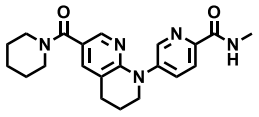
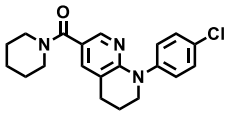
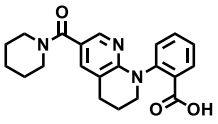
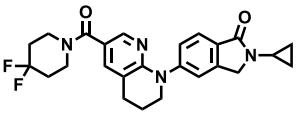
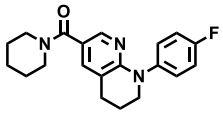
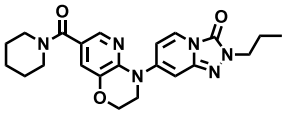
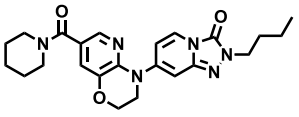
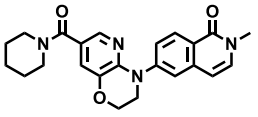
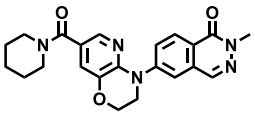
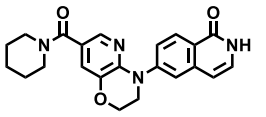
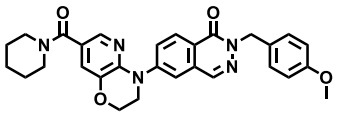
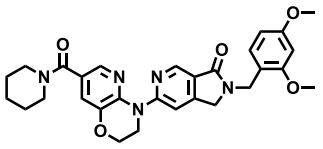
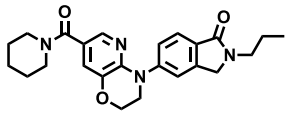
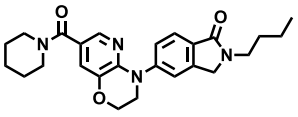
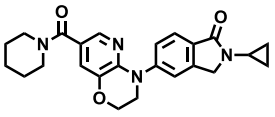
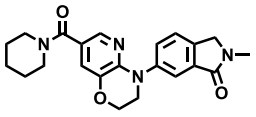
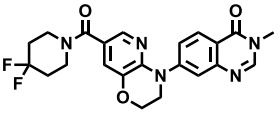
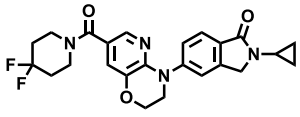
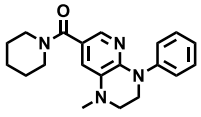
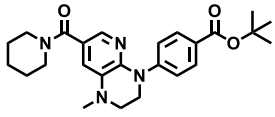
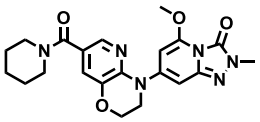
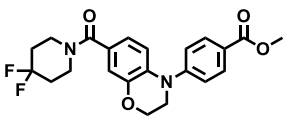
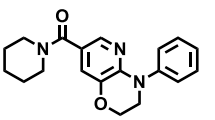
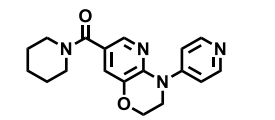
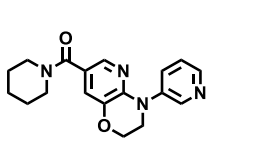
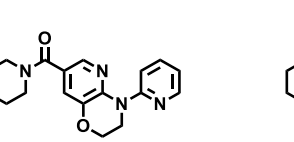
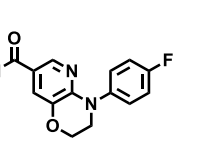
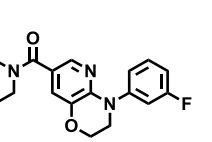
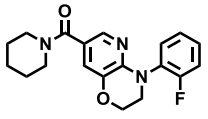
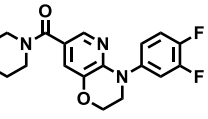
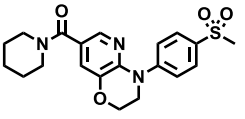
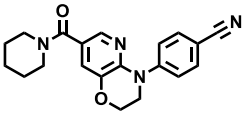
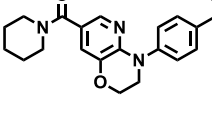
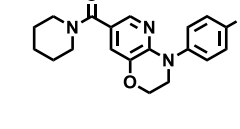
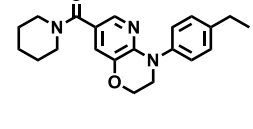
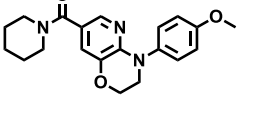
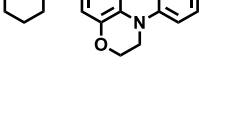
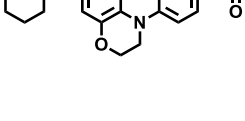
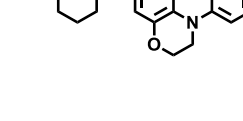
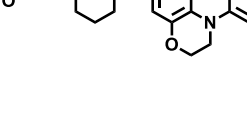


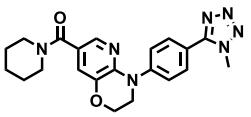
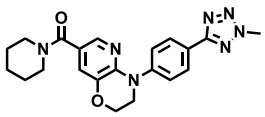
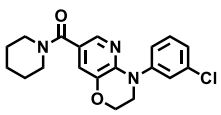
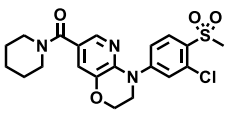
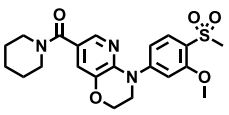
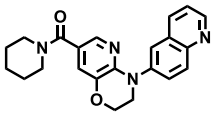
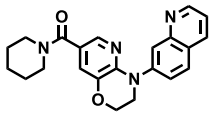
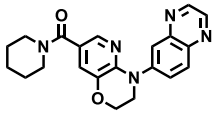
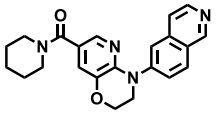
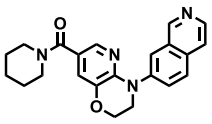
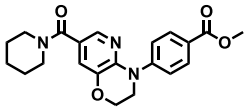
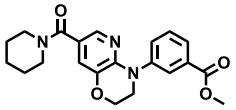
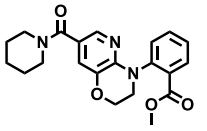
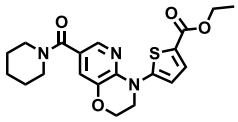
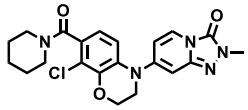
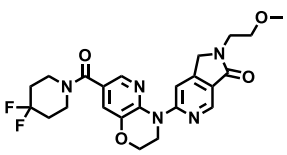
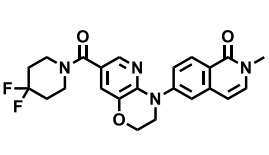
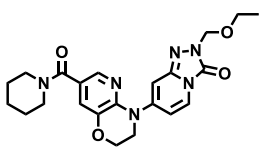
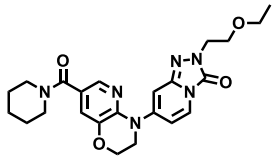
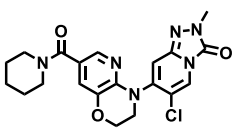
































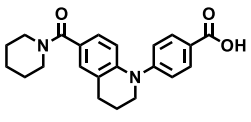
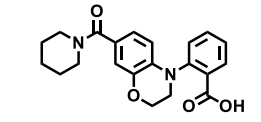
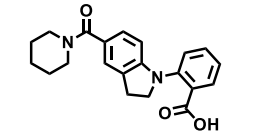
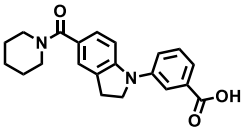
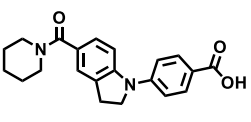
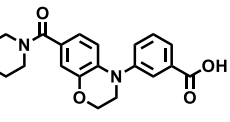
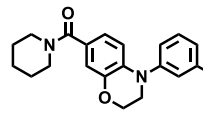
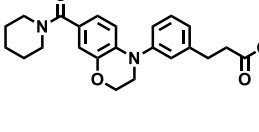
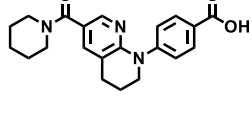
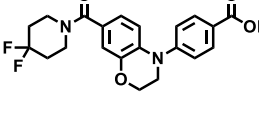
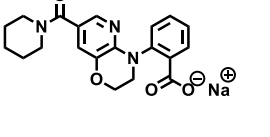
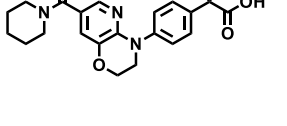
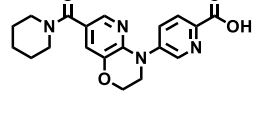
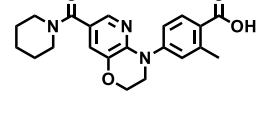
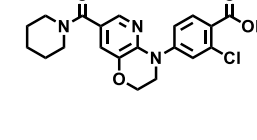
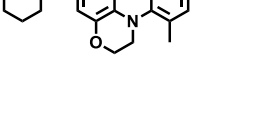
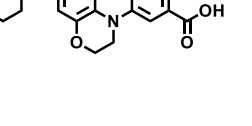
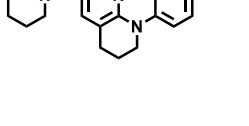
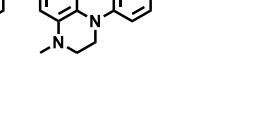






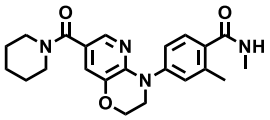
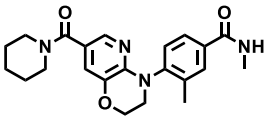
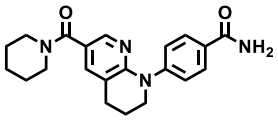
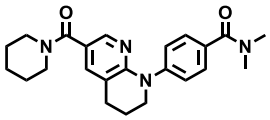
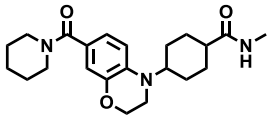
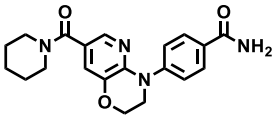
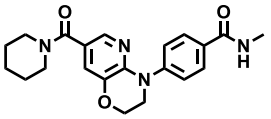
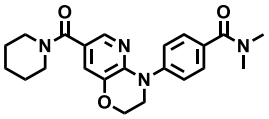
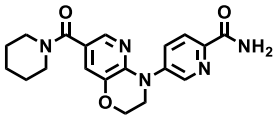
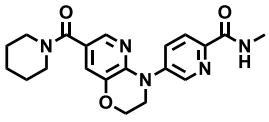
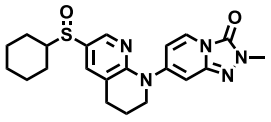
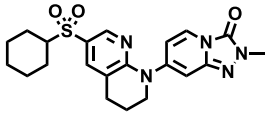
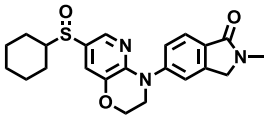
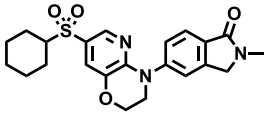
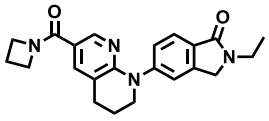
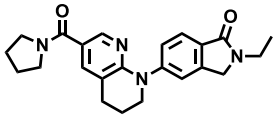
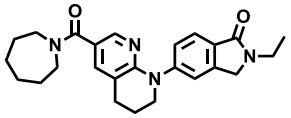
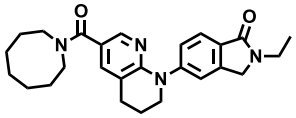
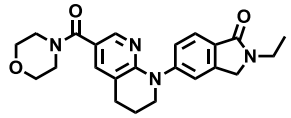
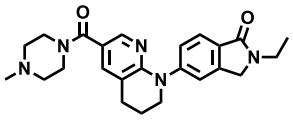
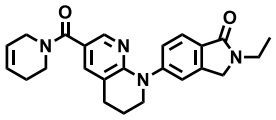
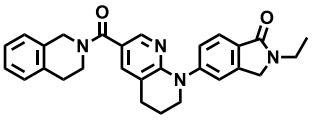
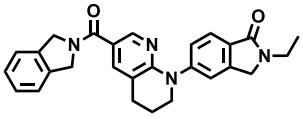
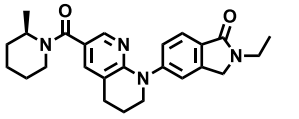
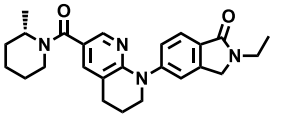
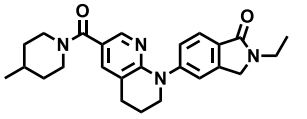
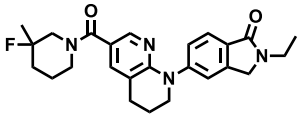
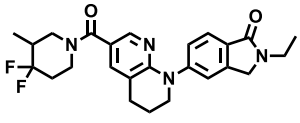
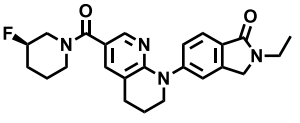
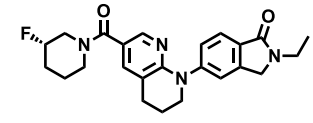
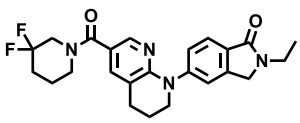
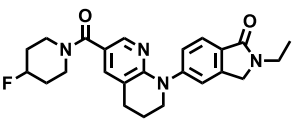
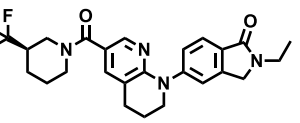
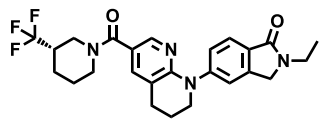
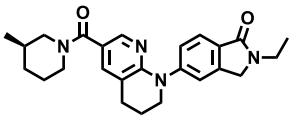
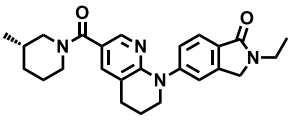
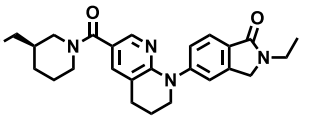
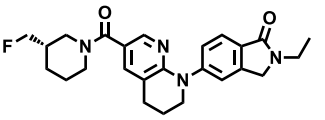






















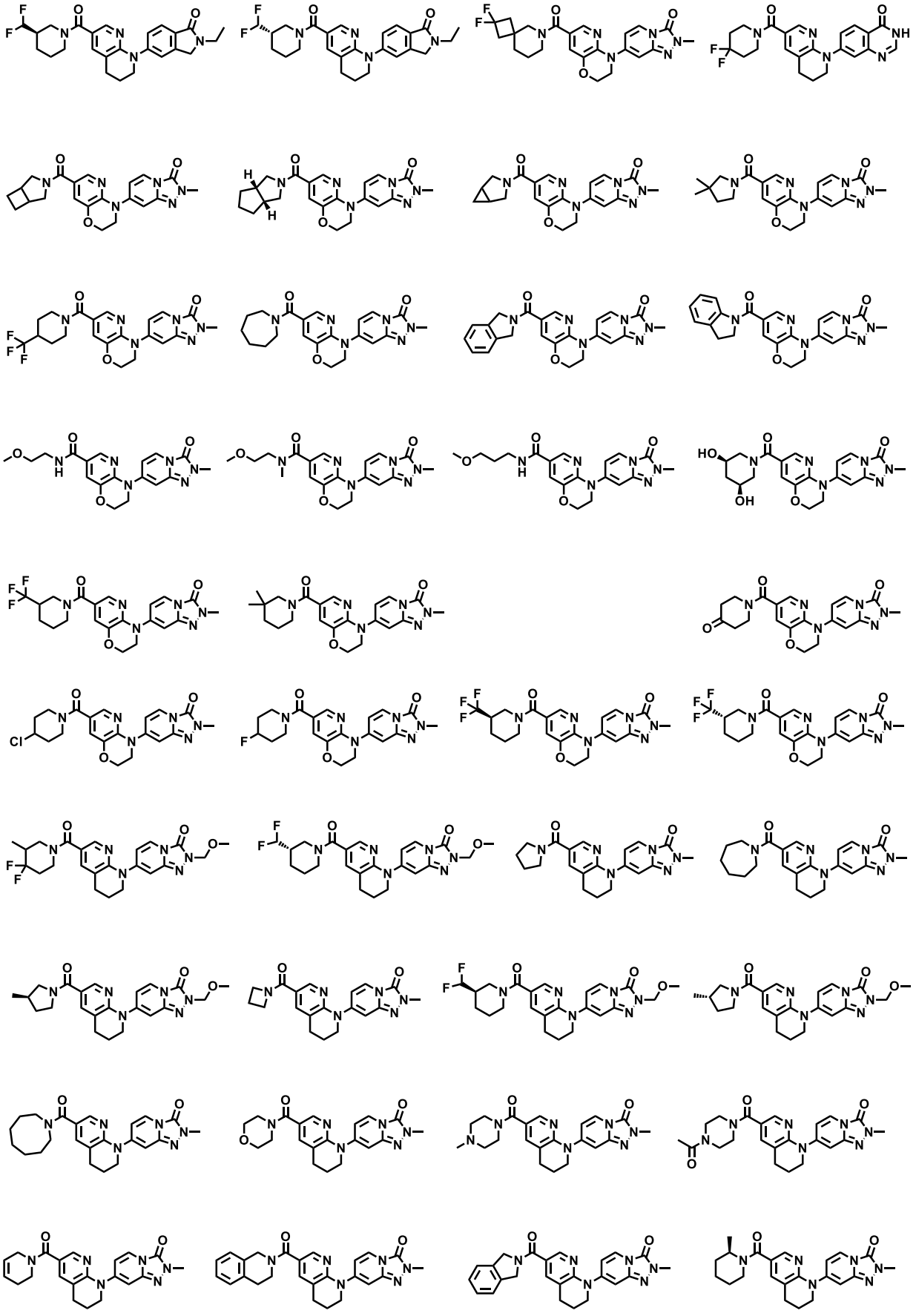
















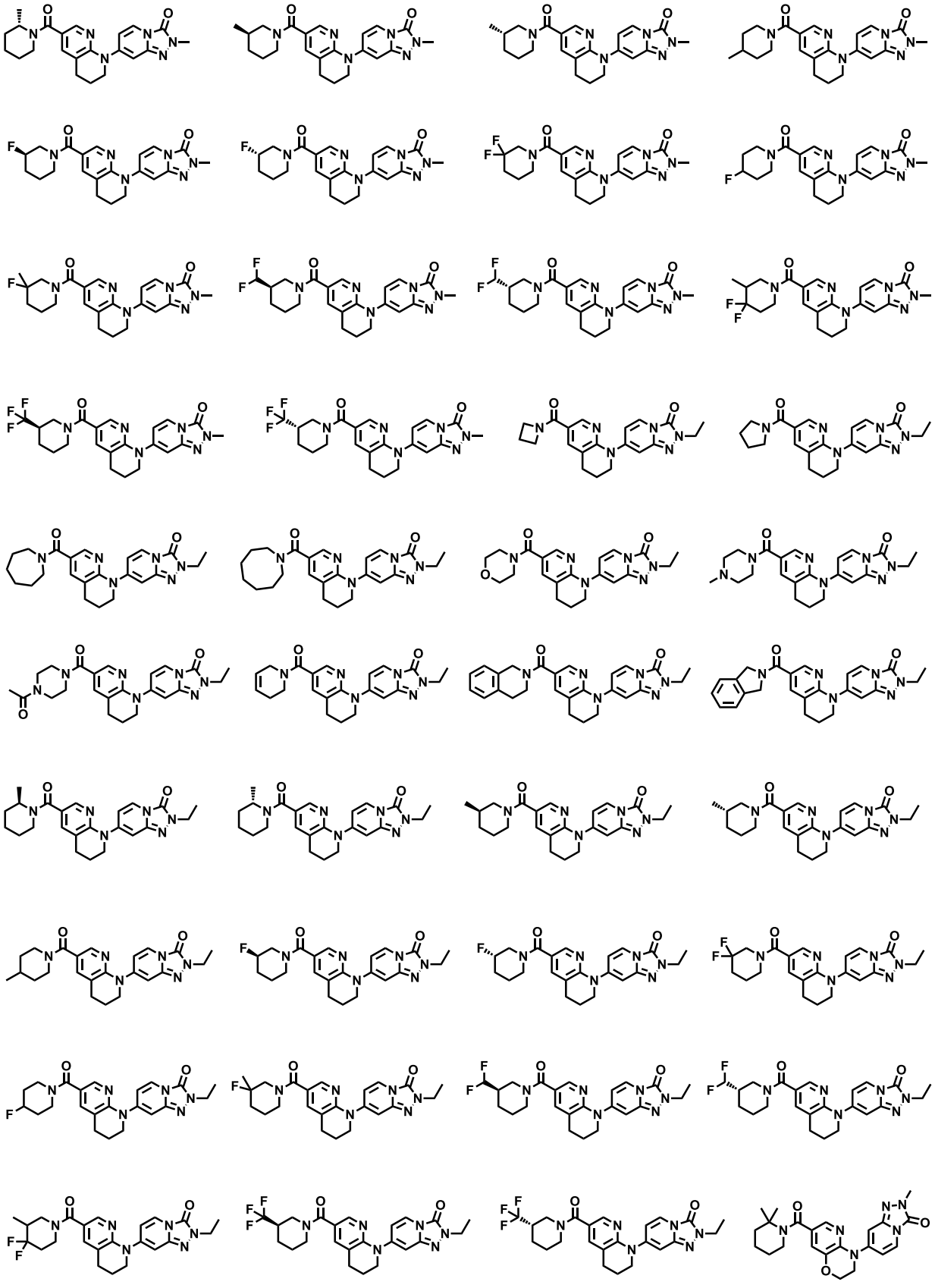









































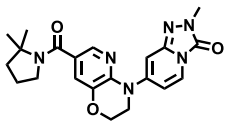
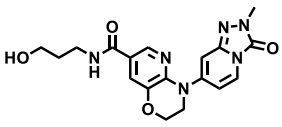
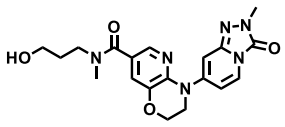
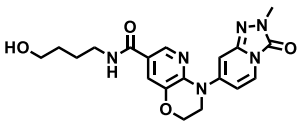
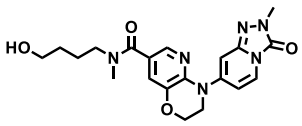
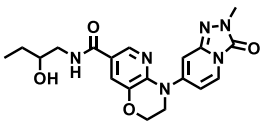
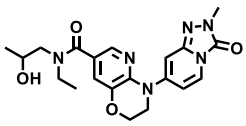
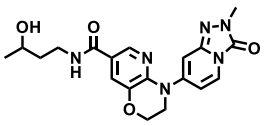
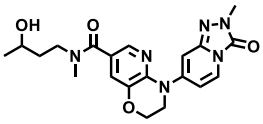
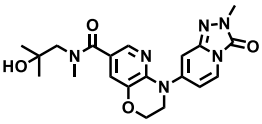
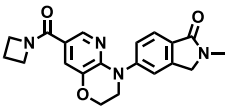
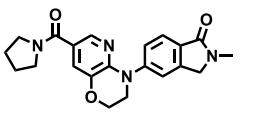
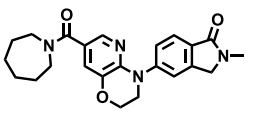





















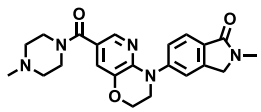
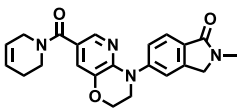
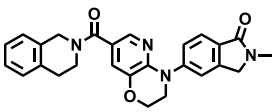
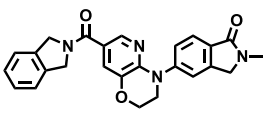
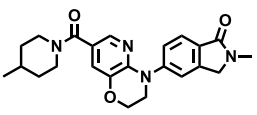
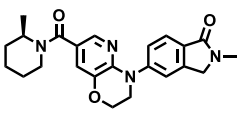
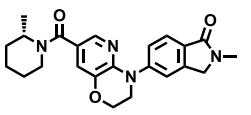
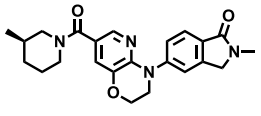
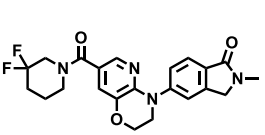
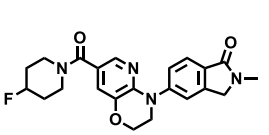
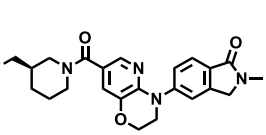
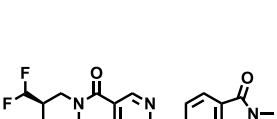
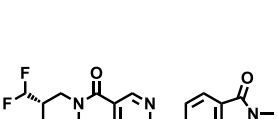
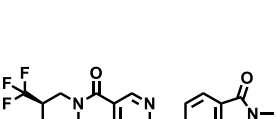
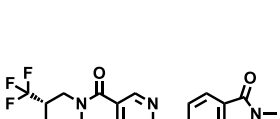
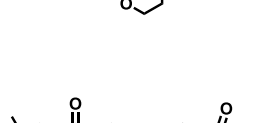
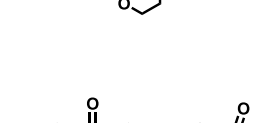
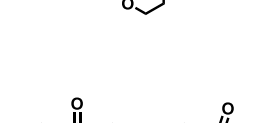
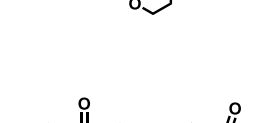
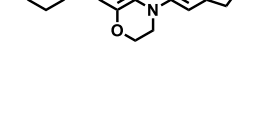
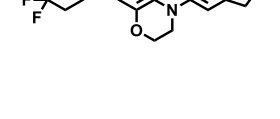
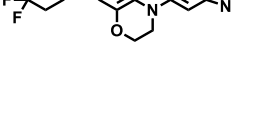
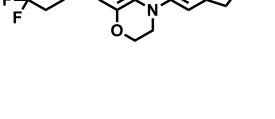




















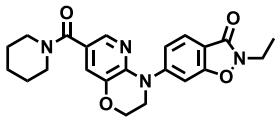
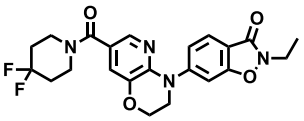
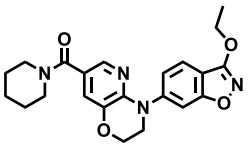
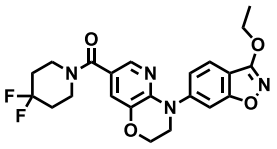
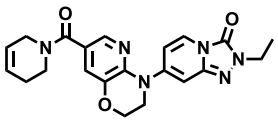
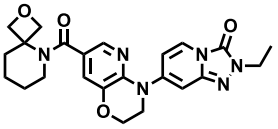
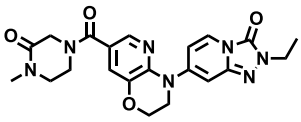
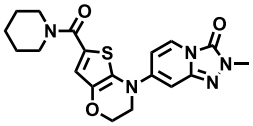
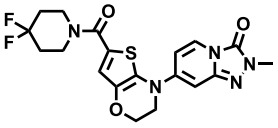
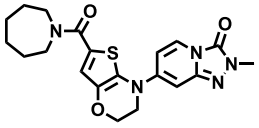
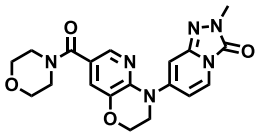
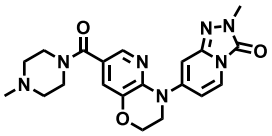
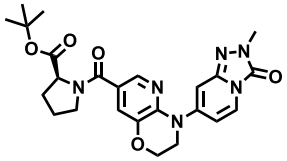
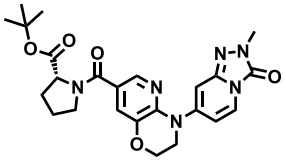
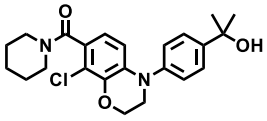
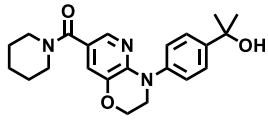
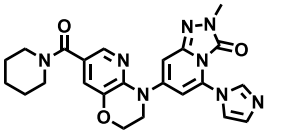
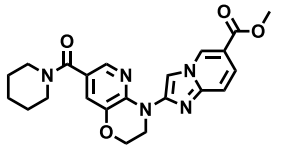







































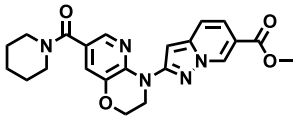
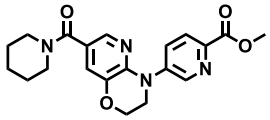
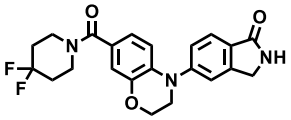
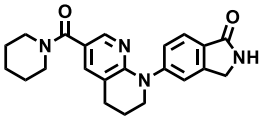
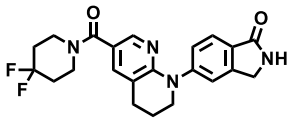
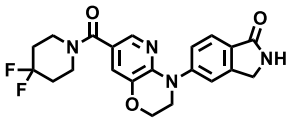
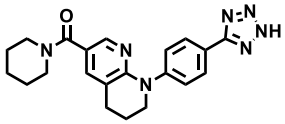
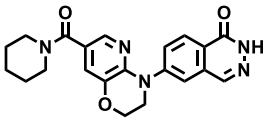
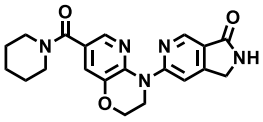
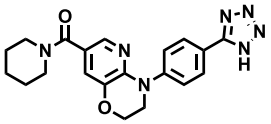
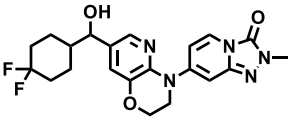
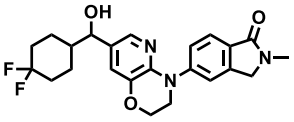
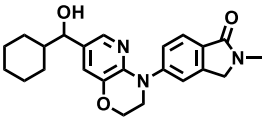
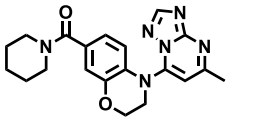
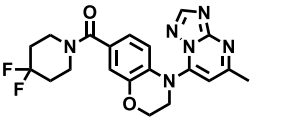
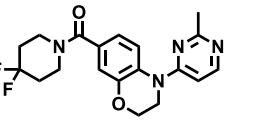
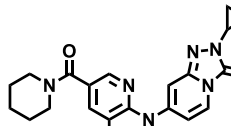
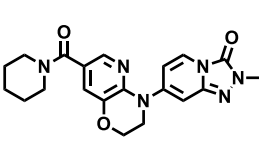
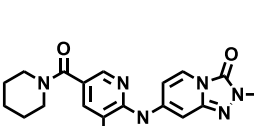


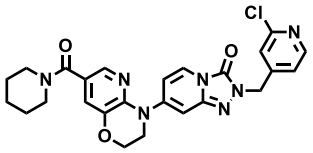
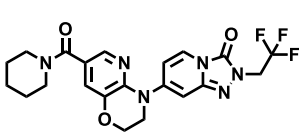
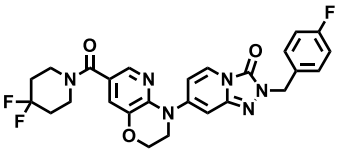
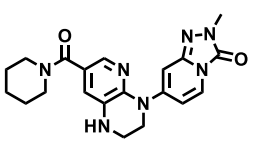
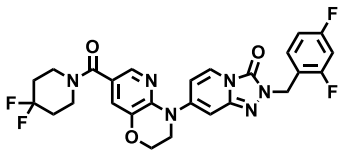
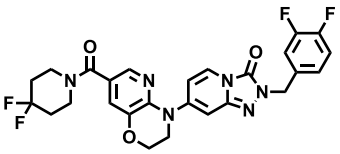
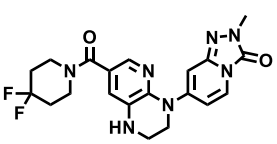
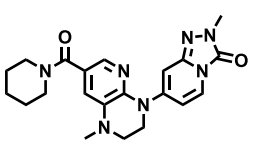
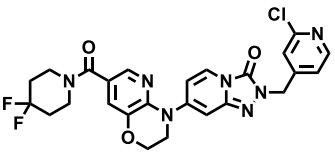
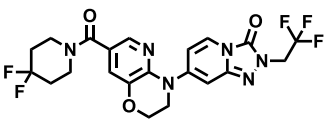
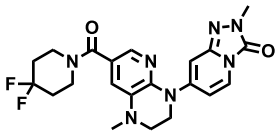
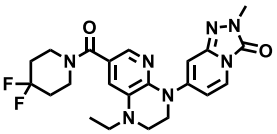
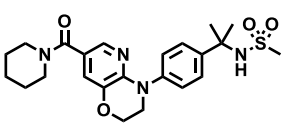
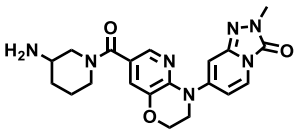
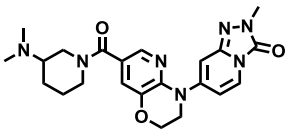
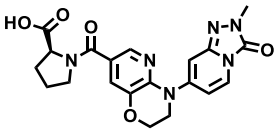
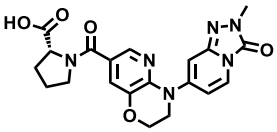
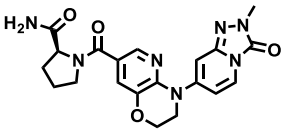
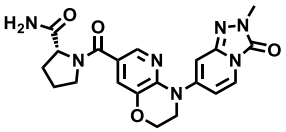
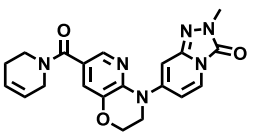
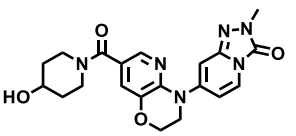
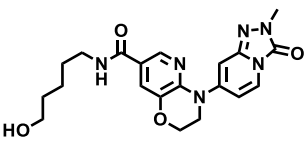
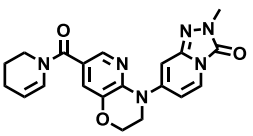


[Claim 7]

A pharmaceutical comprising, as an active ingredient, the compound according to any one of claims 1 to 6, or a pharmacologically acceptable salt thereof.

[Claim 8]

A 15-PGDH inhibitor comprising, as an active ingredient, the compound according to any one of claims 1 to 6, or a pharmacologically acceptable salt thereof.

[Claim 9]

A compound according to any one of claims 1 to 6 or a pharmacologically acceptable salt thereof, for use in treating or preventing one, two or more of fibrosis, inflammatory diseases, cardiovascular diseases, wounds, autoimmune diseases, graft-versus-host disease (GVHD), hair growth, osteoporosis, ear diseases, eye diseases, neutropenia, diabetes, underactive bladder, promotion of engraftment in stem cell or bone marrow transplantation or organ transplantation, neurogenesis and nerve cell death, muscle regeneration and cervical ripening.

[Claim 10]

Use of the compound according to any one of claims 1 to 6 or a pharmacologically acceptable salt thereof, for producing a pharmaceutical for treating or preventing one, two or more of fibrosis, inflammatory diseases, cardiovascular diseases, wounds, autoimmune diseases, graft-versus-host disease (GVHD), hair growth, osteoporosis, ear diseases, eye diseases, neutropenia, diabetes, underactive bladder, promotion of engraftment in stem cell or bone marrow transplantation or organ transplantation, neurogenesis and nerve cell death, muscle regeneration and cervical ripening.

[Claim 11]

A pharmaceutical composition comprising the compound according to any one of claims 1 to 6 or a pharmacologically acceptable salt thereof, and a pharmacologically acceptable carrier, for use in treating or preventing one, two or more of fibrosis, inflammatory diseases, cardiovascular diseases, wounds, autoimmune diseases, graft-versus-host disease (GVHD), hair growth, osteoporosis, ear diseases, eye diseases, neutropenia, diabetes, underactive bladder, promotion of engraftment in stem cell or bone marrow transplantation or organ transplantation, neurogenesis and nerve cell death, muscle regeneration and cervical ripening.