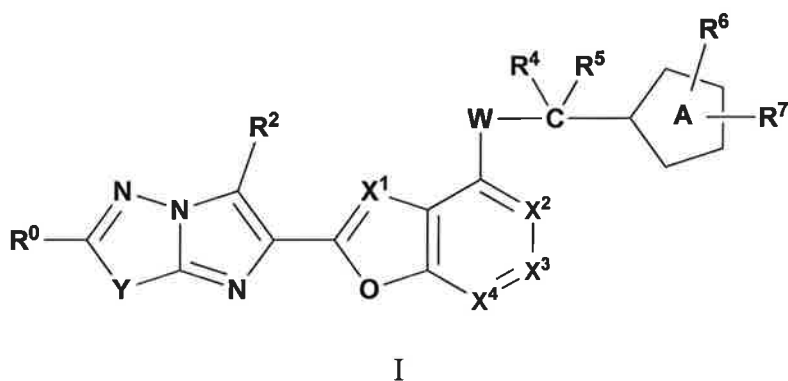


WHAT IS CLAIMED IS:

1. A compound of Formula I:



or a stereoisomer, tautomer, pharmaceutically acceptable salt, solvate or prodrug thereof, wherein:

W is O or S;

R⁰ is R¹ or R^{1a};

Y is S or -CR⁸=CR⁹-;

R¹ is independently selected from the group consisting of:

halo,

C₁-C₄ alkyl,

C₂-C₃ alkenyl,

C₂-C₃ alkynyl,

C₃-C₄ cycloalkyl,

C₁-C₄ alkoxy,

C₁-C₂ alkoxy-C₁-C₂ alkyl,

tetrahydrofuran-2-yl;

C₁-C₄ alkylthio,

C₁-C₄ alkylNH-,

(C₁-C₄ alkyl)₂N-,

halo-C₁-C₂-alkyl, which contains 1 to 5 halogens, where halo is F or Cl,

halo-C₃-C₄ cycloalkyl,

halo-C₁-C₂ alkoxy, and

halo-C₁-C₂ alkylthio;

OCH₂F, 5- or 6-membered heteroaryl, OH, oxo, hydroxy-C₁-C₄-alkyl, C₁-C₄ alkyl and C₁-C₄ alkoxy, and 0 to 2 additional heteroatoms selected from N, NR¹³, O and S(O)_p;

R¹³ is independently, at each occurrence, selected from the group consisting of H, C₁-C₆ alkyl and -(CH₂)phenyl;

R¹⁴ is independently, at each occurrence, selected from the group consisting of H, C₁-C₆ alkyl, halo-C₁-C₄-alkyl, C₁-C₄-alkoxycarbonylamino, (C₆-C₁₀ arylcarbonylamino), (a 5- to 10-membered heteroarylcarbonylamino) and -(CH₂)_n¹phenyl substituted by 0 to 3 groups independently selected from the group consisting of halo, C₁-C₄ alkoxy, C₁-C₄ alkyl, cyclopropyl, CF₃, OCF₃, 5- or 6-membered heteroaryl, OH, OCHF₂, di-C₁-C₄-alkylamino, and cyano,

R⁷ is selected from the group consisting of H, halo, hydroxyl, oxo, C₁-C₄ alkyl, hydroxy-C₁-C₄-alkyl, C₁-C₄-alkoxy-C₁-C₄-alkyl, halo-C₁-C₄-alkyl, which contains 1 to 5 halogens, C₁-C₄-alkoxy, and halo-C₁-C₄-alkoxy;

or R⁶ and R⁷ can be taken together with the carbons to which they attach to form a C₆-C₁₀ aryl ring;

R¹⁰ is selected from the group consisting of C₁-C₄ alkyl, halo, C₁-C₄ alkoxy, and halo-C₁-C₂-alkyl, which contains 1 to 5 halogens, where halo is F or Cl;

n¹, at each occurrence, is selected from 0, 1, 2, 3, 4 or 5; and

p, at each occurrence, is selected from 0, 1 and 2.

wherein the term heteroaryl refers to stable monocyclic and polycyclic aromatic hydrocarbons that include at least one heteroatom ring member such as sulfur, oxygen, or nitrogen”, and the term “heterocycle refers to stable 4- to 14-membered monocyclic, bicyclic or tricyclic heterocyclic ring which is saturated or partially unsaturated and which consists of carbon atoms and 1, 2, 3, or 4 heteroatoms independently selected from the group consisting of N, NH, O and S and including any bicyclic group in which any of the above-defined heterocyclic rings is fused to a benzene ring, wherein the nitrogen and sulfur heteroatoms may optionally be oxidized (i.e., N→O and S(O)_p, wherein p is 0, 1 or 2).

2. The compound as defined in Claim 1 wherein:

W is O or S;

R⁰ is R¹ or R^{1a};

Y is S or -CR⁸=CR⁹-;

R¹ is independently selected from the group consisting of:

halo,

C₁-C₄ alkyl,

C₂-C₃ alkenyl,

C₂-C₃ alkynyl,

C₃-C₄ cycloalkyl,

independently selected from the group consisting of halo, CF₃, CHF₂, OCF₃, OCHF₂, OCH₂F, 5- or 6-membered heteroaryl, OH, oxo, hydroxy-C₁-C₄-alkyl, C₁-C₄ alkyl and C₁-C₄ alkoxy, and 0 to 2 additional heteroatoms selected from N, NR¹³, O and S(O)_p;

R¹³ is independently, at each occurrence, selected from the group consisting of H, C₁-C₆ alkyl and -(CH₂)phenyl;

R¹⁴ is independently, at each occurrence, selected from the group consisting of H, C₁-C₆ alkyl, halo-C₁-C₄-alkyl, C₁-C₄-alkoxycarbonylamino, (C₆-C₁₀ arylcarbonylamino) and -(CH₂)_n¹ phenyl substituted by 0 to 3 groups independently selected from the group consisting of halo, C₁-C₄ alkoxy, C₁-C₄ alkyl, cyclopropyl, CF₃, OCF₃, 5- or 6-membered heteroaryl, OH, OCHF₂, di-C₁-C₄-alkylamino, and cyano,

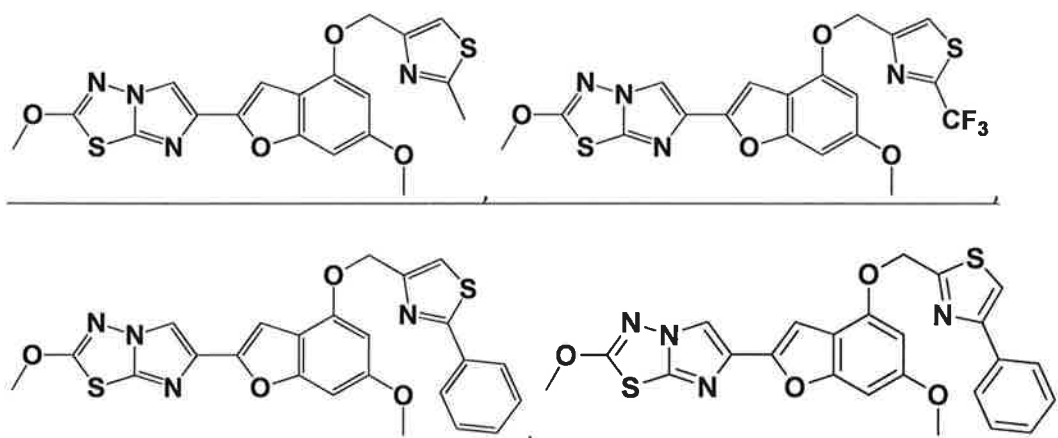
R⁷ is selected from the group consisting of H, halo, hydroxyl, oxo, C₁-C₄ alkyl, hydroxy-C₁-C₄-alkyl, C₁-C₄-alkoxy-C₁-C₄-alkyl, halo-C₁-C₄-alkyl, which contains 1 to 5 halogens, and C₁-C₄-alkoxy;

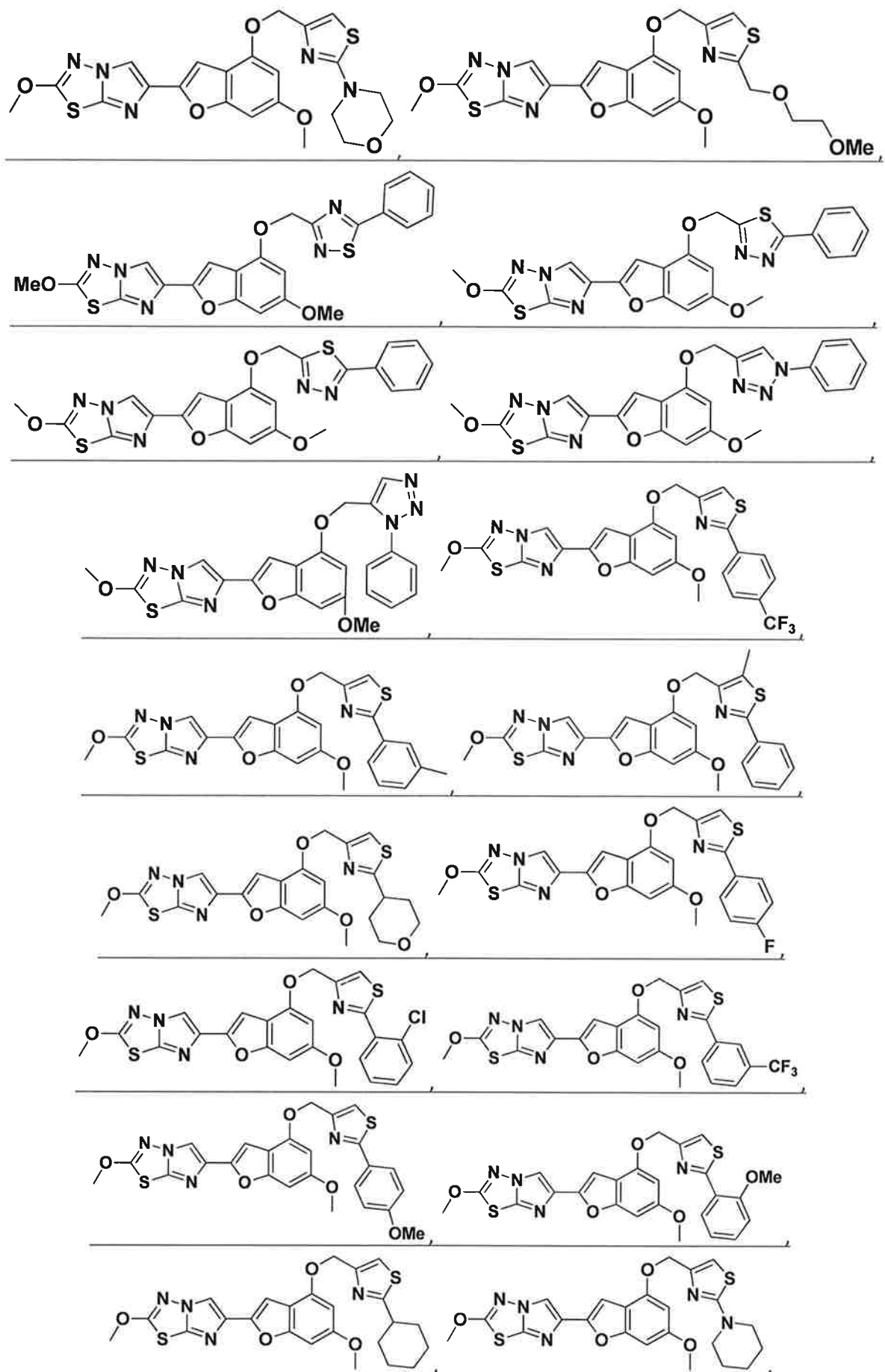
R¹⁰ is selected from the group consisting of C₁-C₄ alkyl, halo, and halo-C₁-C₂-alkyl, which contains 1 to 5 halogens, where halo is F or Cl;

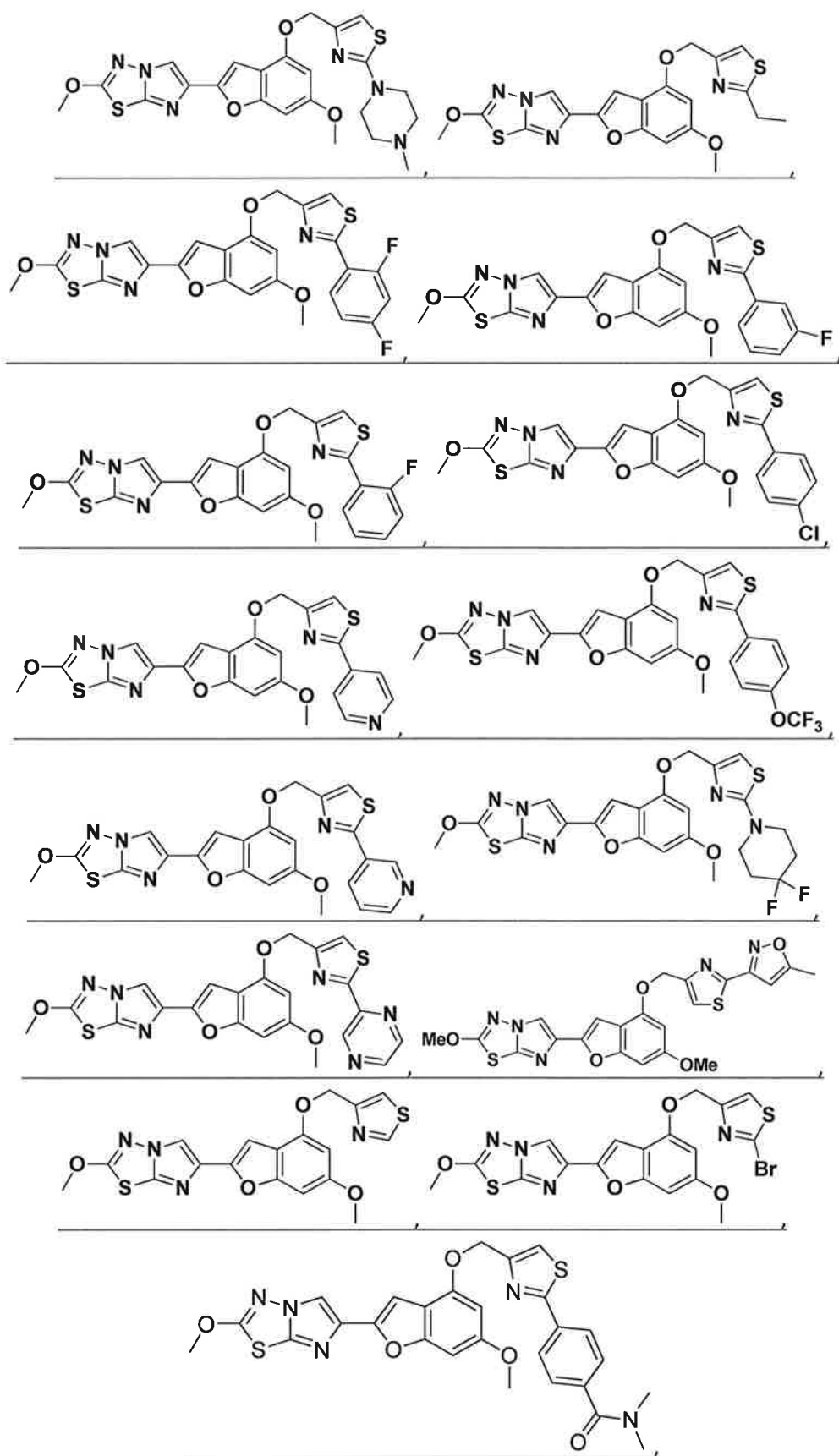
n^1 , at each occurrence, is selected from 0, 1, 2, 3 or 4; and

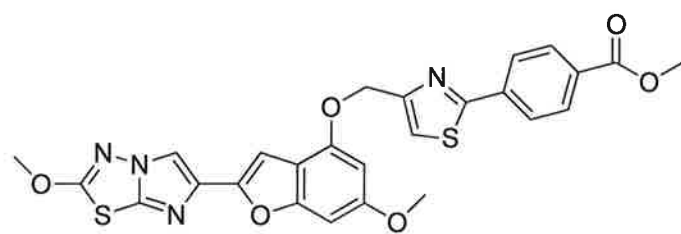
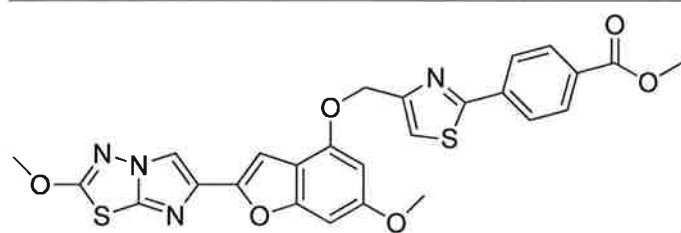
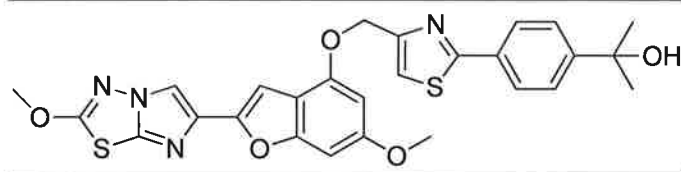
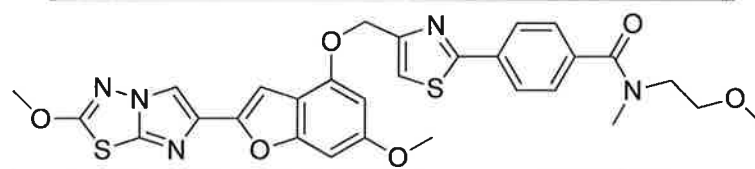
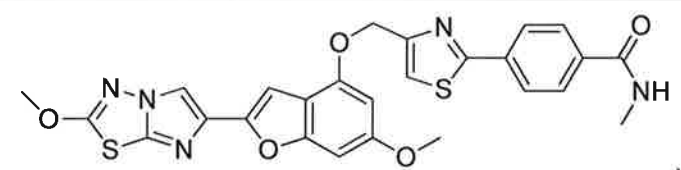
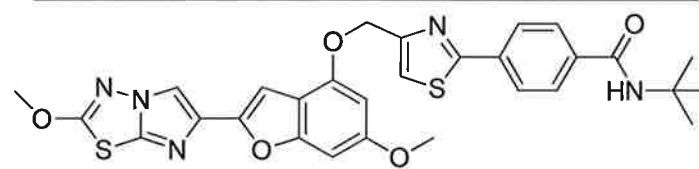
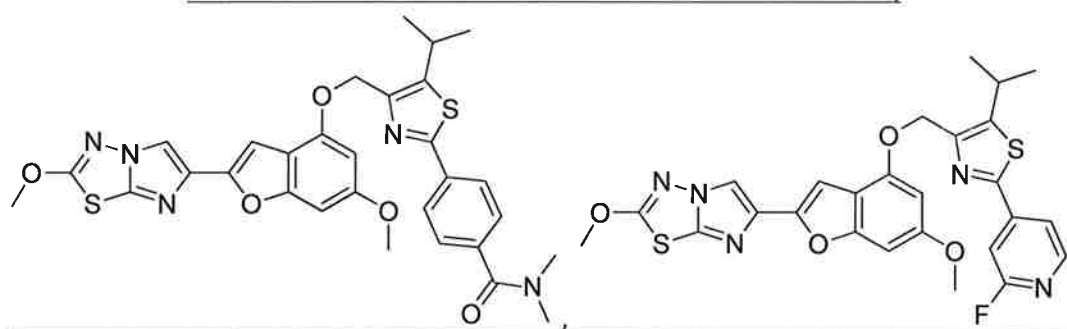
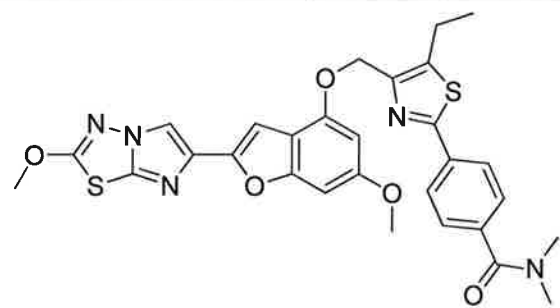
p_i at each occurrence, is selected from 0, 1 and 2.

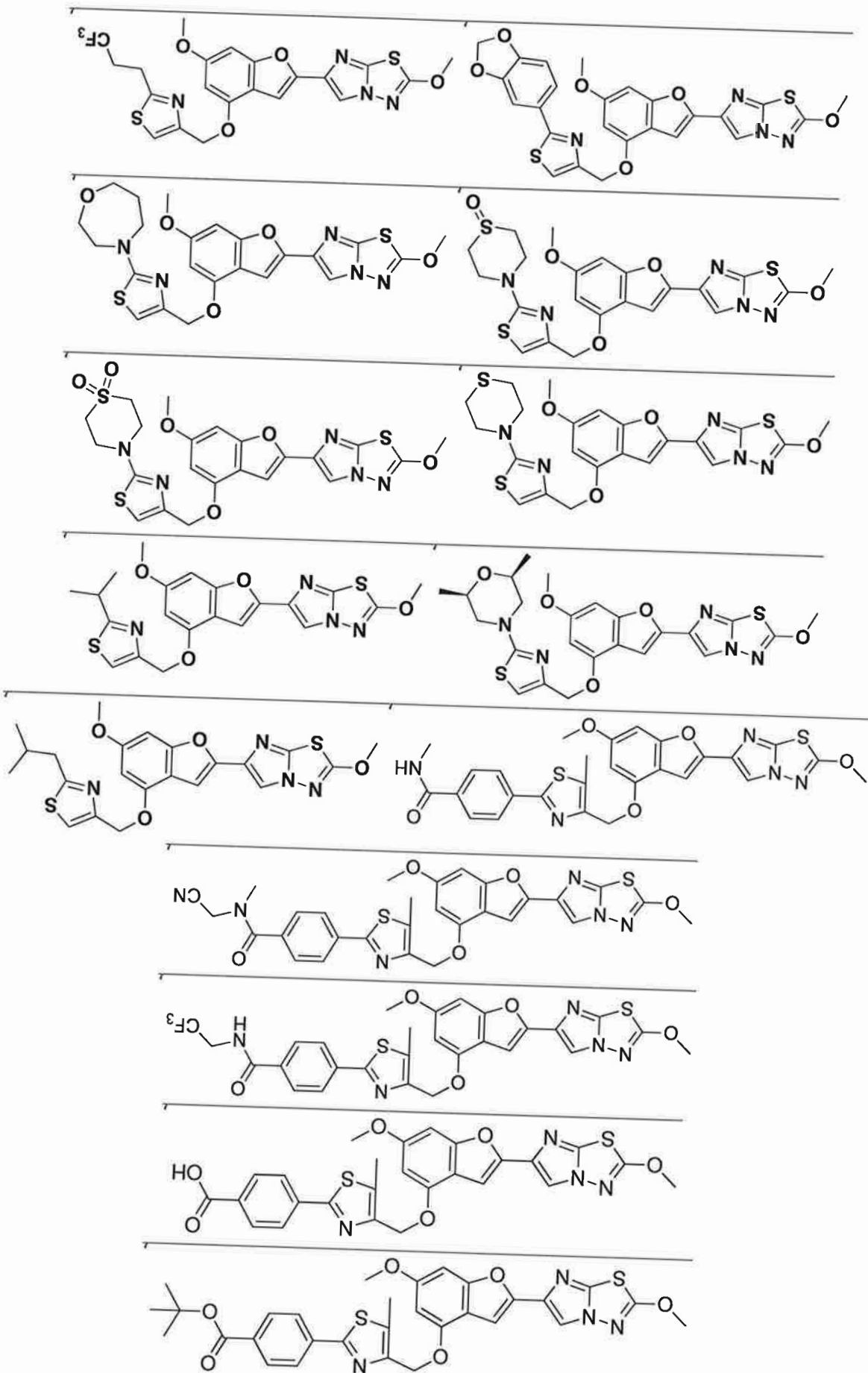
12. The compound as defined in Claim 1, wherein the compound is selected from one of the examples following compounds:

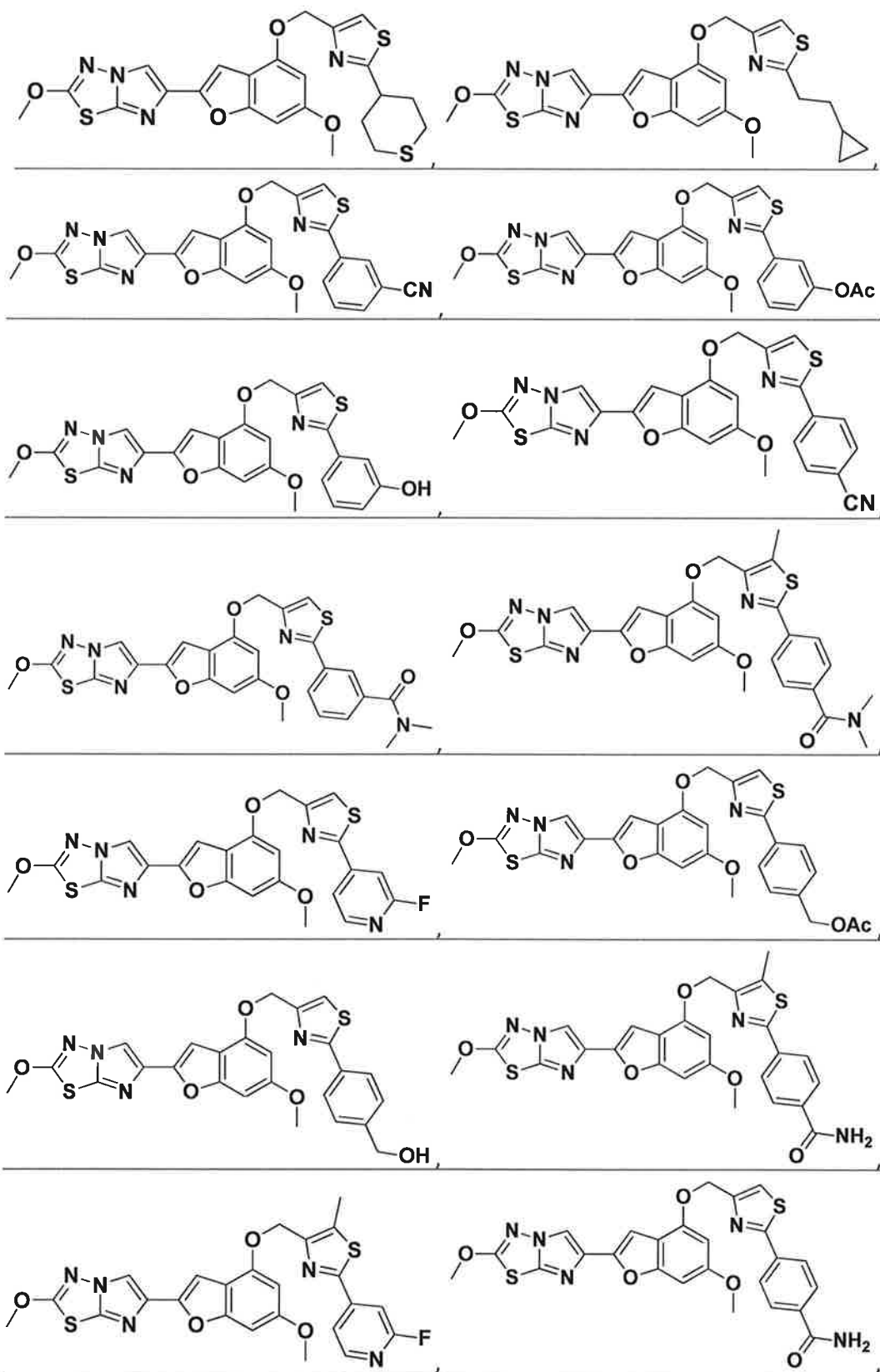


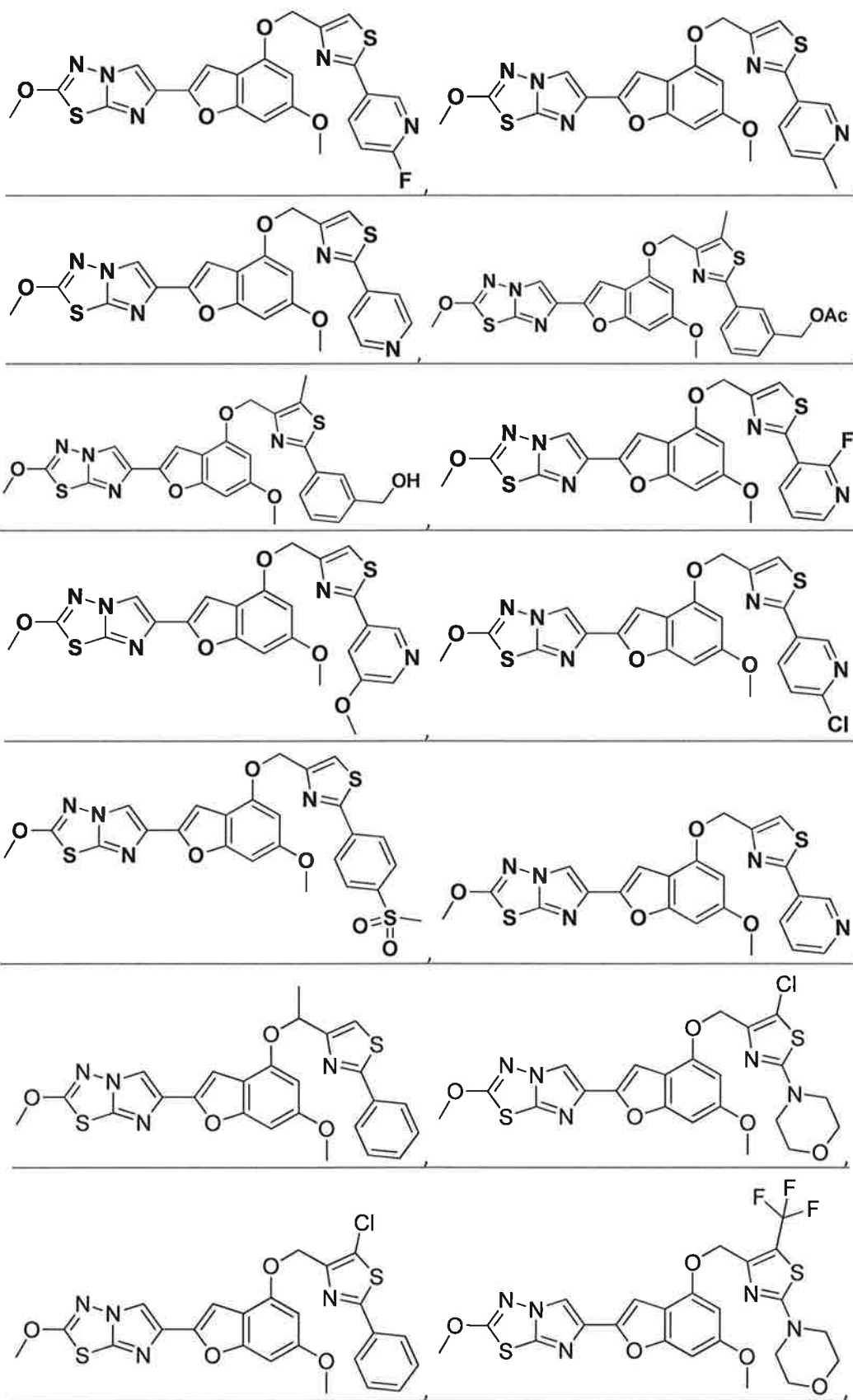


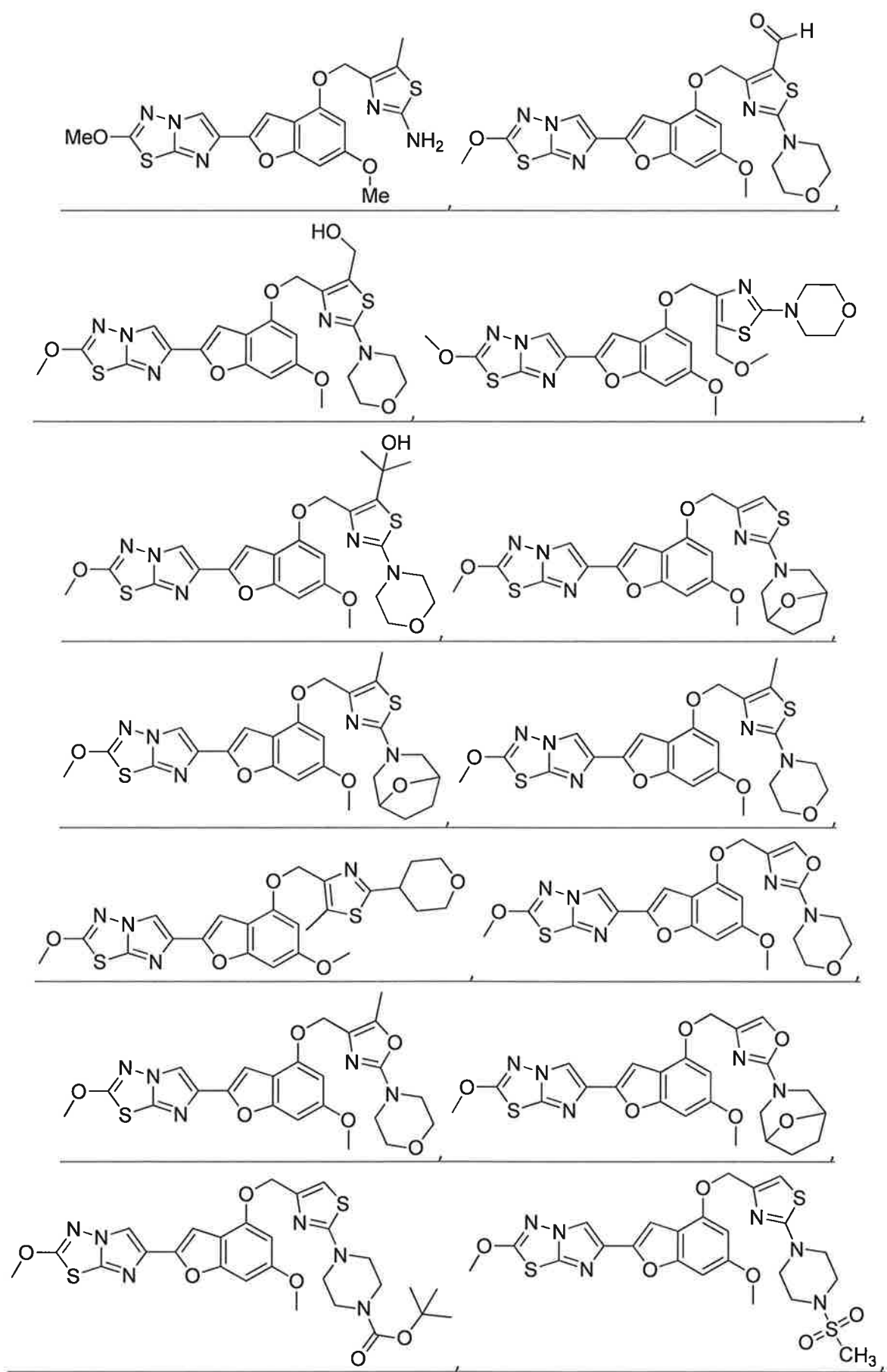


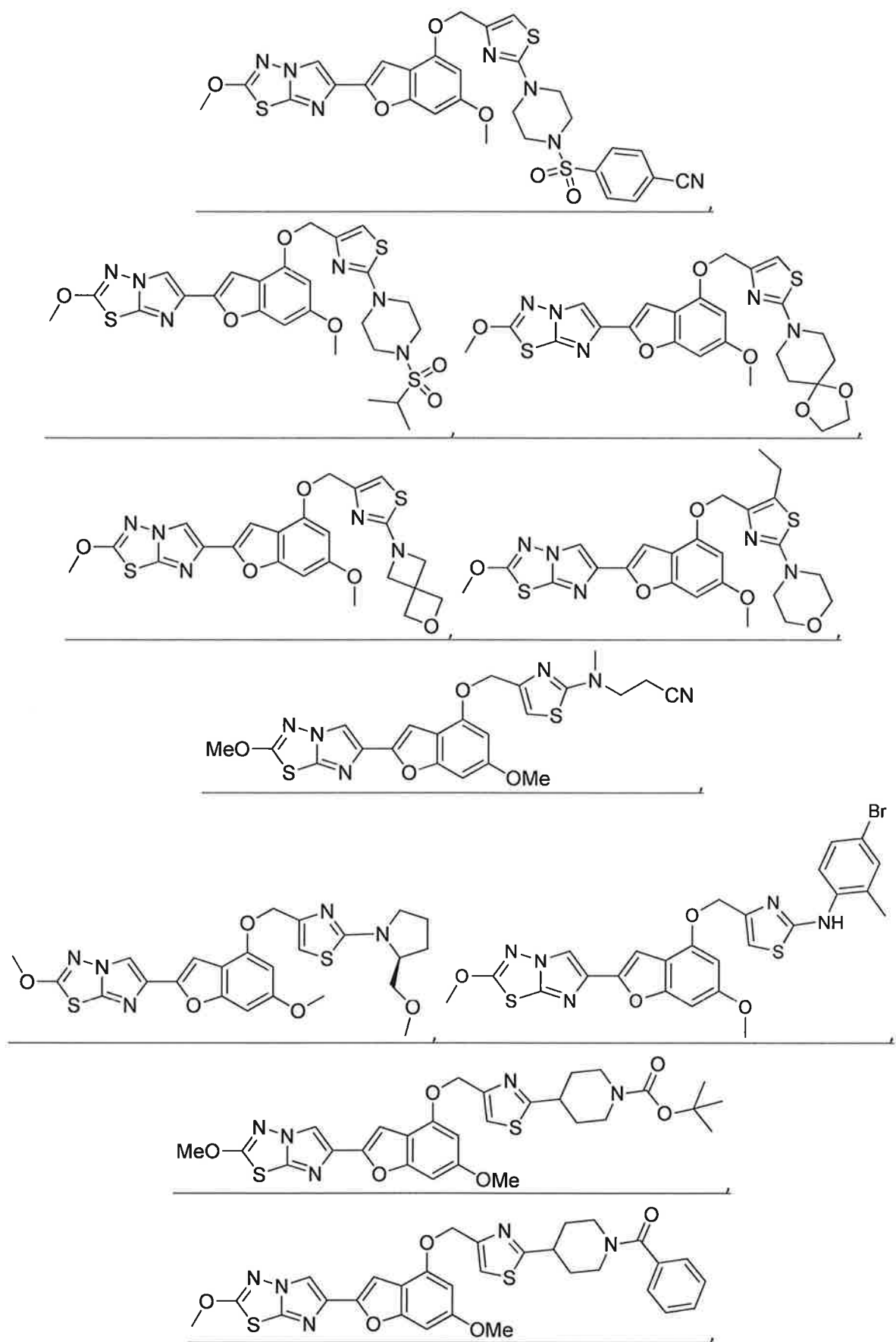


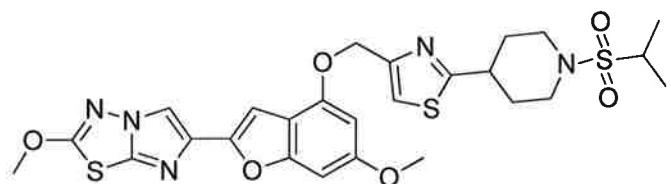
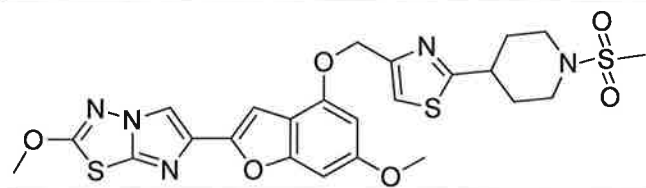
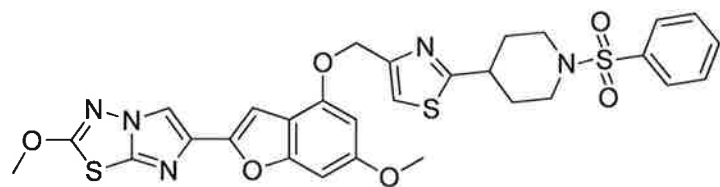
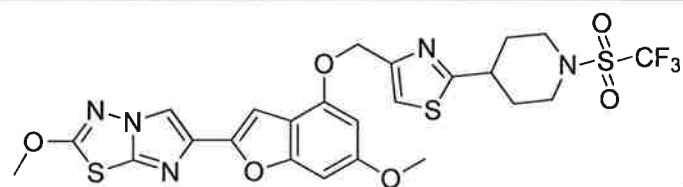
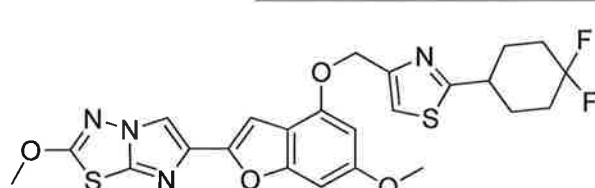
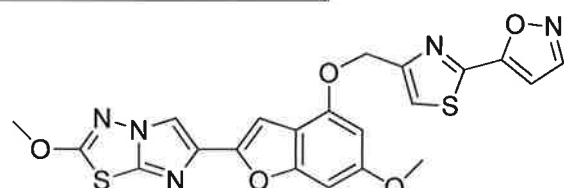
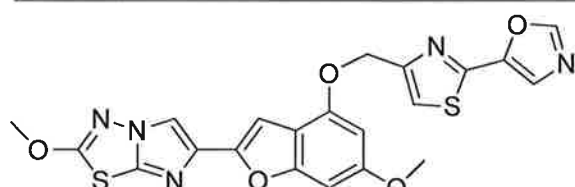
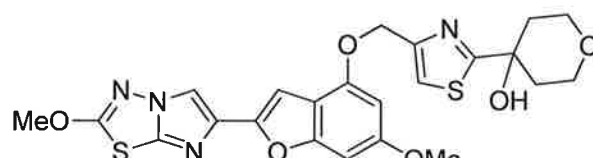
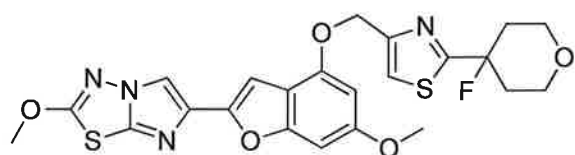
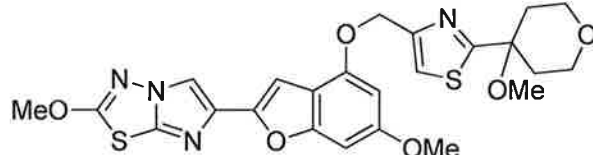
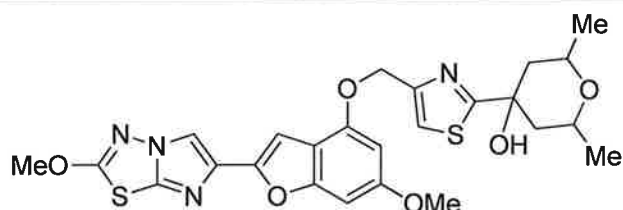
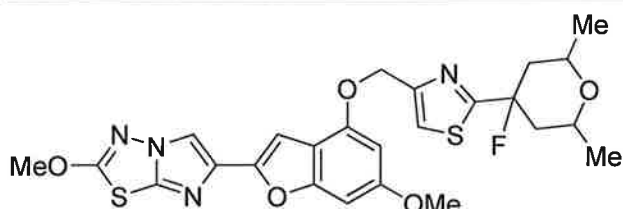


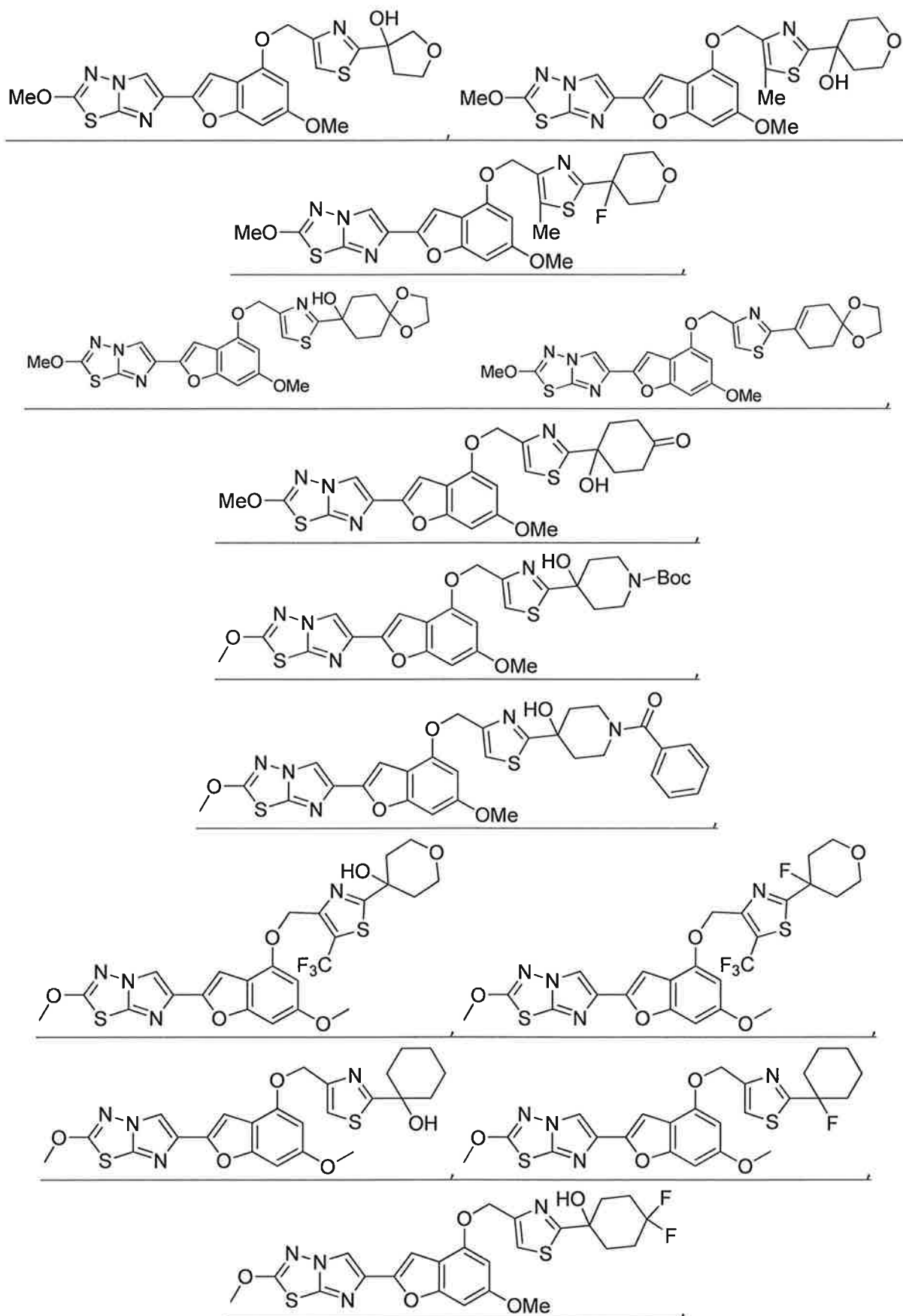


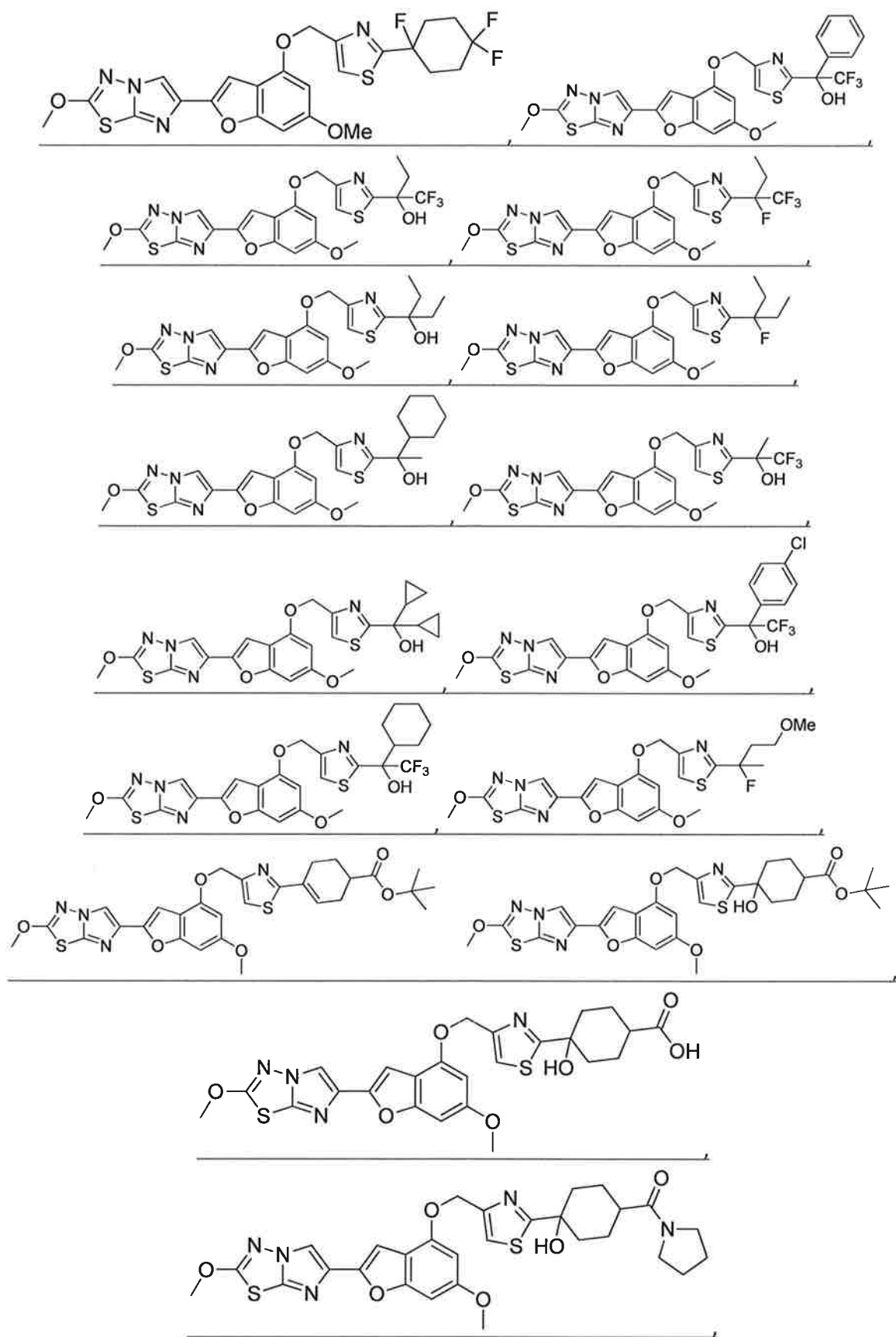


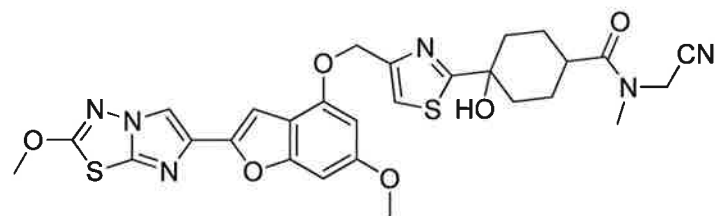
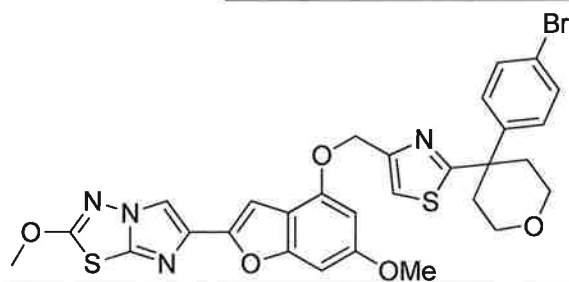
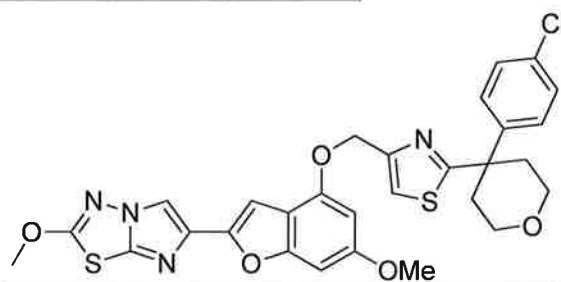
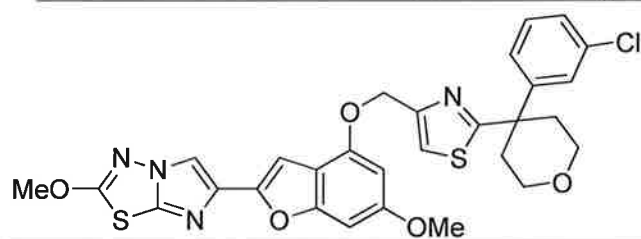
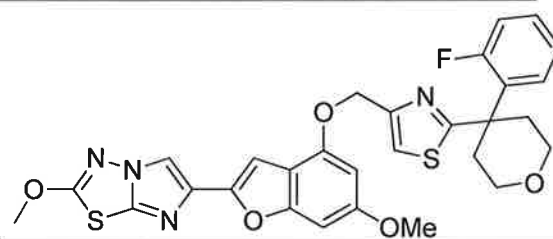
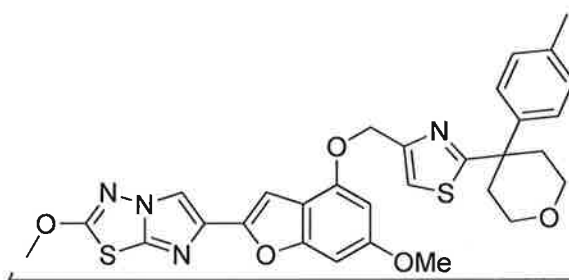
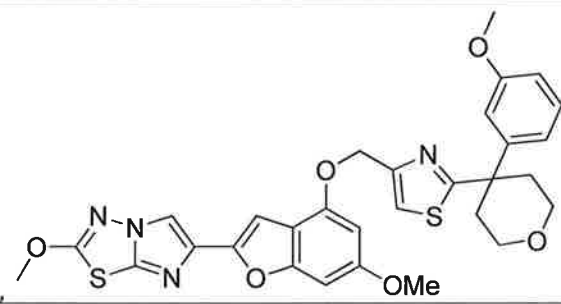
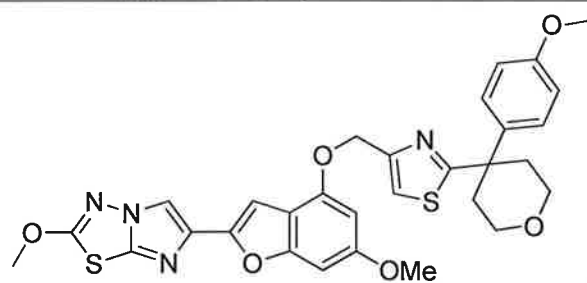
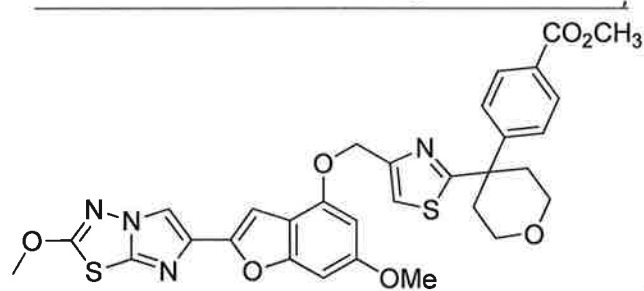


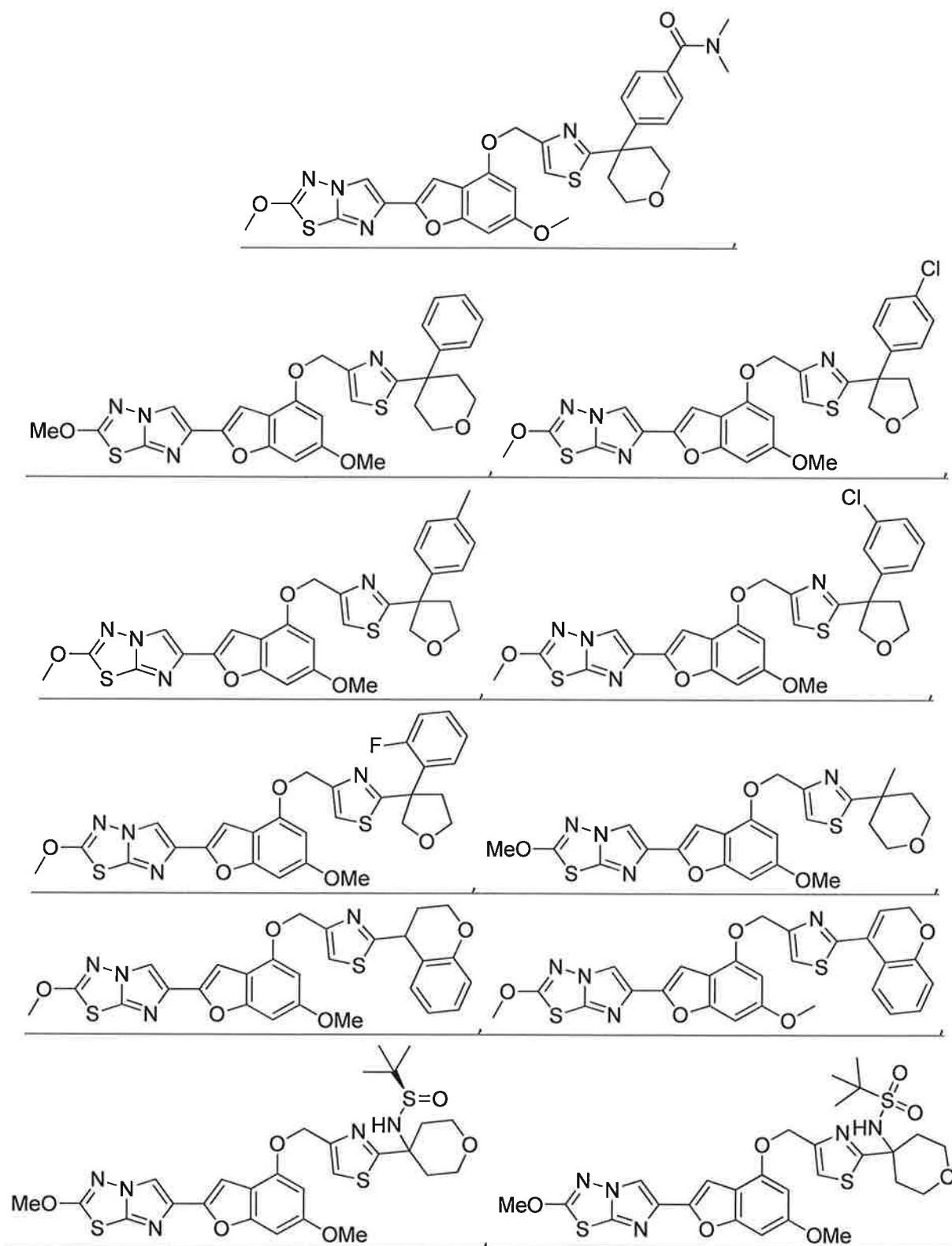


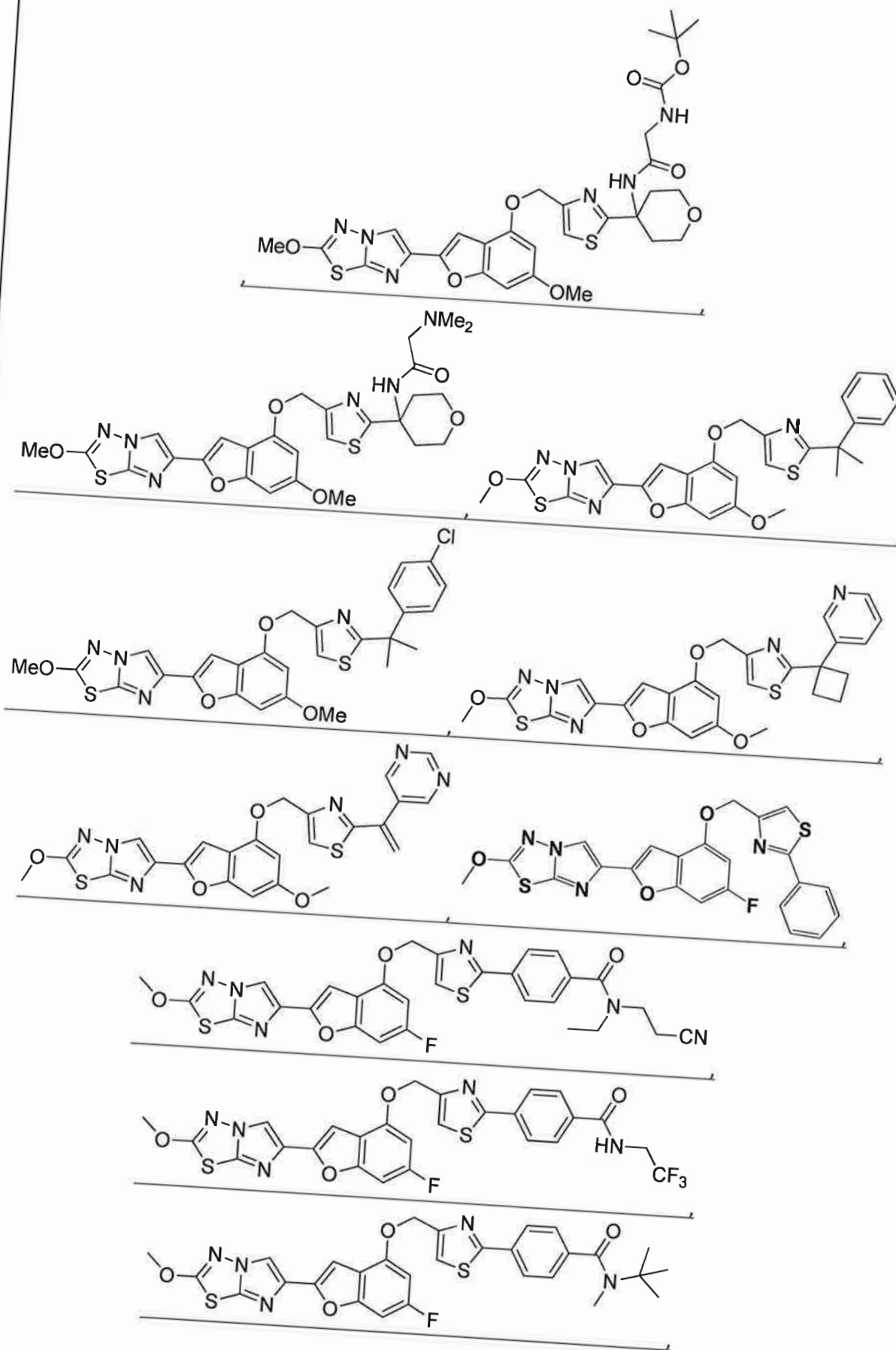


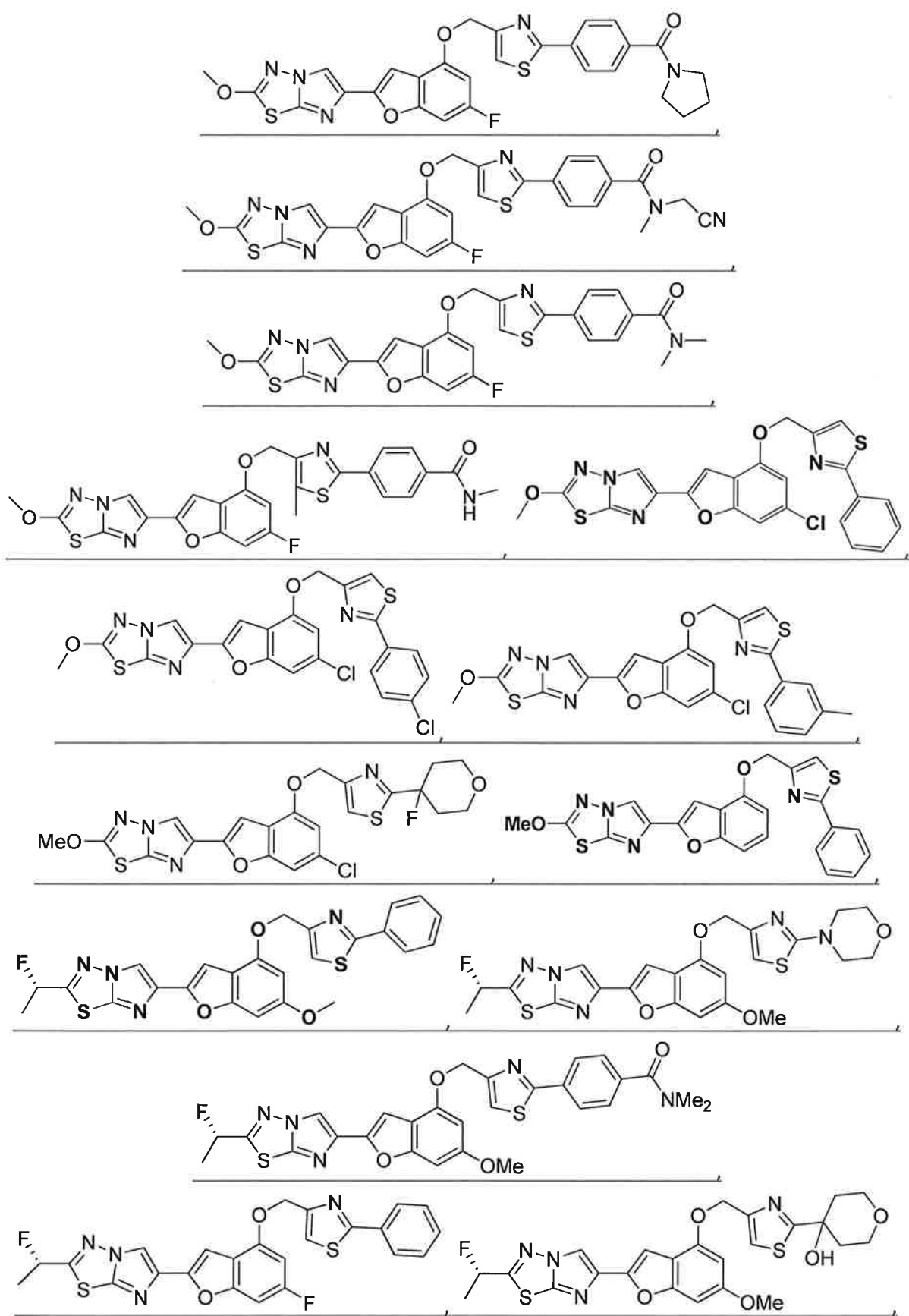


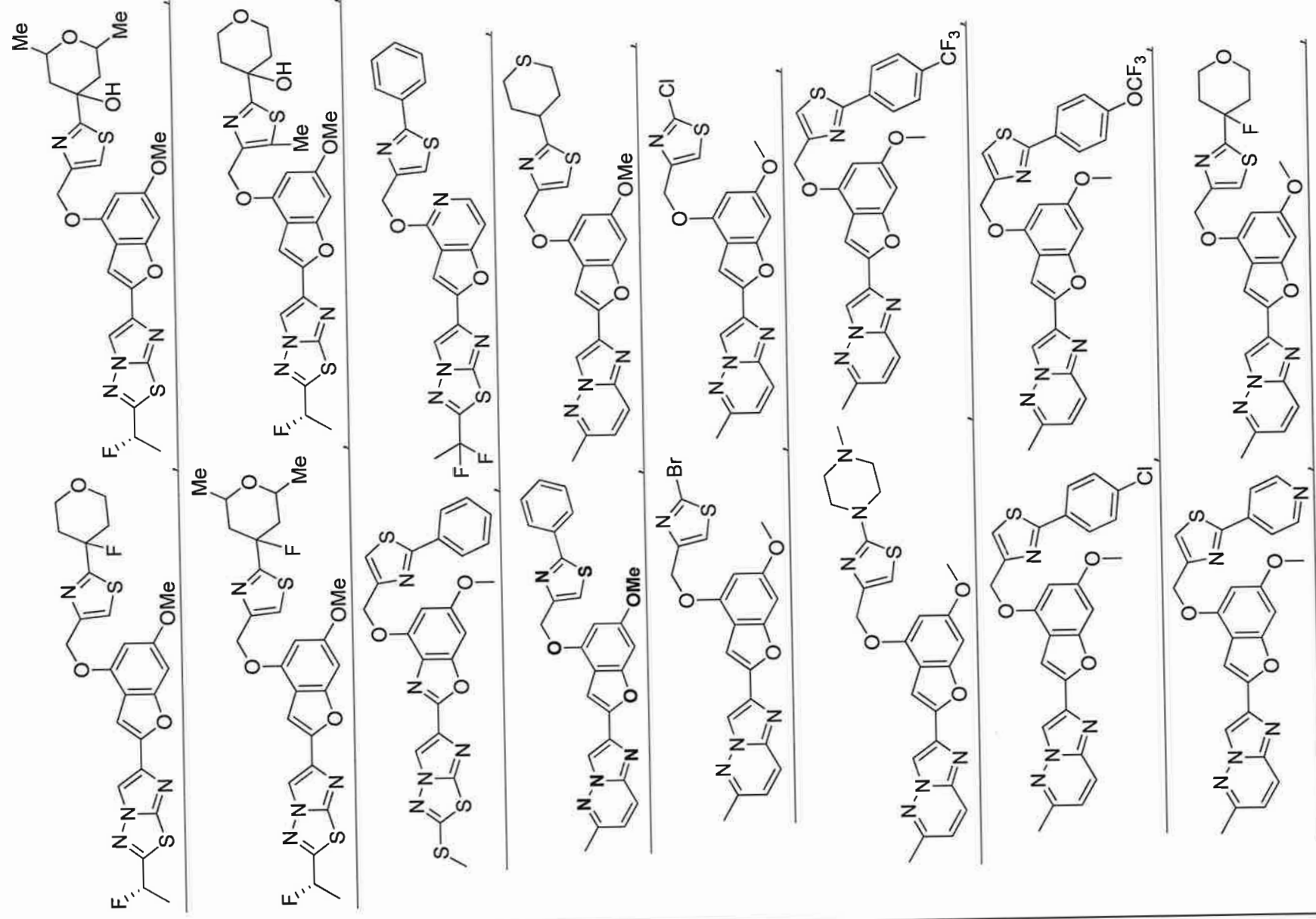


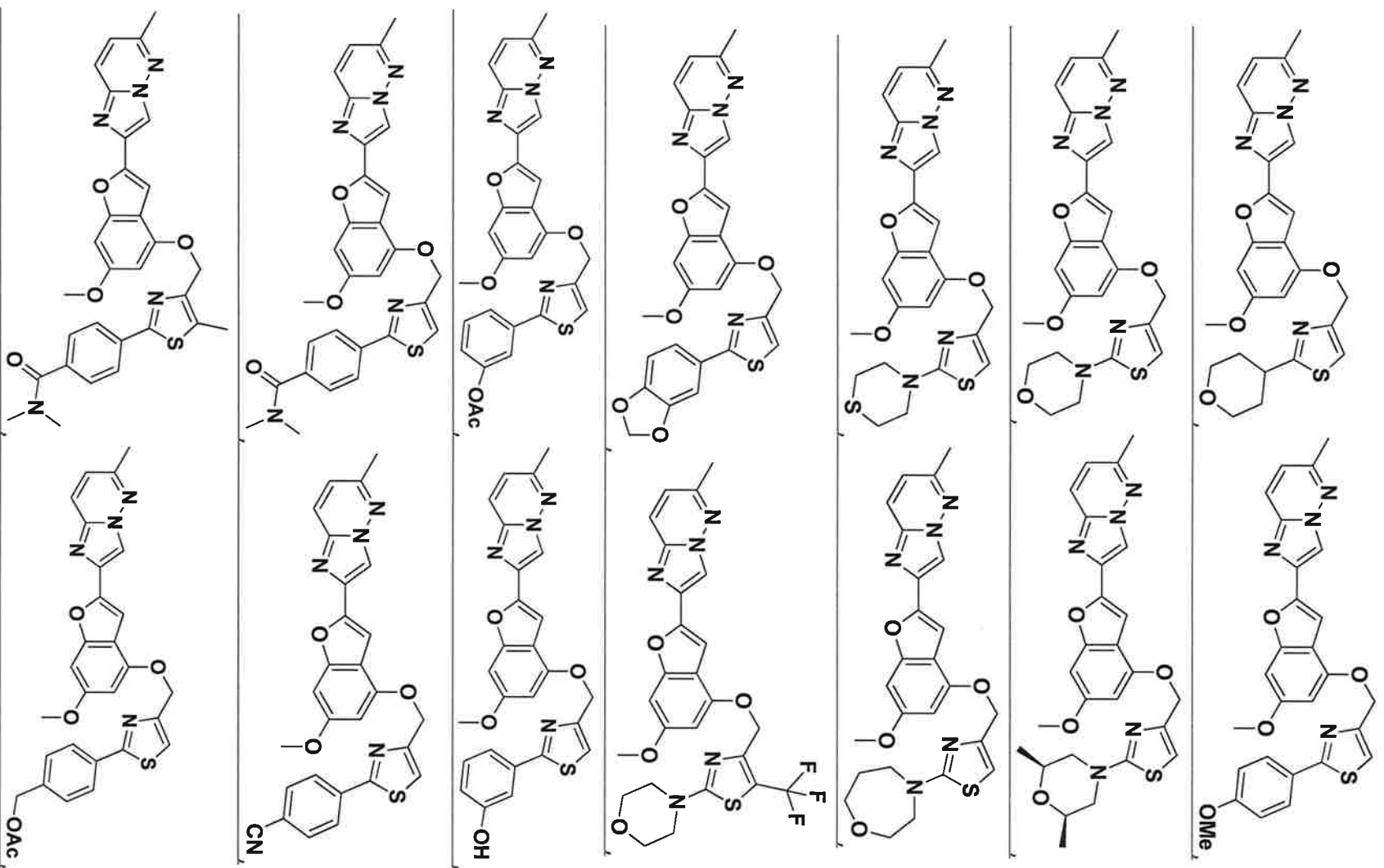


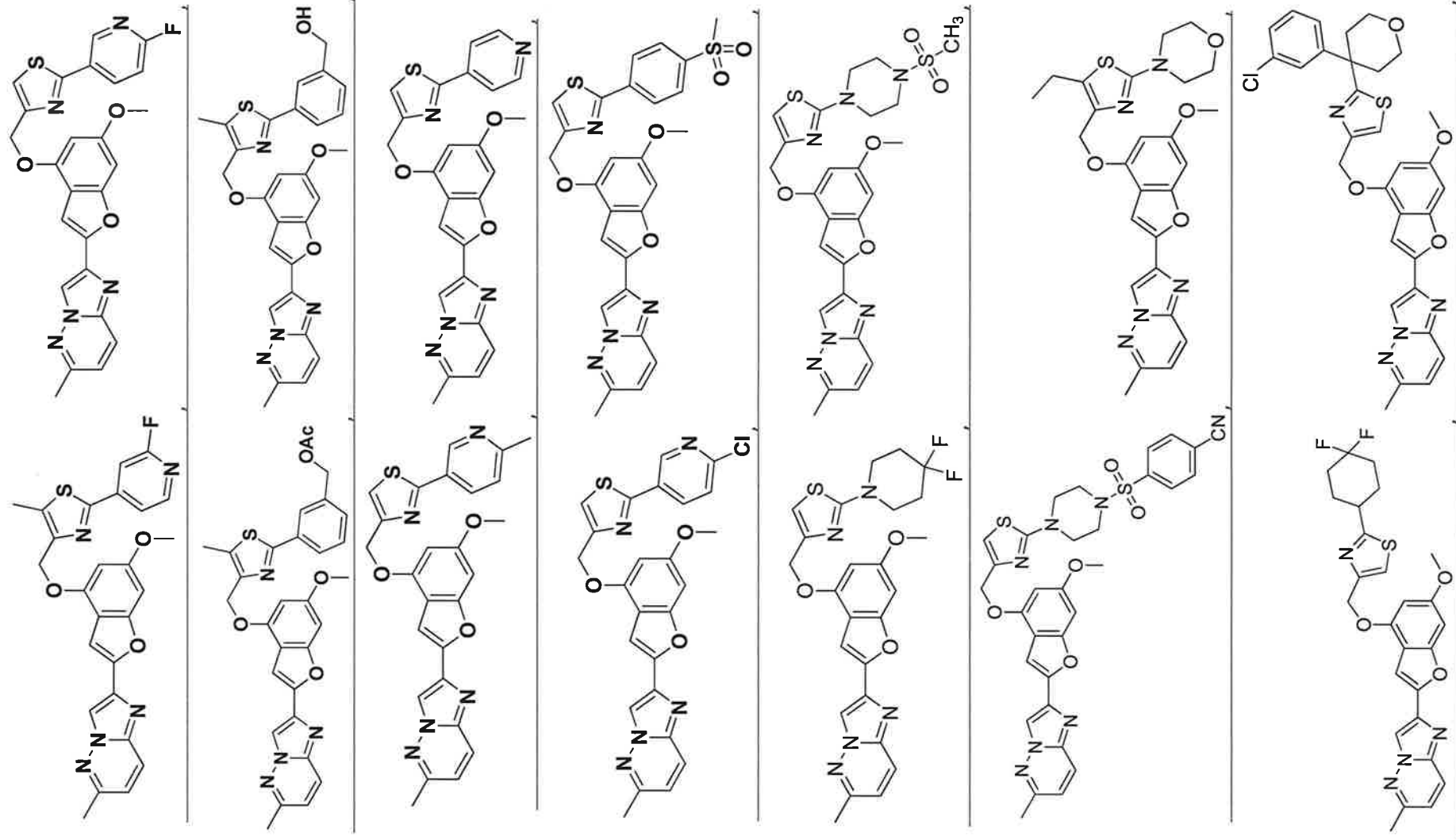


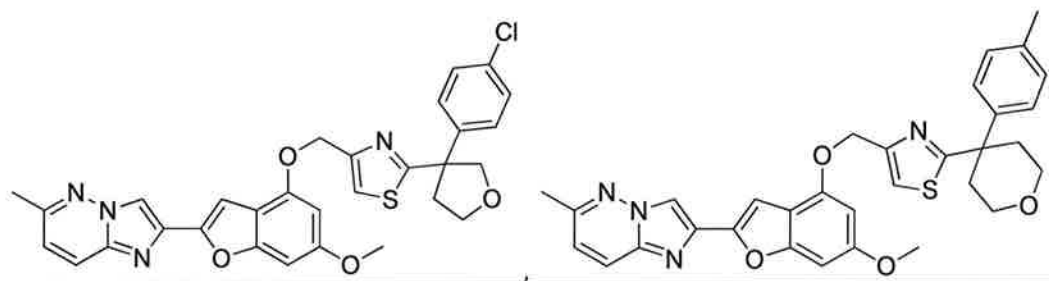
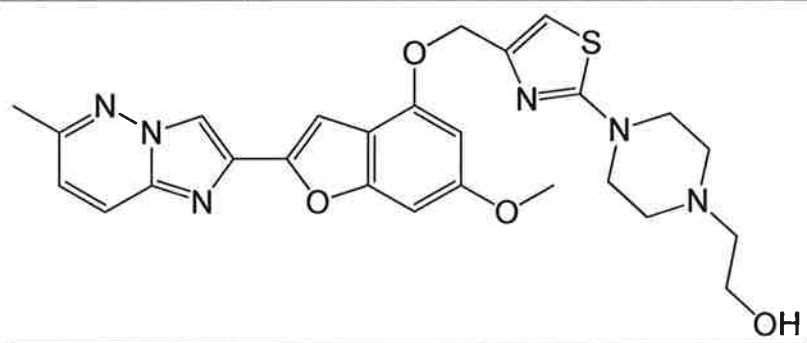
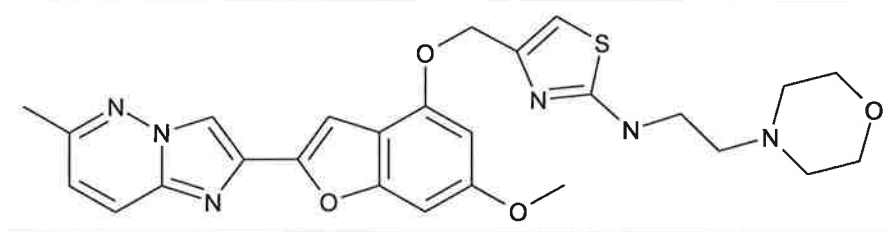
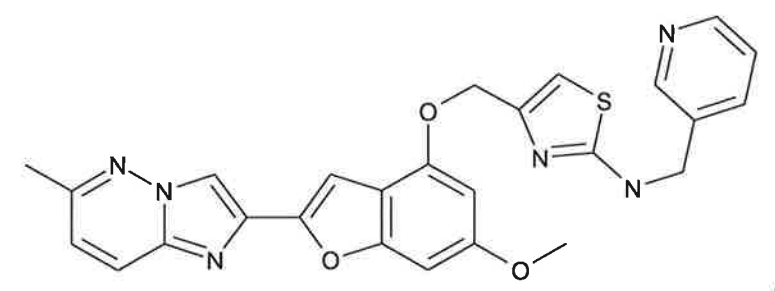
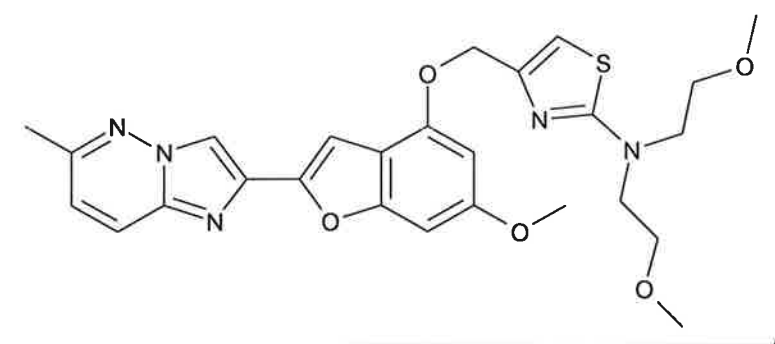


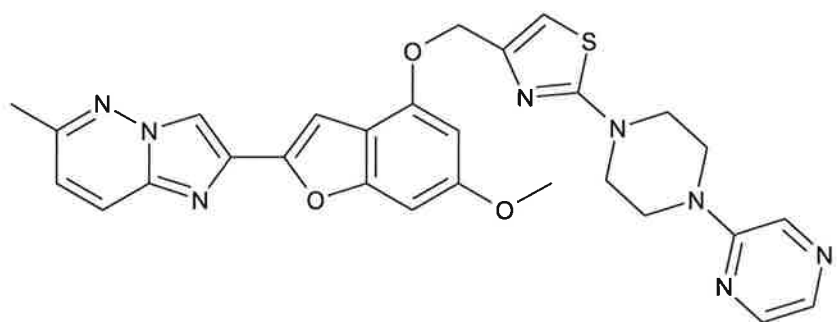
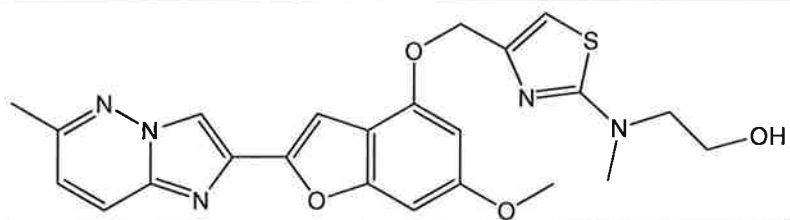
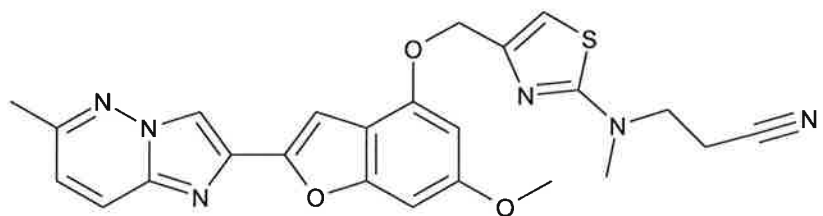
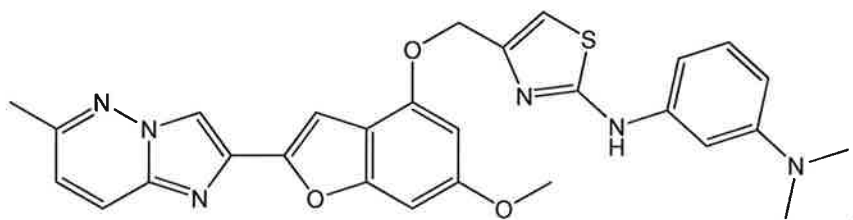
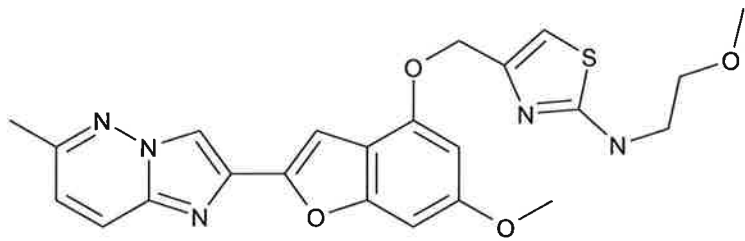
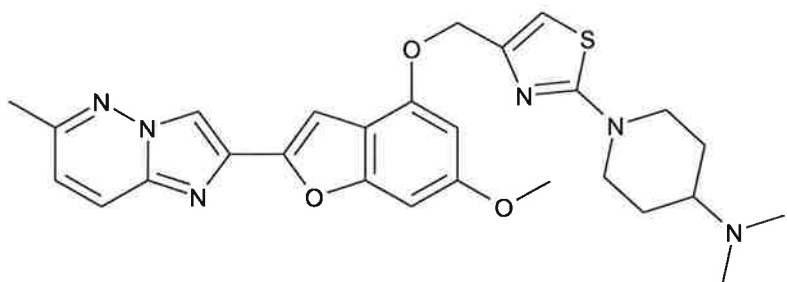




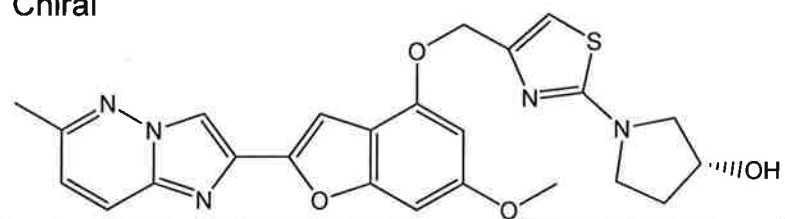
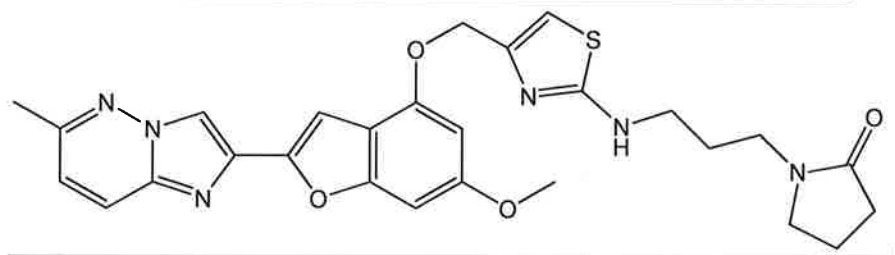
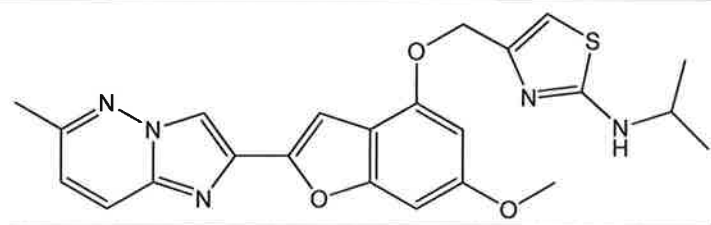
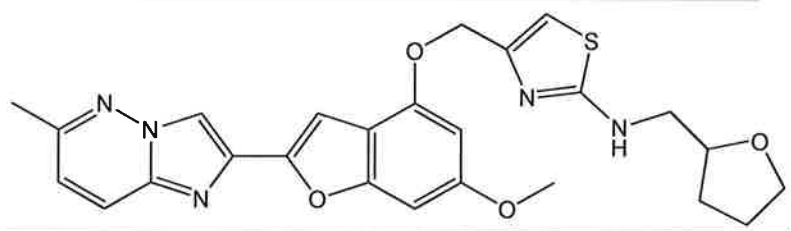
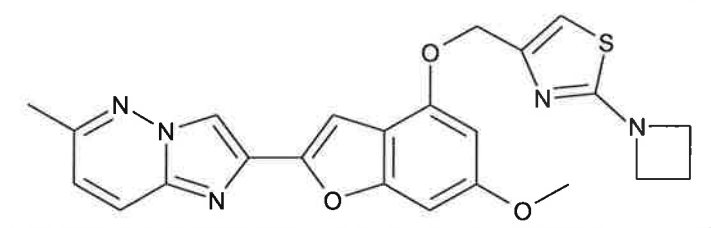
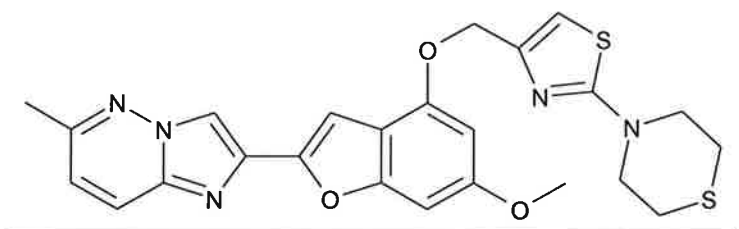
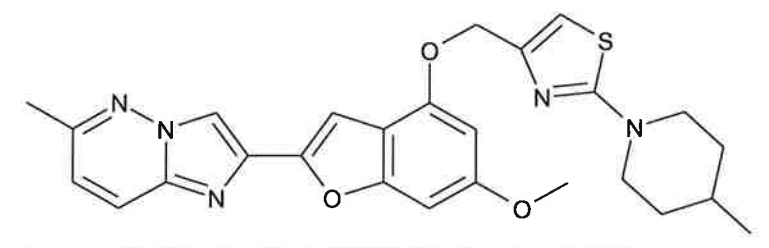


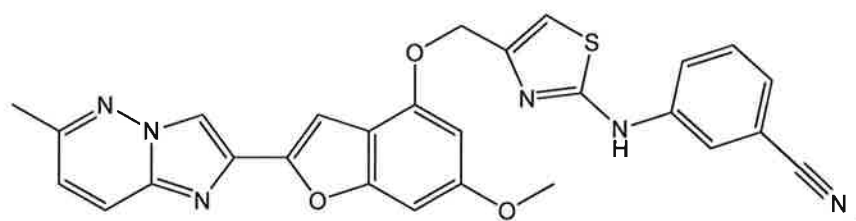
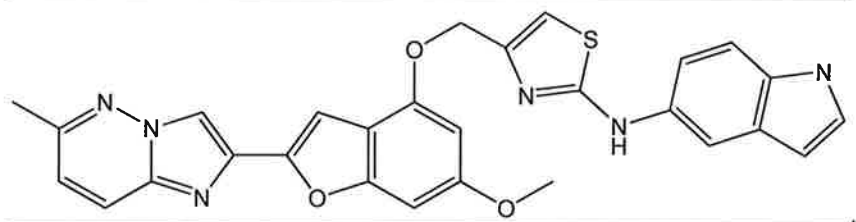
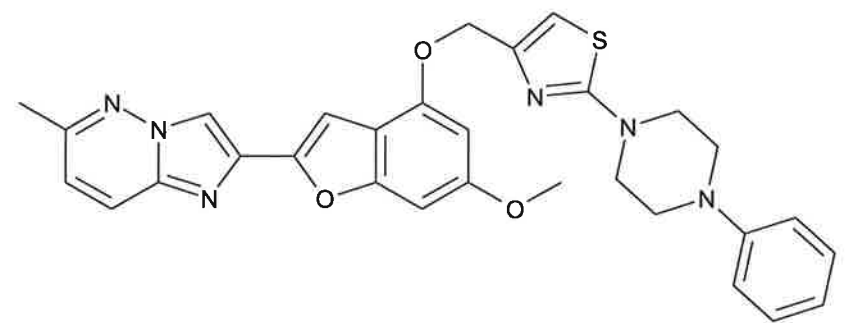
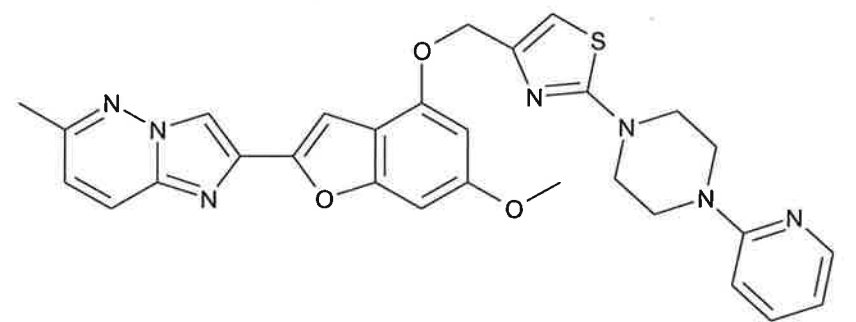
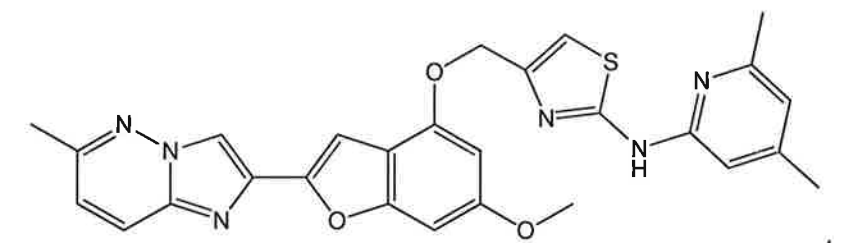
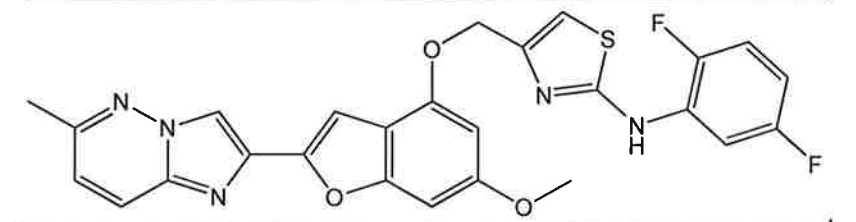


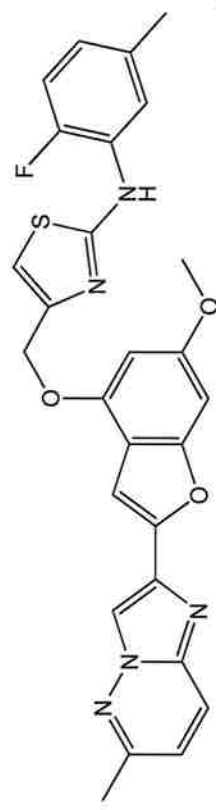
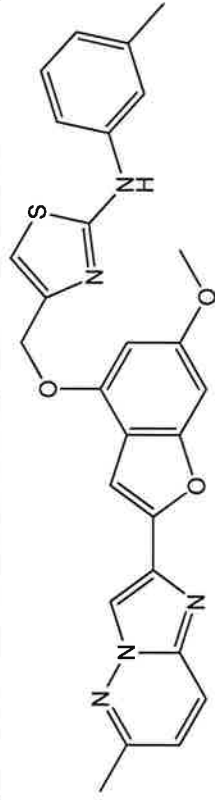
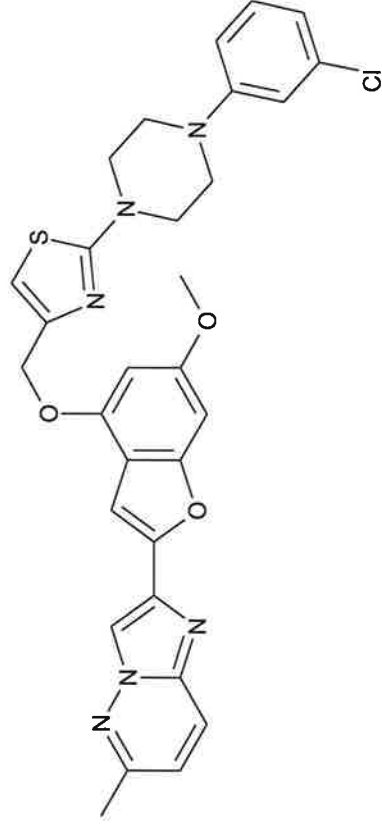
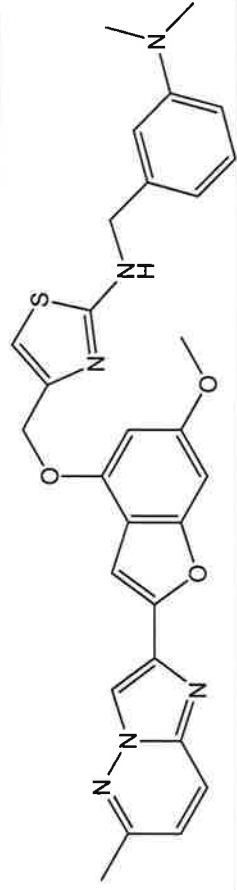
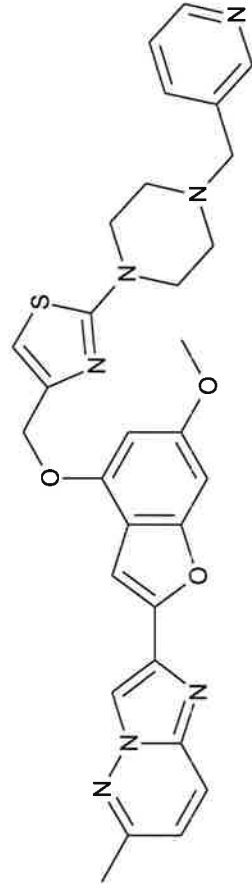
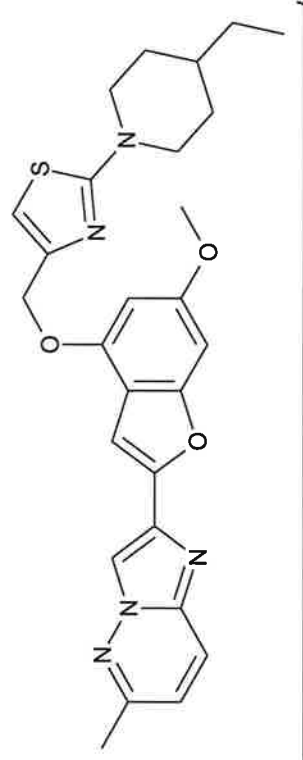


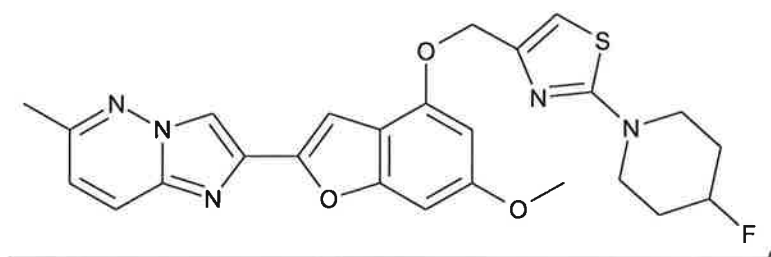
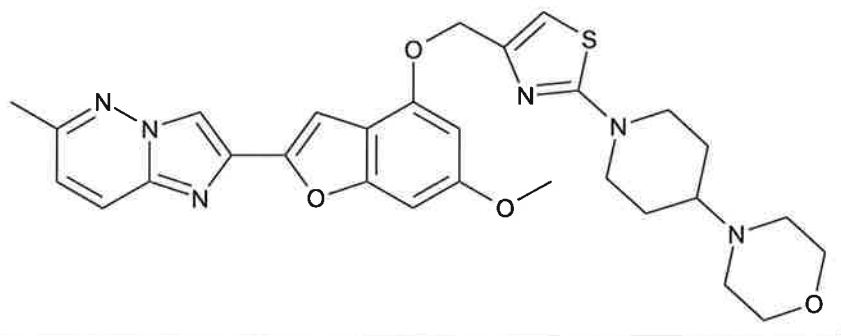


Chiral

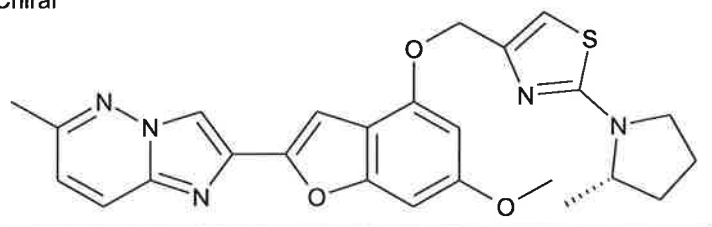




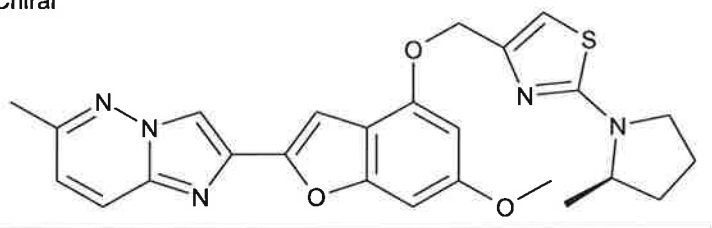
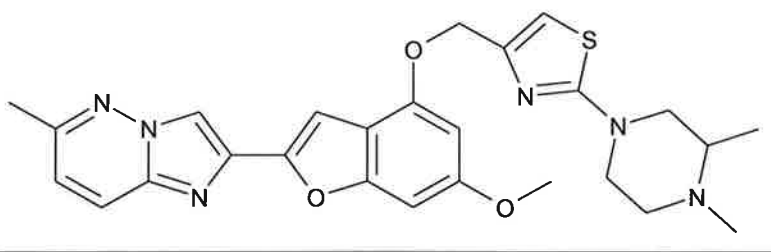
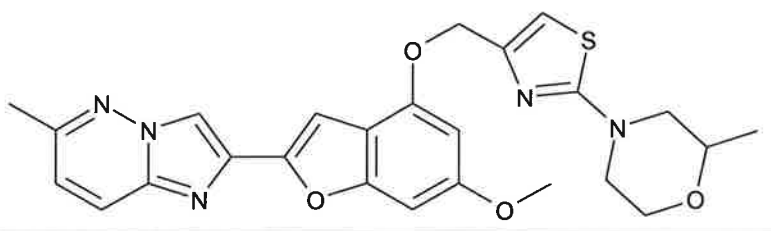


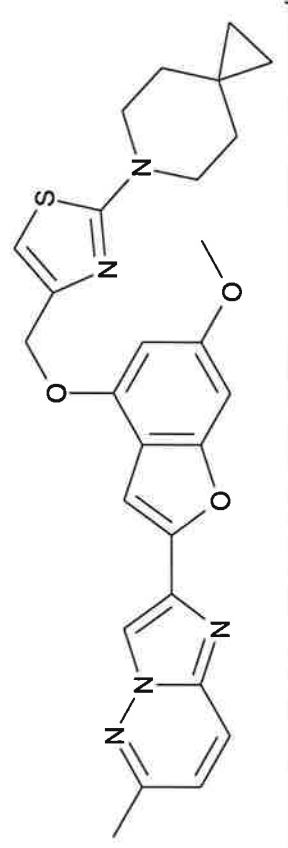
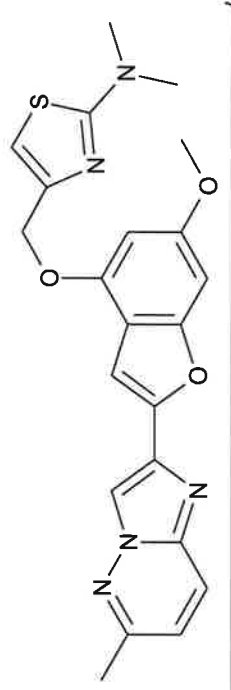
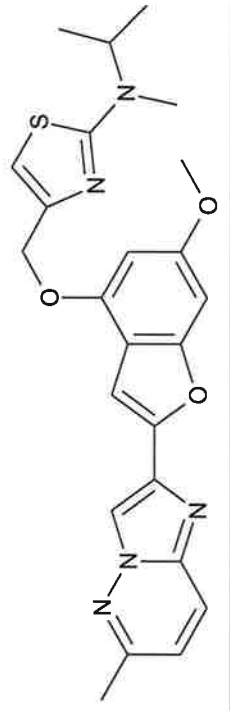
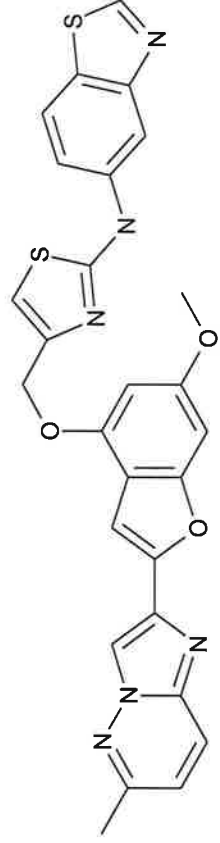
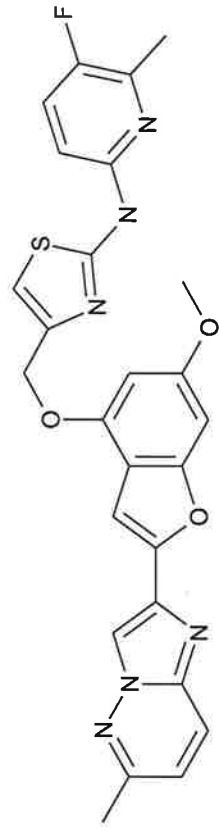
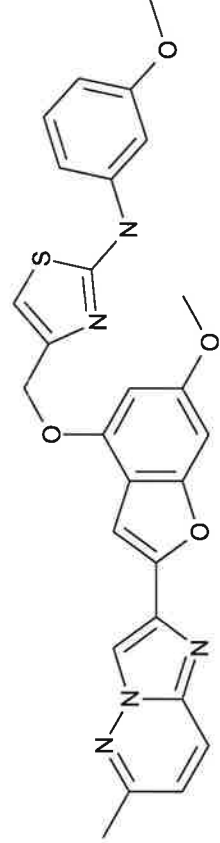


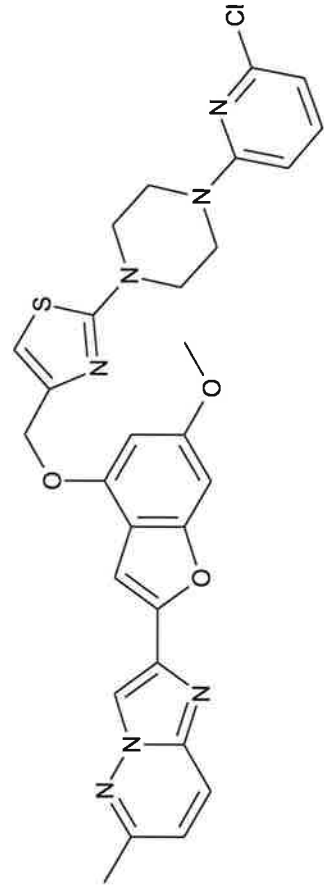
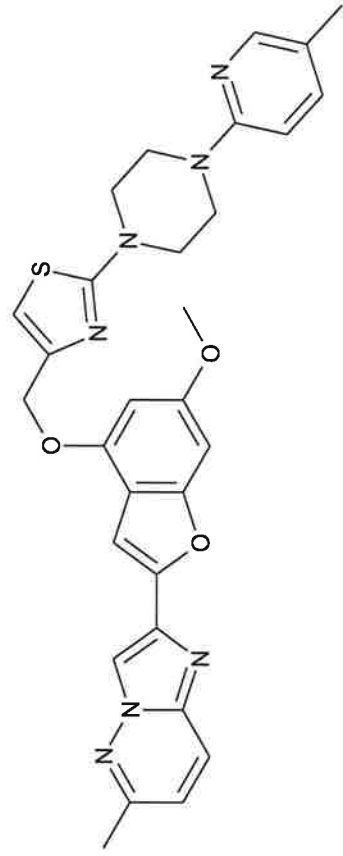
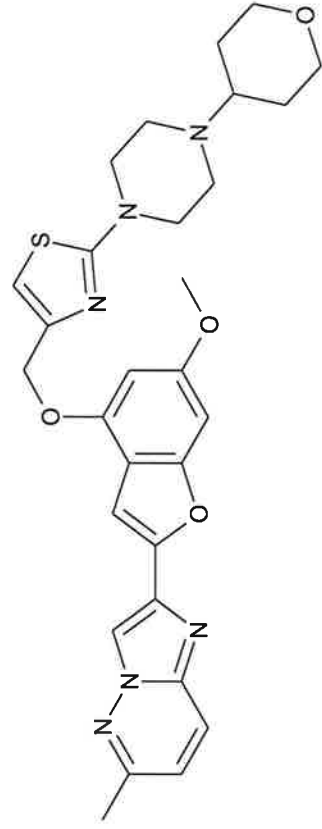
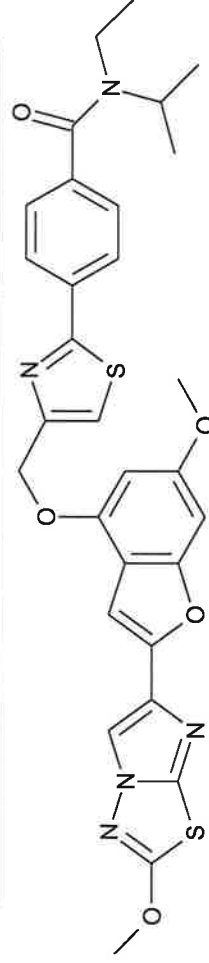
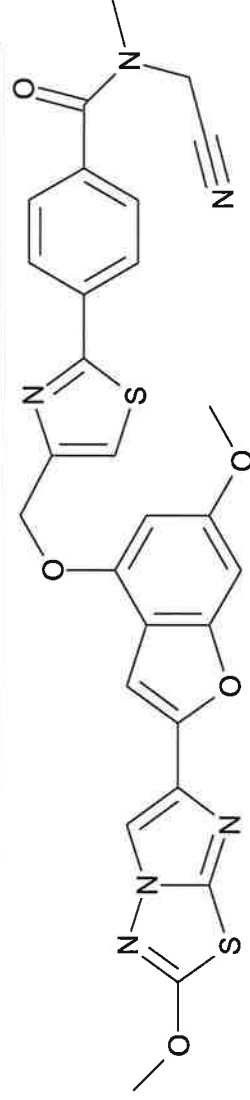
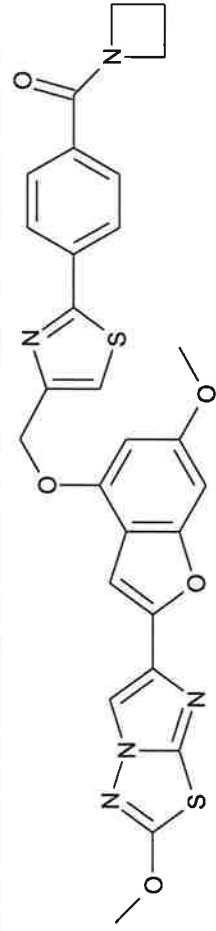
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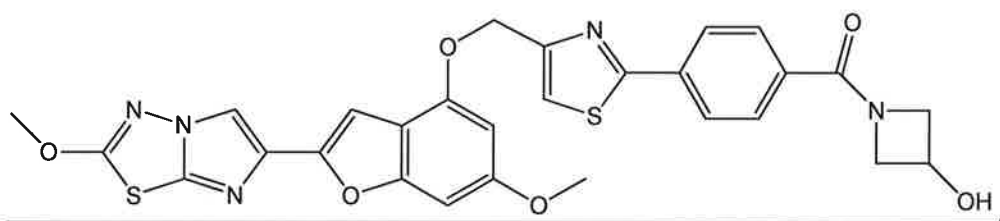
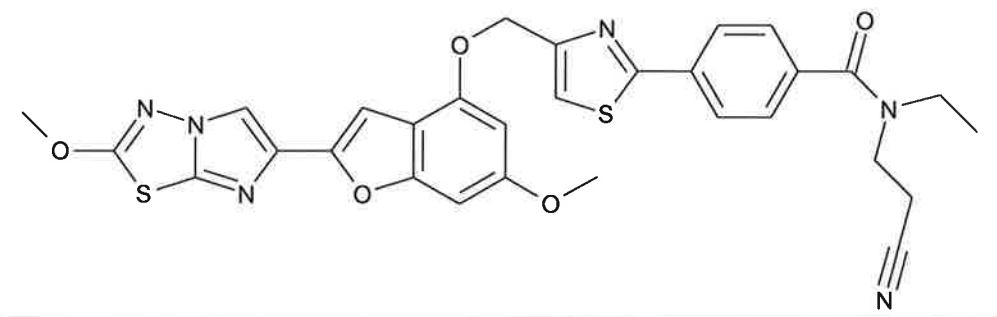
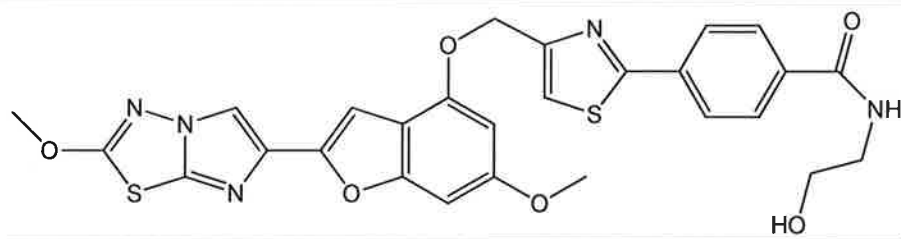
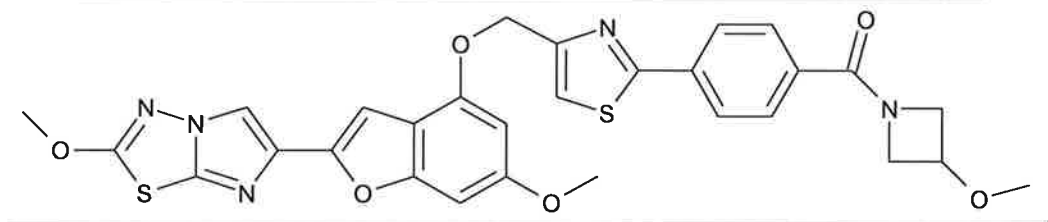
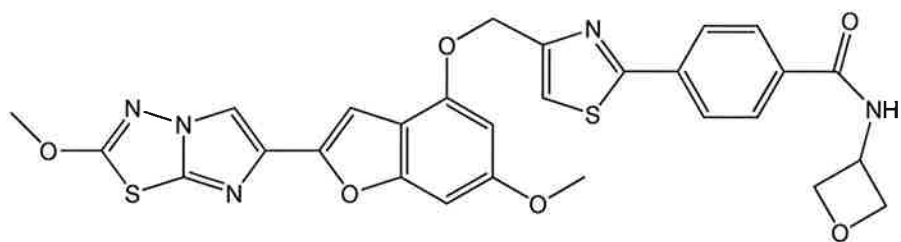
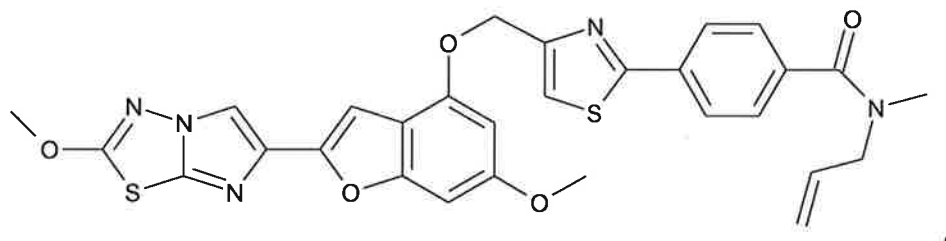


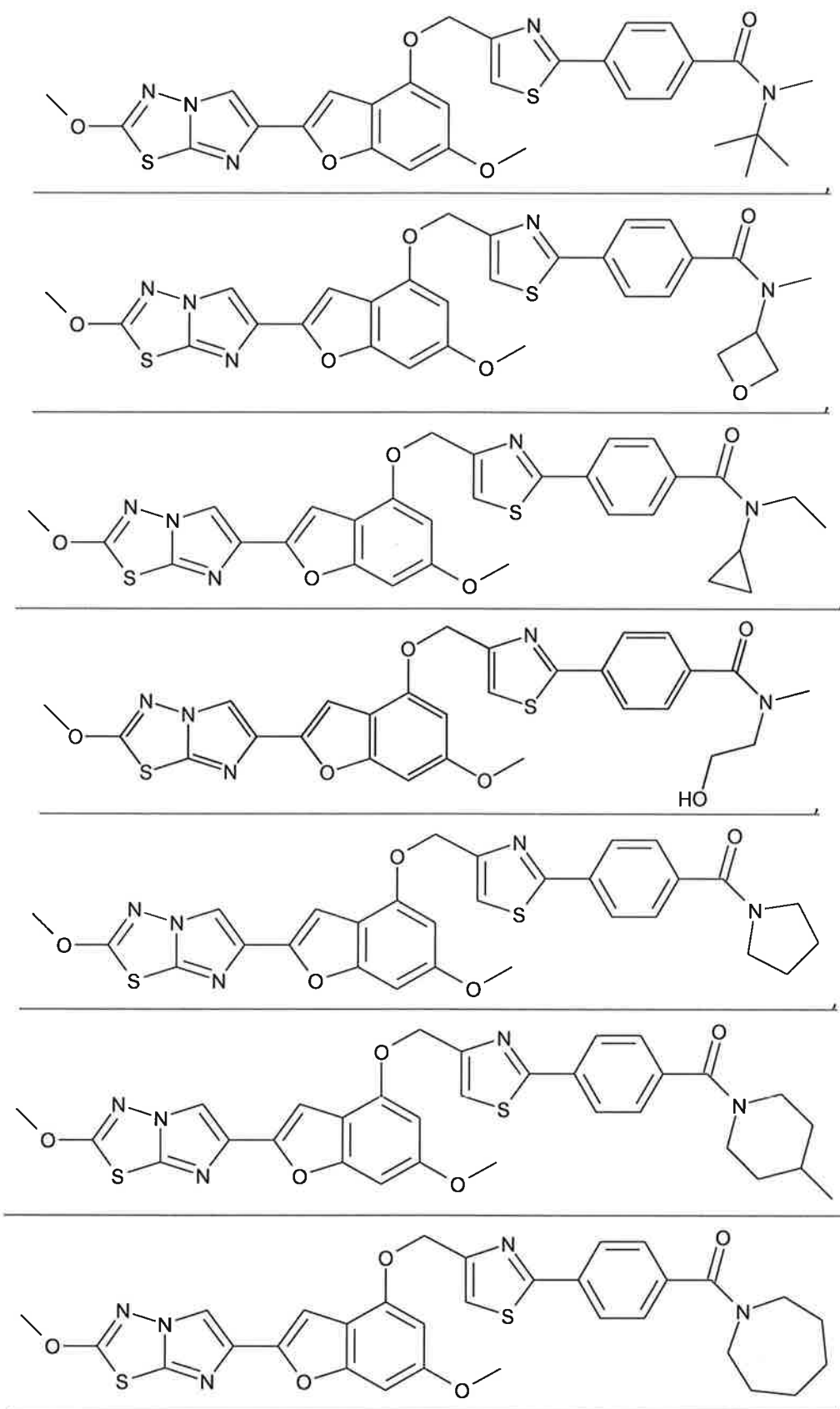
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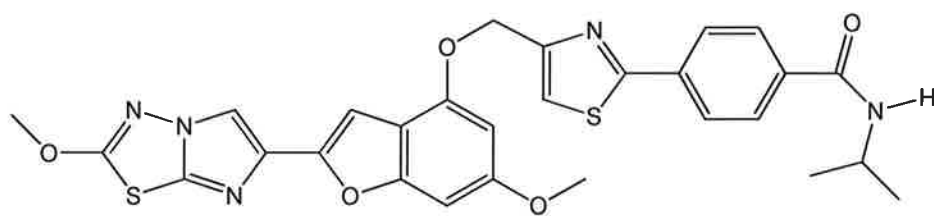
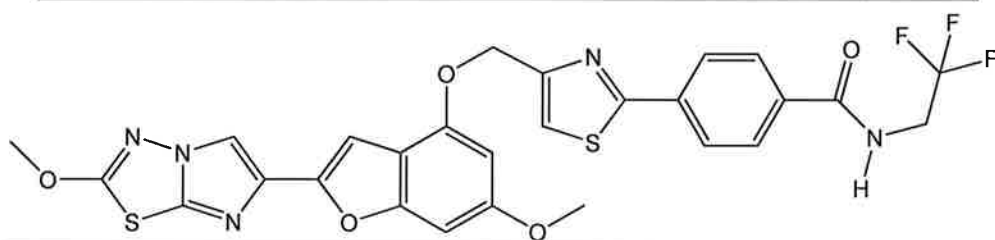
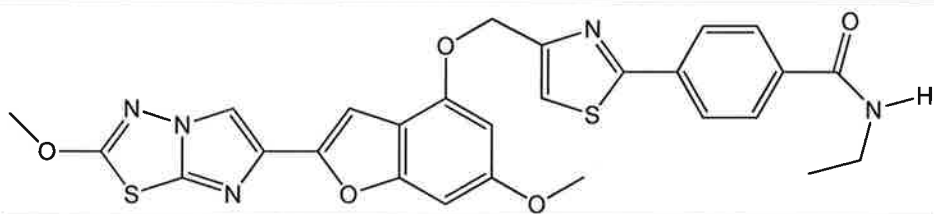
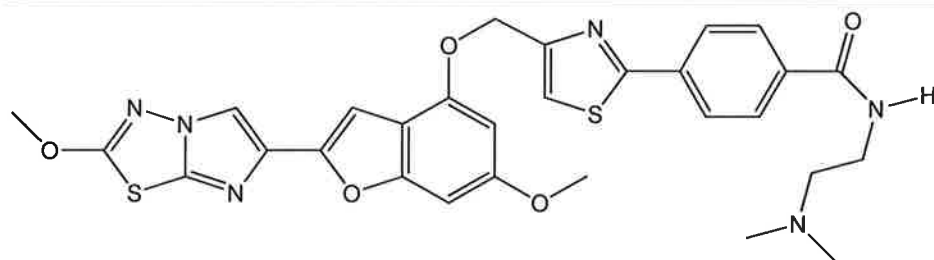
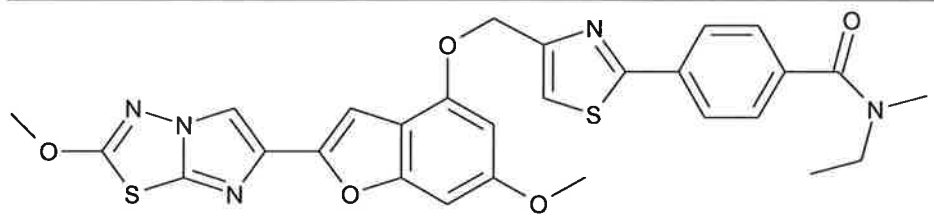
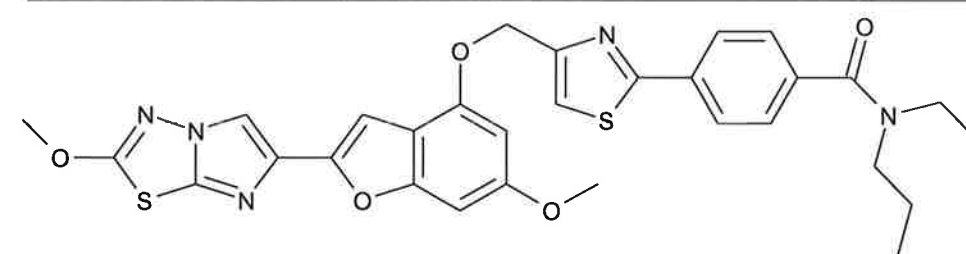
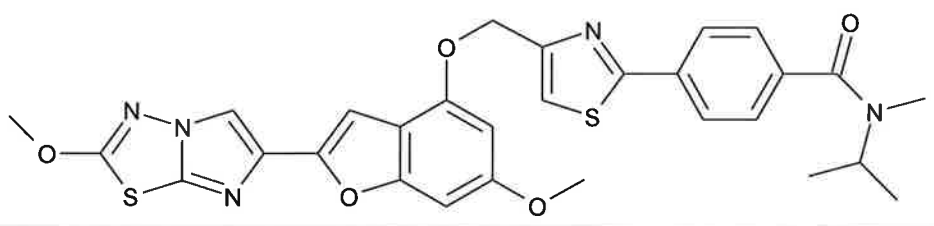


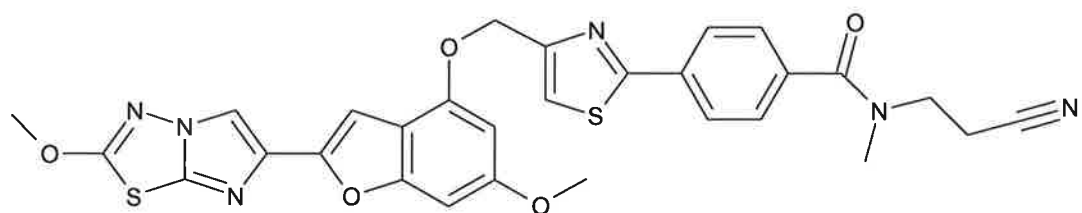
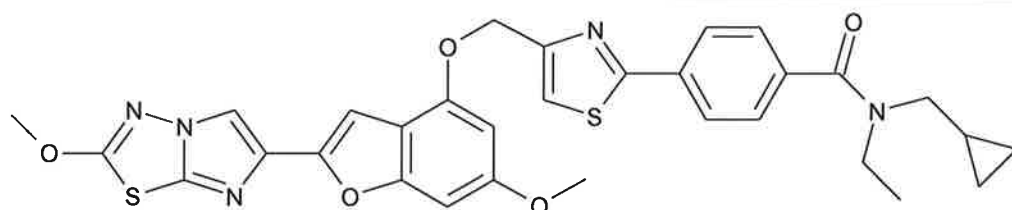
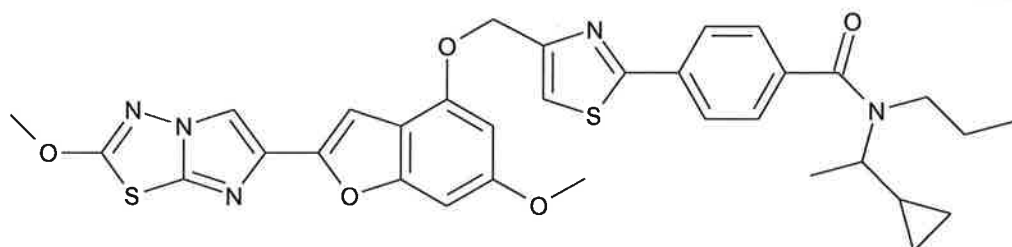
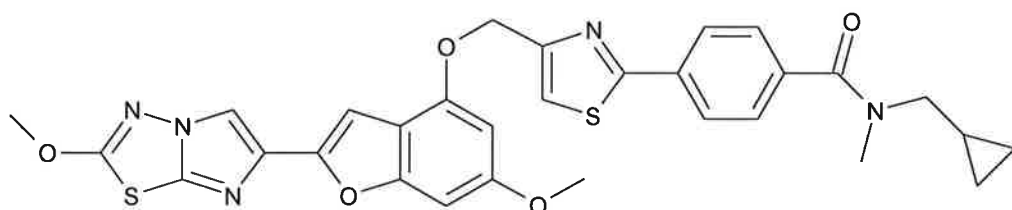
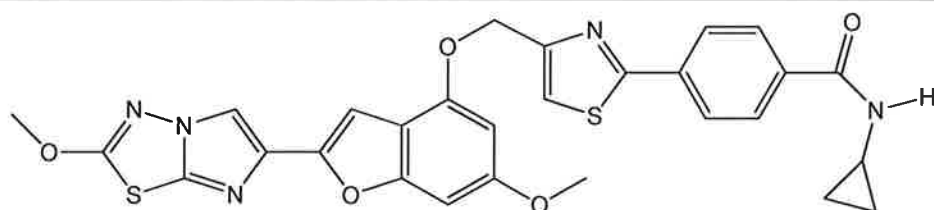
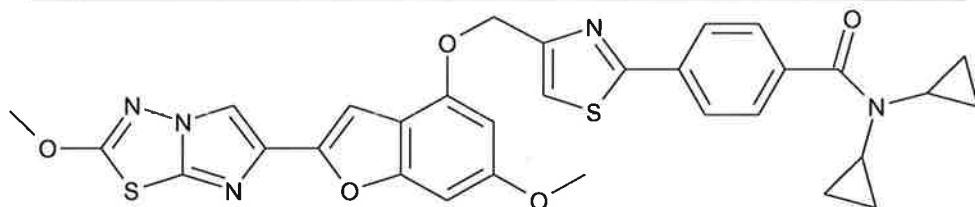
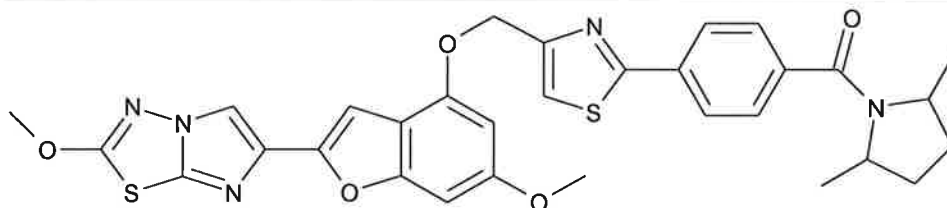




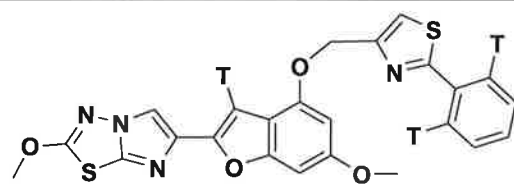








and



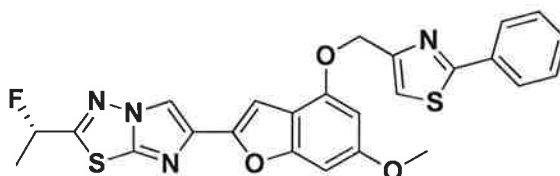
13. A pharmaceutical composition, which comprises a pharmaceutically acceptable carrier and a compound as defined in Claim 1, or stereoisomers, tautomers, pharmaceutically acceptable salts, or solvates thereof, alone or in combination with another therapeutic agent.

14. Use of a therapeutically effective amount of a compound as defined in Claim 1, or stereoisomers, tautomers, pharmaceutically acceptable salts, or solvates thereof in the manufacture of a medicament for the treatment of a thromboembolic disorder or the primary or secondary prophylaxis of a thromboembolic disorder, wherein the thromboembolic disorder is selected

cardiovascular thromboembolic disorders, cerebrovascular thromboembolic disorders, and thromboembolic disorders in the chambers of the heart or in the peripheral circulation.

25. The use of a therapeutically effective amount of a compound as defined in Claim 20323, or pharmaceutically acceptable salts thereof, for the preparation of a medicament for inhibiting or preventing platelet aggregation in a patient in need thereof.

26. A compound of Claim 19 of the Formula:



or pharmaceutically acceptable salt thereof.

27. The use of a therapeutically effective amount of a compound as defined in Claim 26, or pharmaceutically acceptable salts thereof, for the preparation of a medicament to treat a thromboembolic disorder or the primary or secondary prophylaxis of a thromboembolic disorder in a patient in need thereof, wherein the thromboembolic disorder is selected from the group consisting of arterial cardiovascular thromboembolic disorders, venous cardiovascular thromboembolic disorders, cerebrovascular thromboembolic disorders, and thromboembolic disorders in the chambers of the heart or in the peripheral circulation.

28. The use of a therapeutically effective amount of a PAR4 antagonist as defined in Claim 26, or pharmaceutically acceptable salts thereof, for the preparation of a medicament for inhibiting or preventing platelet aggregation in a patient in need thereof.

29. A compound of Claim 19 of the Formula:

