

FIG. 1A

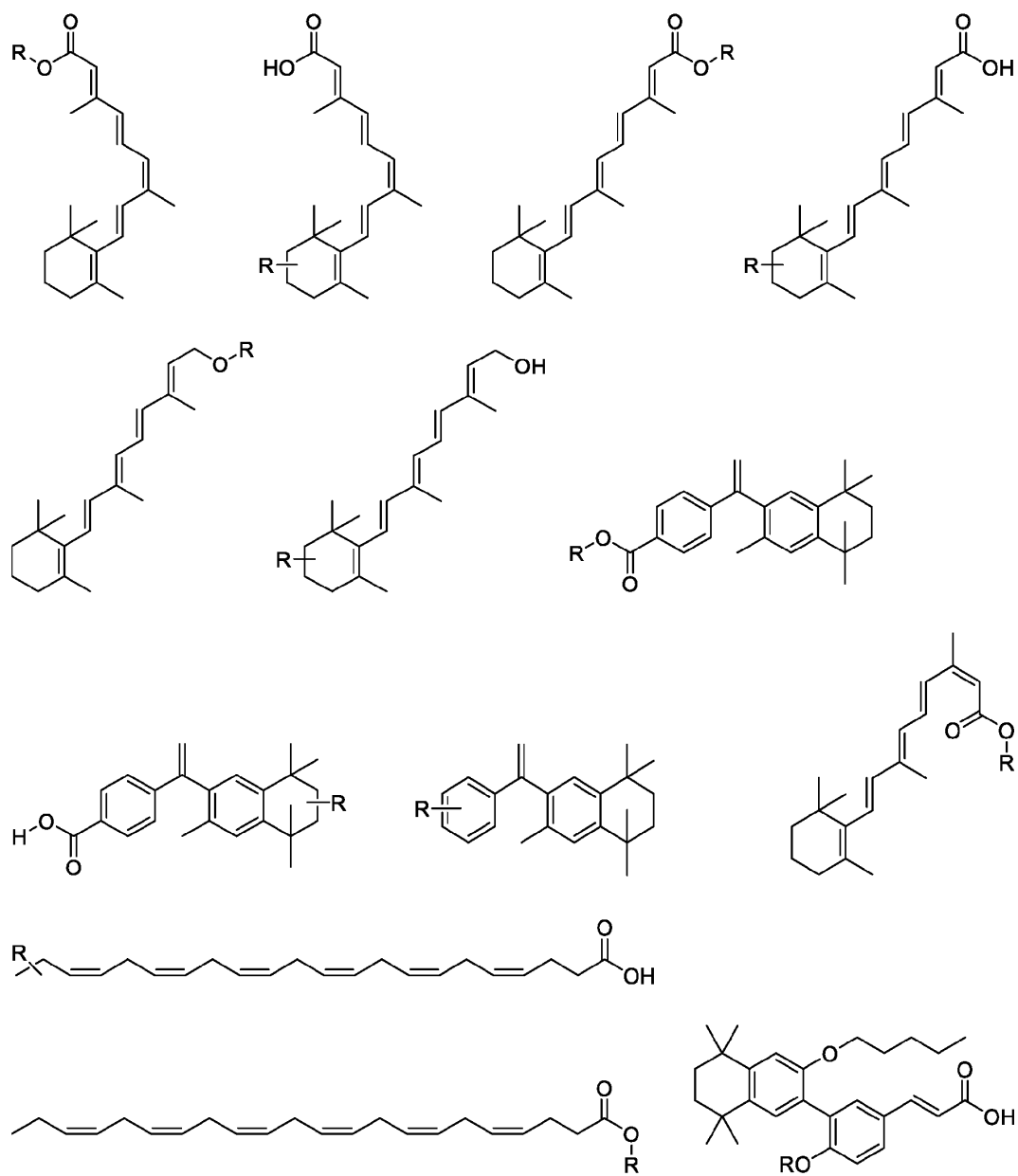


FIG. 1B

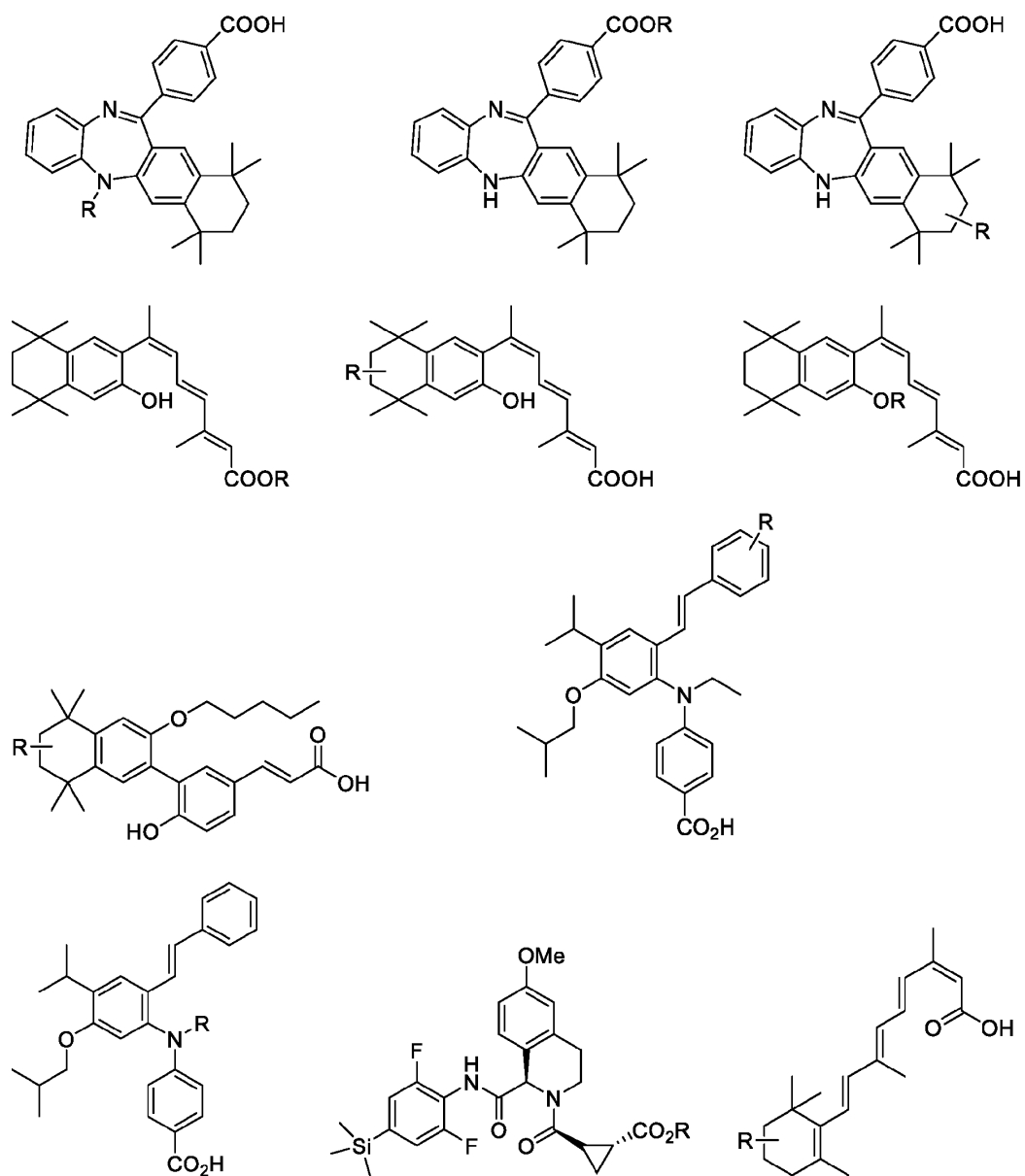


FIG. 1C

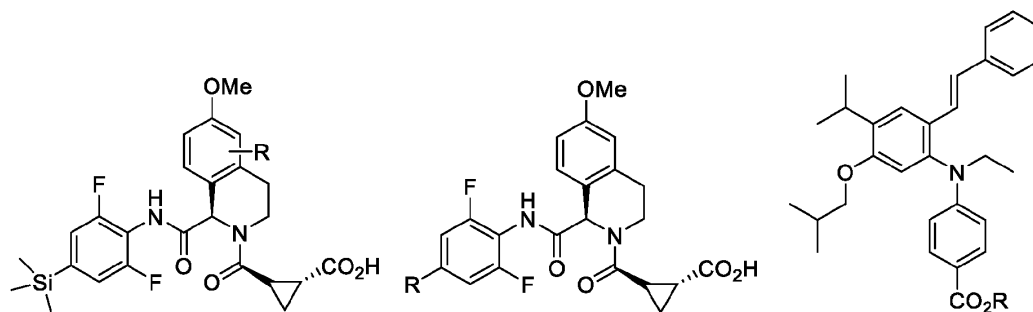
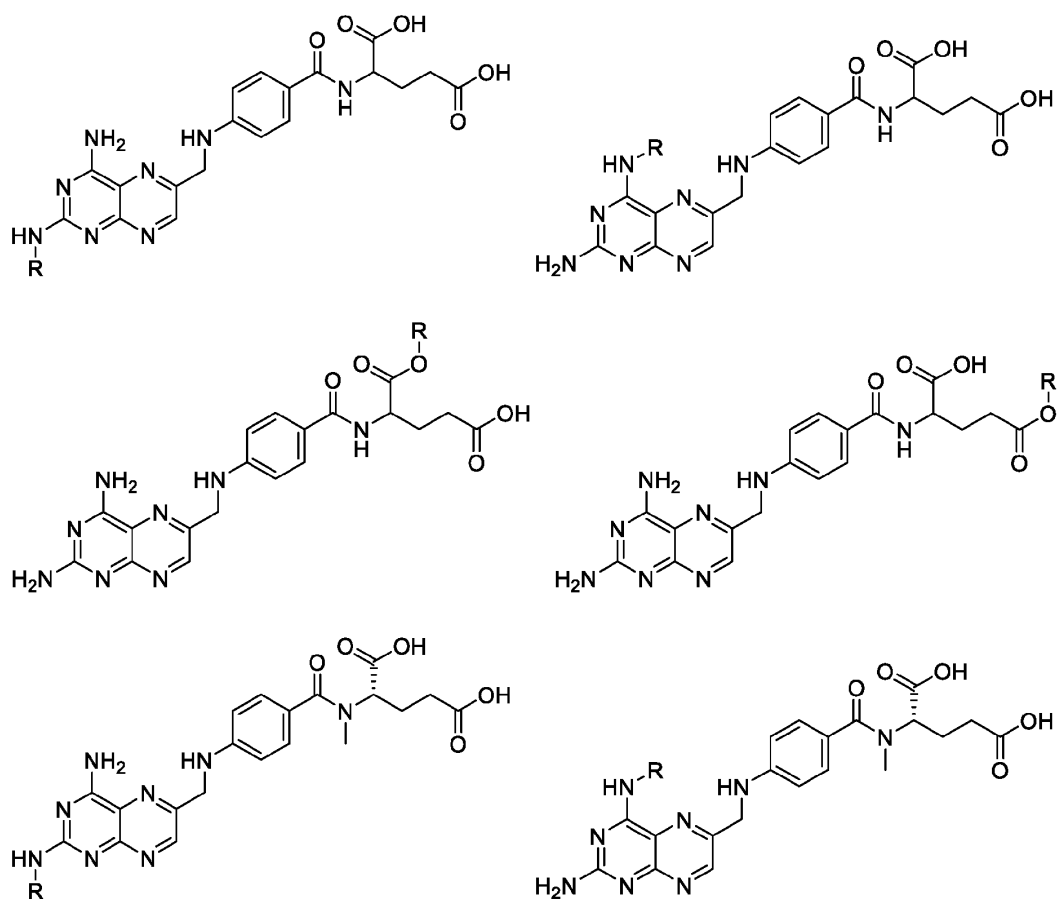


FIG. 1D



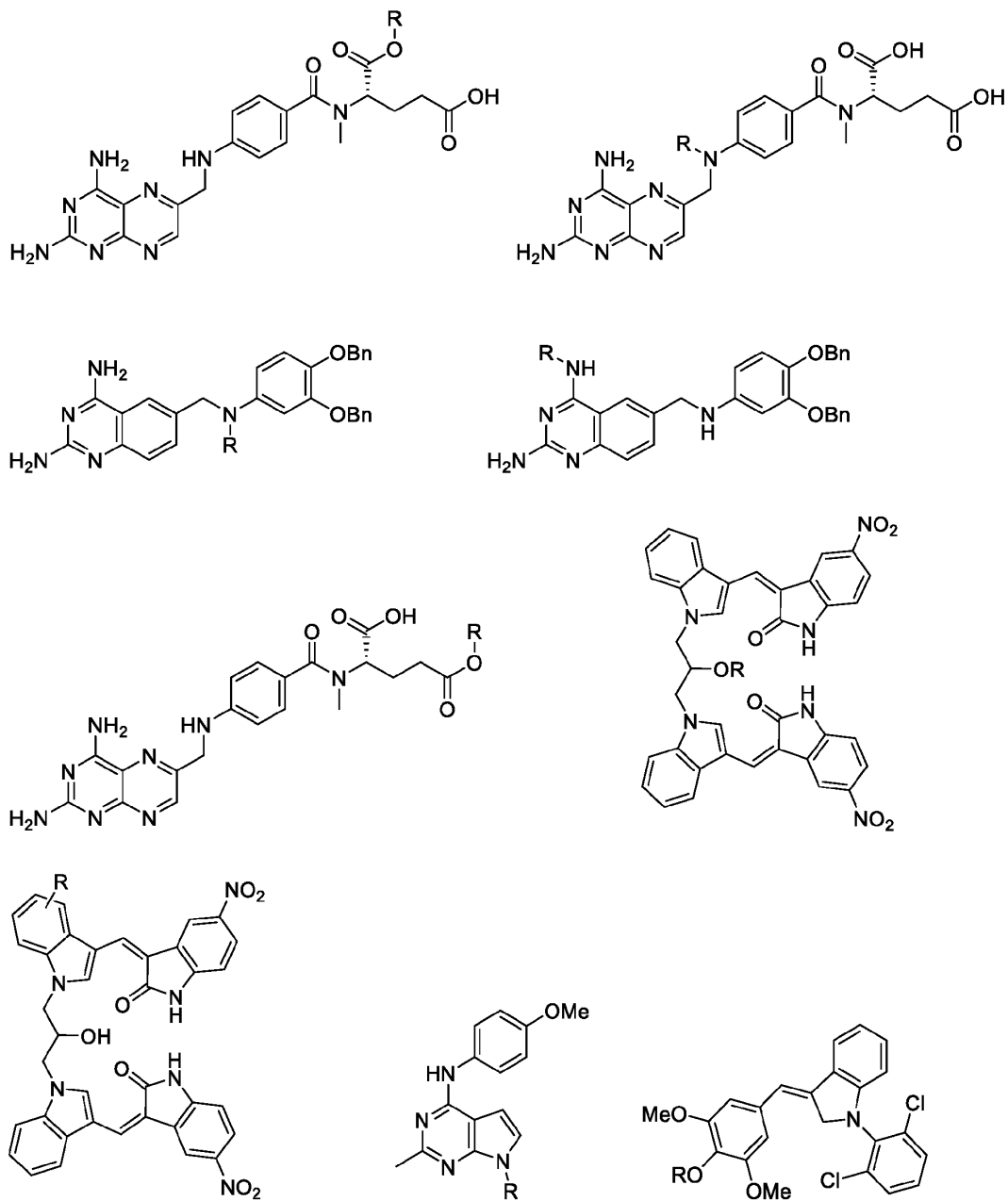


FIG. 1F

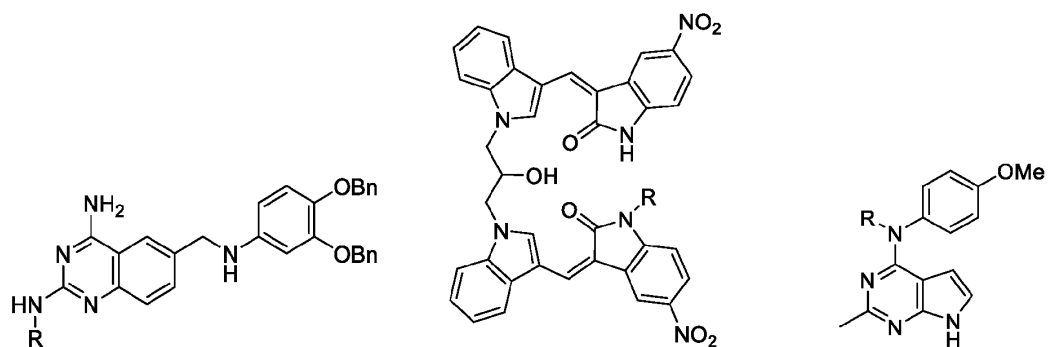


FIG. 1G

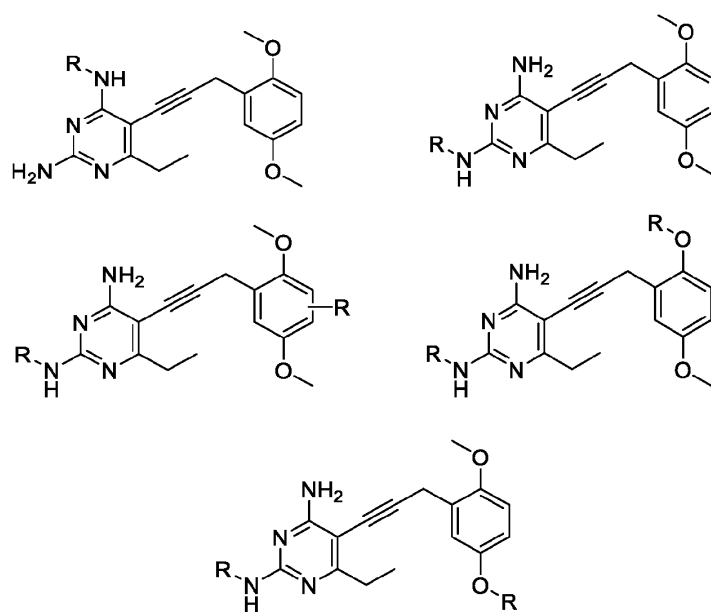


FIG. 1H

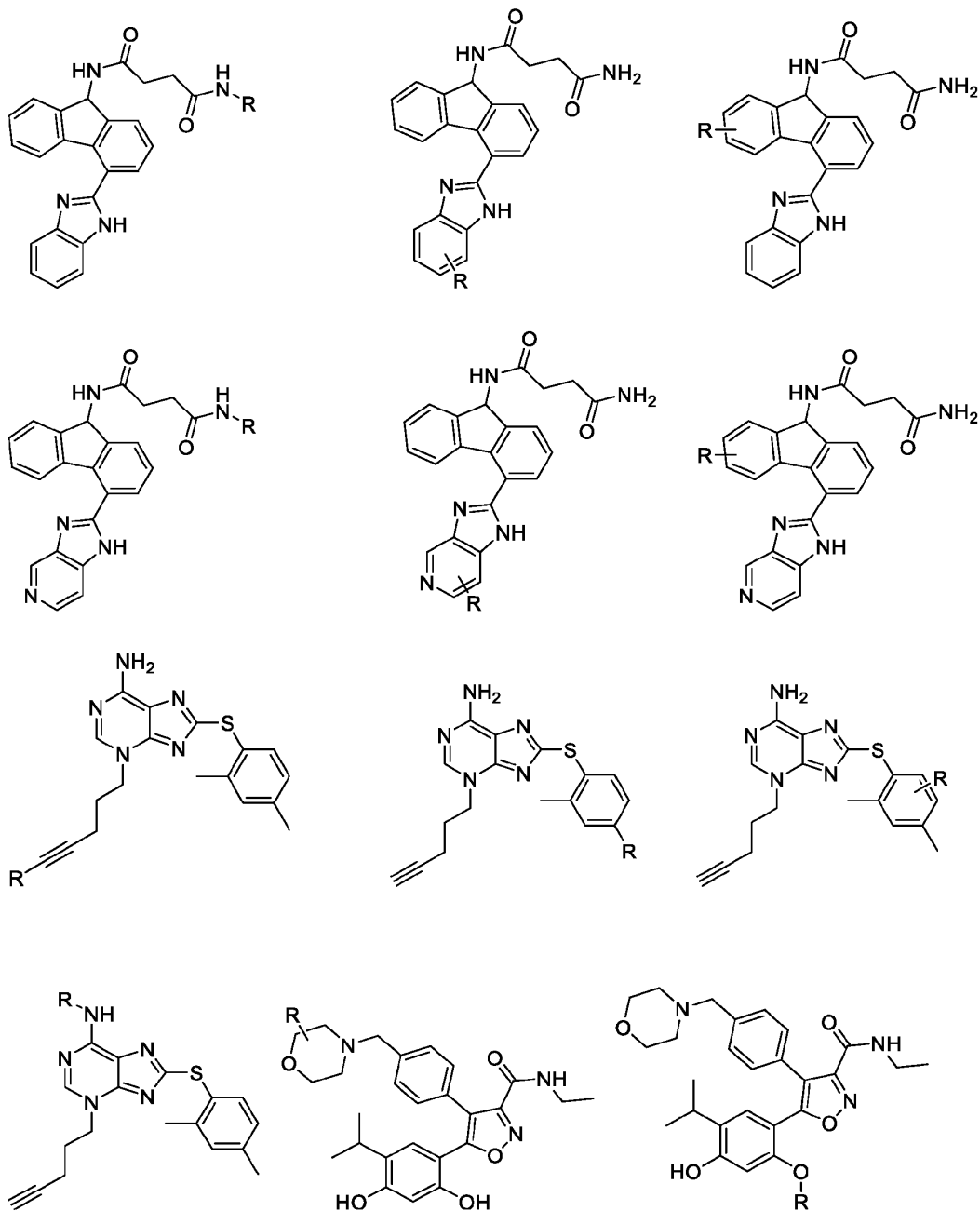


FIG. 11

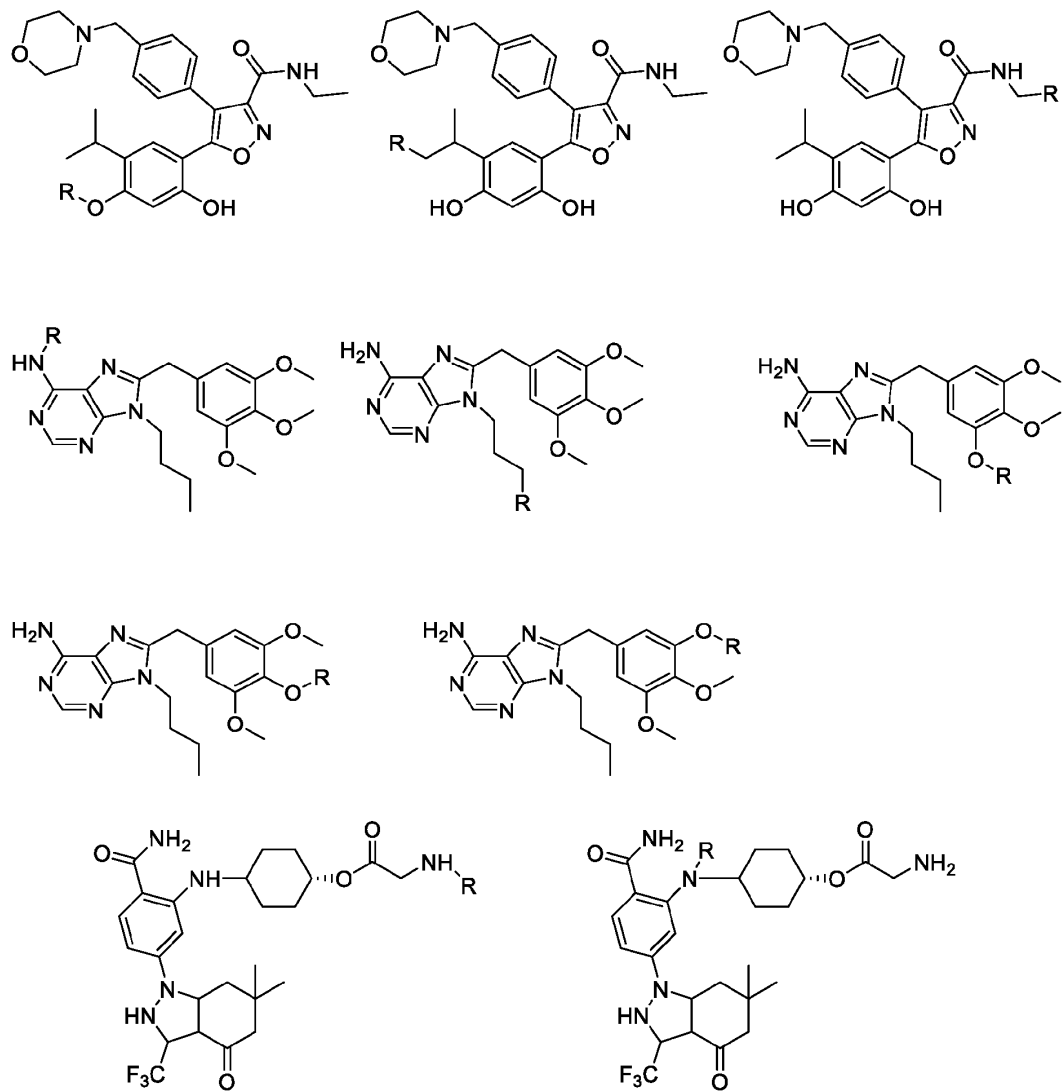


FIG. 1J

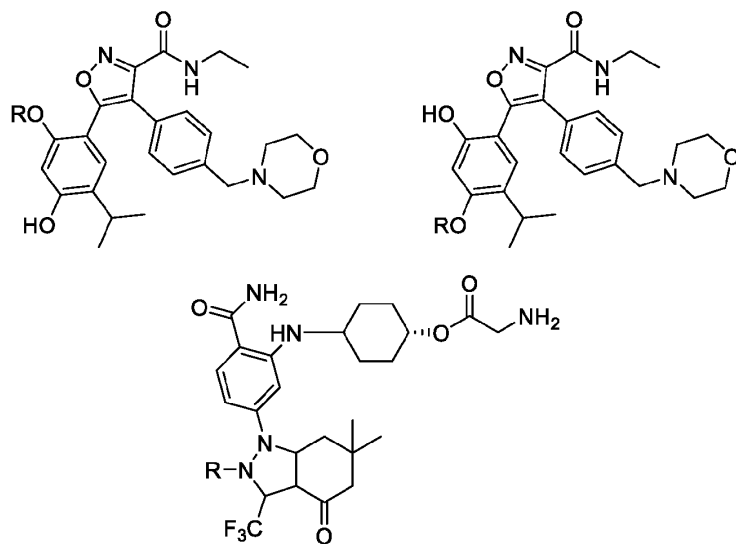


FIG. 1K

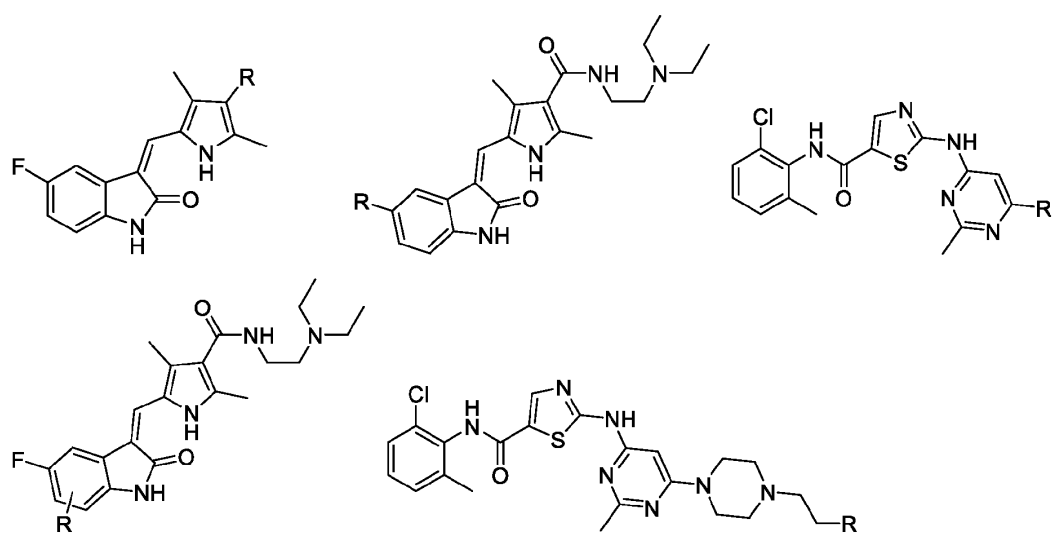




FIG. 1L

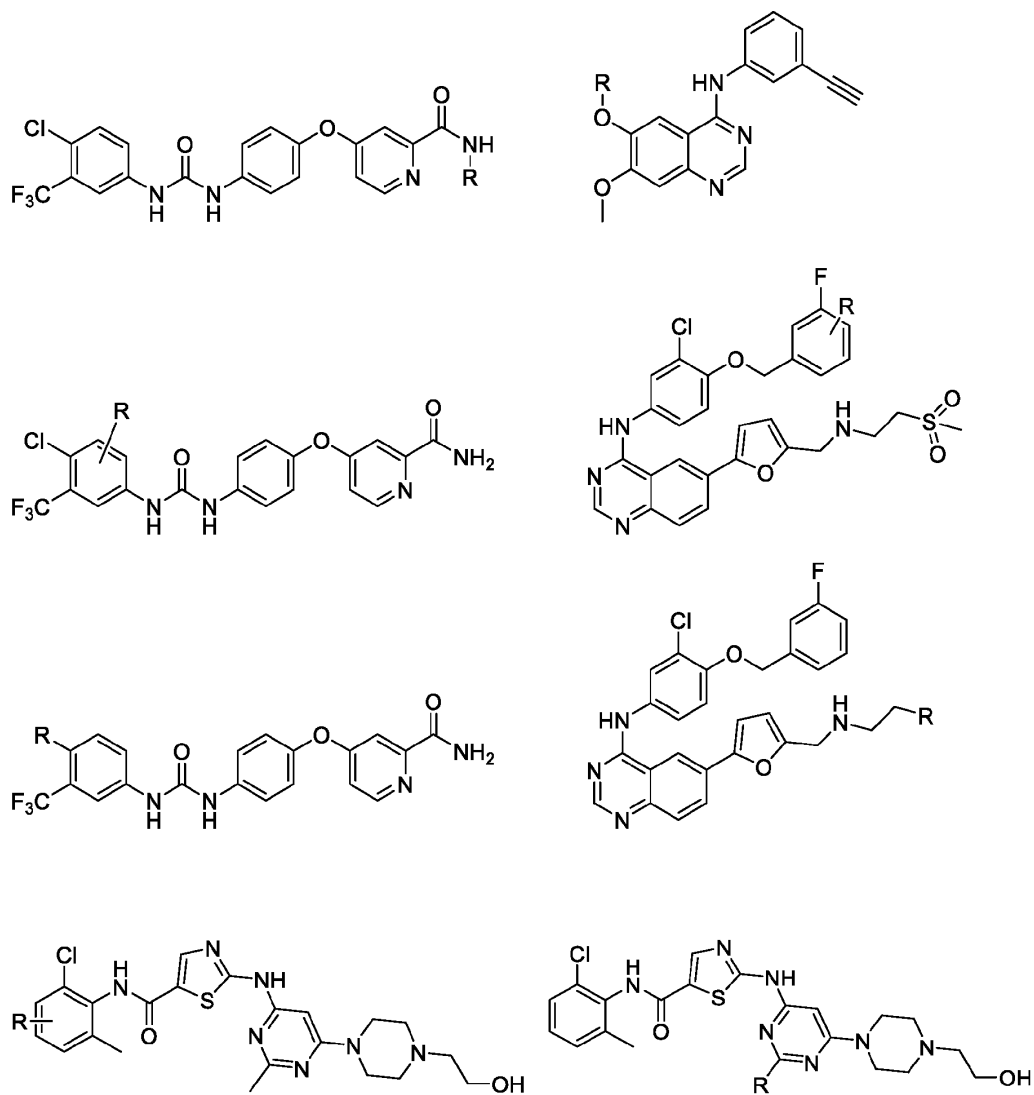


FIG. 1M

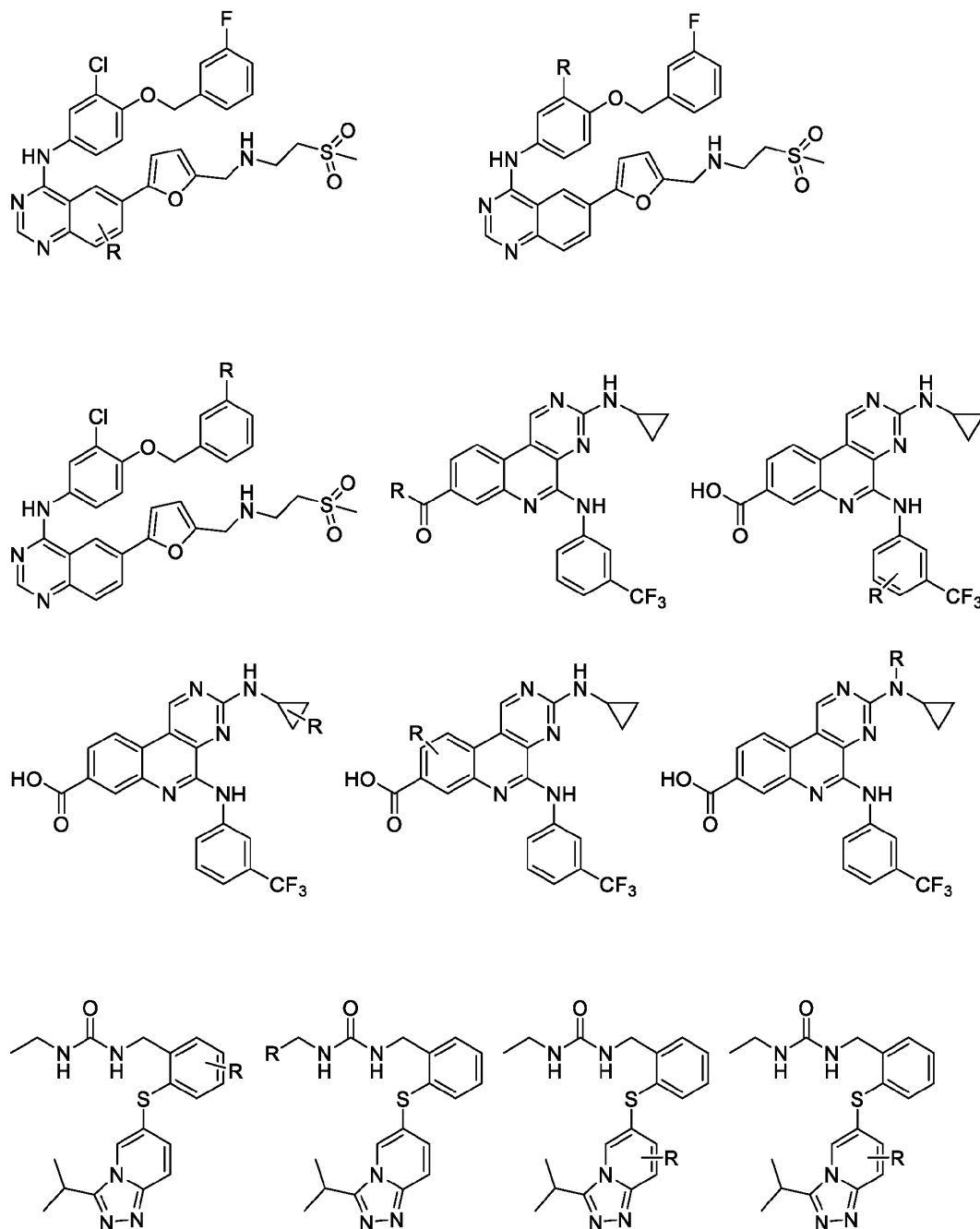


FIG. 1N

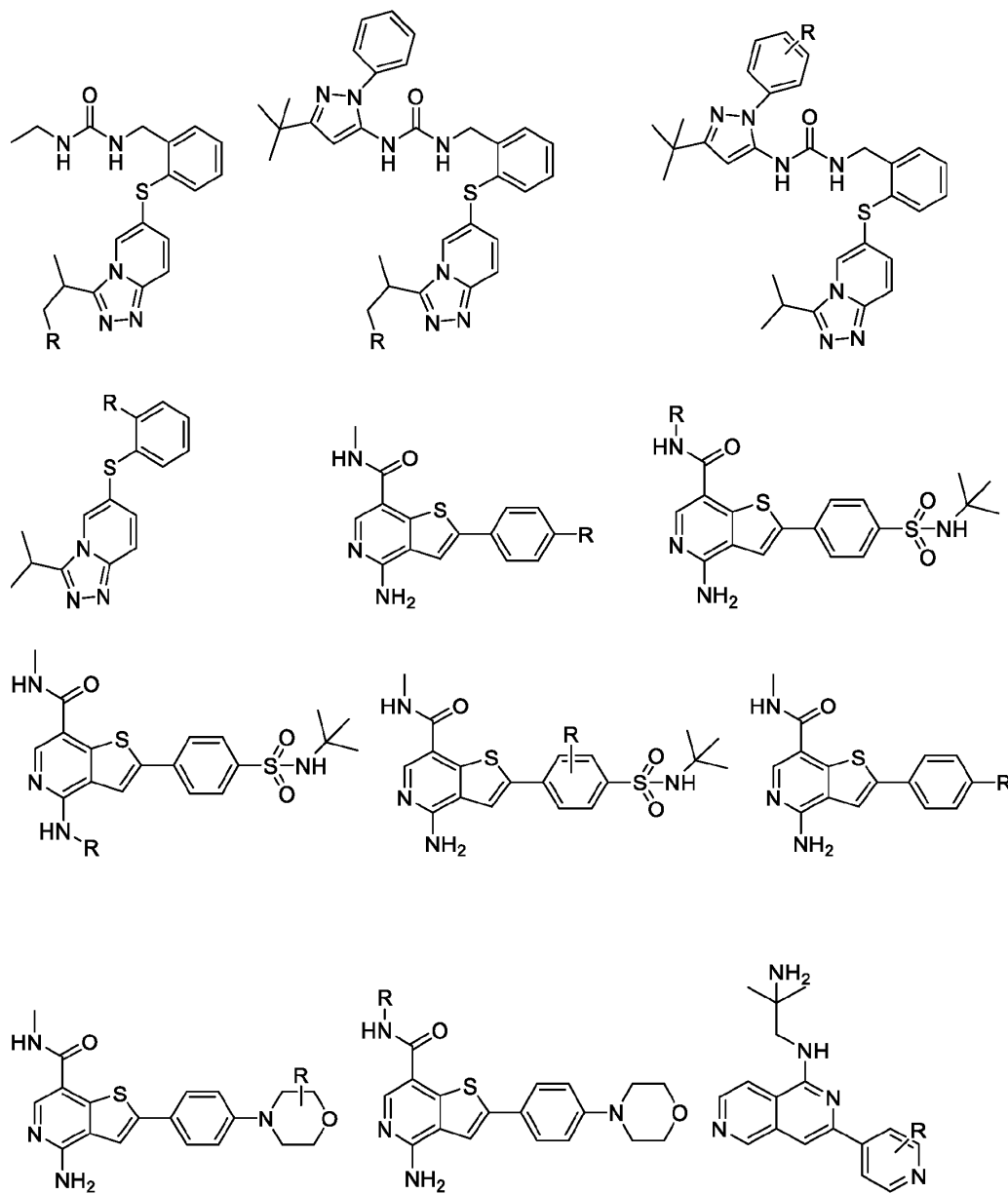


FIG. 10

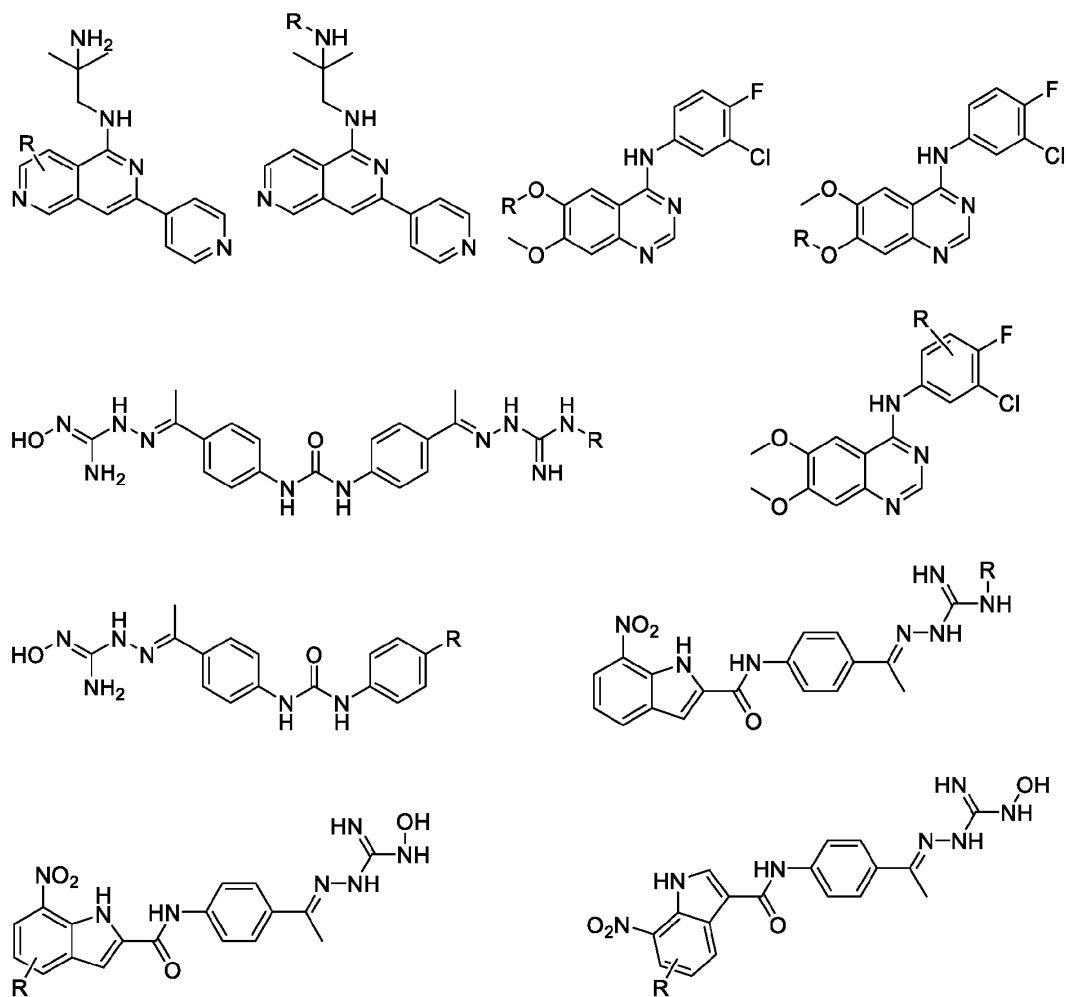


FIG. 1P

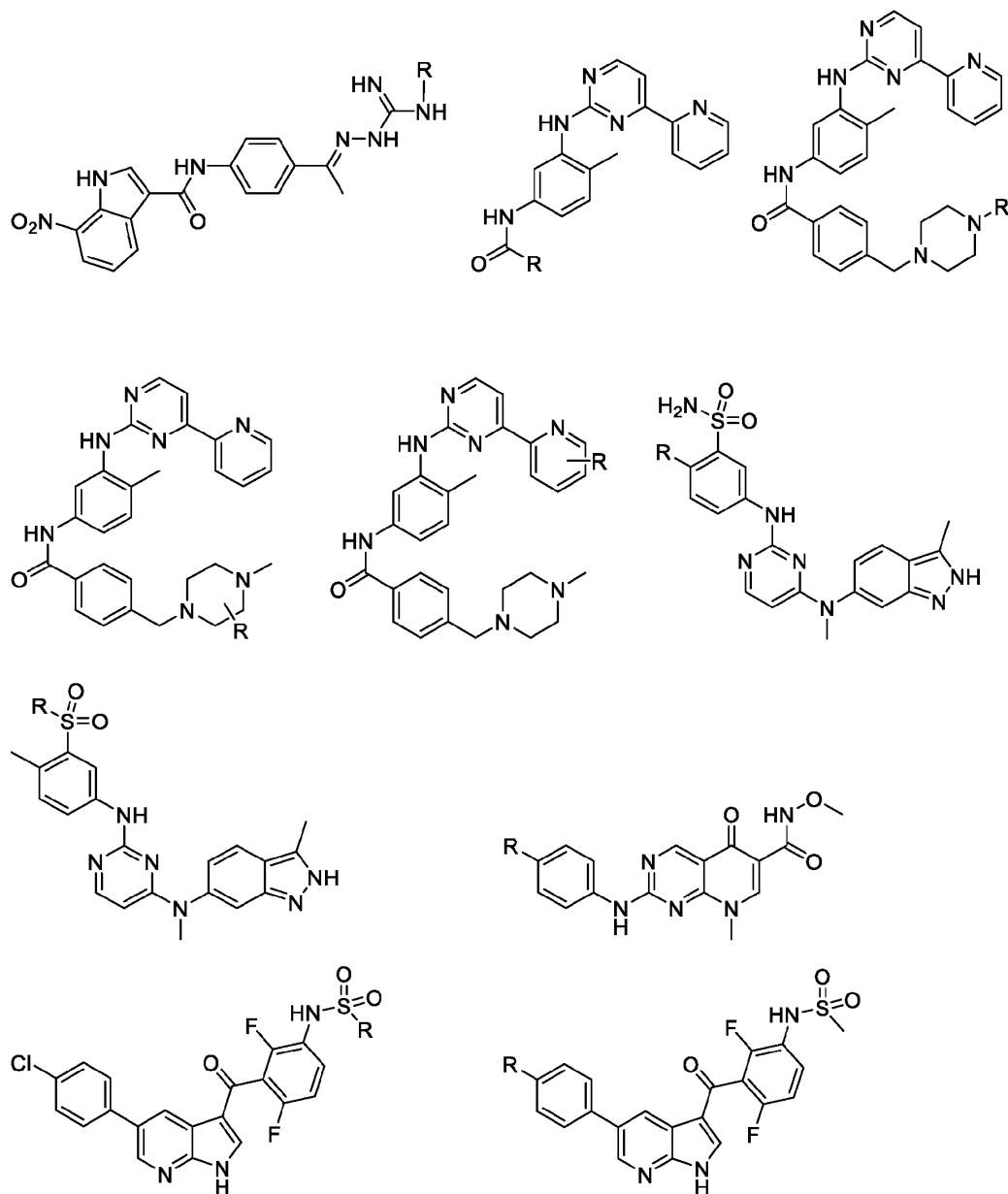


FIG. 1Q

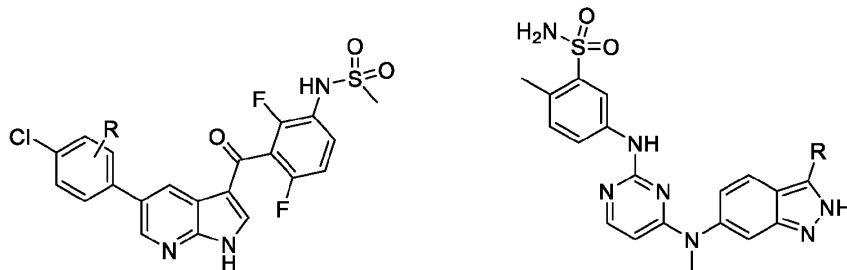


FIG. 1R

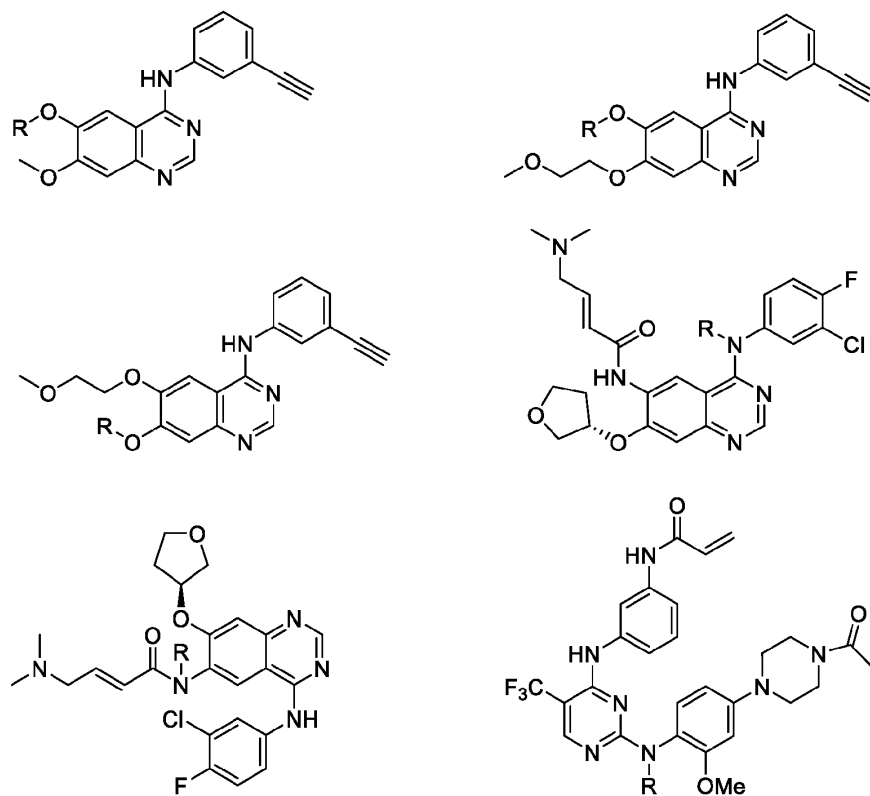


FIG. 1S

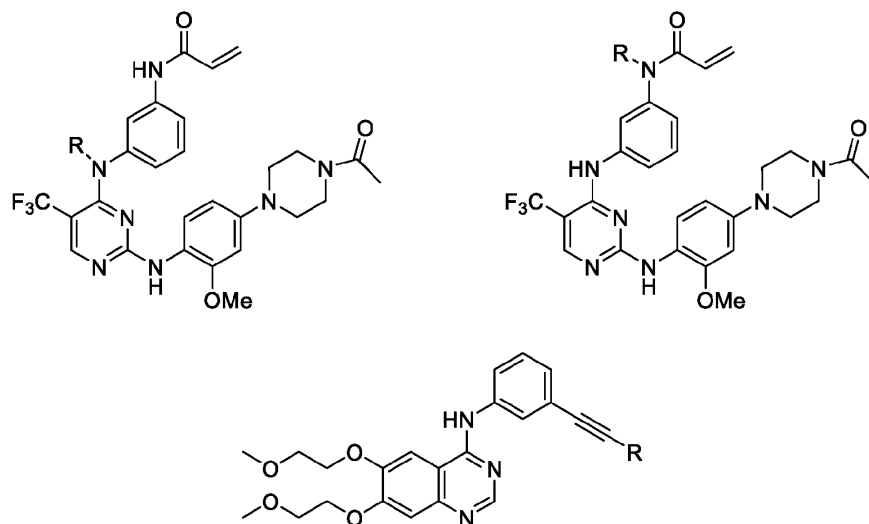


FIG. 1T

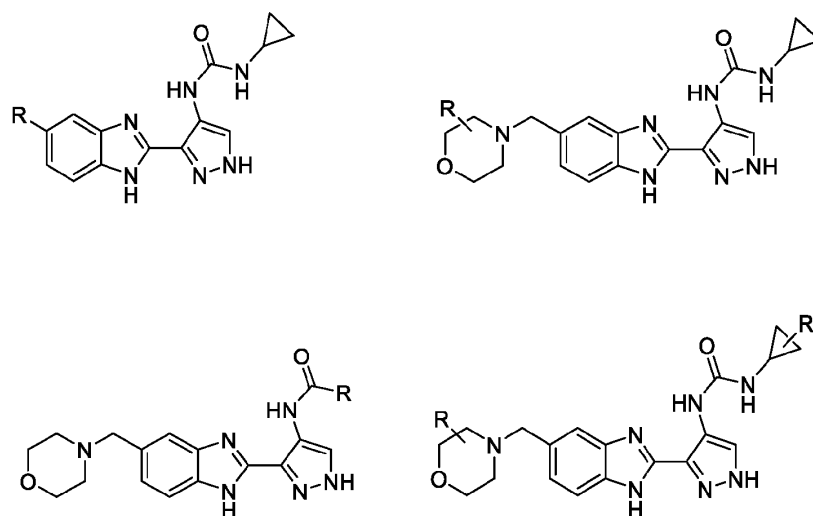


FIG. 1U

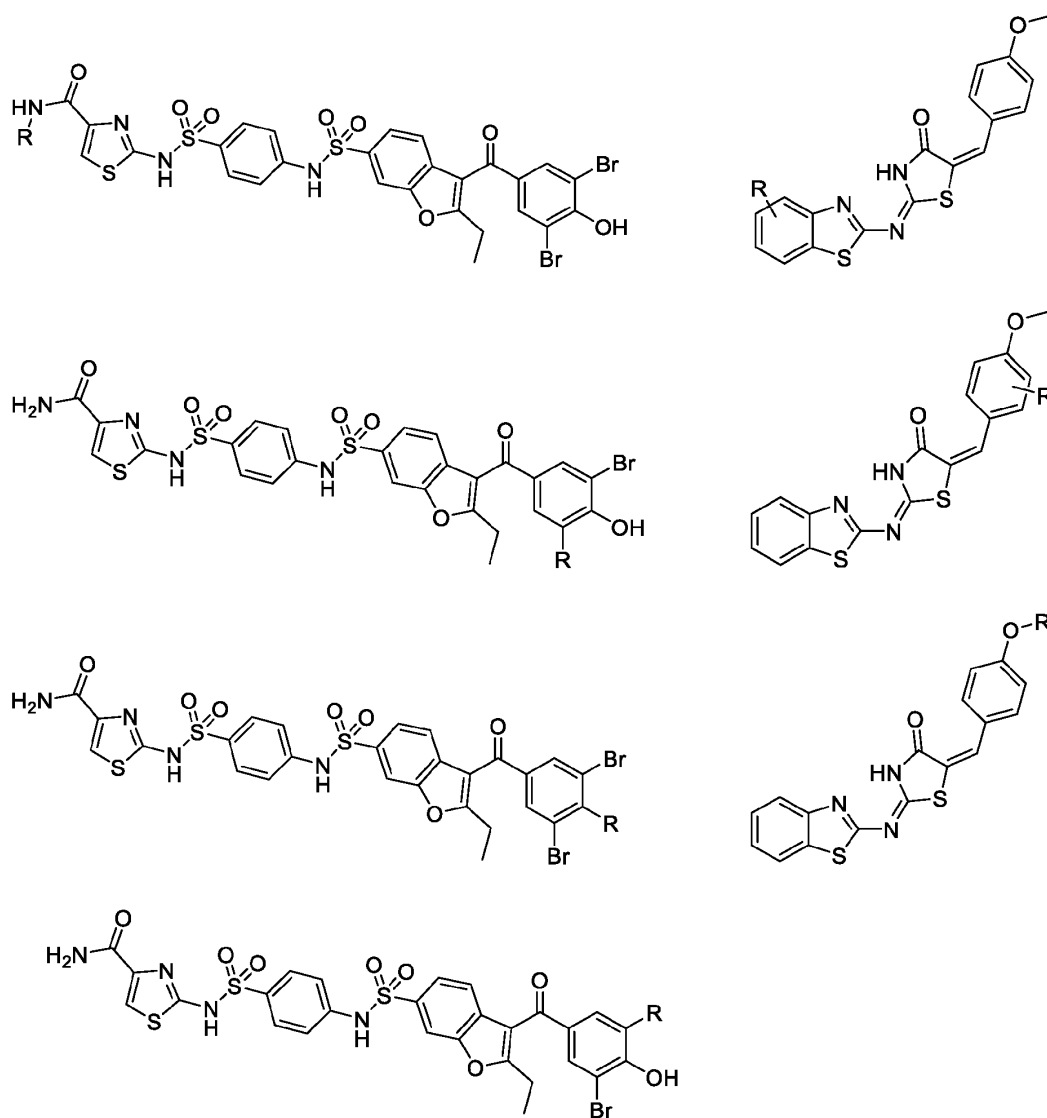




FIG. 1V

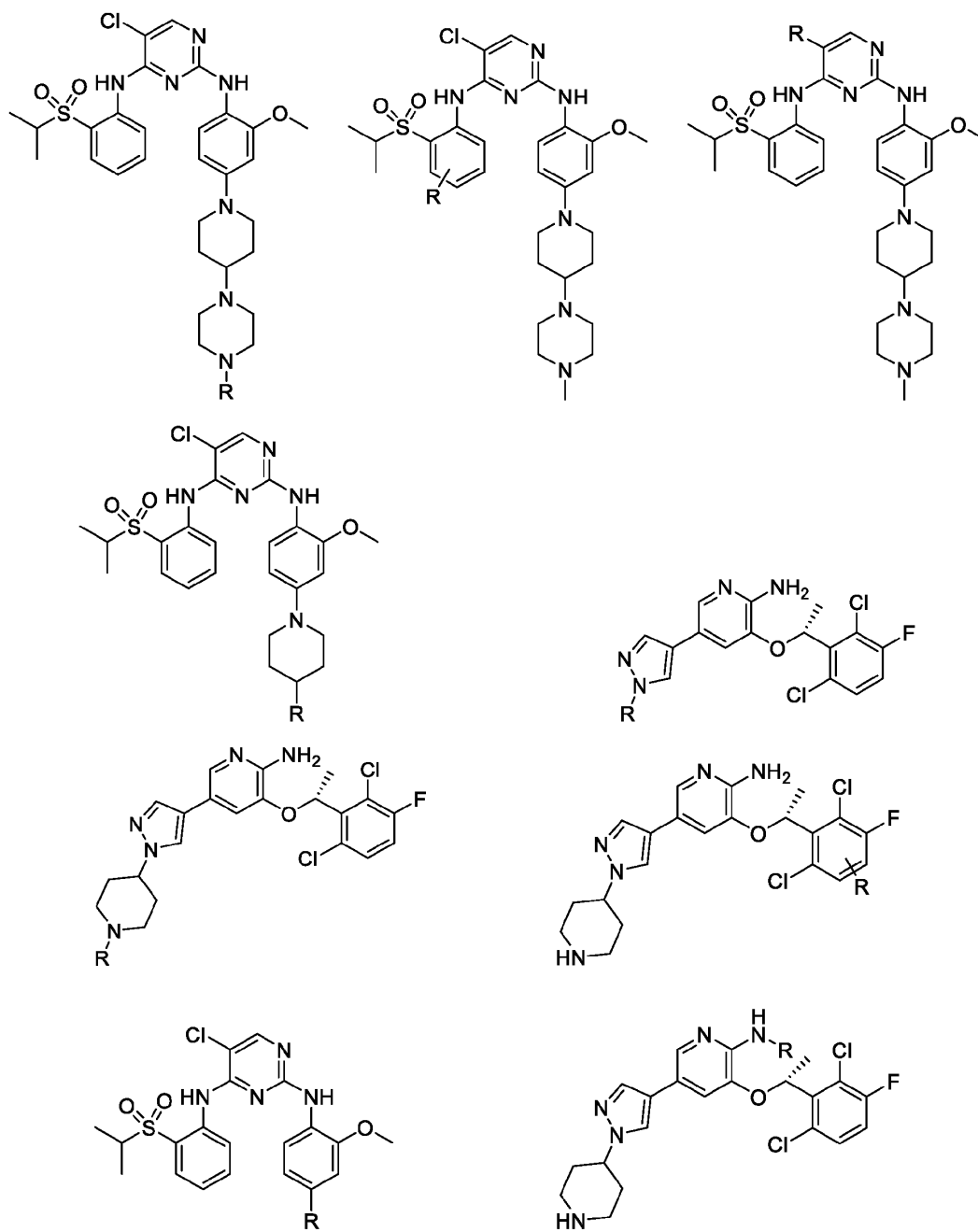


FIG. 1W

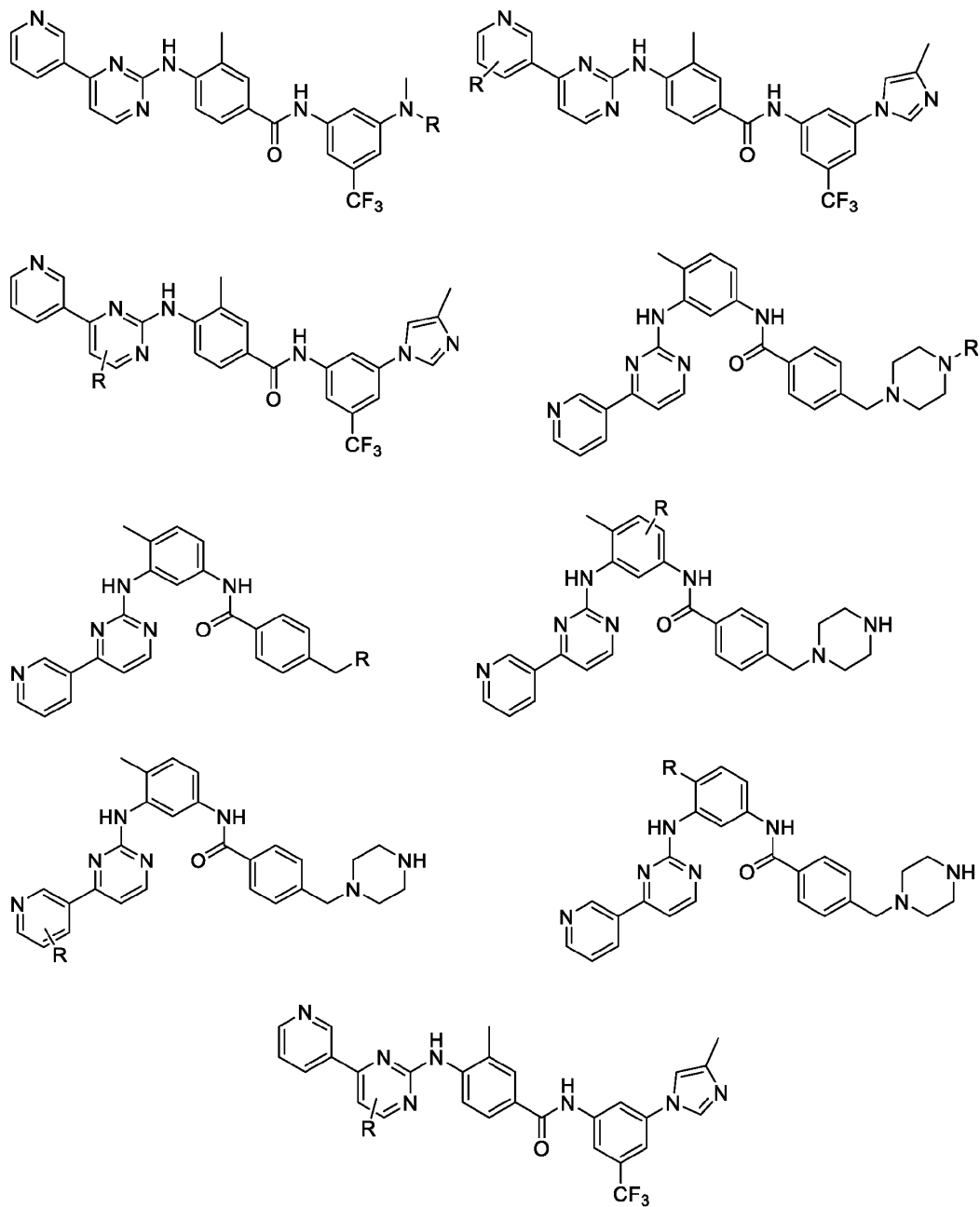


FIG. 1X

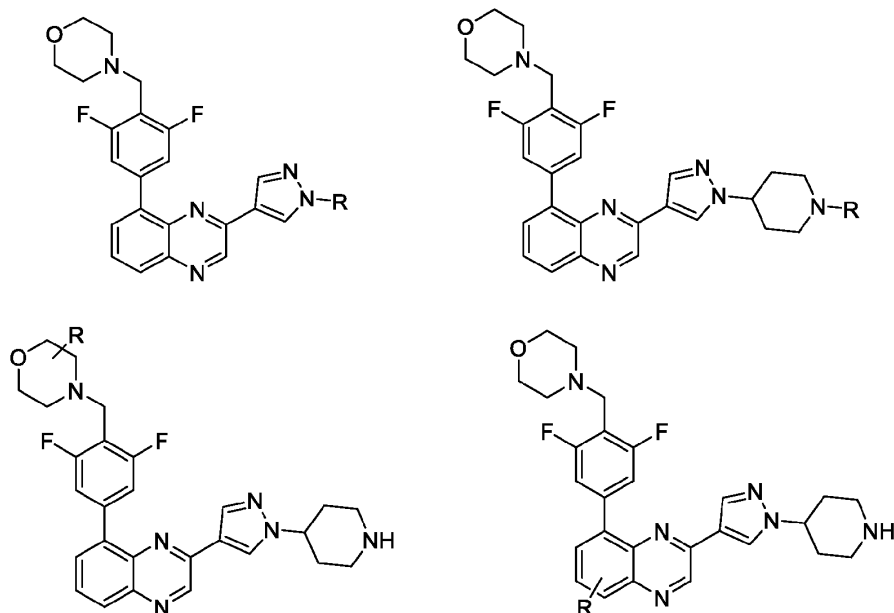


FIG. 1Y

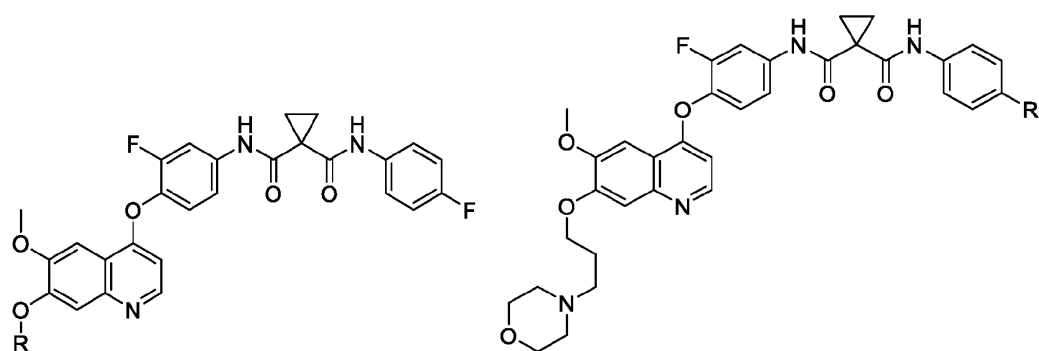


FIG. 1Z

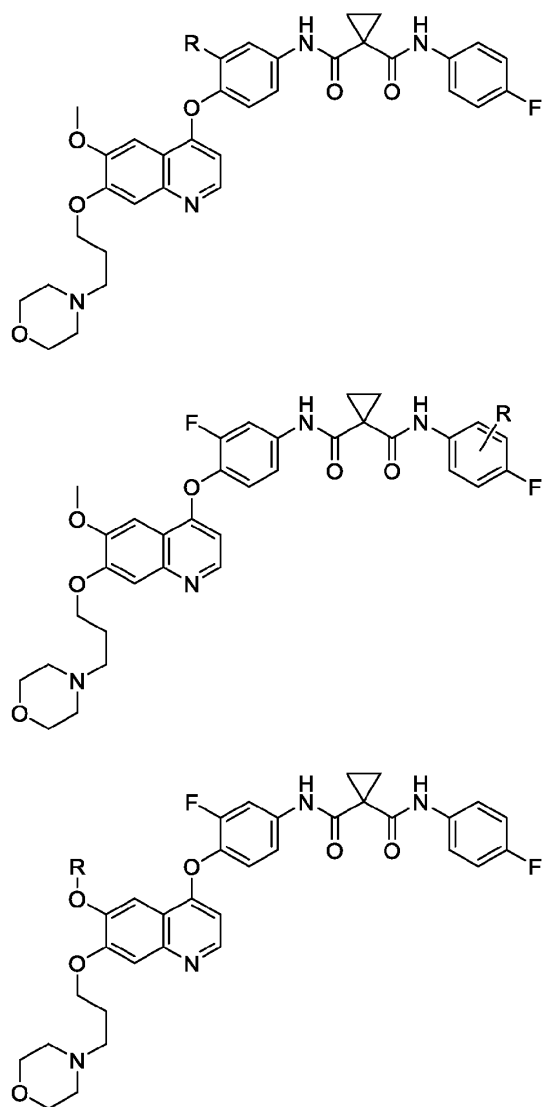


FIG. 1AA

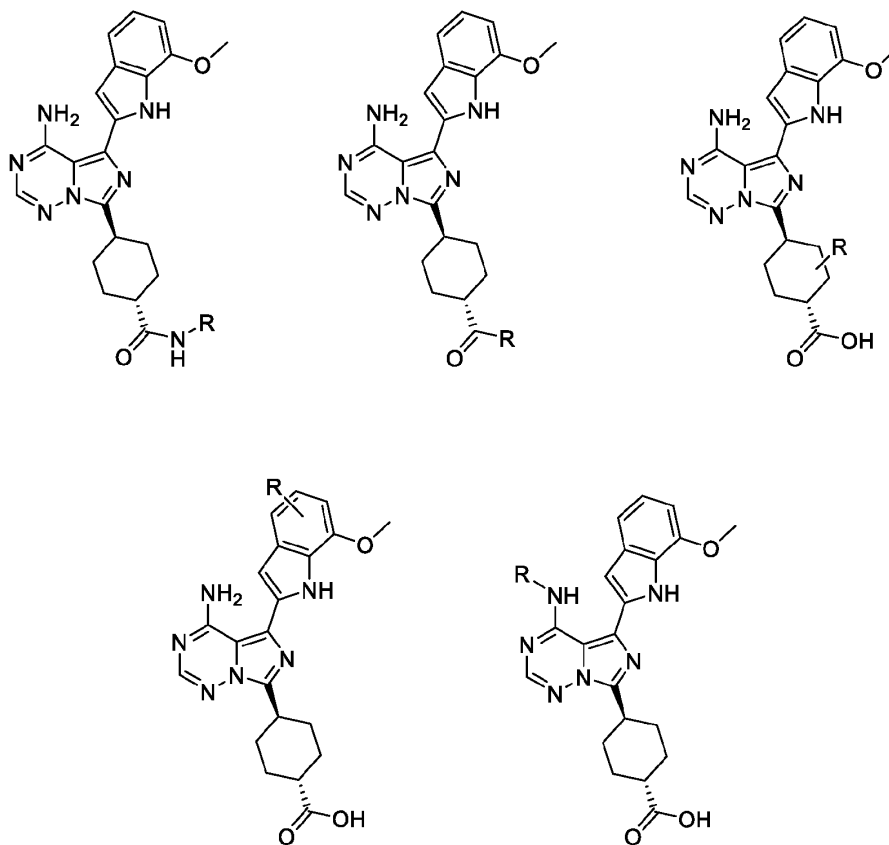


FIG. 1BB

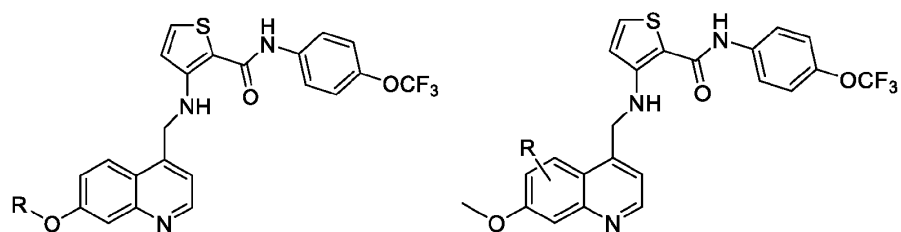


FIG. 1CC

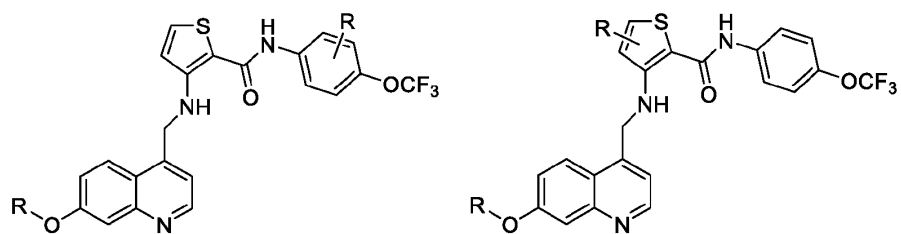


FIG. 1DD

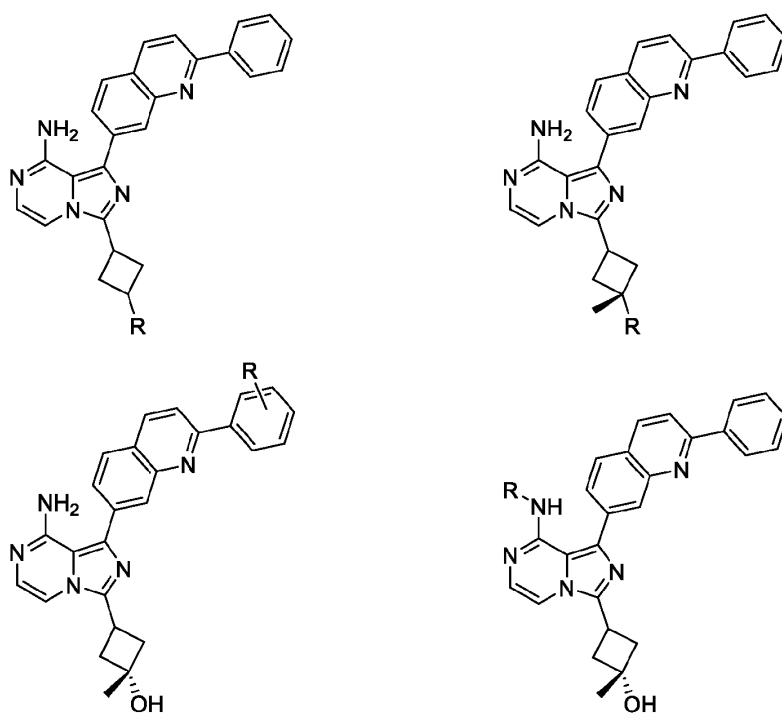


FIG. 1EE

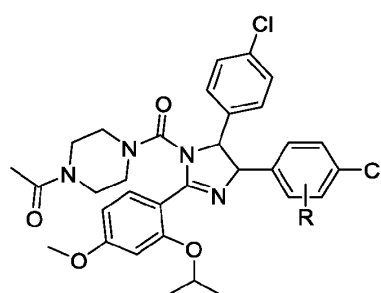
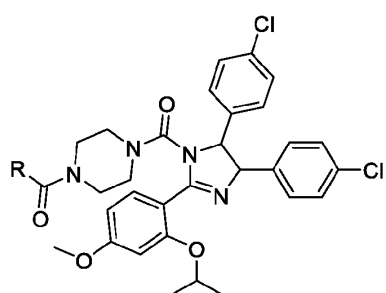
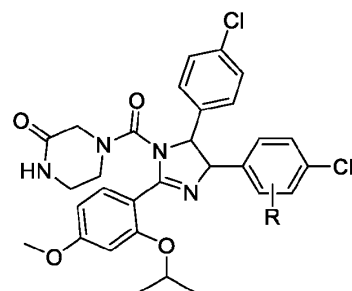
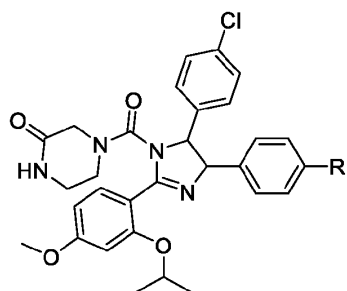
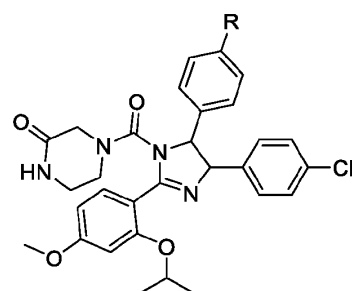
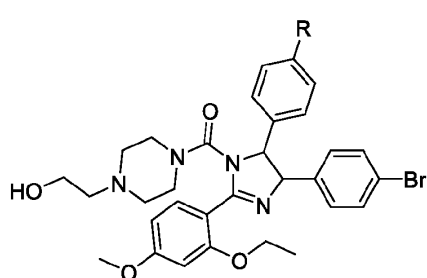
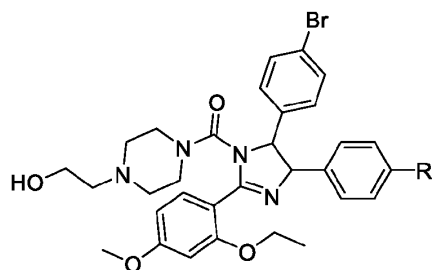
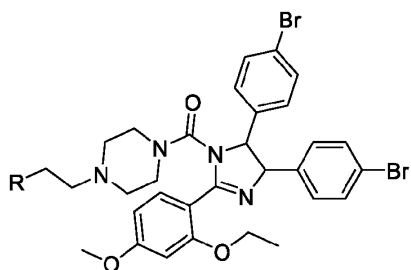


FIG. 1FF

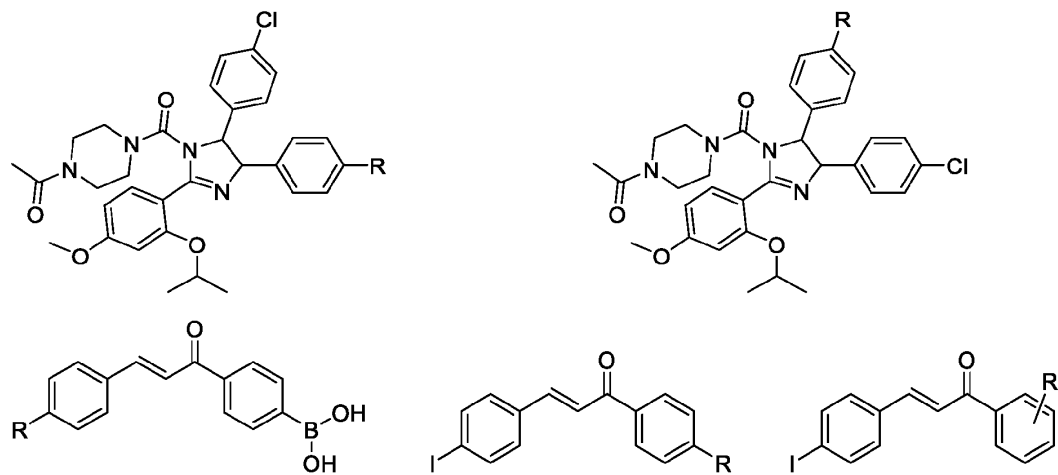


FIG. 1GG

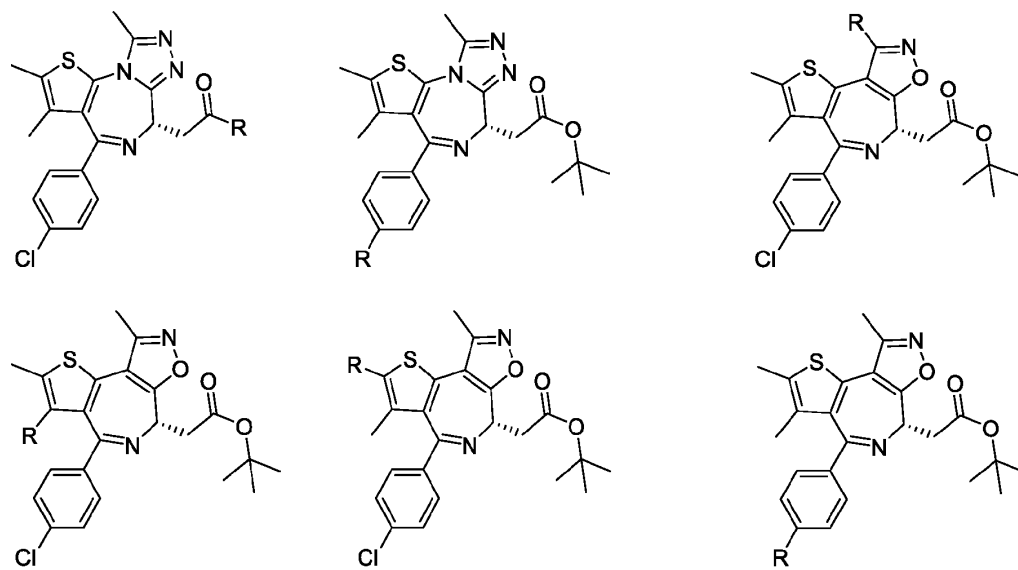




FIG. 1HH

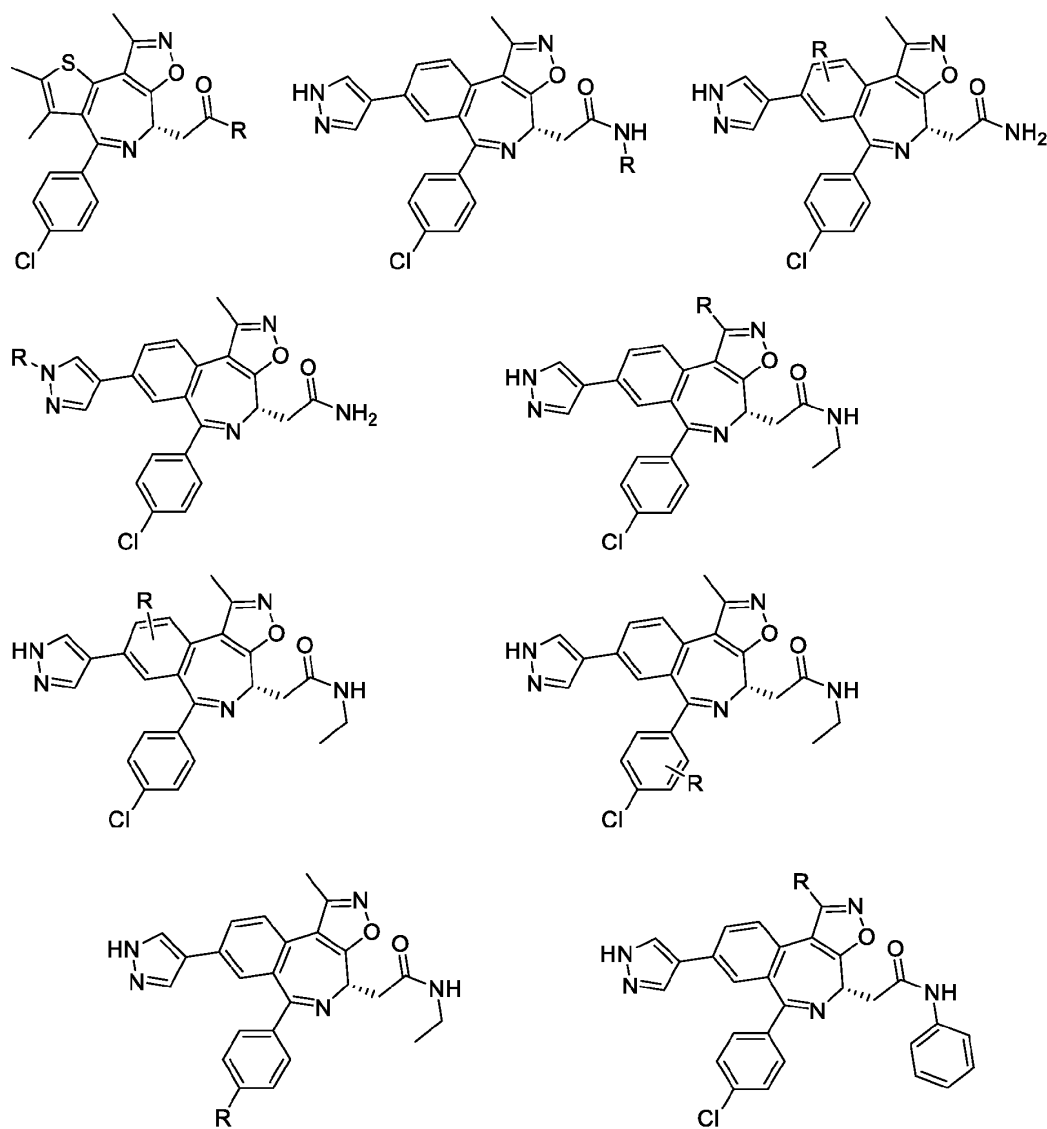


FIG. 1II

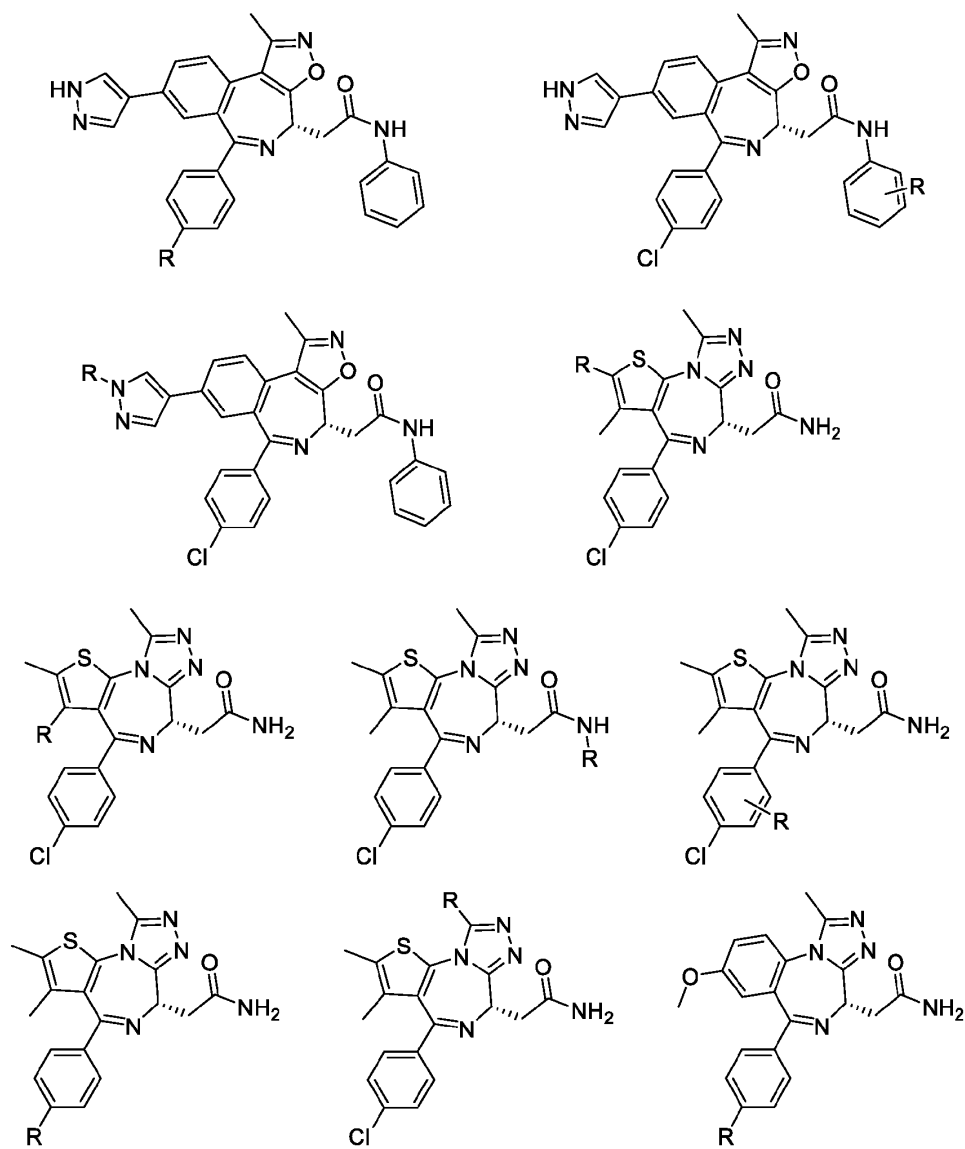


FIG. 1JJ

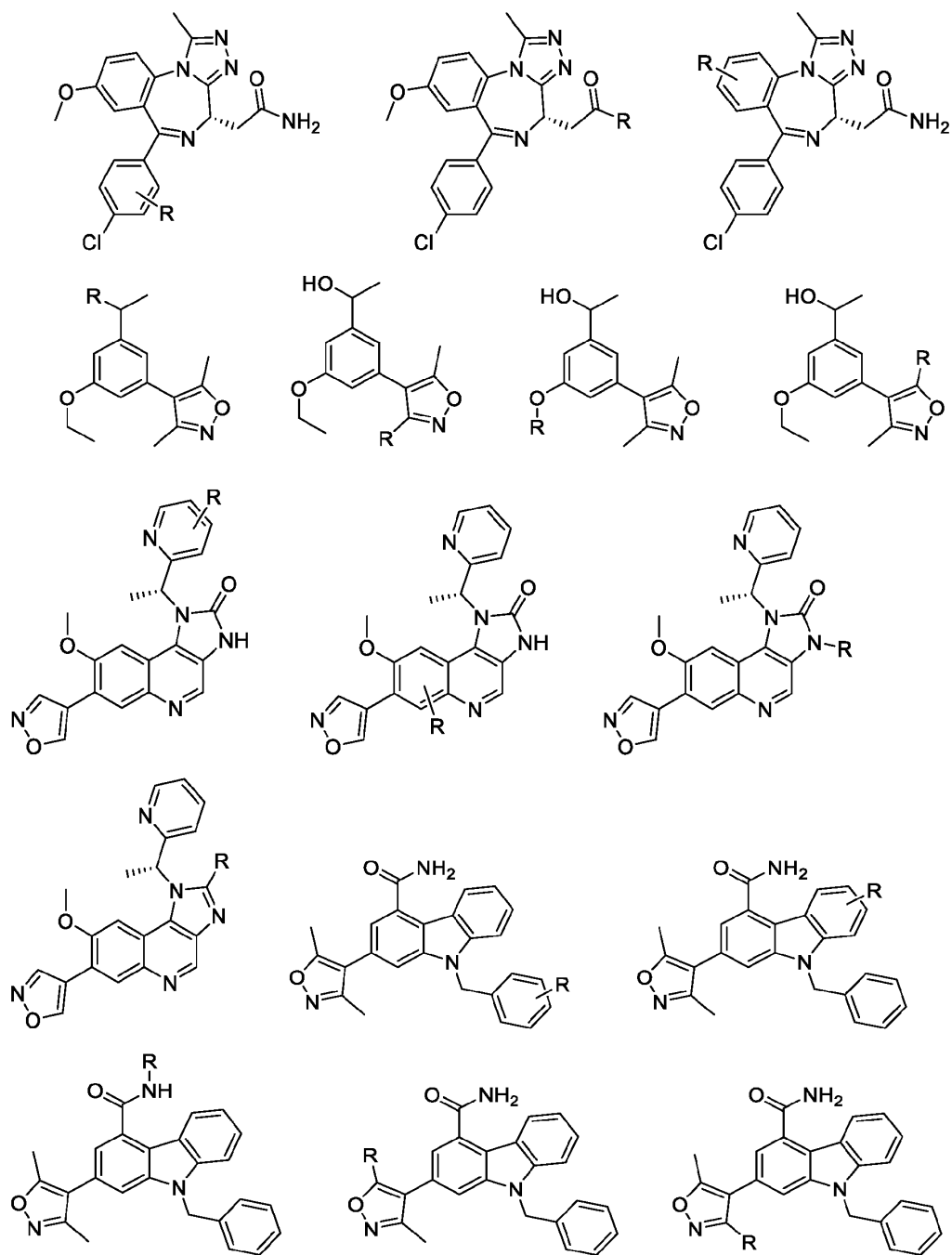


FIG. 1KK

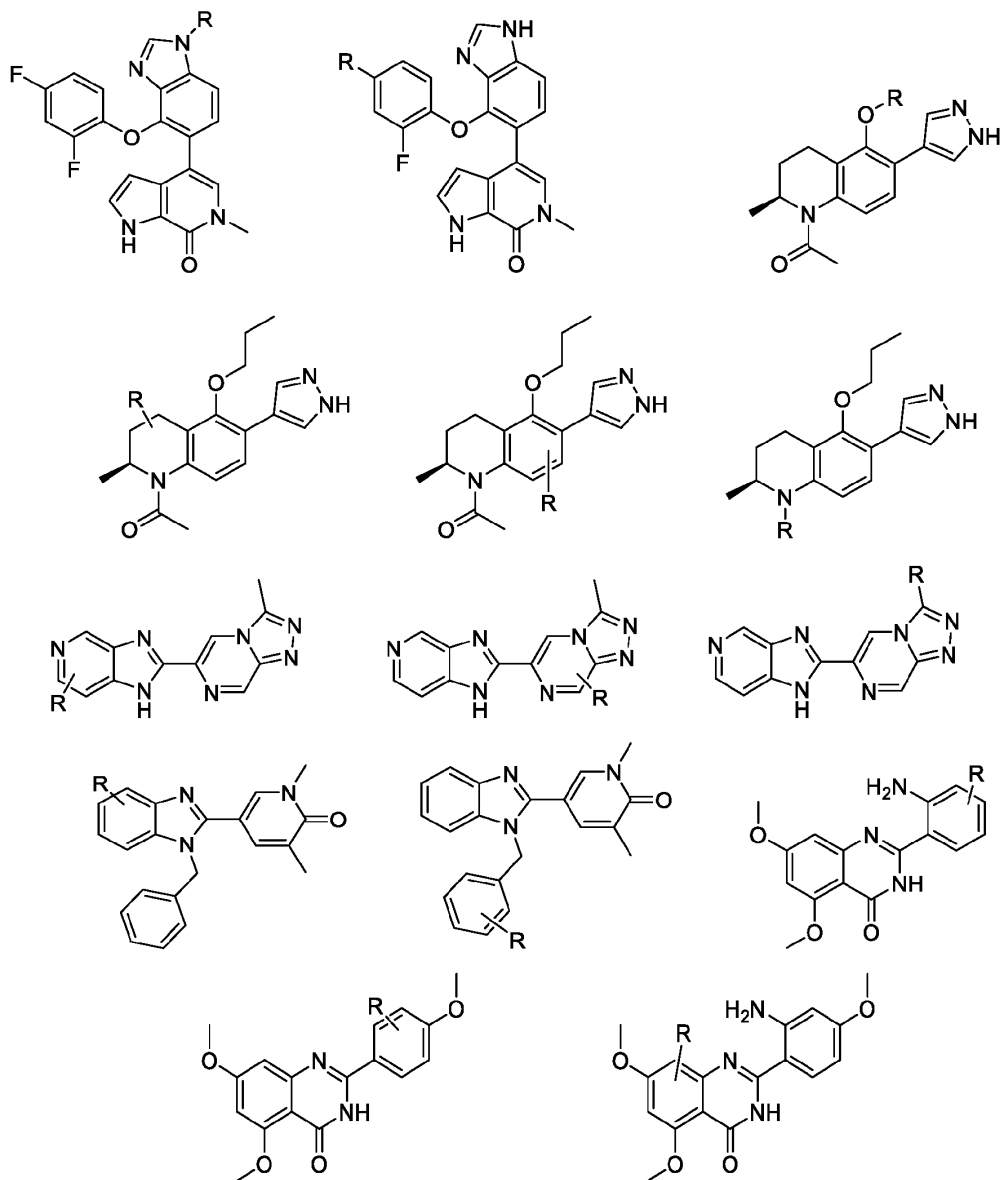


FIG. 1LL

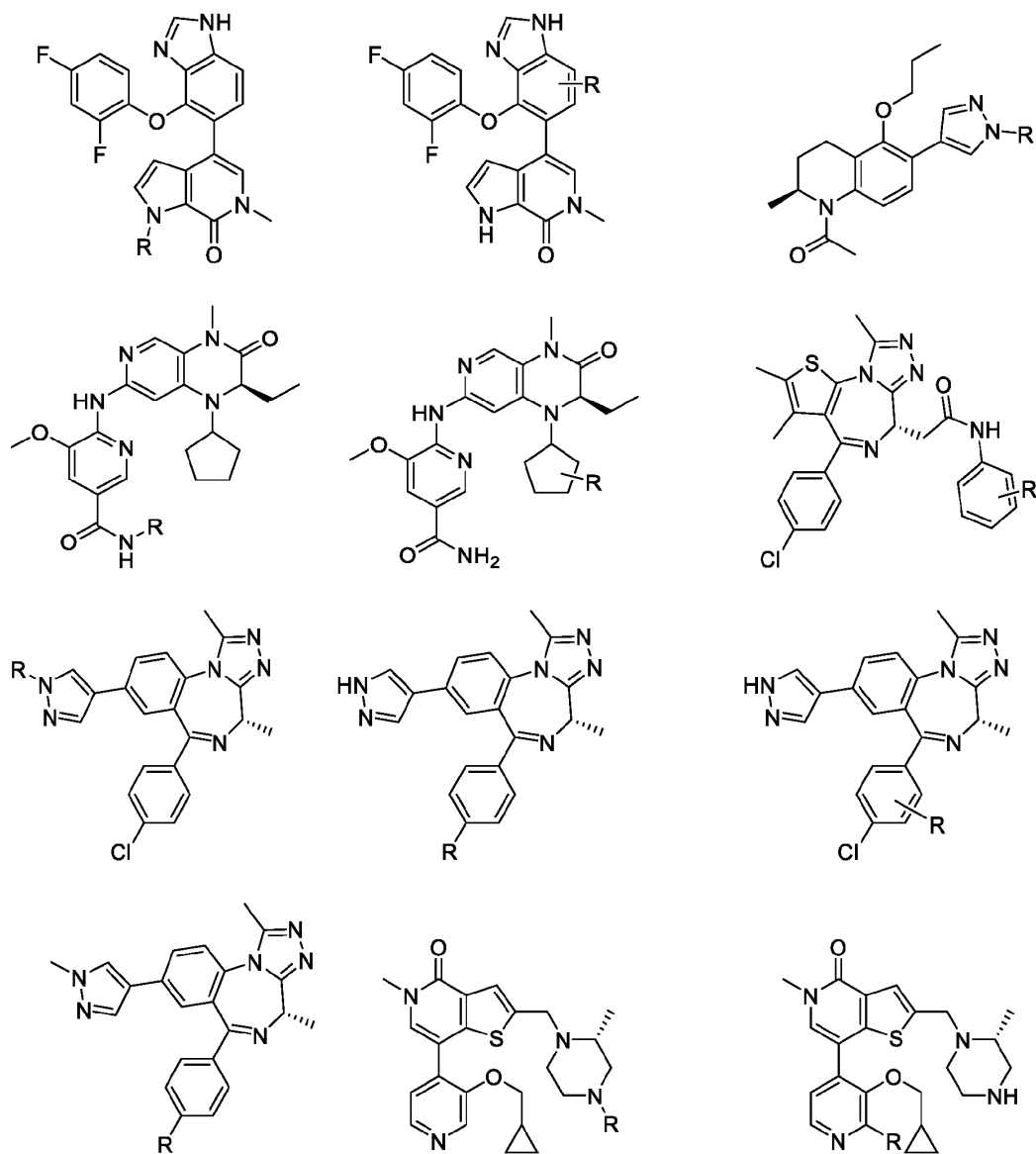


FIG. 1MM

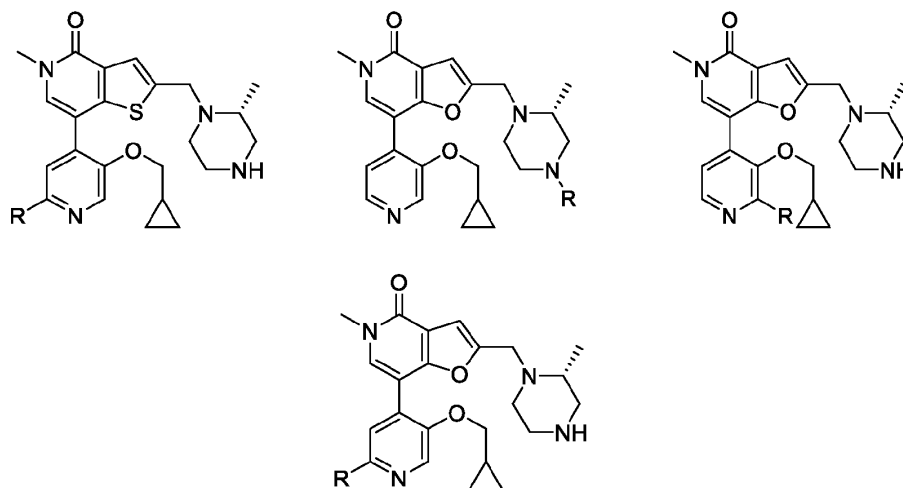


FIG. 1NN

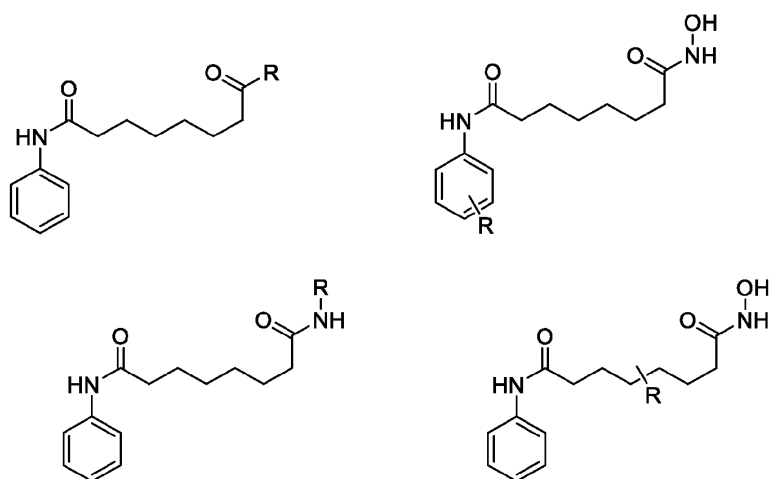


FIG. 100

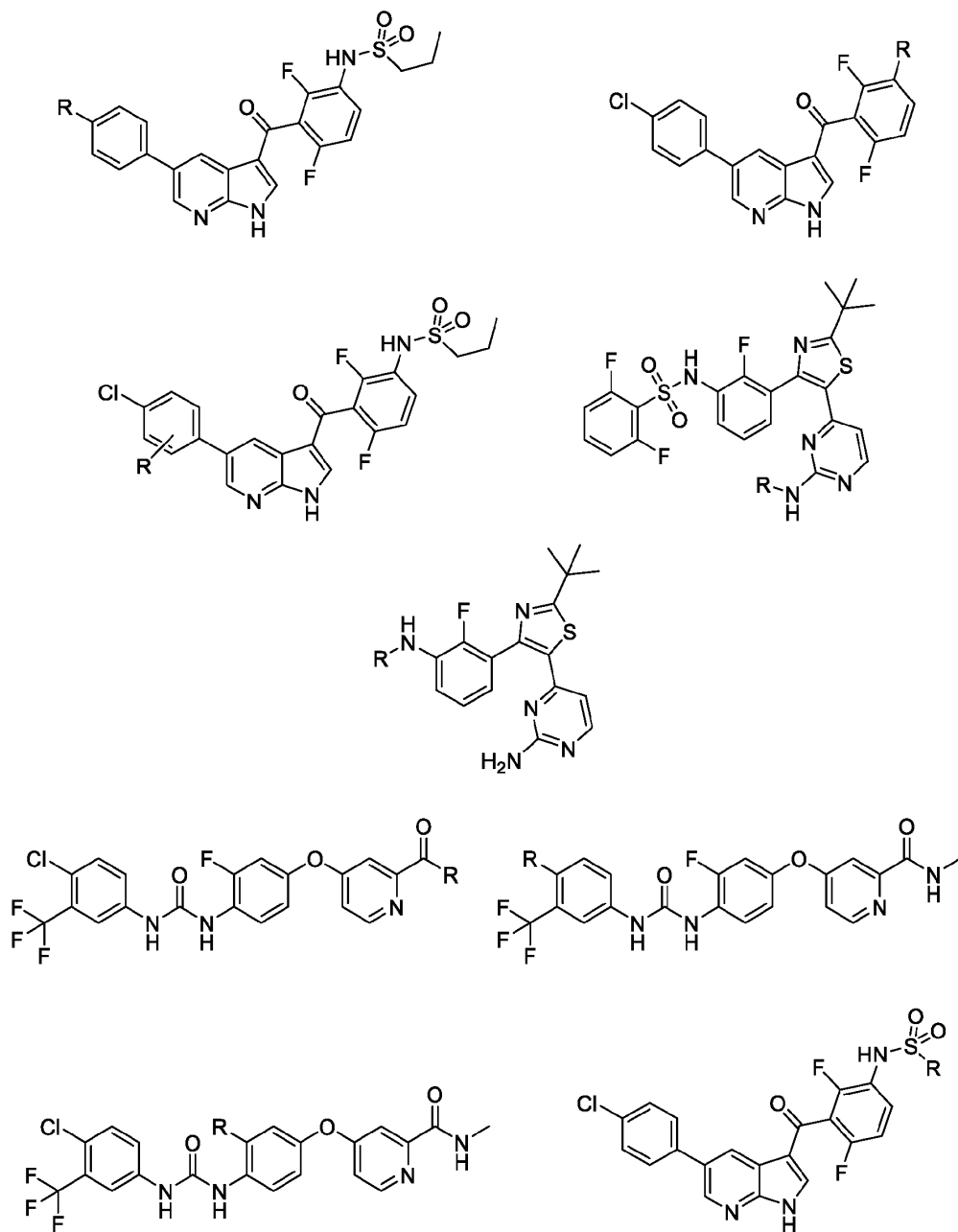


FIG. 1PP

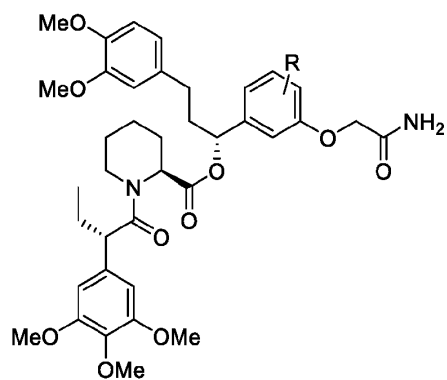
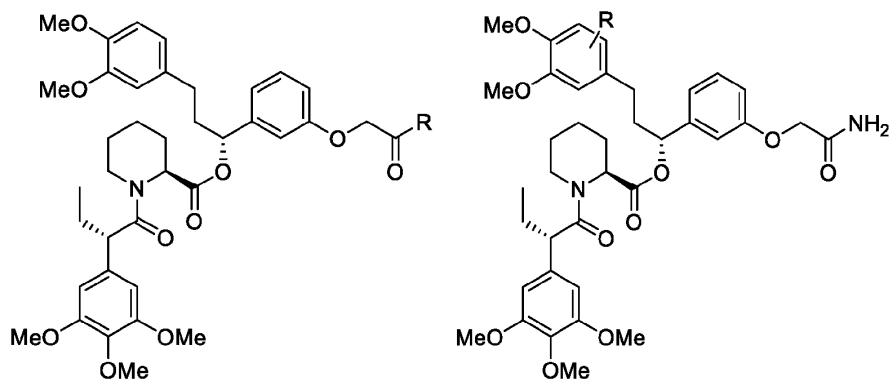


FIG. 1QQ

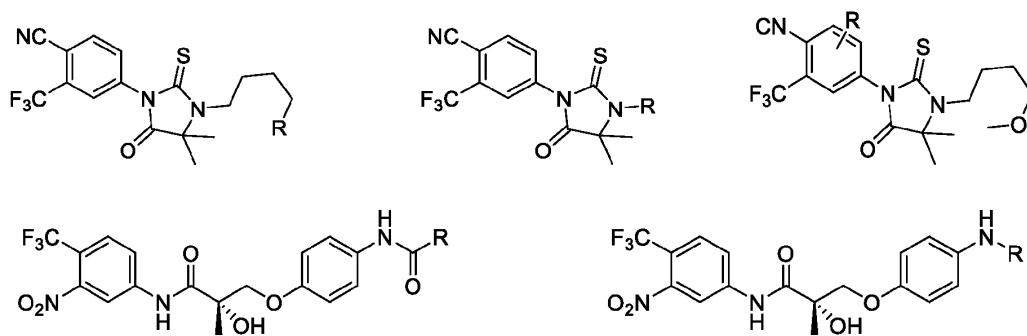




FIG. 1RR

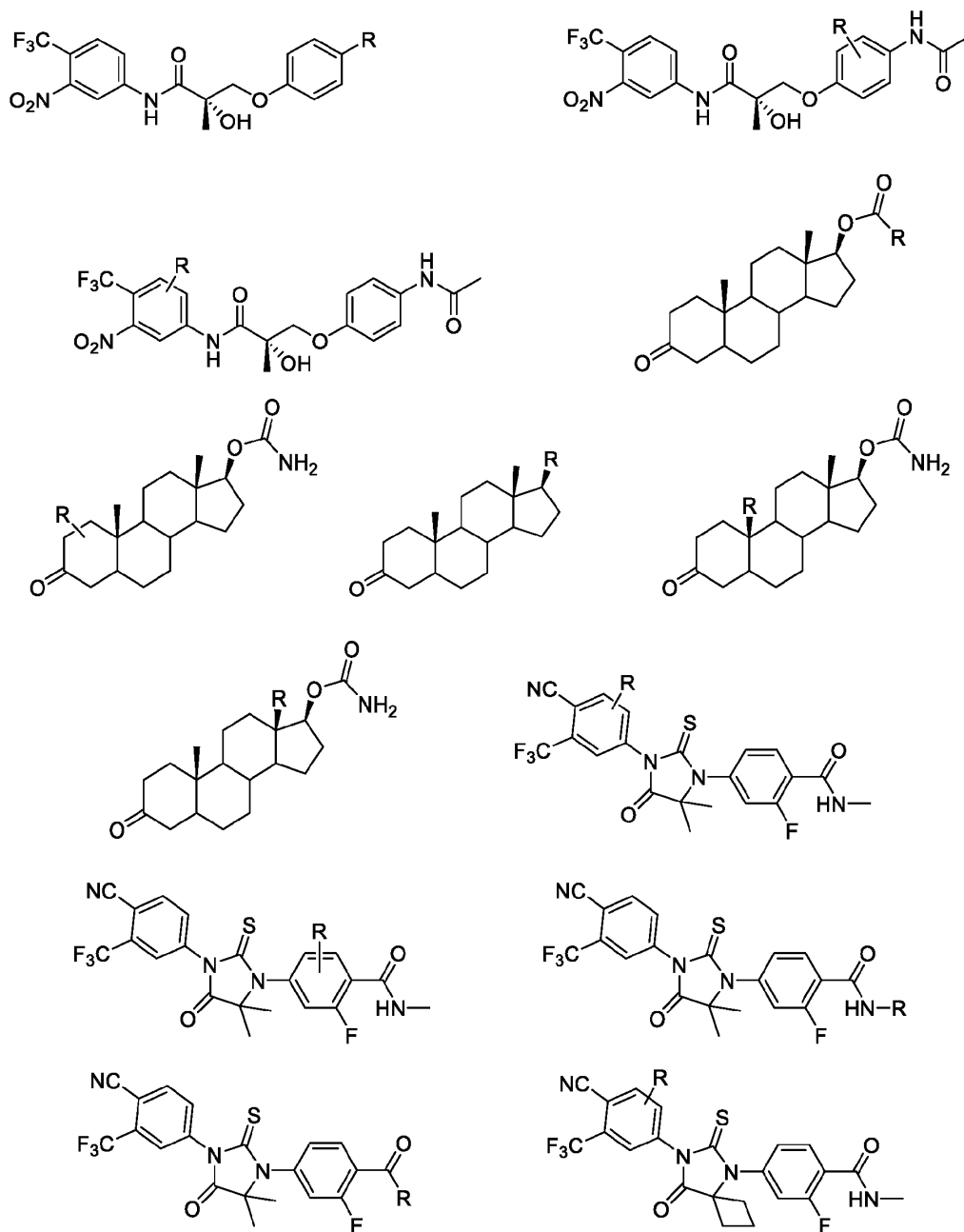


FIG. 1SS

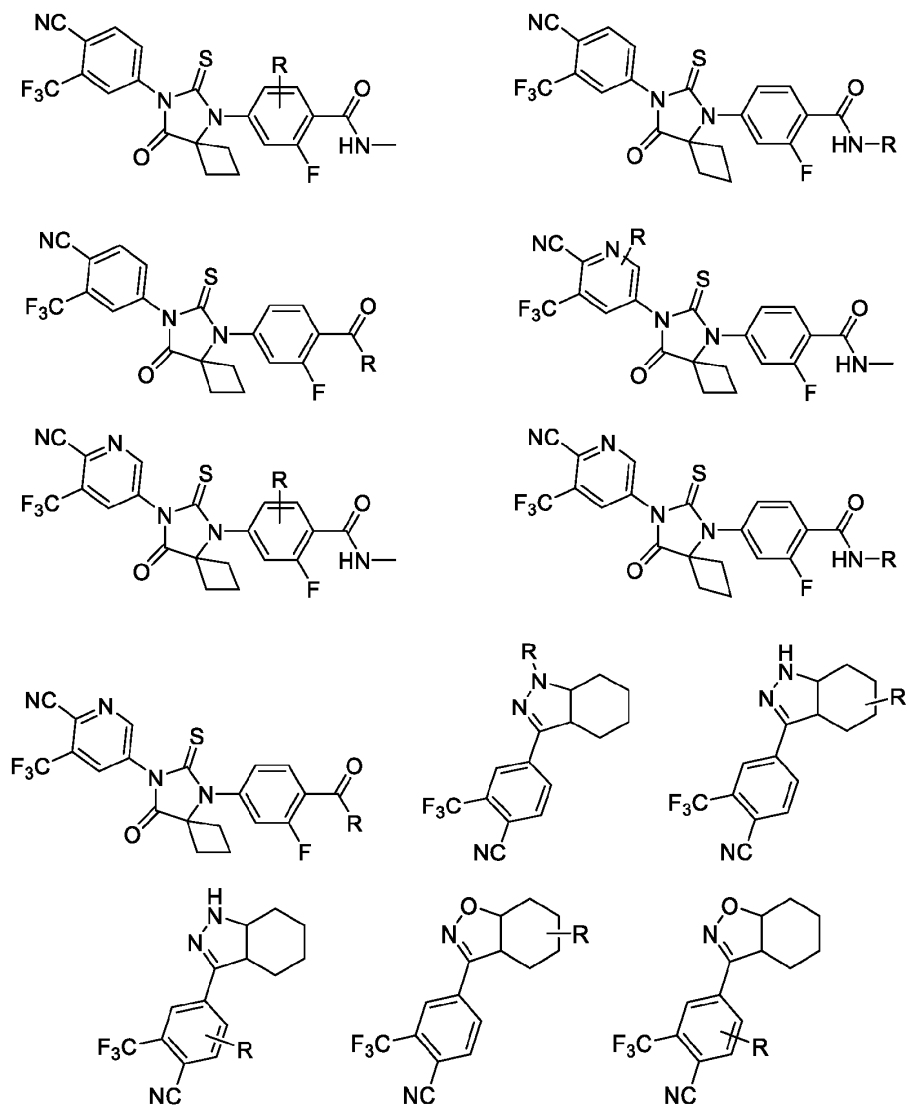


FIG. 1TT

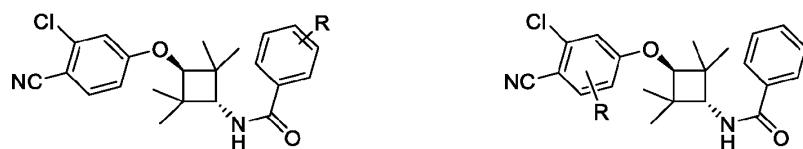


FIG. 1UU

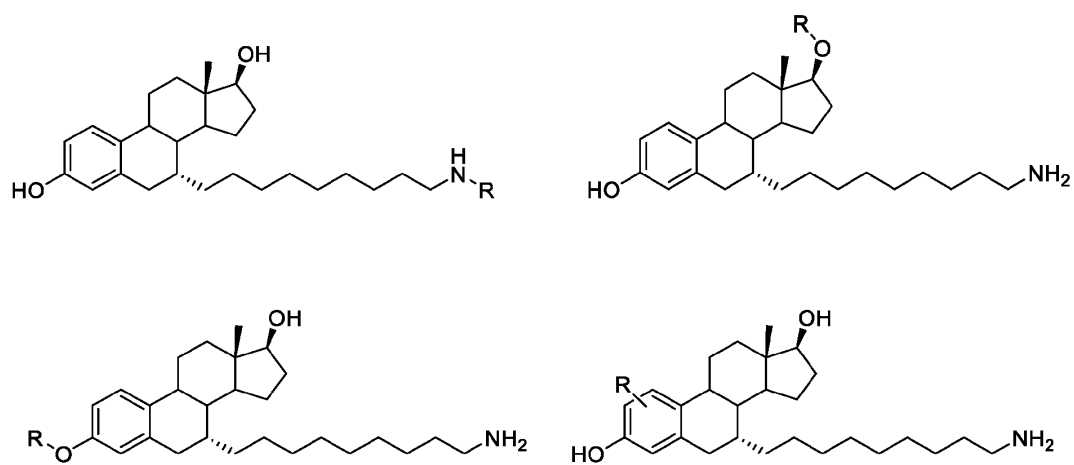


FIG. 1VV

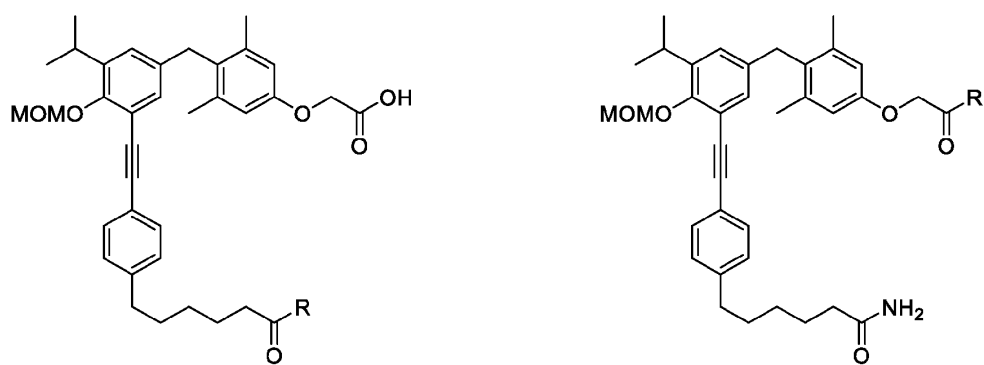


FIG. 1WW

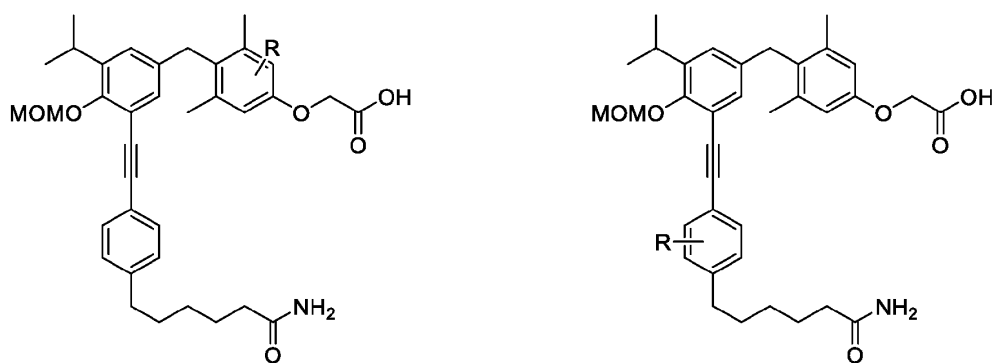


FIG. 1XX

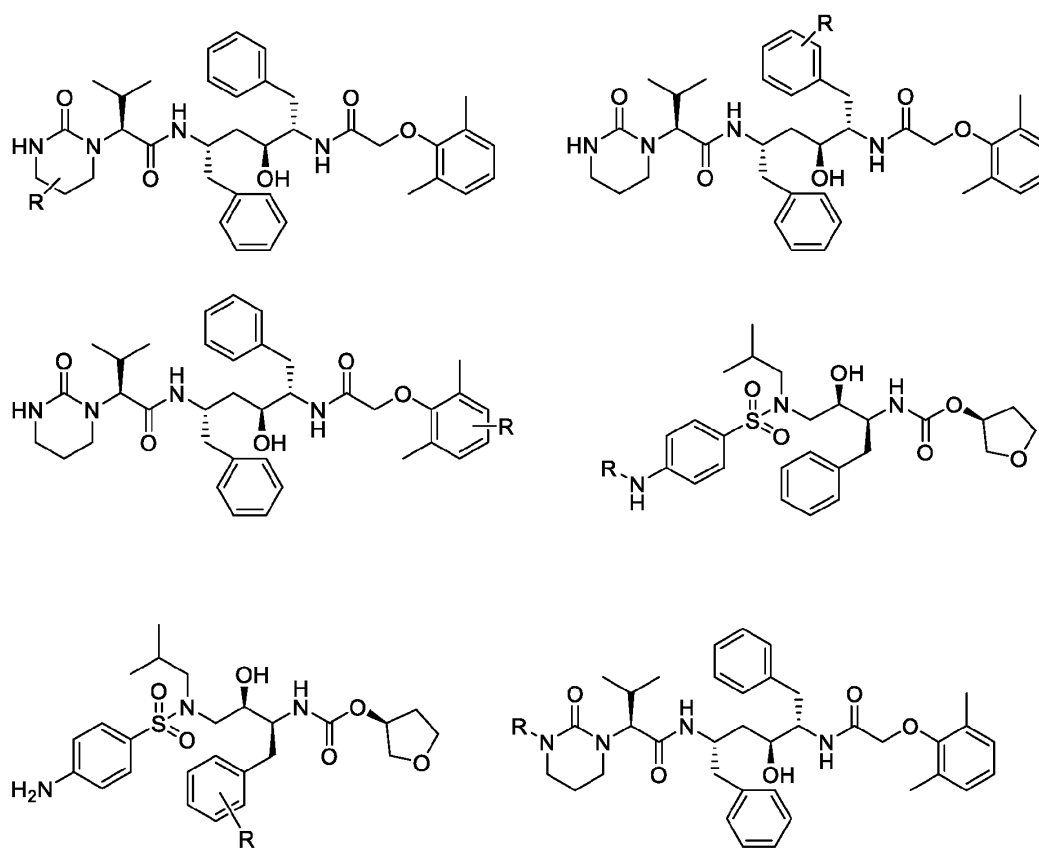


FIG. 1YY

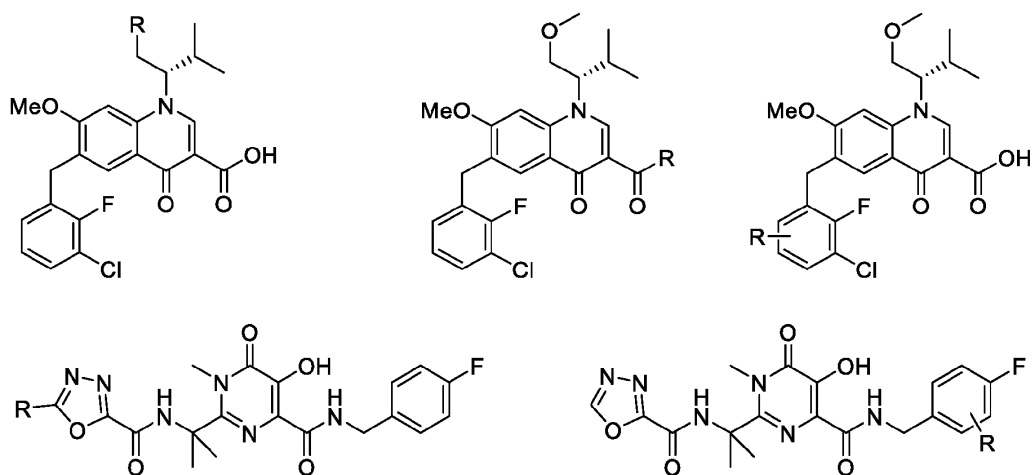


FIG. 1ZZ

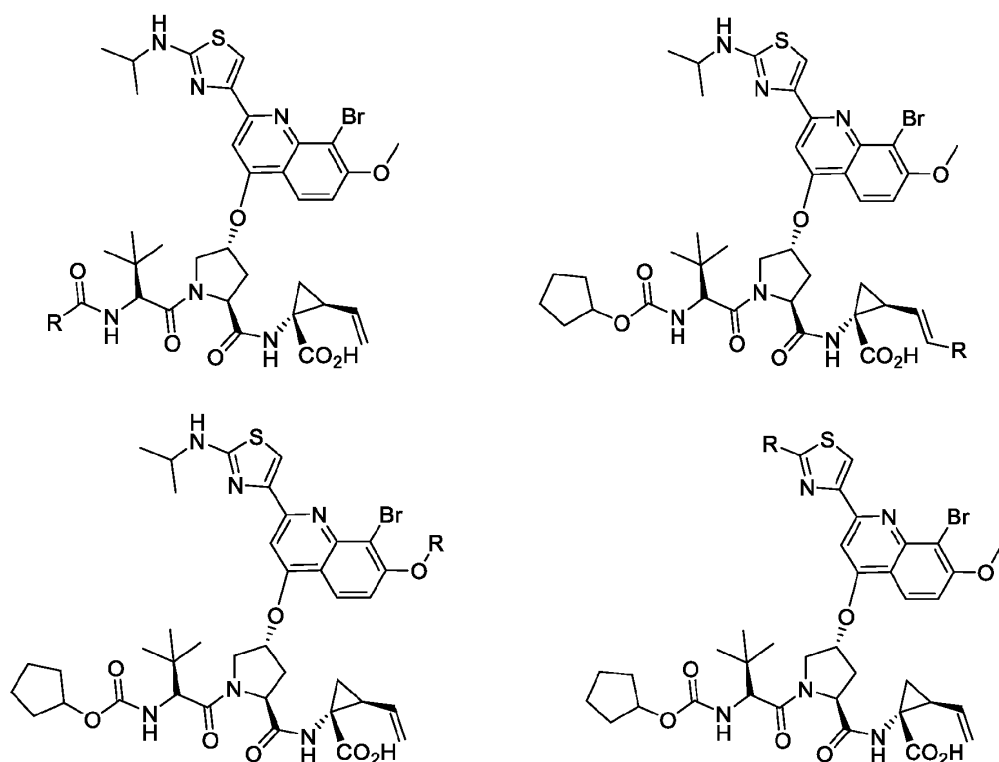


FIG. 1AAA

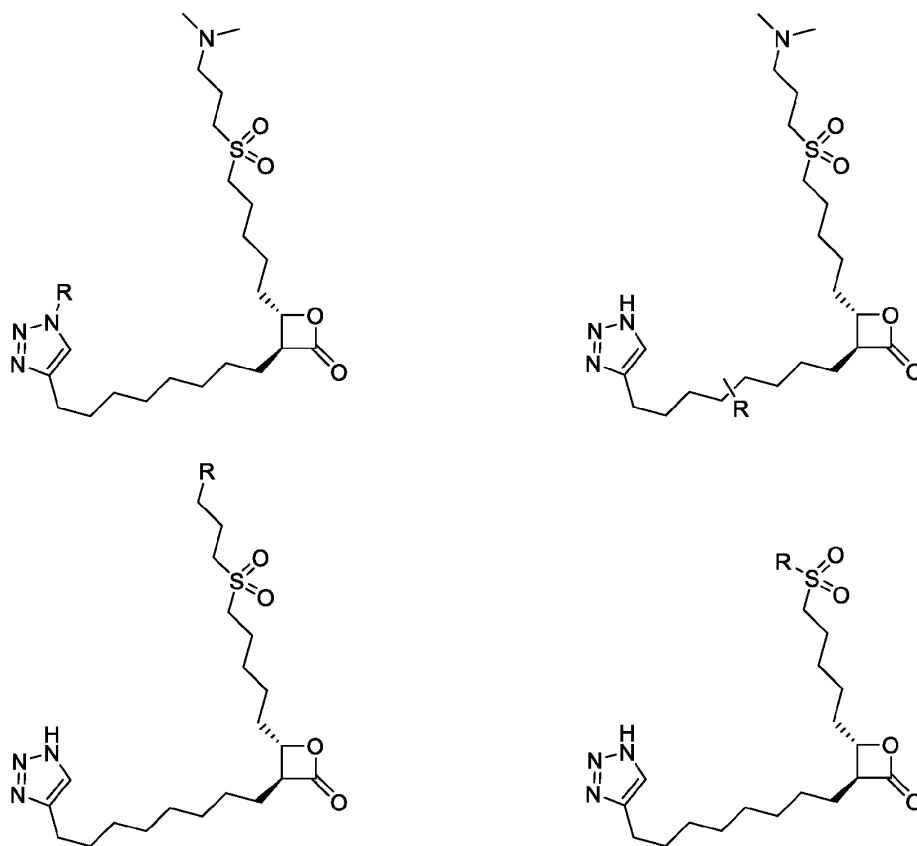
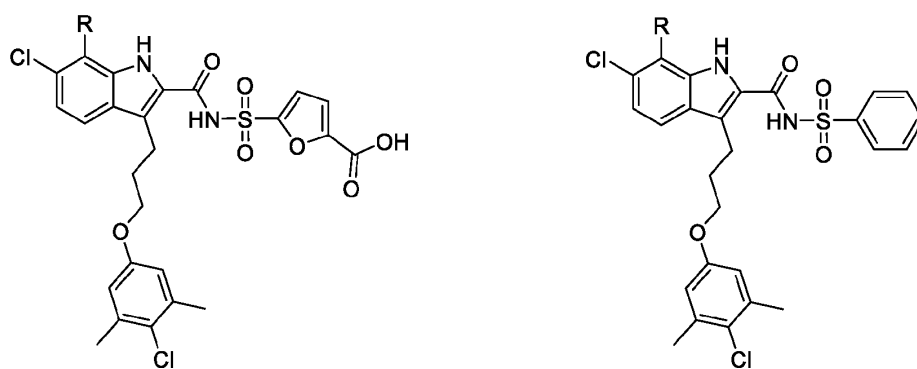


FIG. 1BBB



Chemical structures of compounds 1 and 2 are shown. Both structures feature a central indole ring substituted with a 4-chlorophenyl group at position 5, a 2-(2-chloro-5-methylphenyl)ethyl group at position 3, and a 2-(2-chloro-5-methoxyphenyl)ethyl group at position 2. The indole nitrogen is substituted with a 4-chlorophenyl group.

FIG. 1FFF

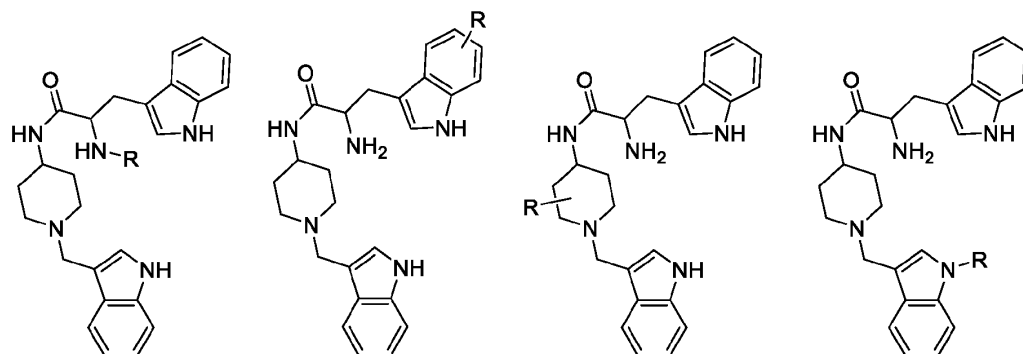


FIG. 1GGG

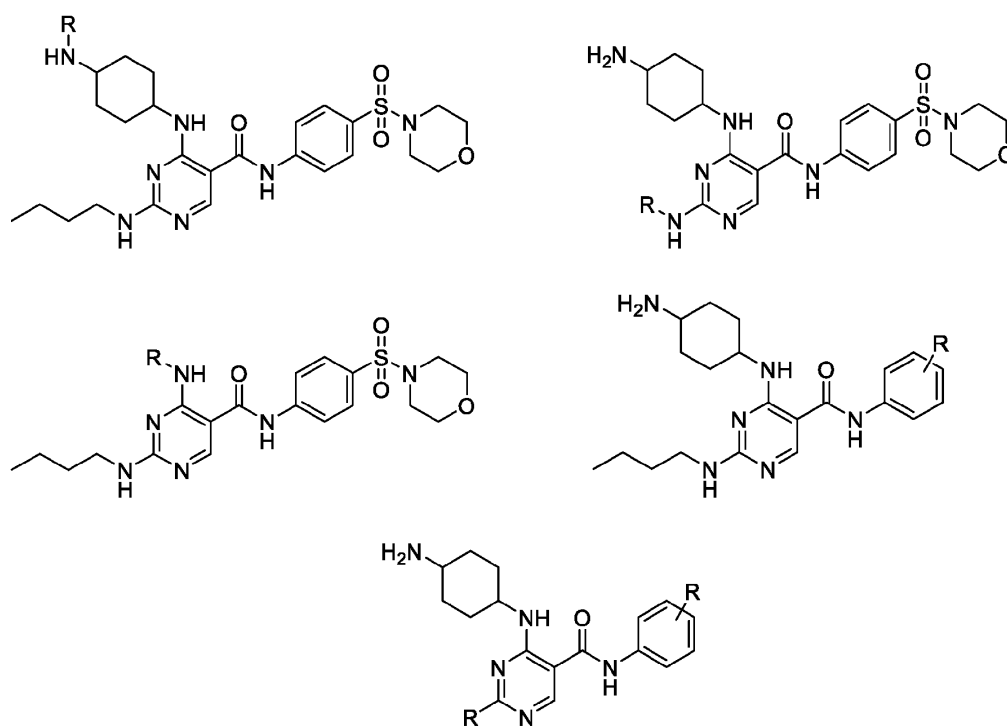




FIG. 1HHH

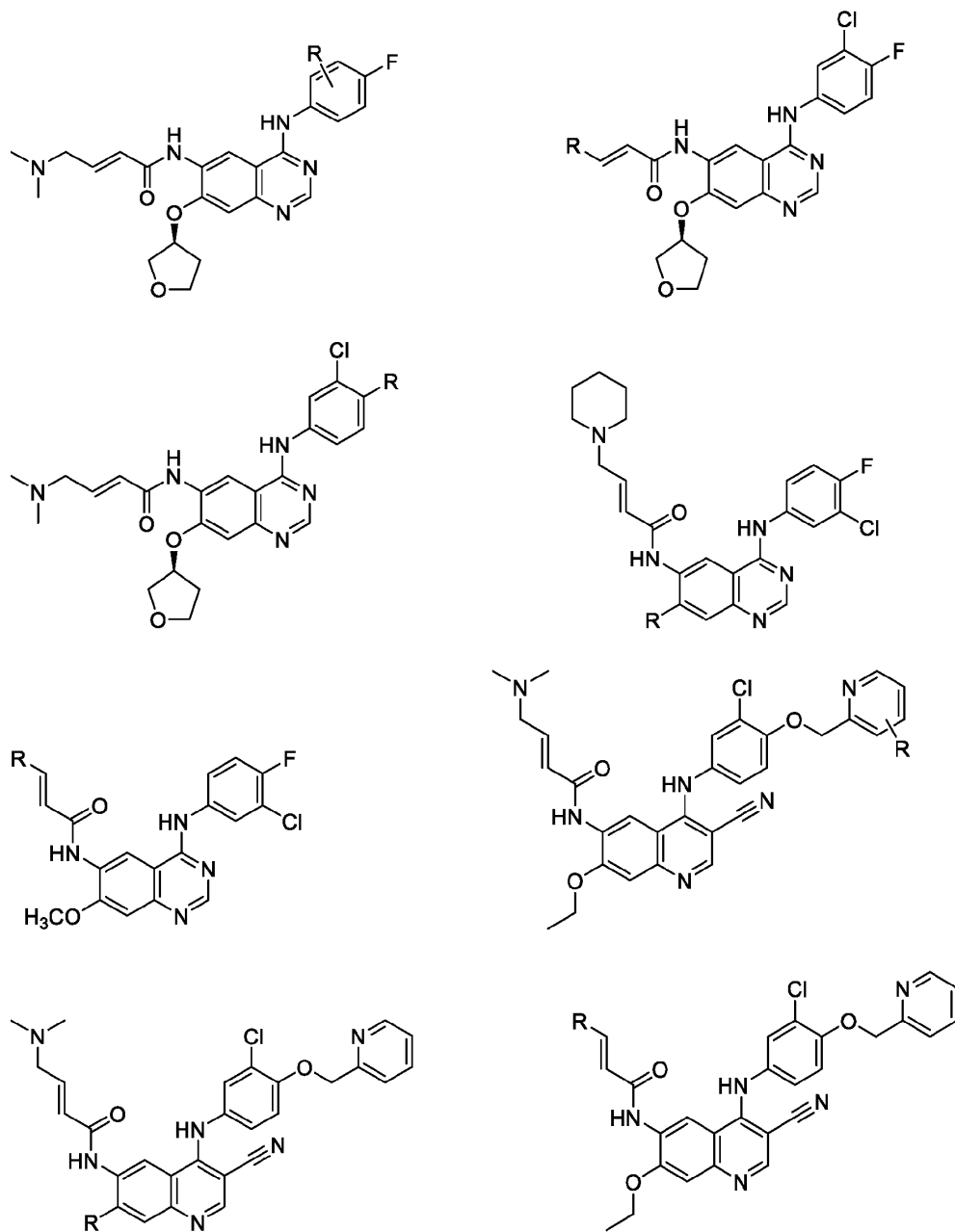


FIG. 1III

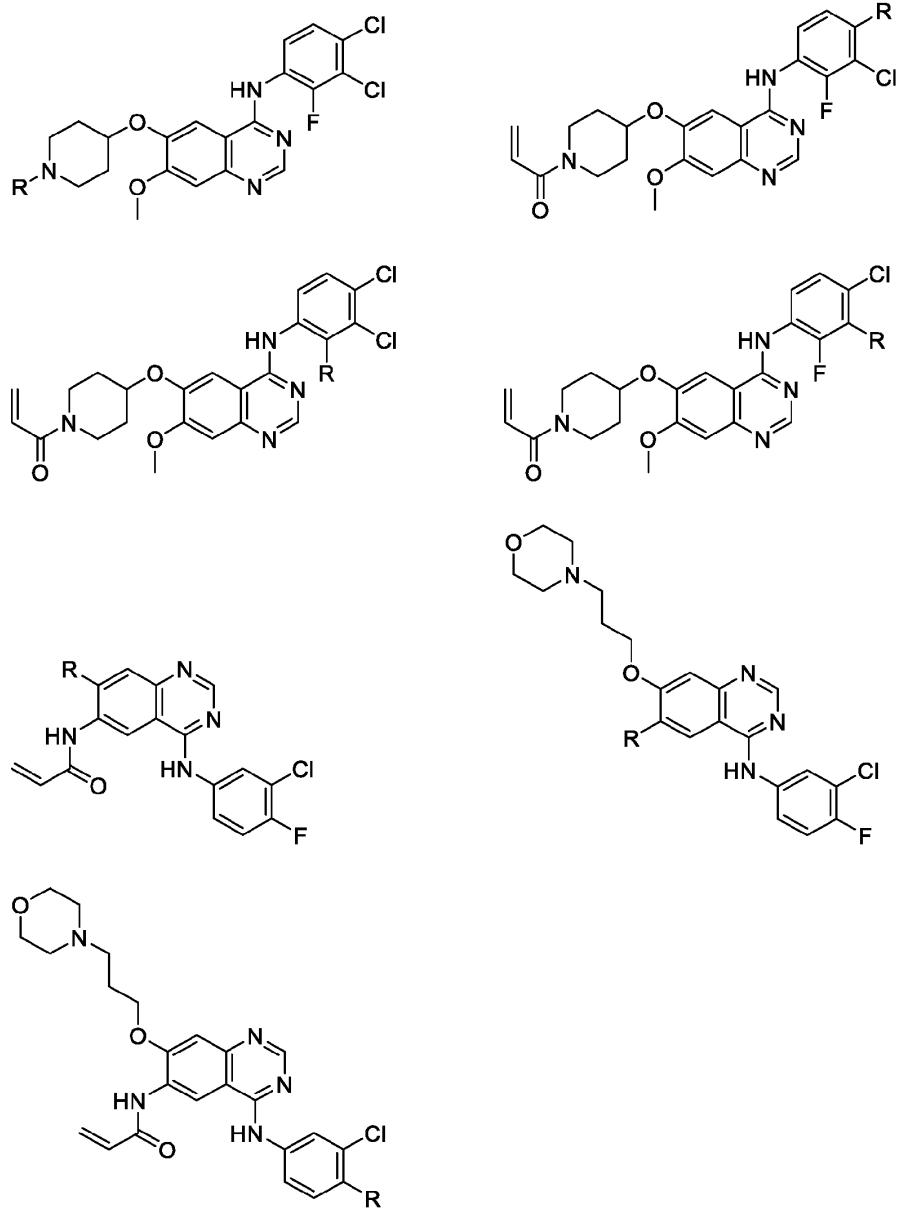


FIG. 1JJJ

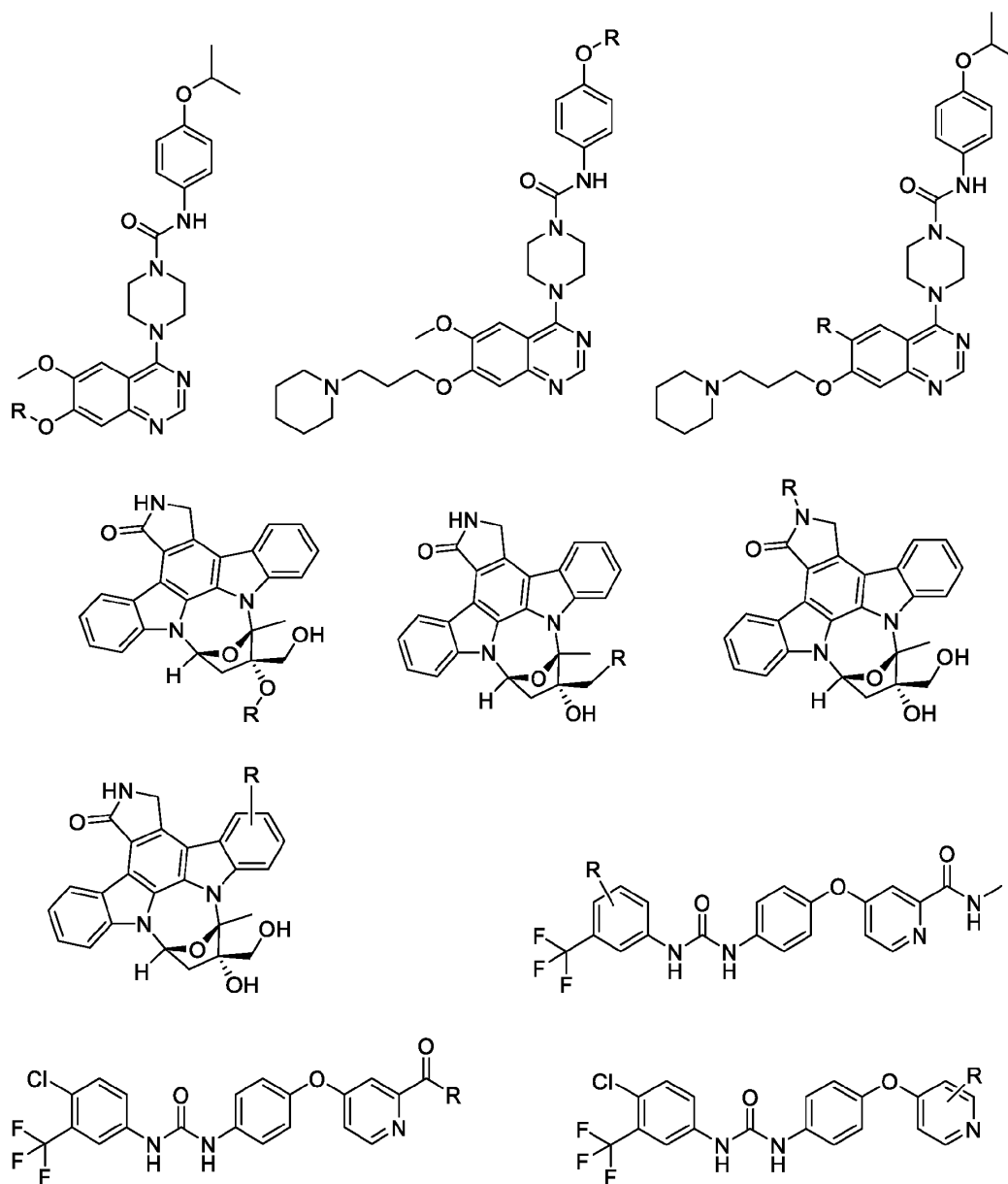


FIG. 1KKK

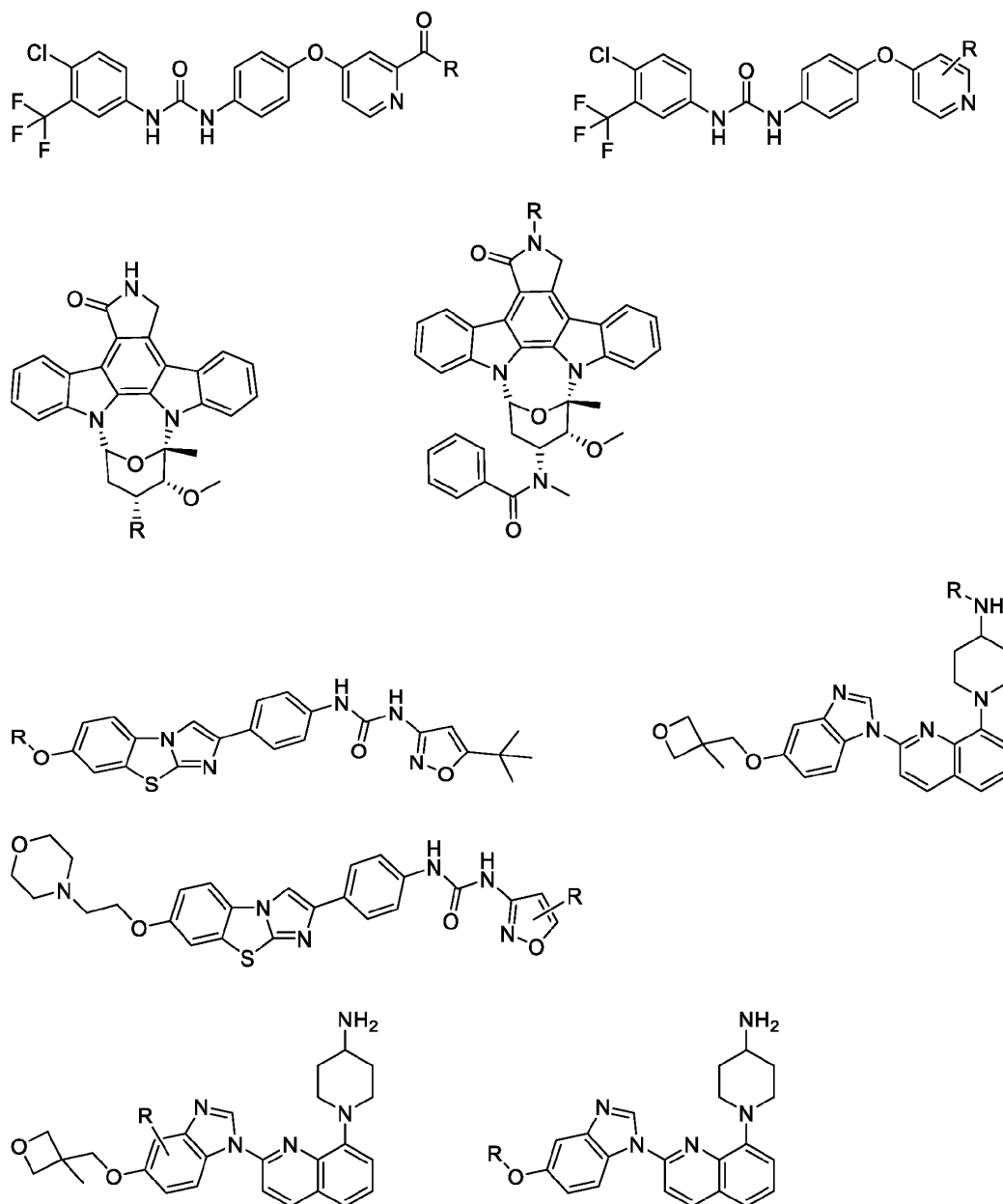


FIG. 1LLL

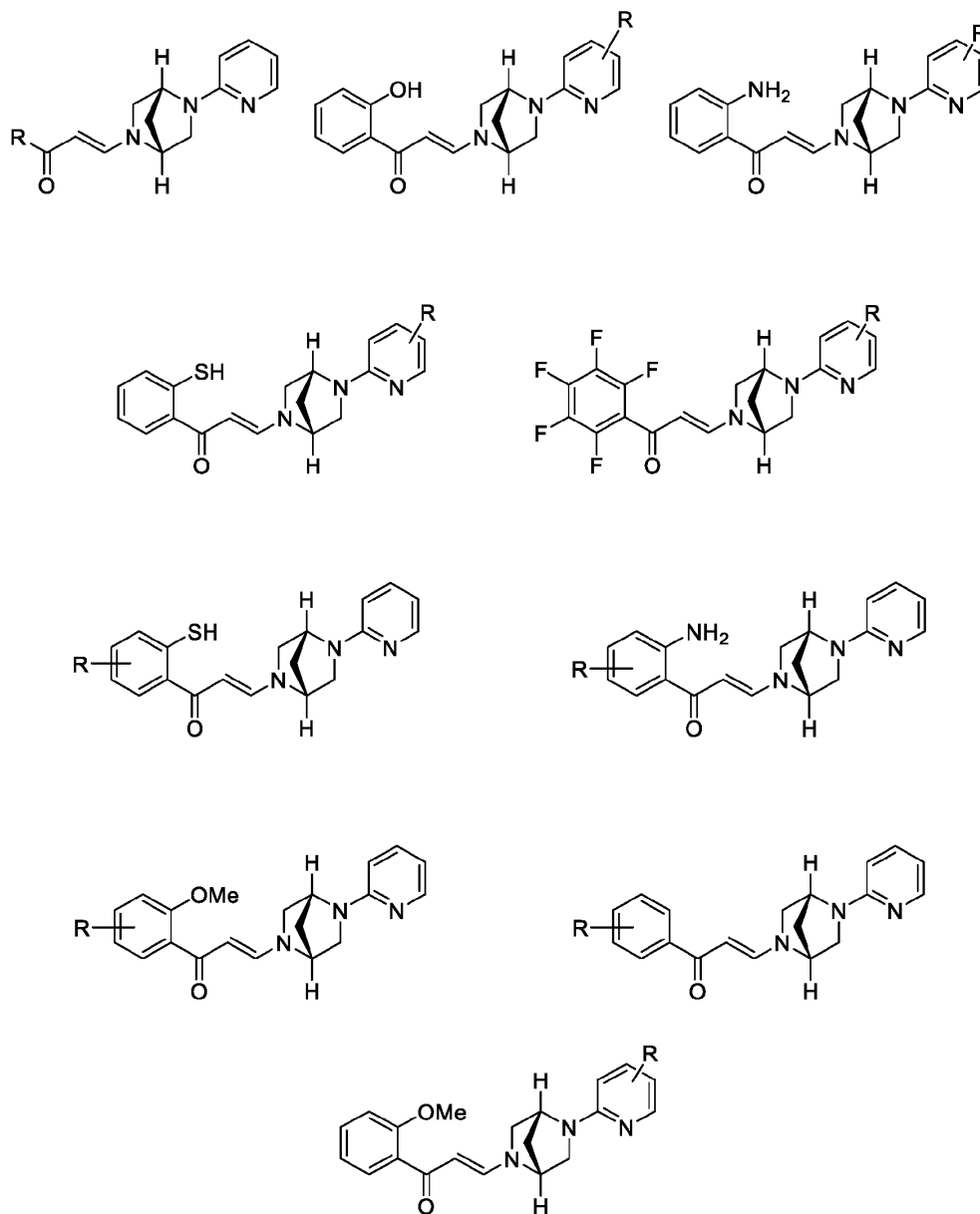


FIG. 2A

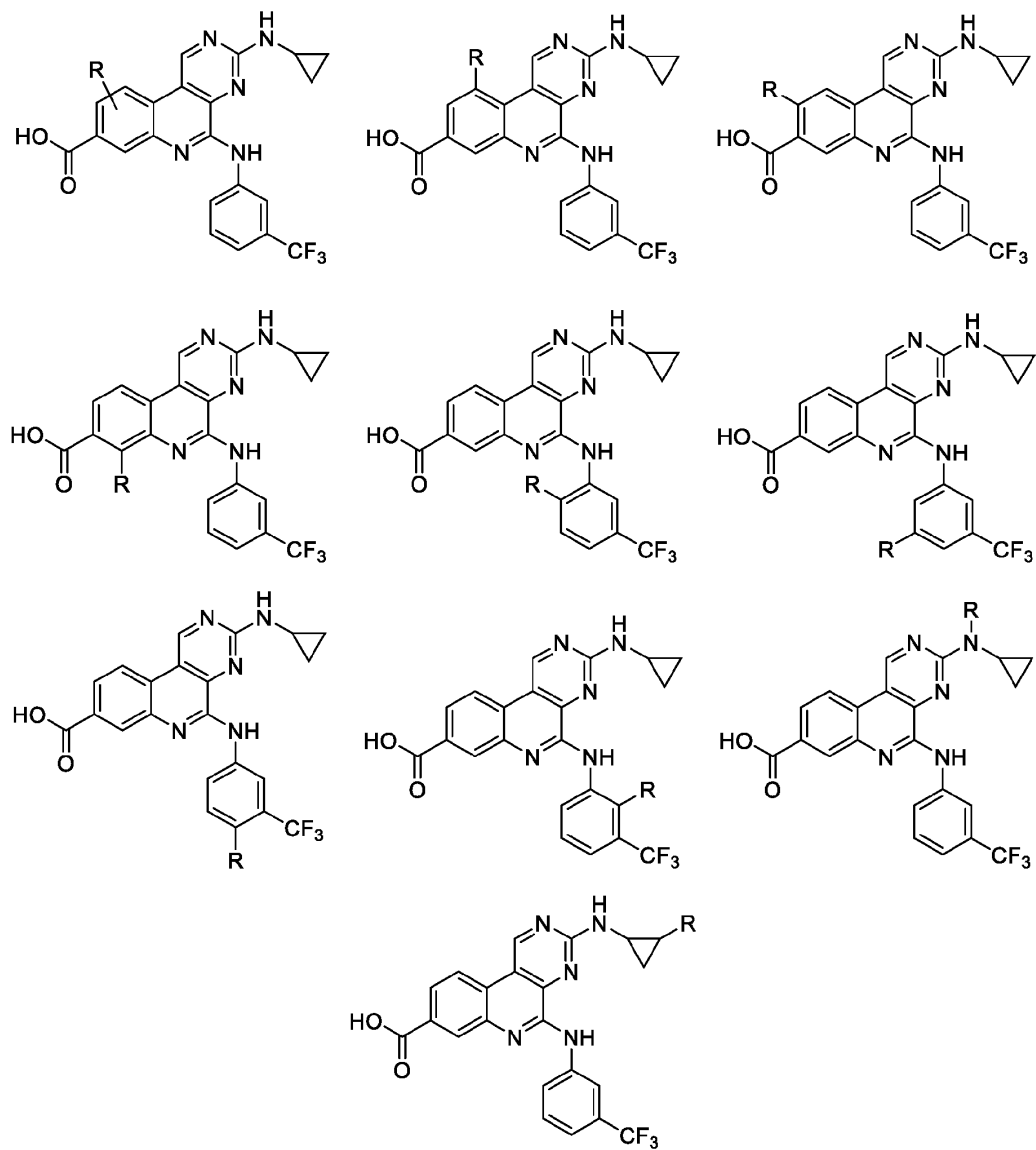


FIG. 2B

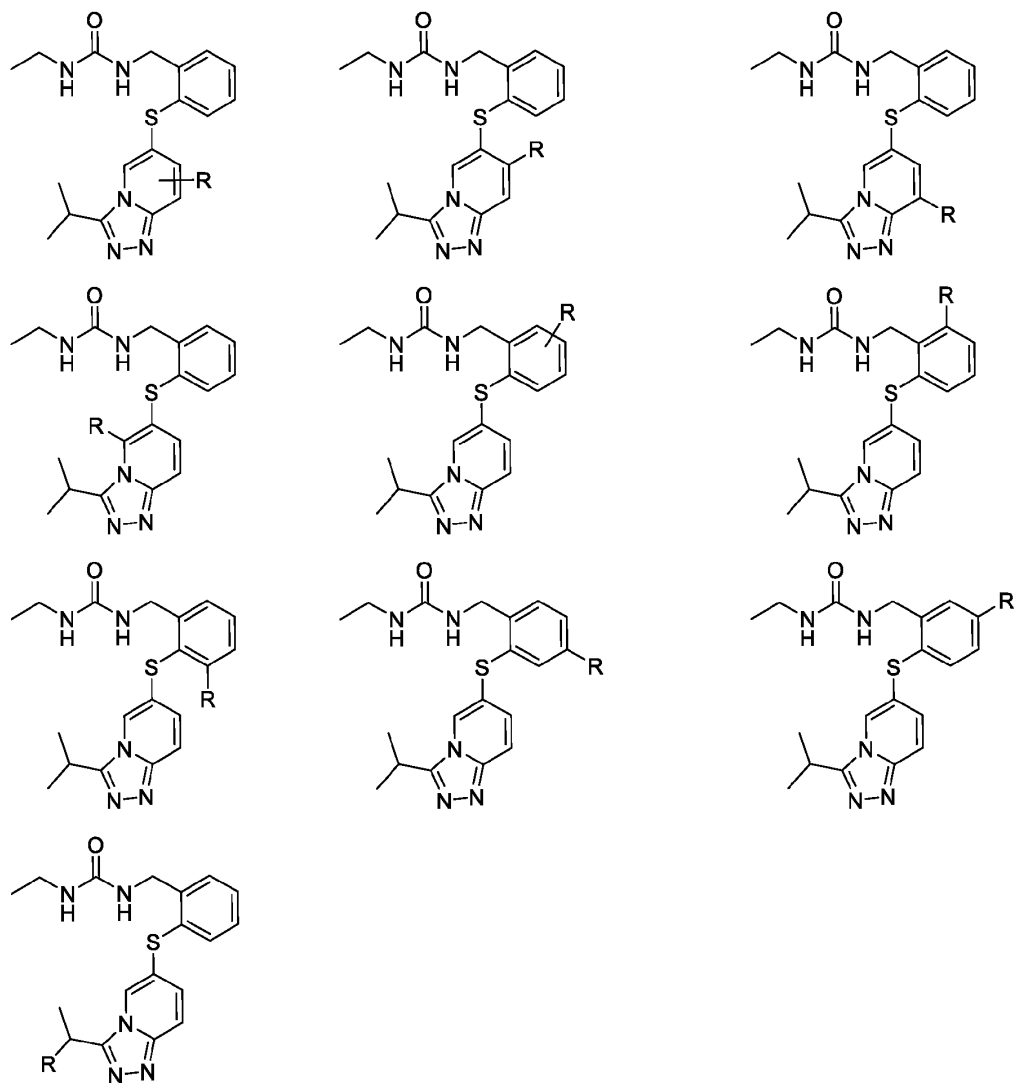


FIG. 2C

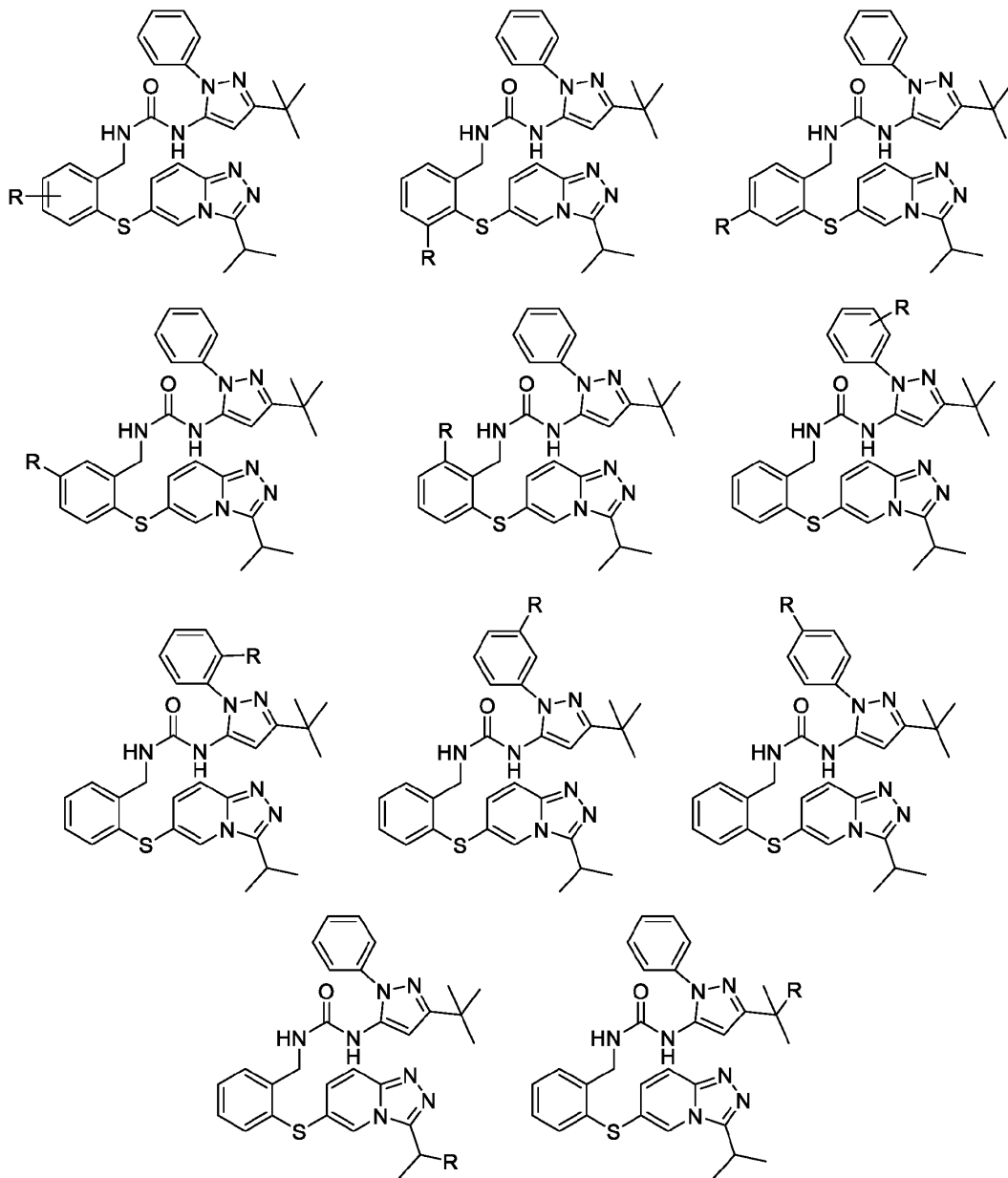




FIG. 2D

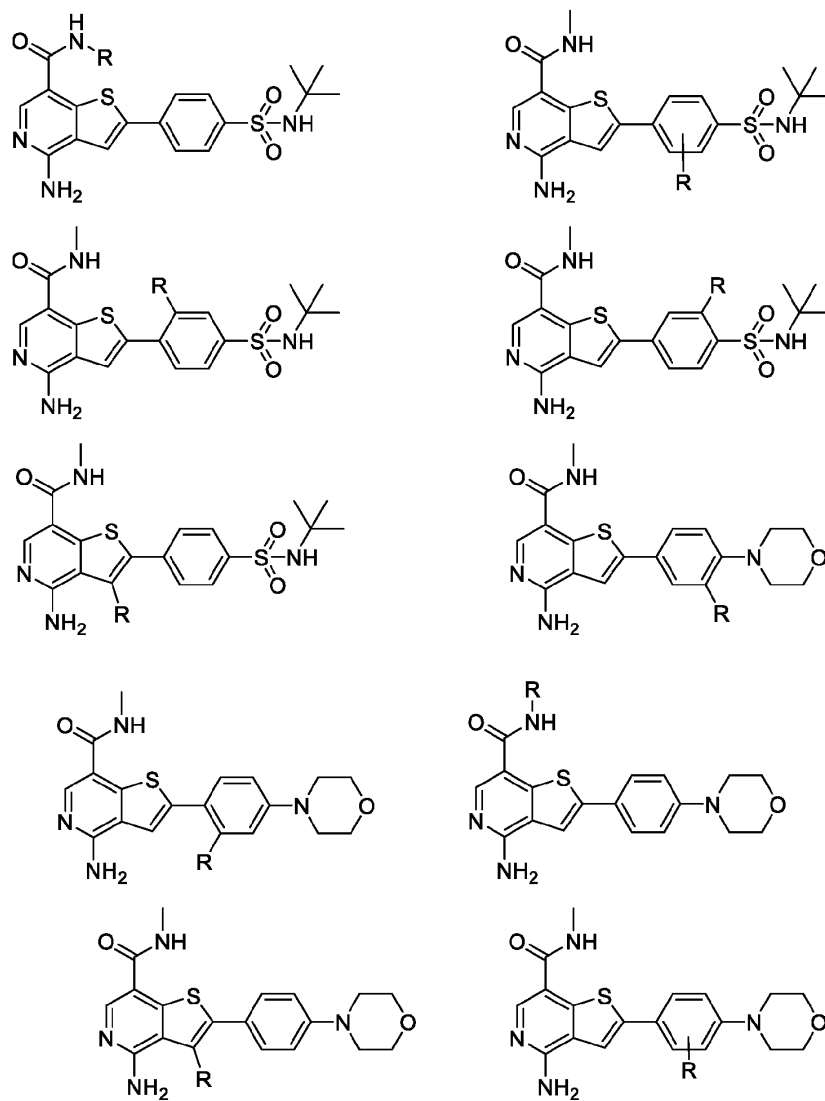


FIG. 2E

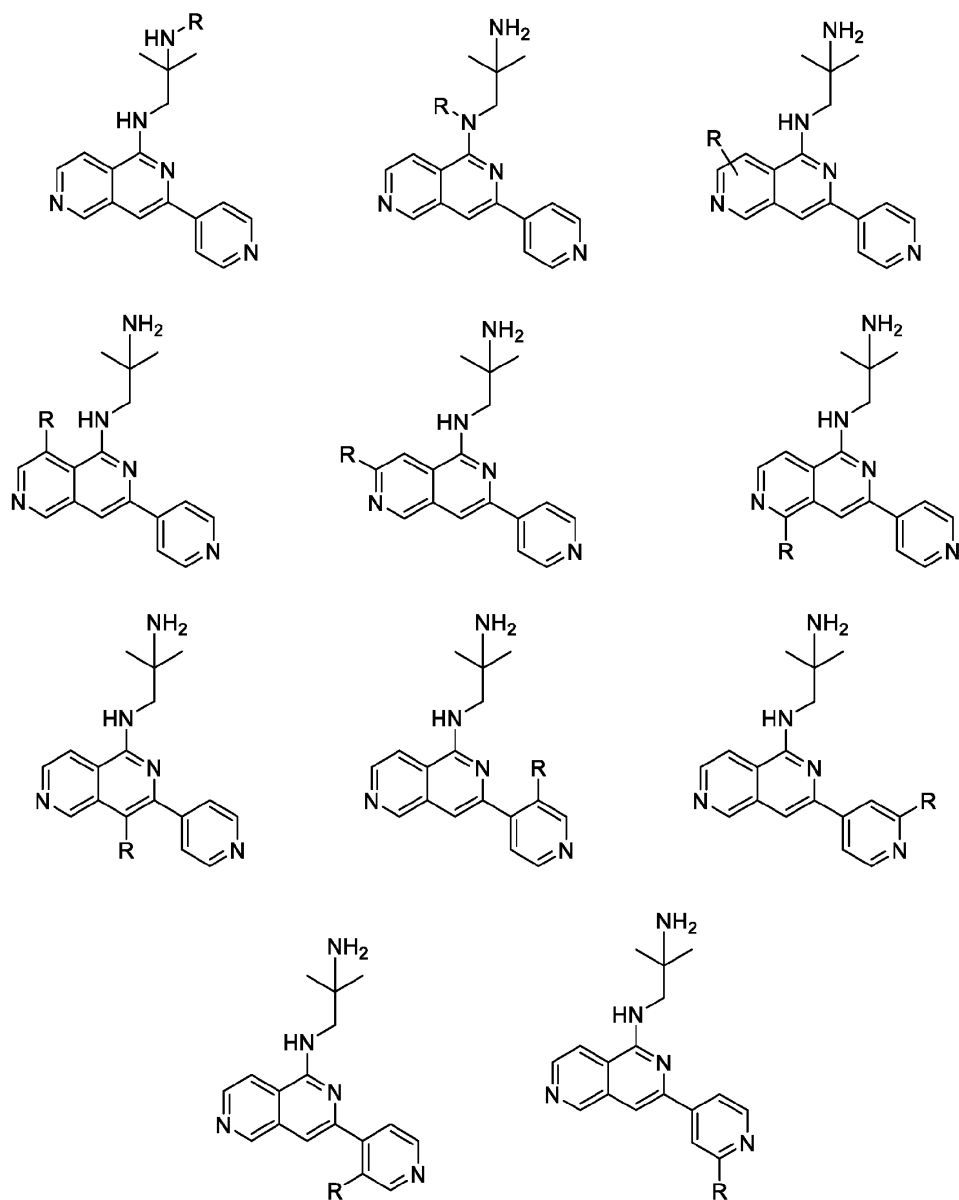


FIG. 2F

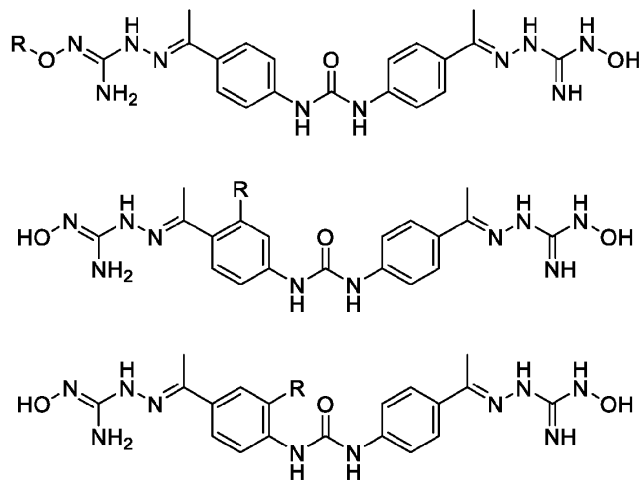


FIG. 2G

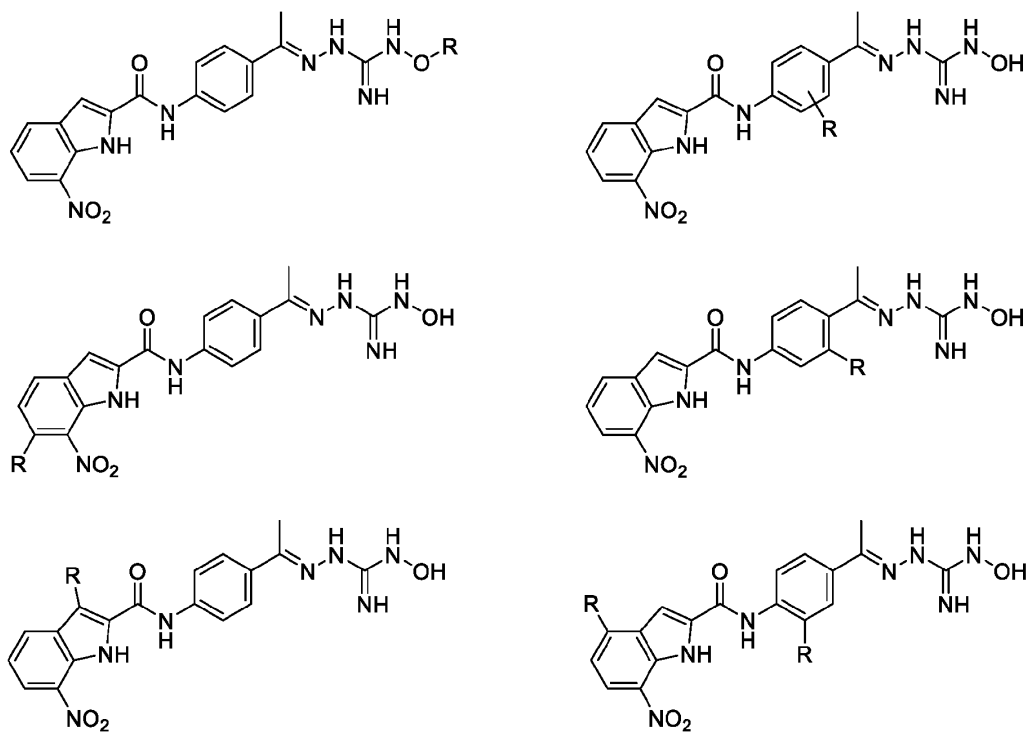


FIG. 2H

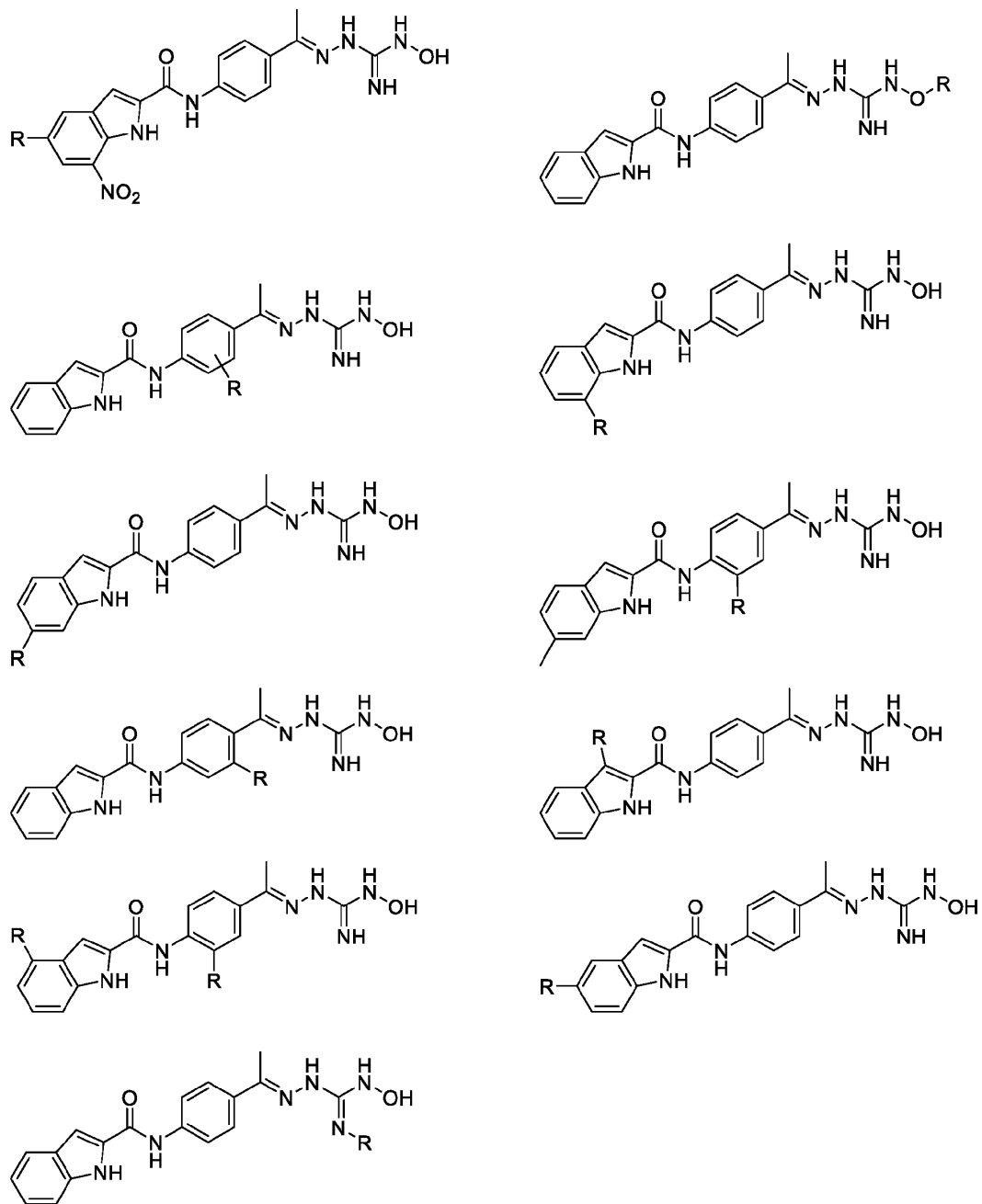
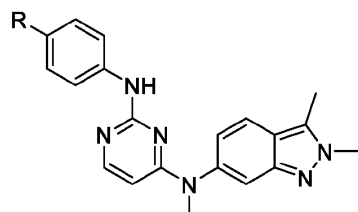
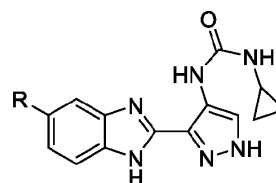


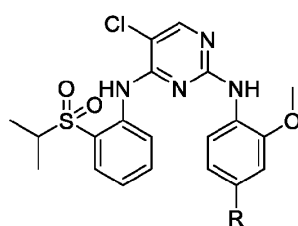
FIG. 2I



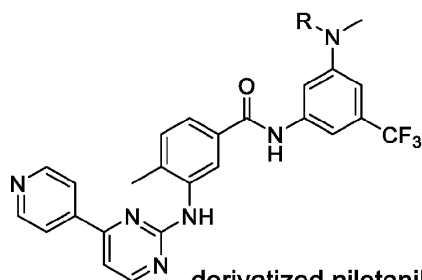
derivatized pazopanib



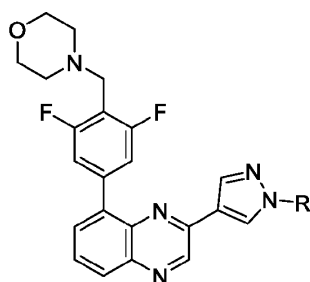
derivatized AT-9283



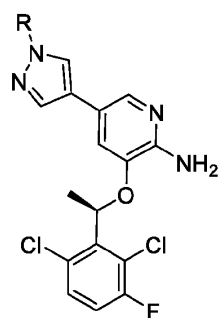
derivatized TAE684



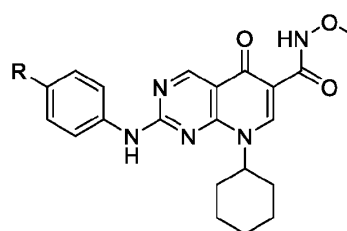
derivatized nilotinib



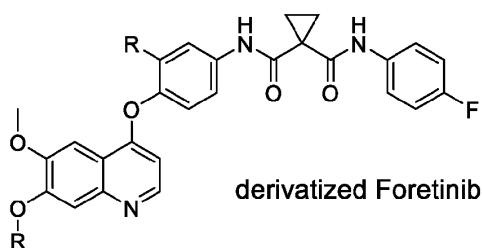
derivatized NVP-BSK805



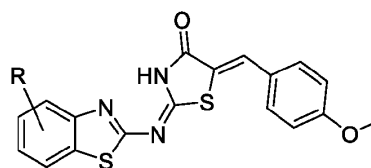
derivatized Crizotinib



derivatized JNJ FMS



derivatized Foretinib



derivatized inhibitor of SHP-2 Domain of Tyrosine Phosphatase

FIG. 2J

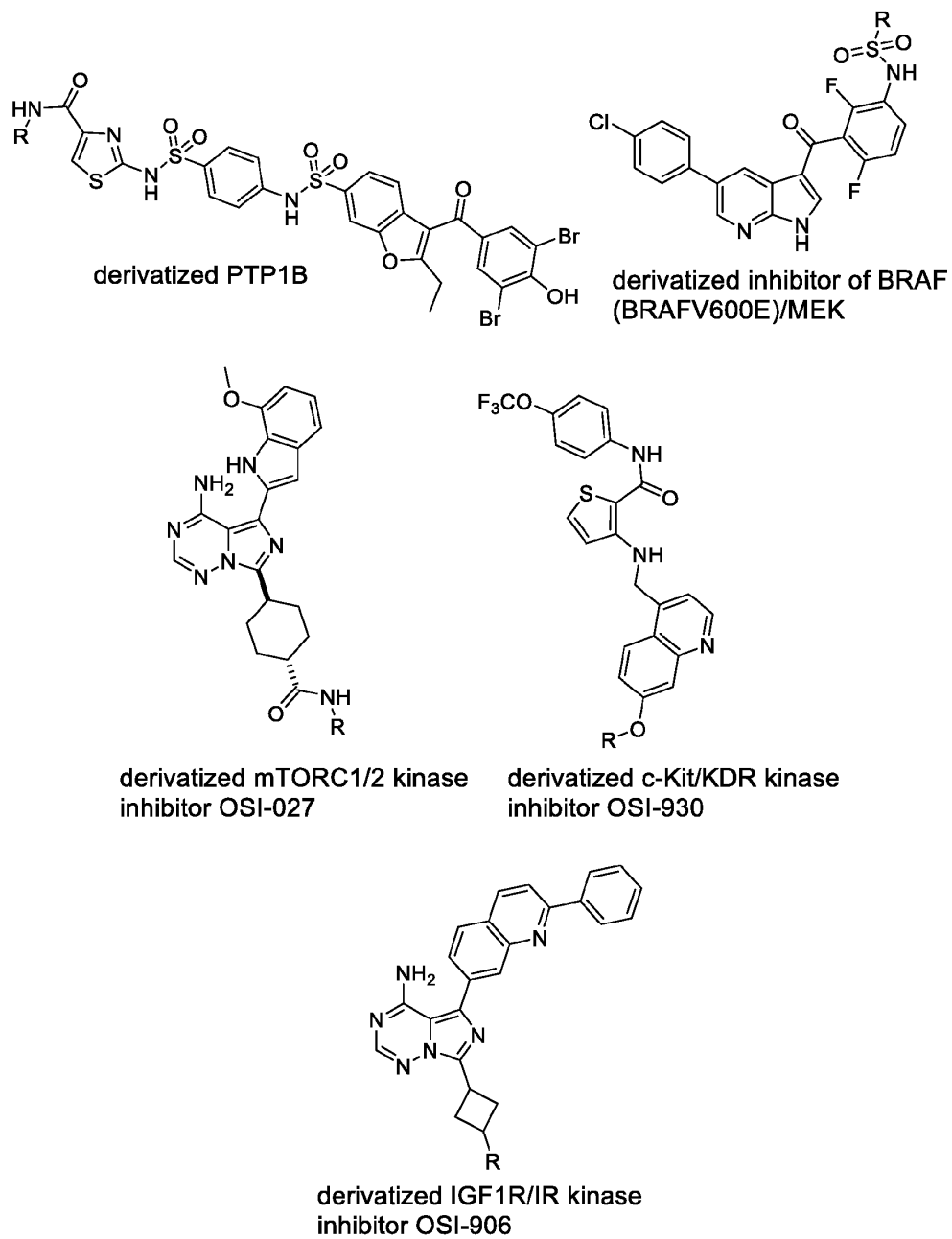


FIG. 2K

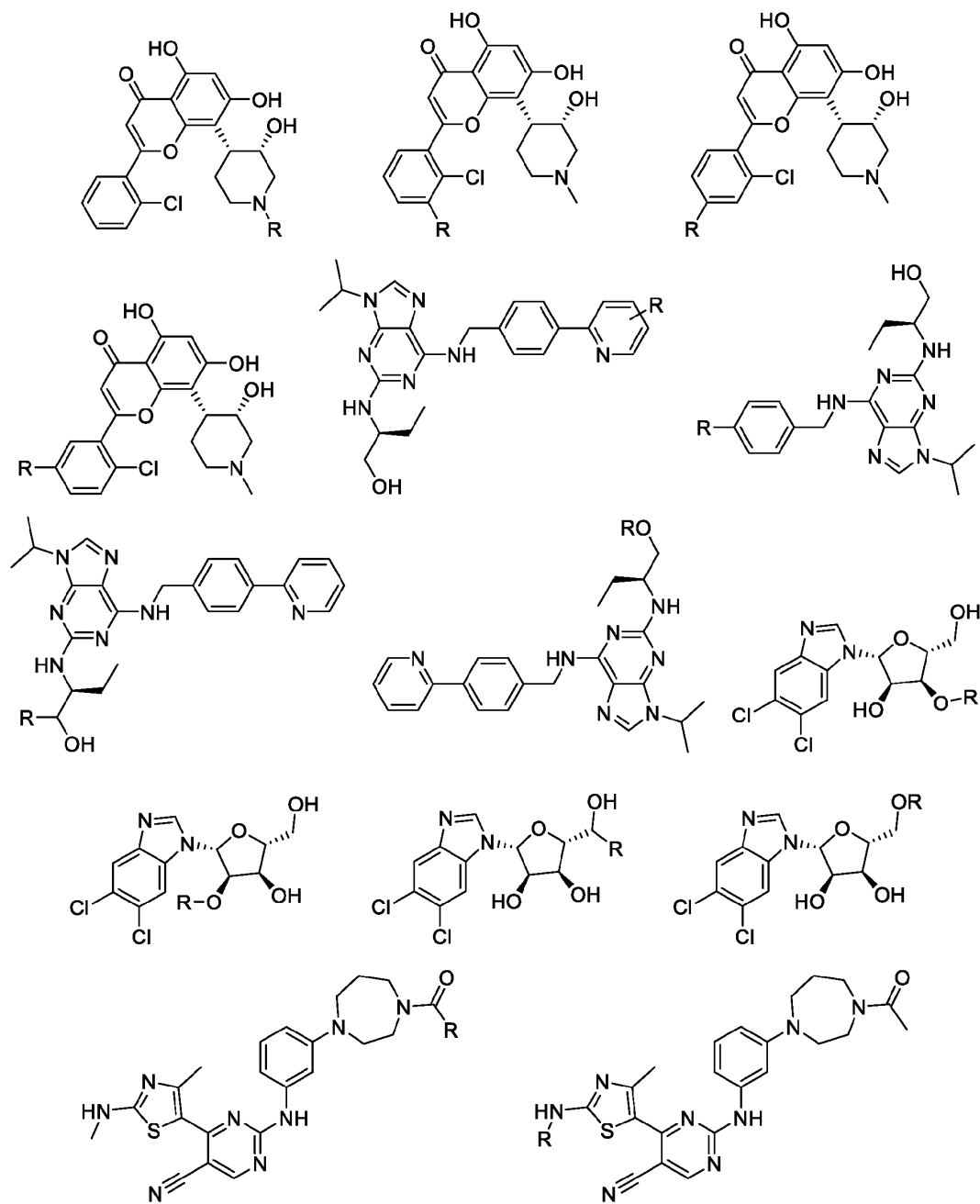


FIG. 2L

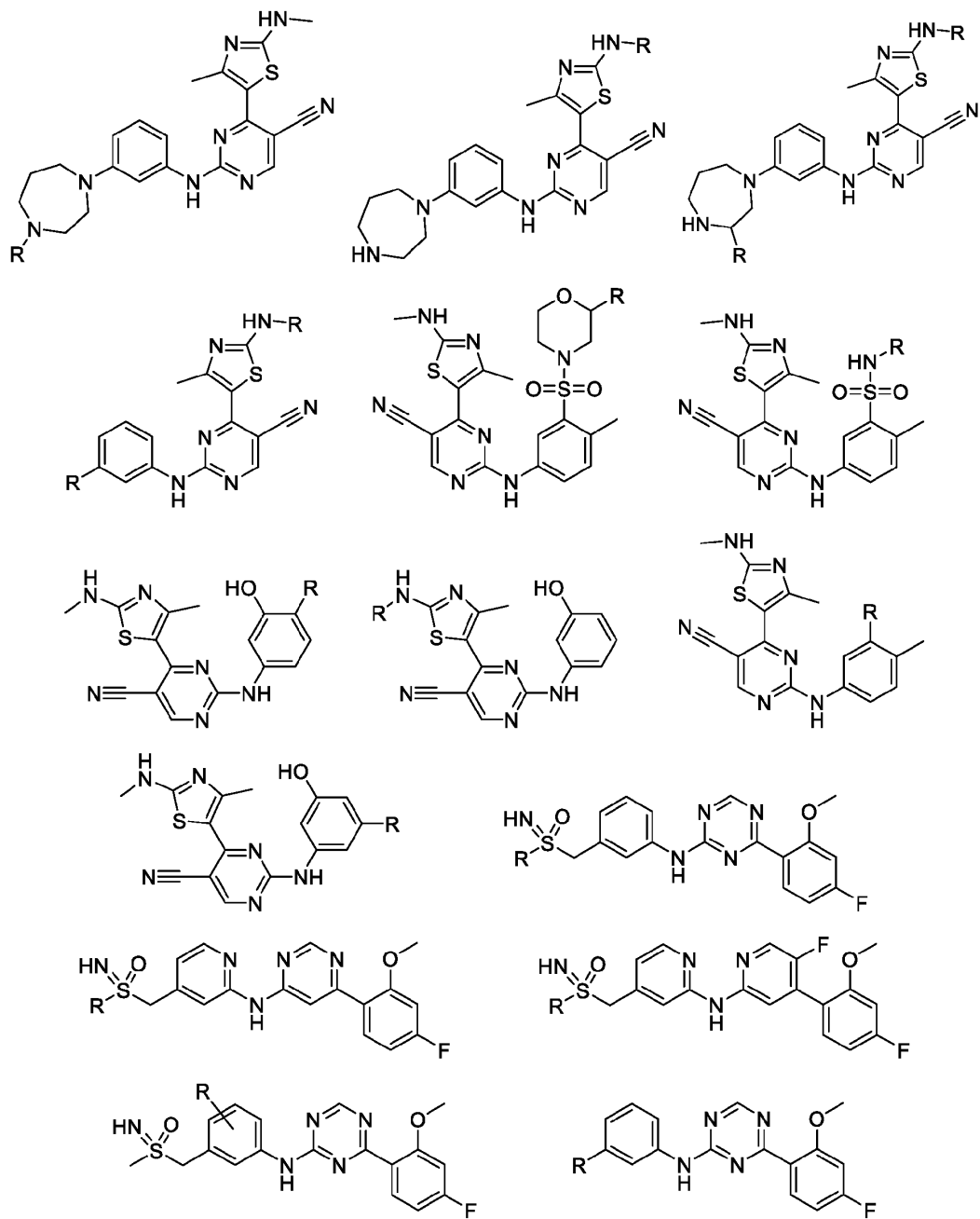




FIG. 2M

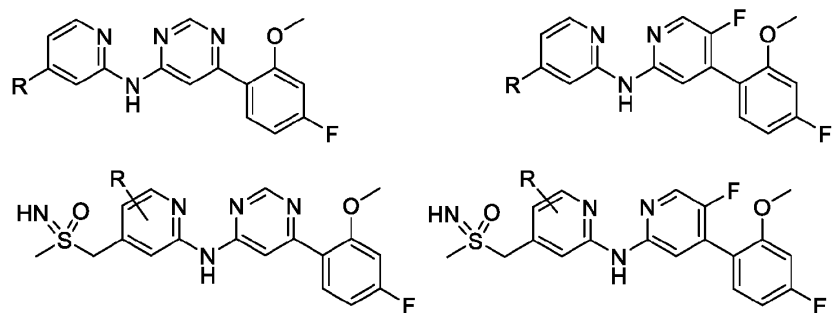


FIG. 2N

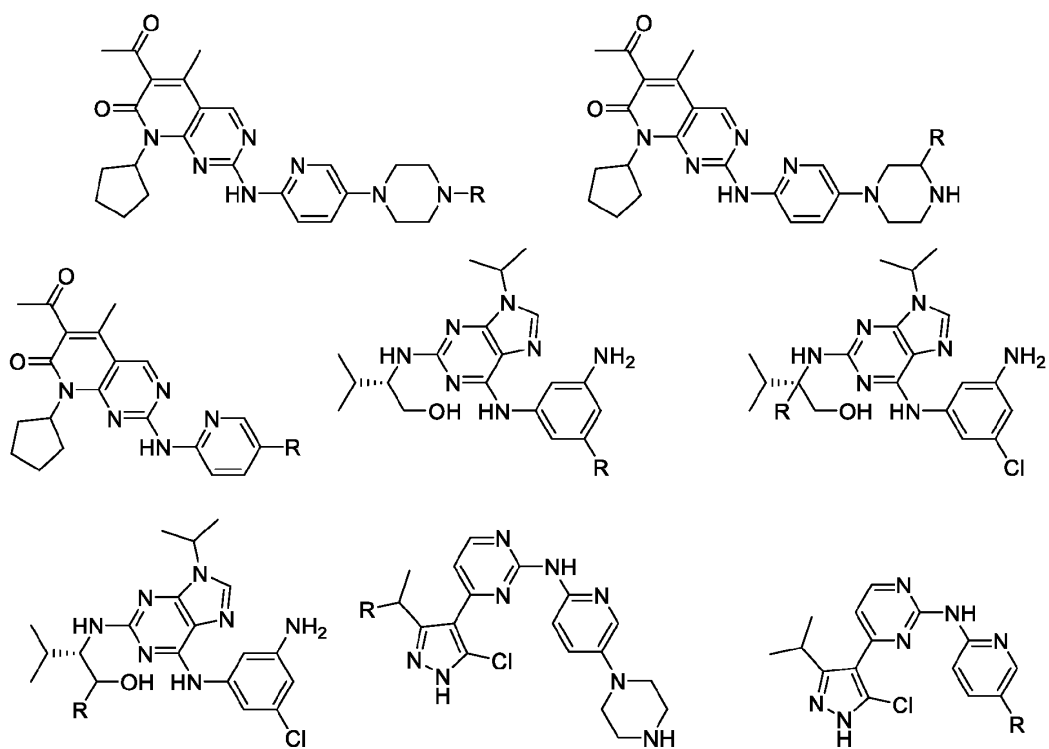


FIG. 20

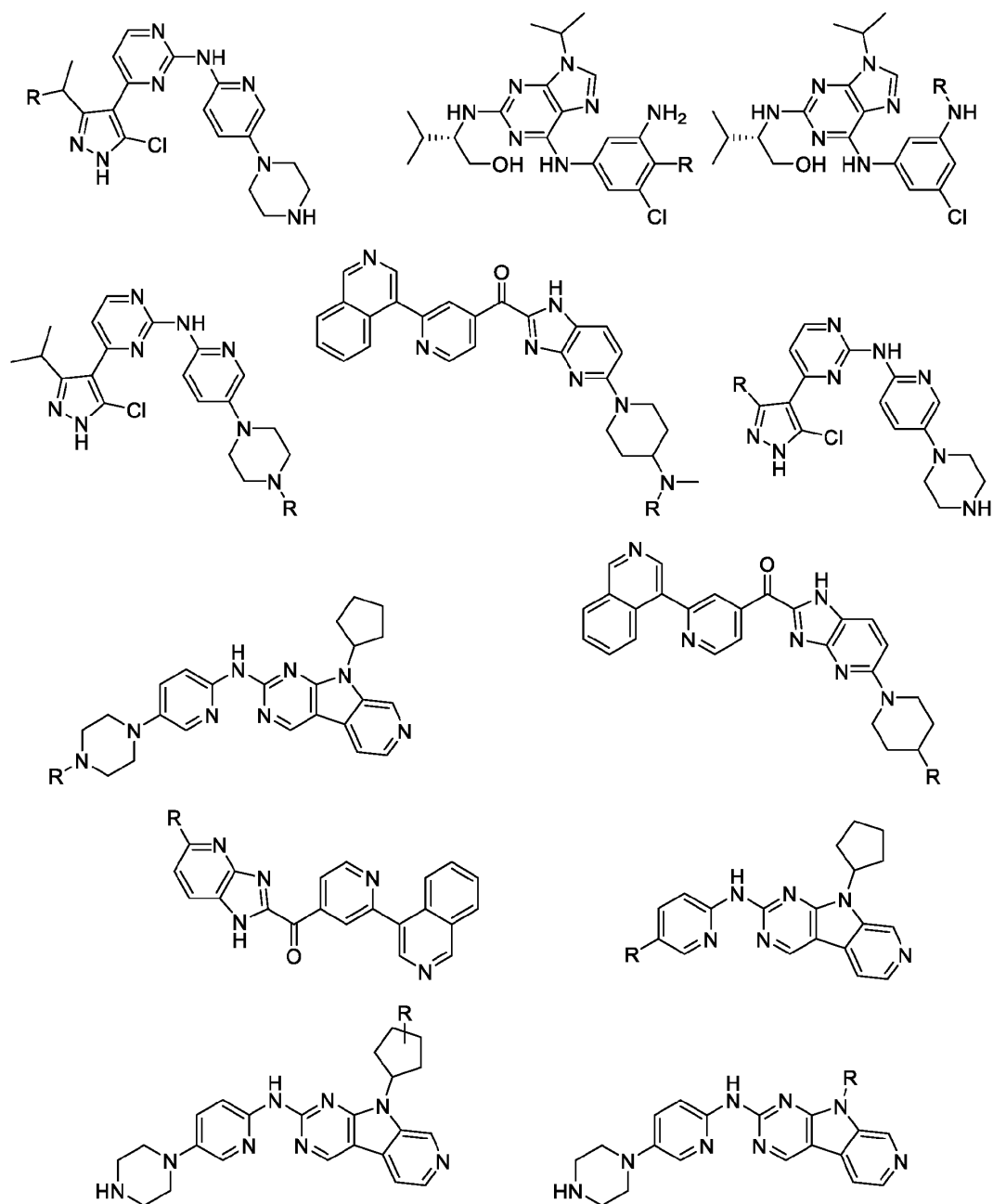


FIG. 2P

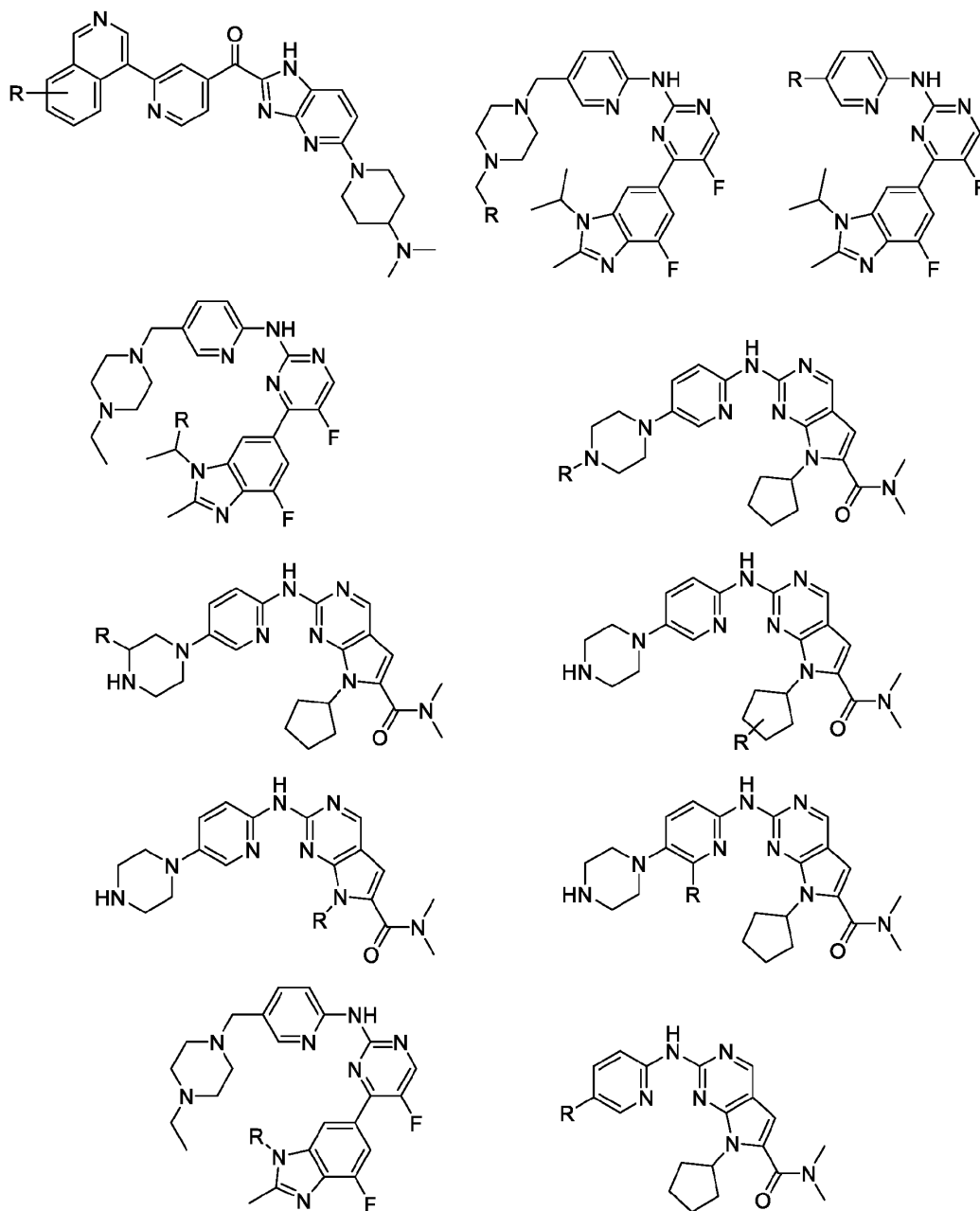


FIG. 2Q

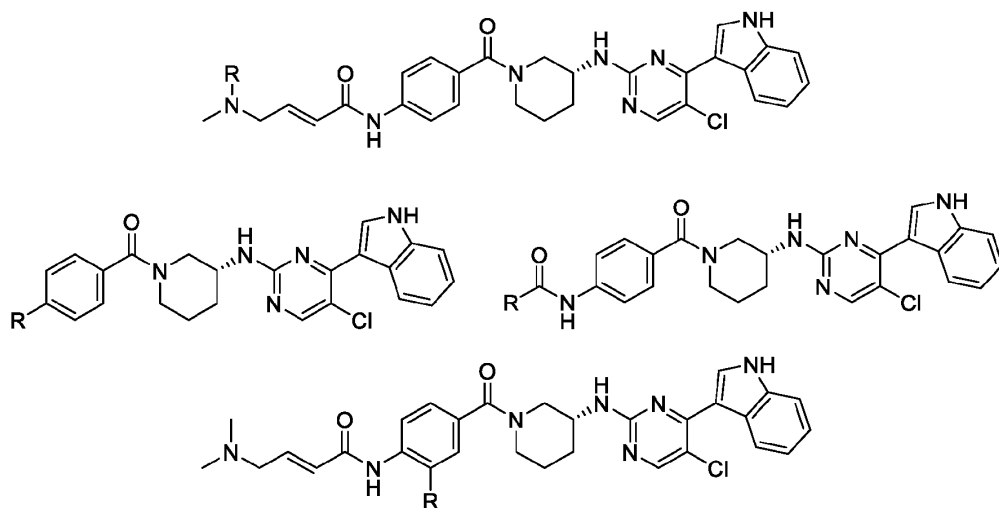


FIG. 2R

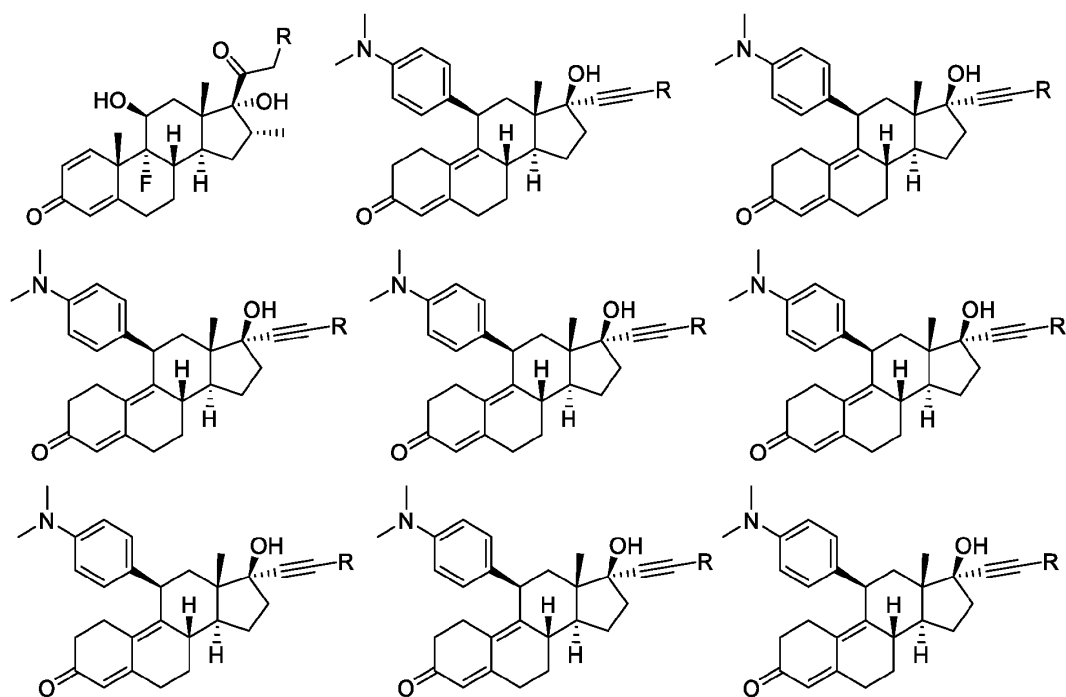


FIG. 2S

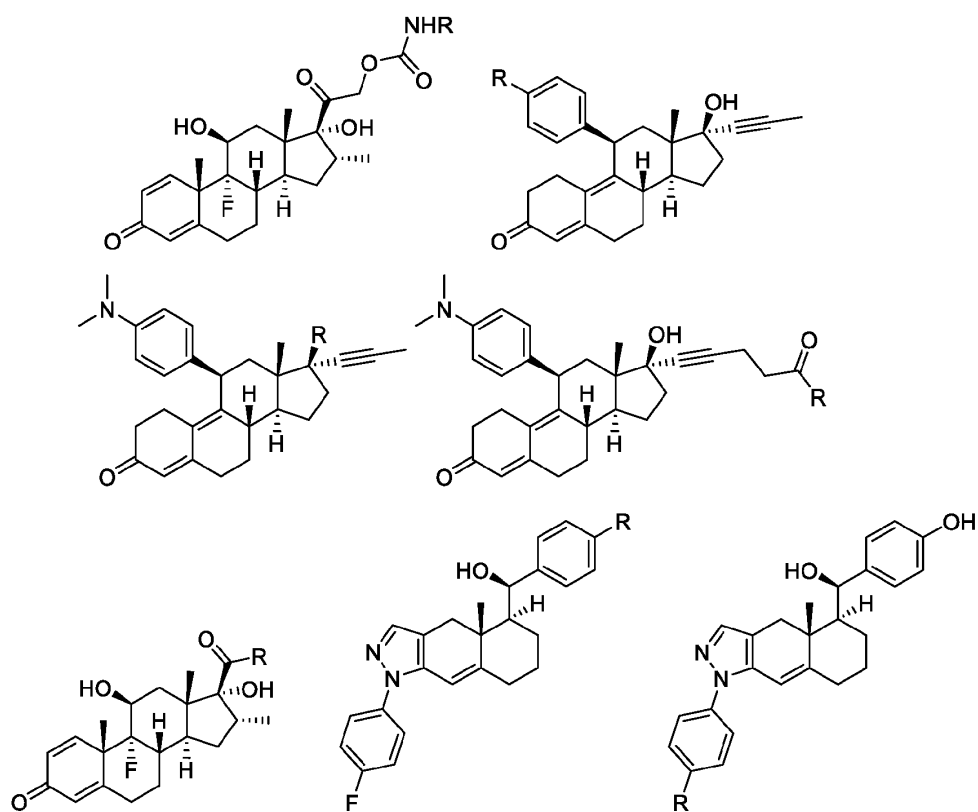


FIG. 2T

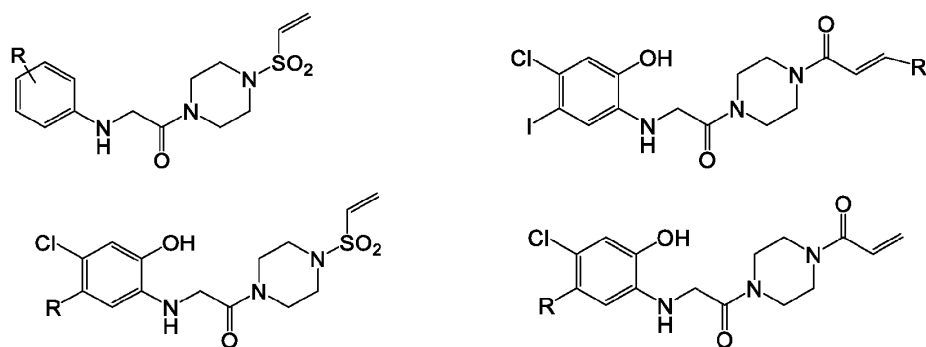


FIG. 2U

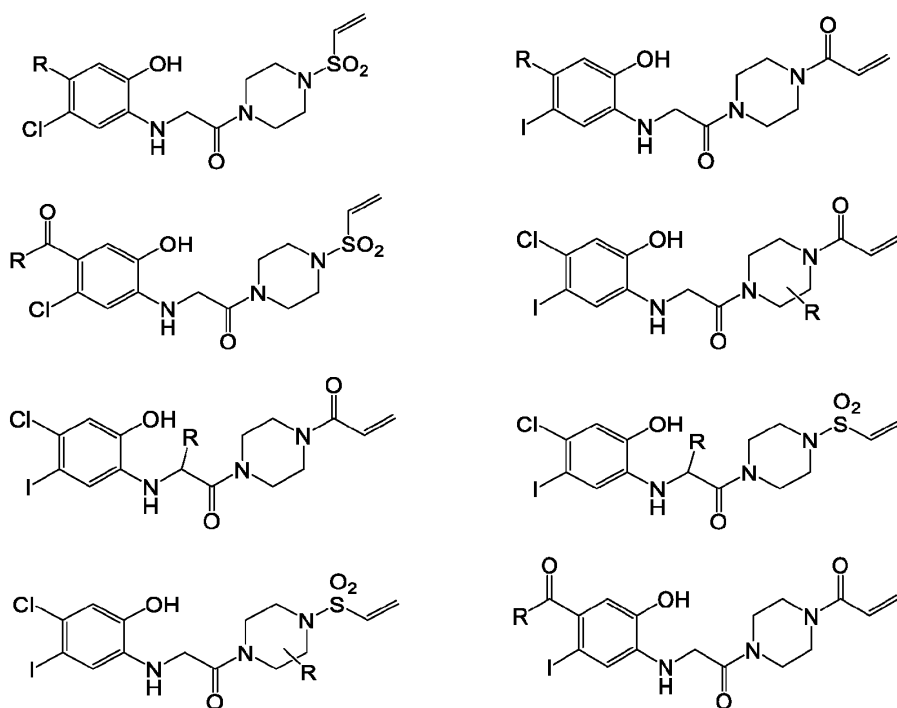


FIG. 2V

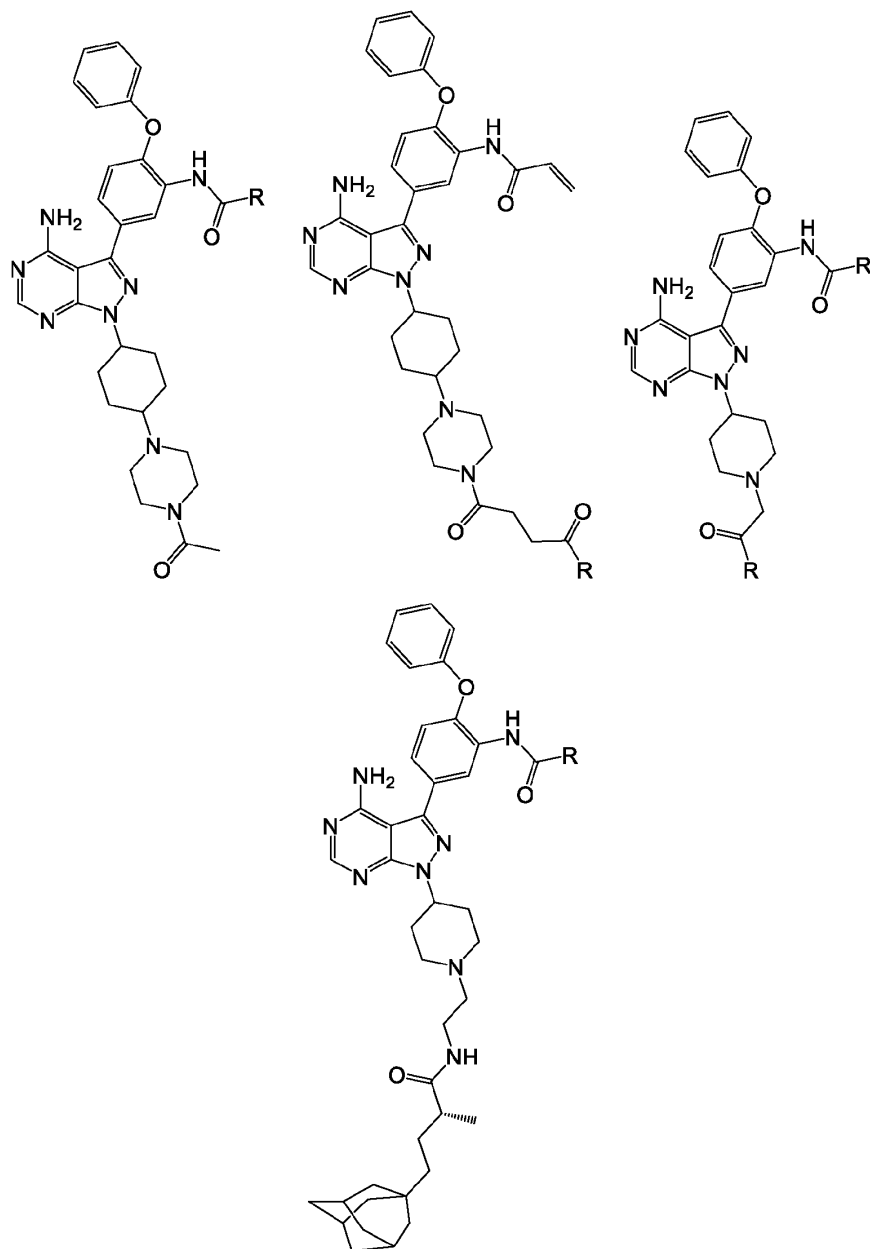


FIG. 2W

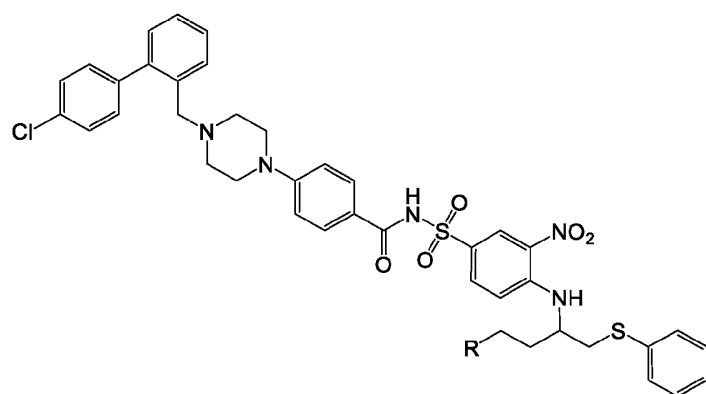
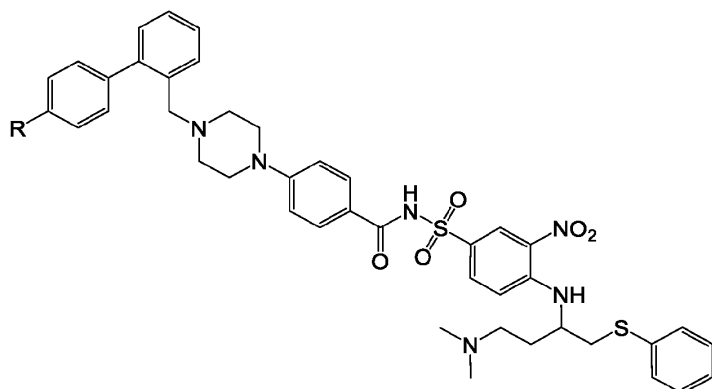


FIG. 2X

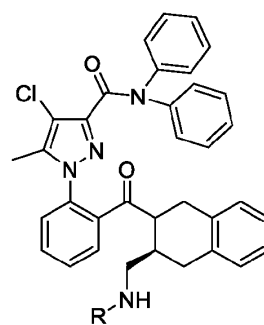
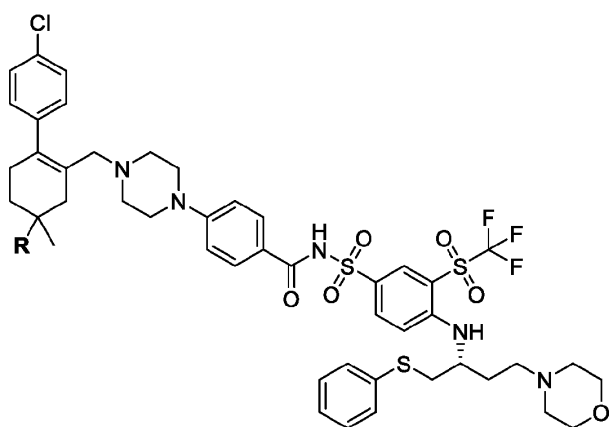




FIG. 2Y

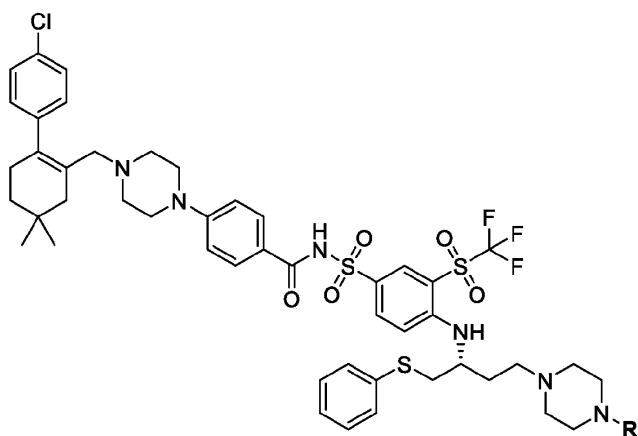
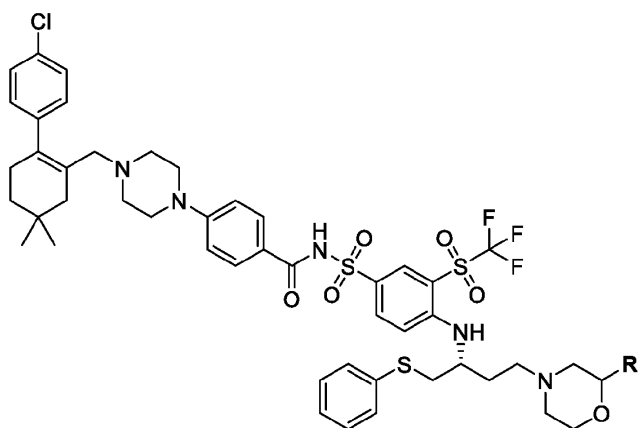
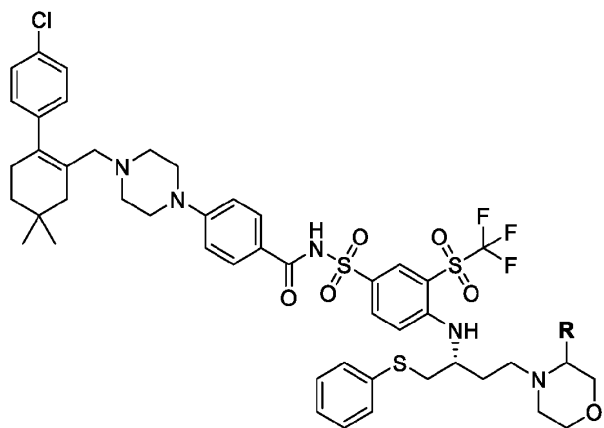


FIG. 2Z

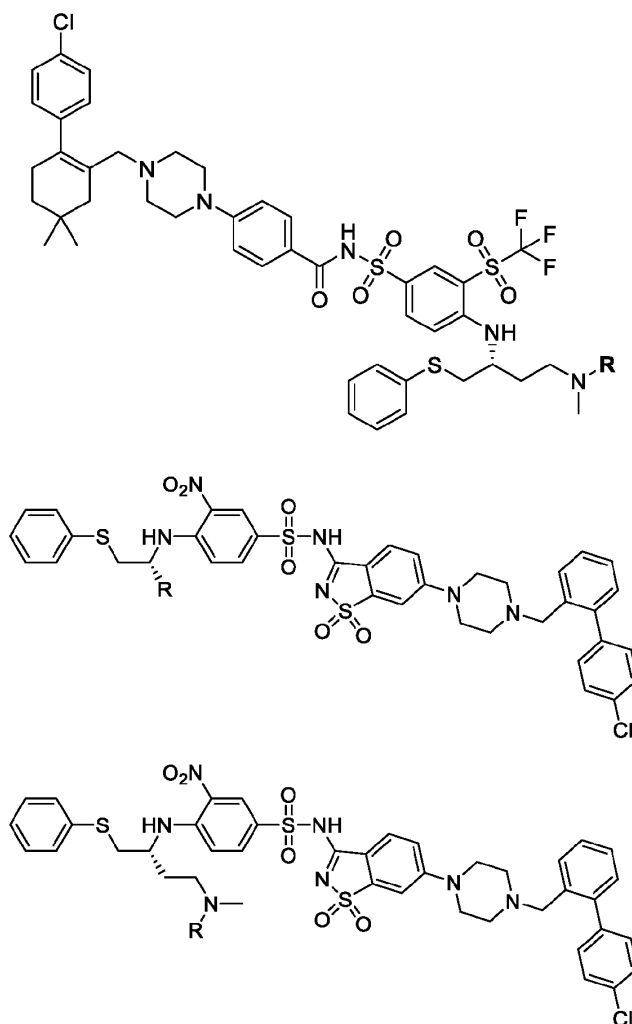


FIG. 2AA

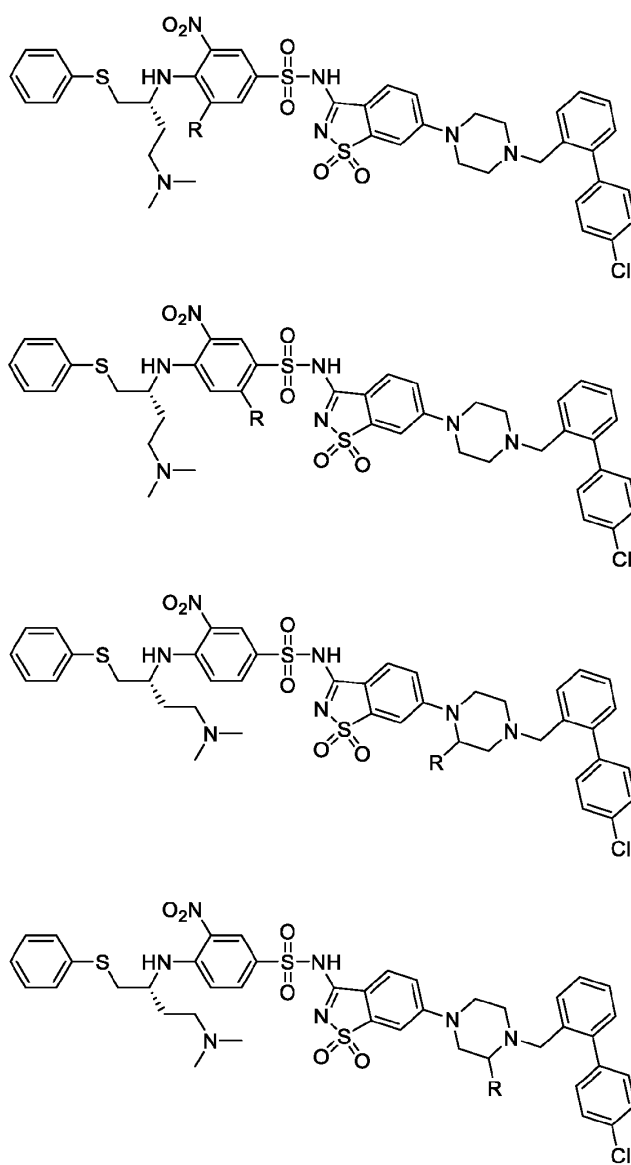


FIG. 2BB

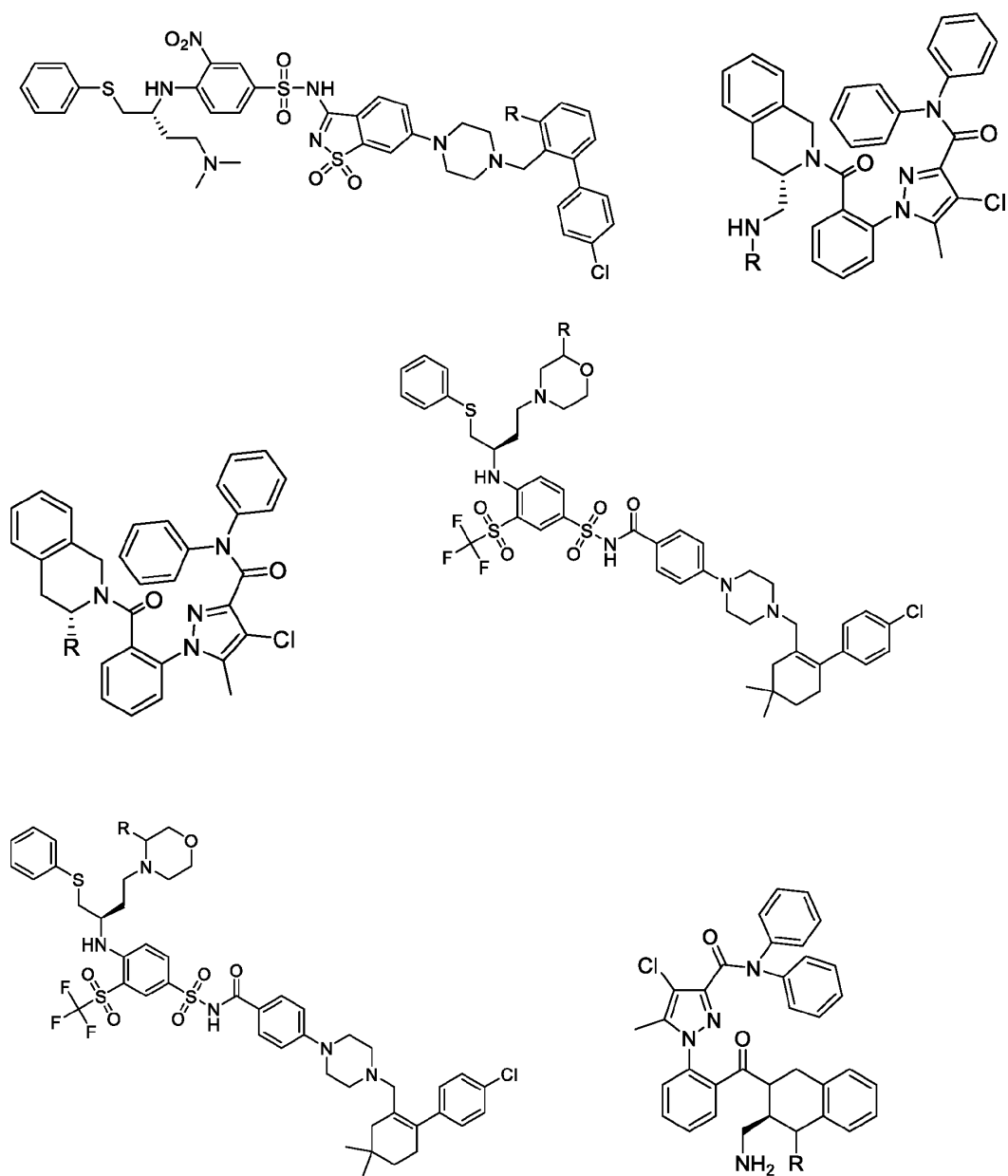


FIG. 2CC

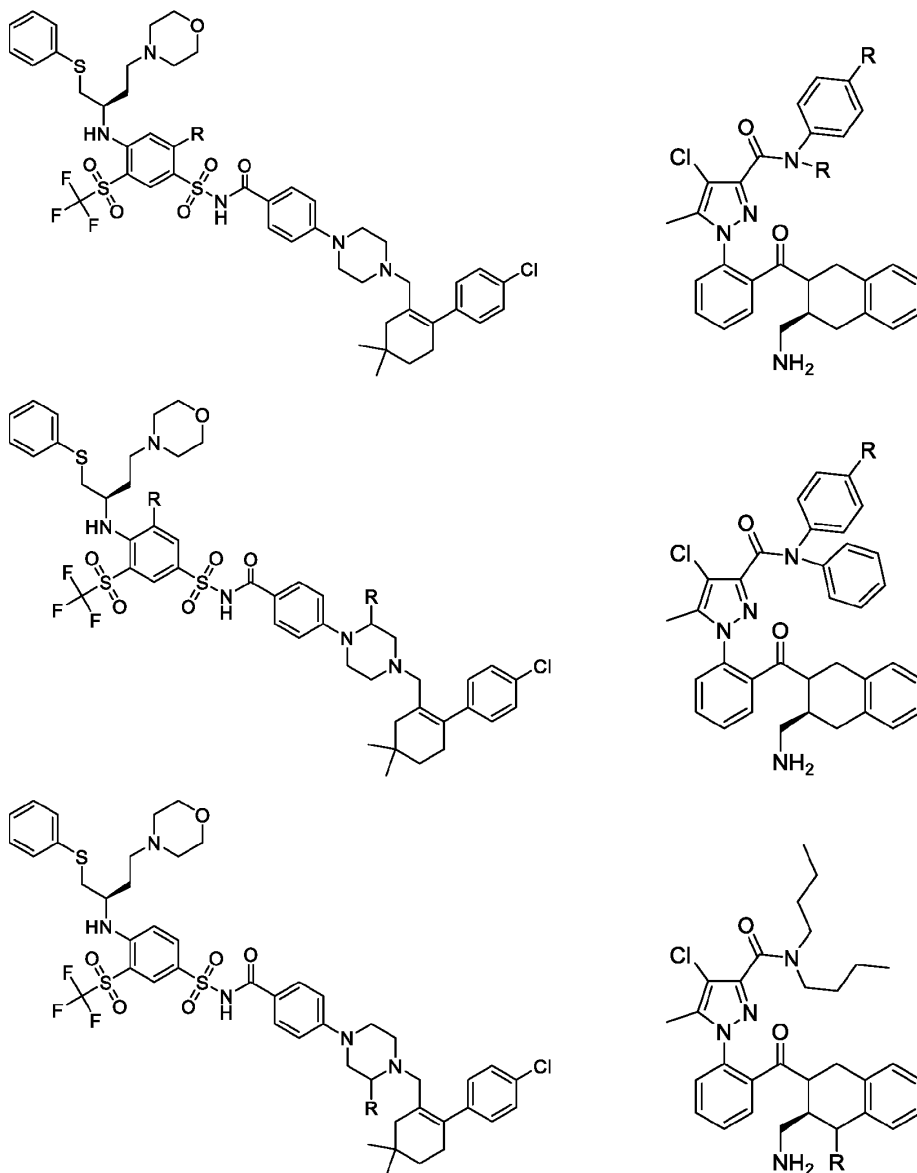


FIG. 2DD

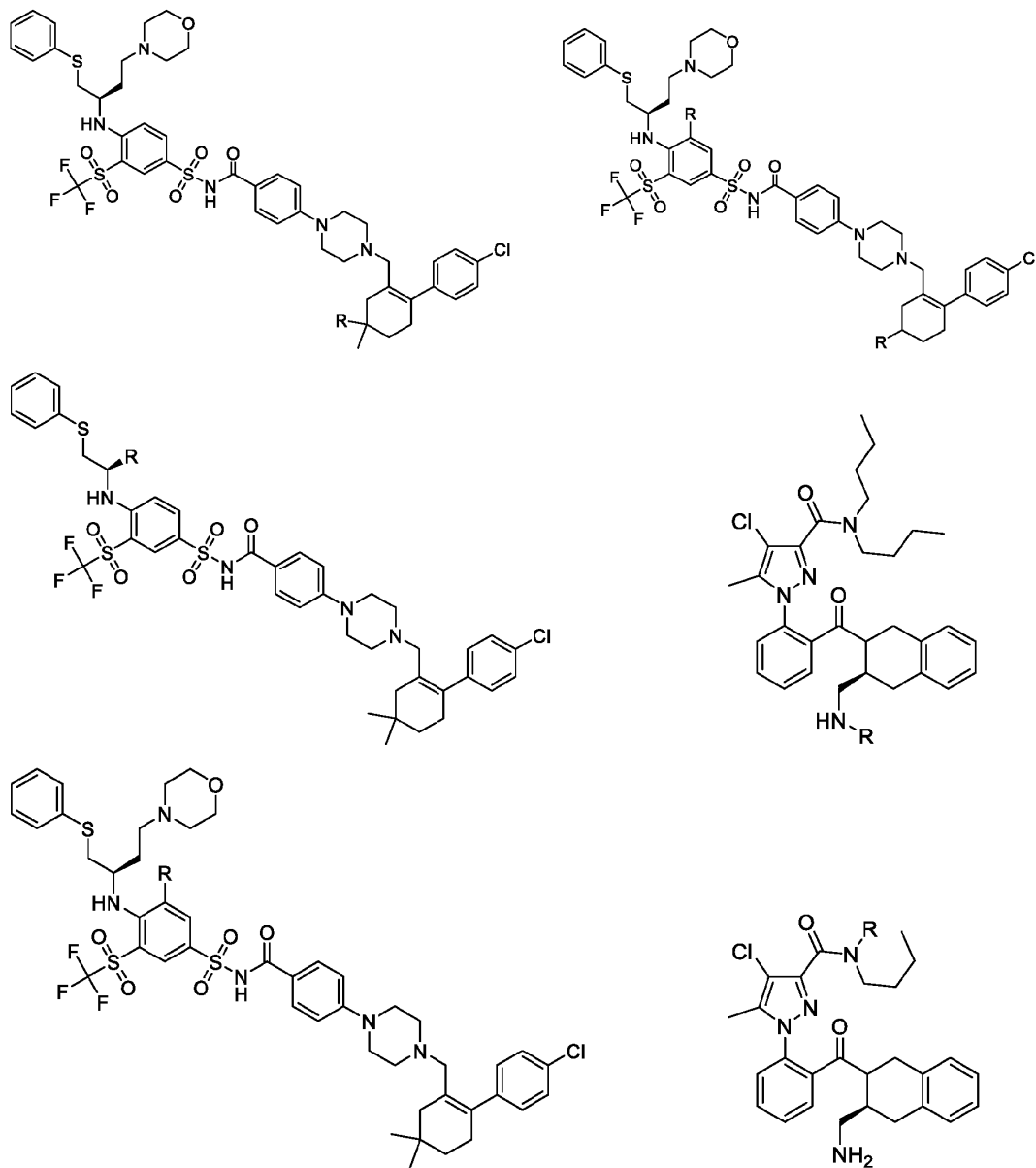


FIG. 2EE

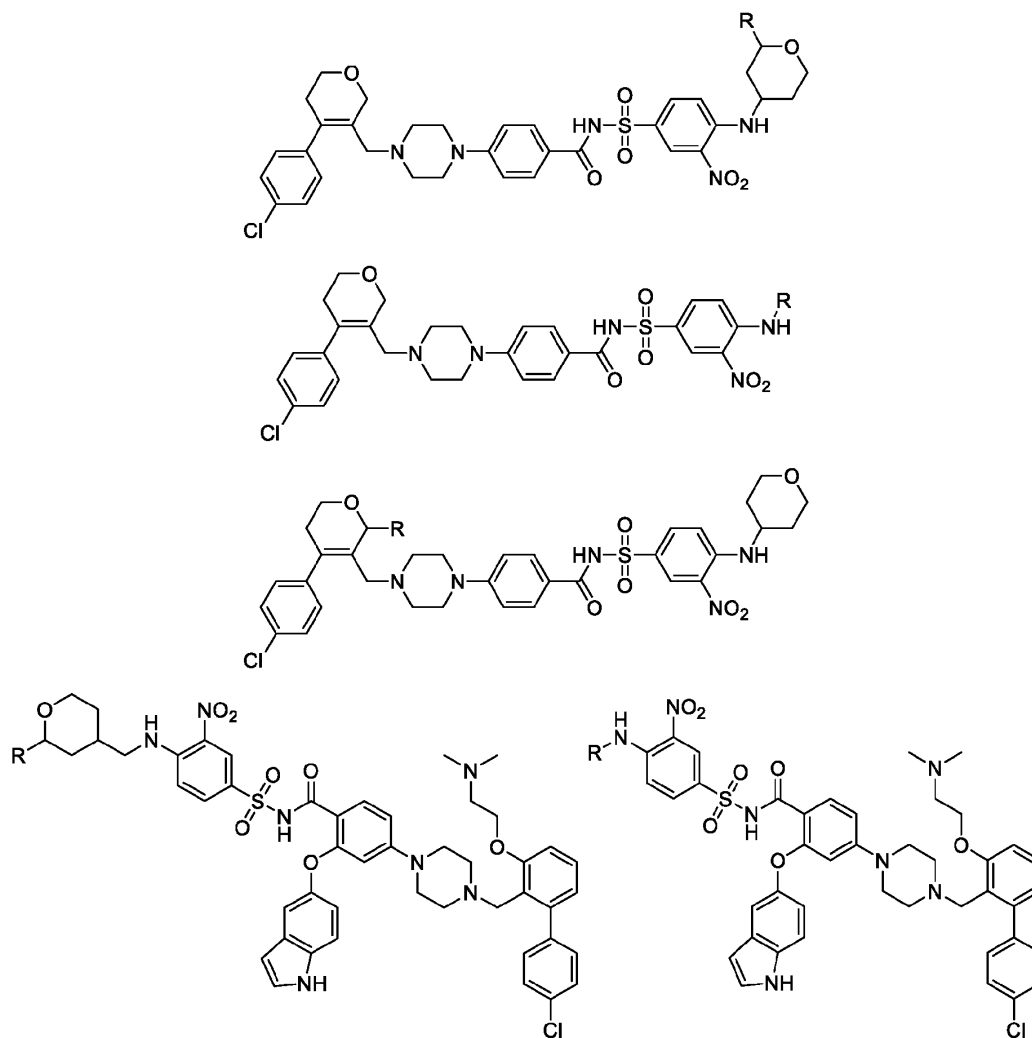


FIG. 2FF

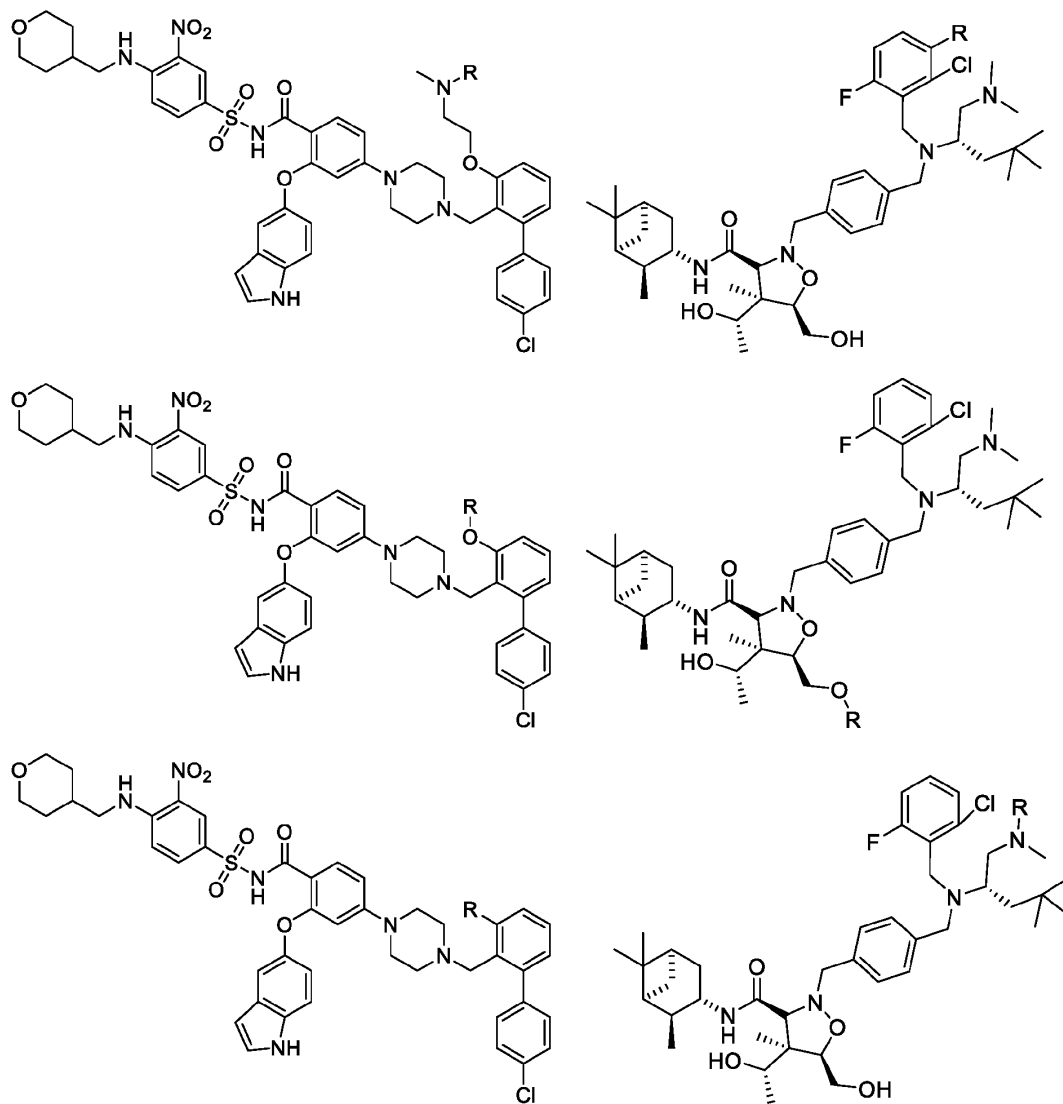




FIG. 2GG

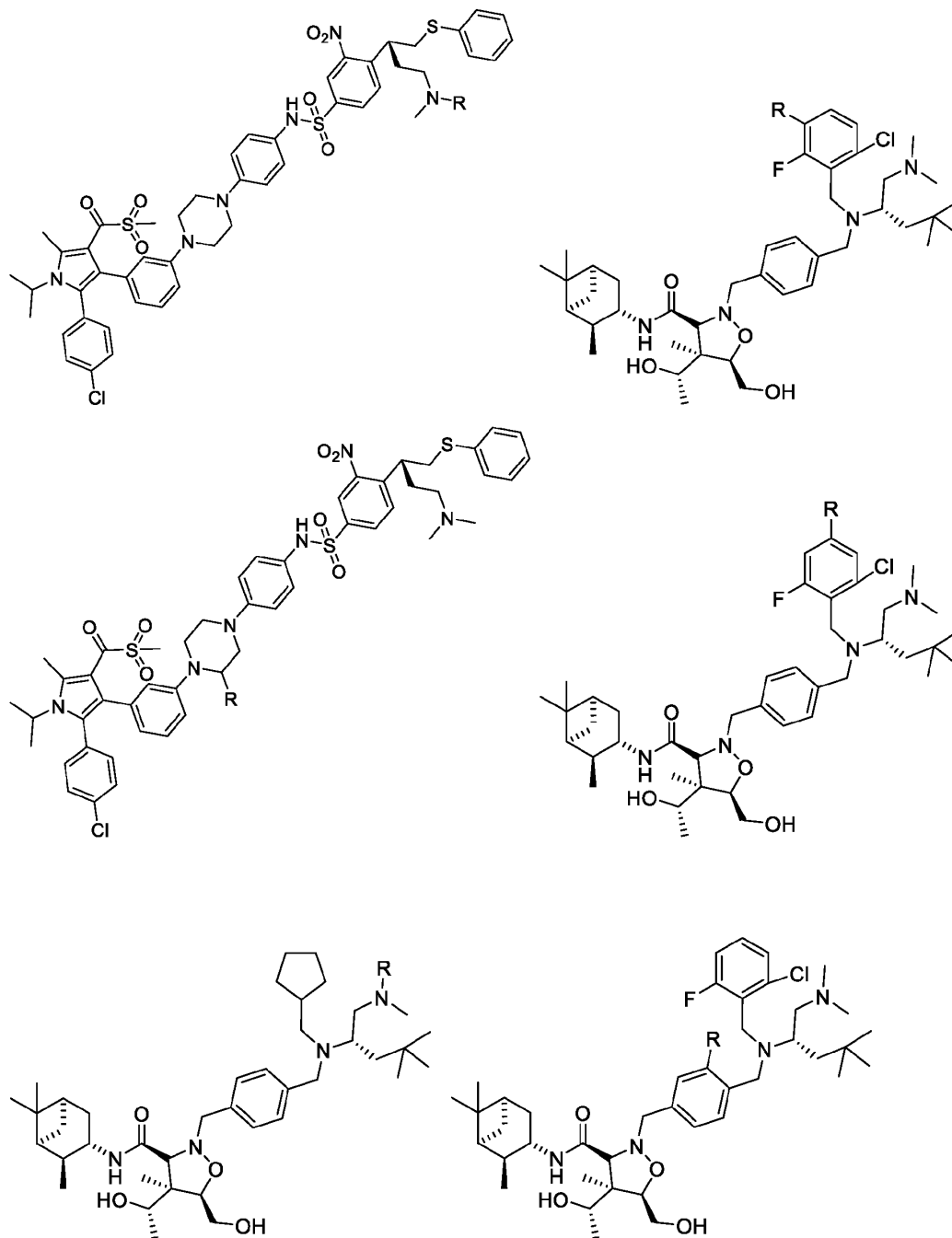


FIG. 2HH

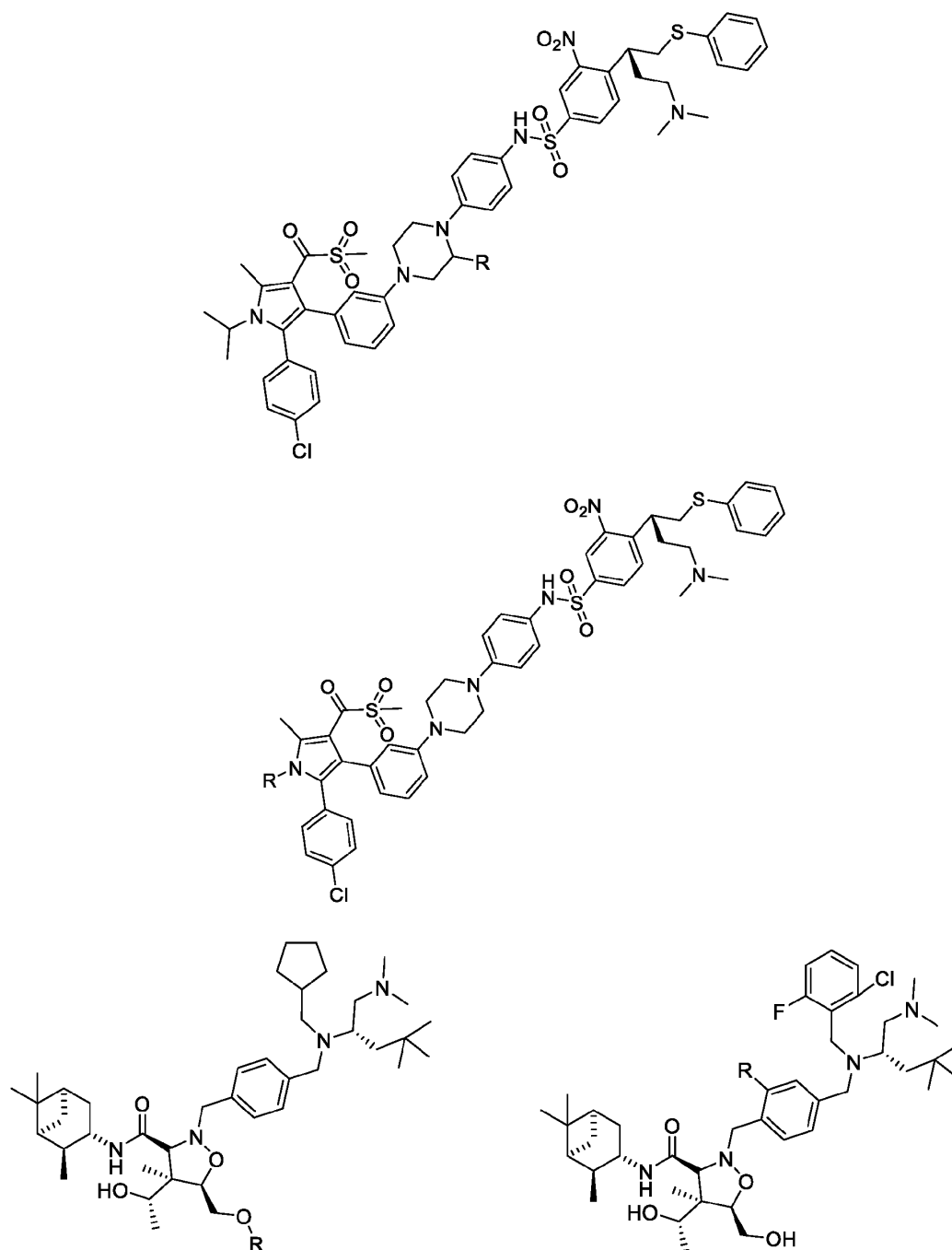


FIG. 2II

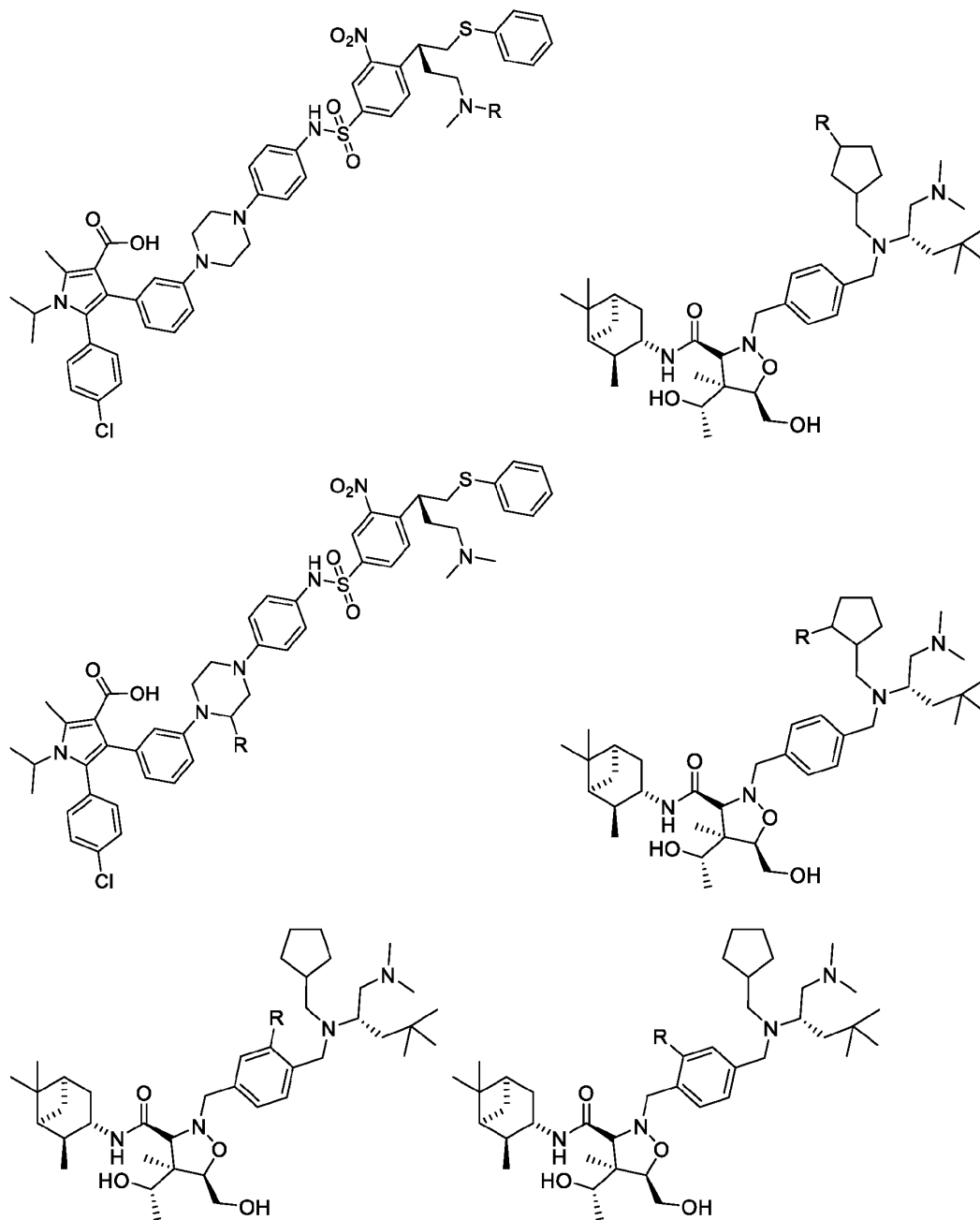


FIG. 2JJ

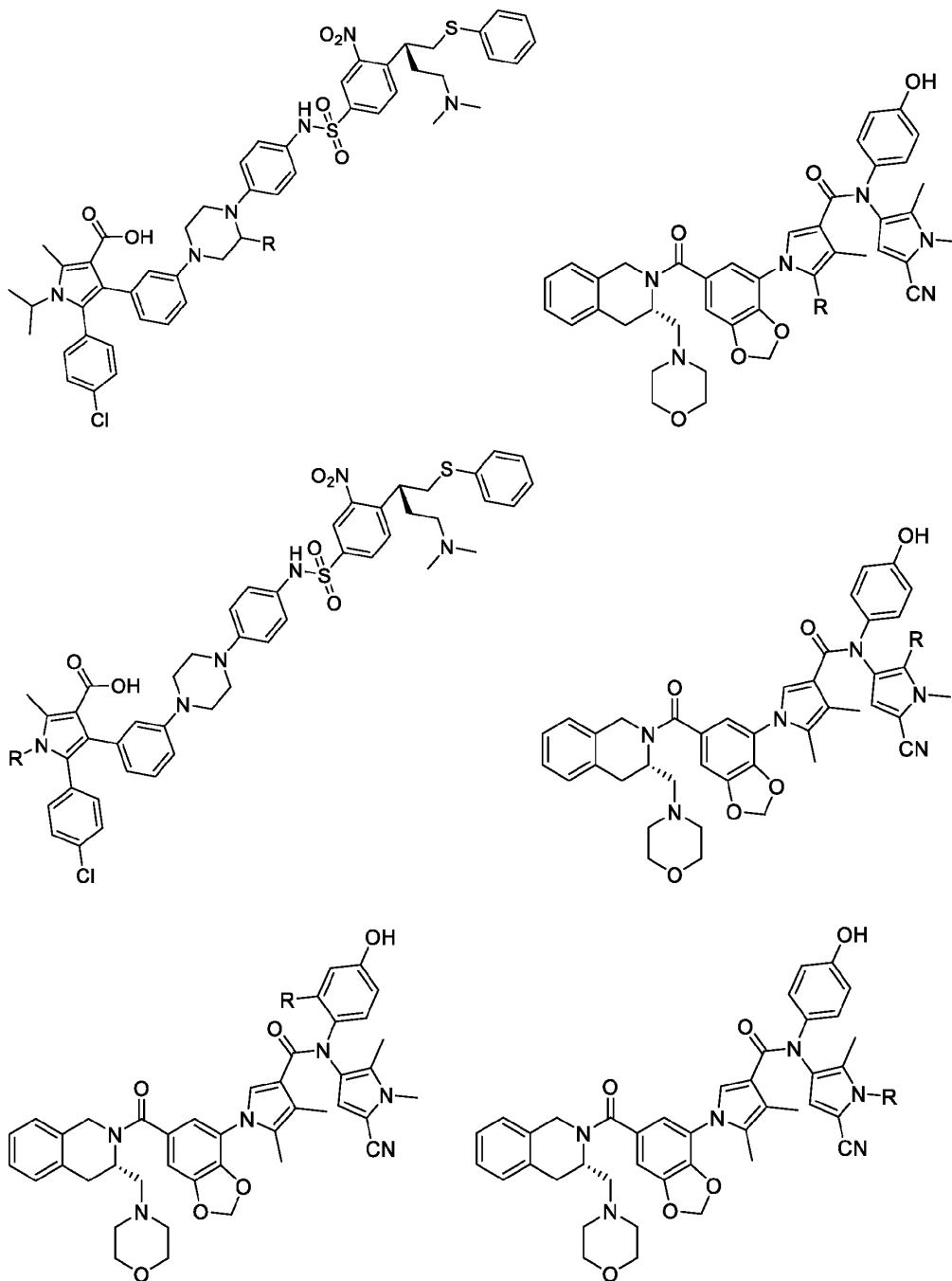


FIG. 2KK

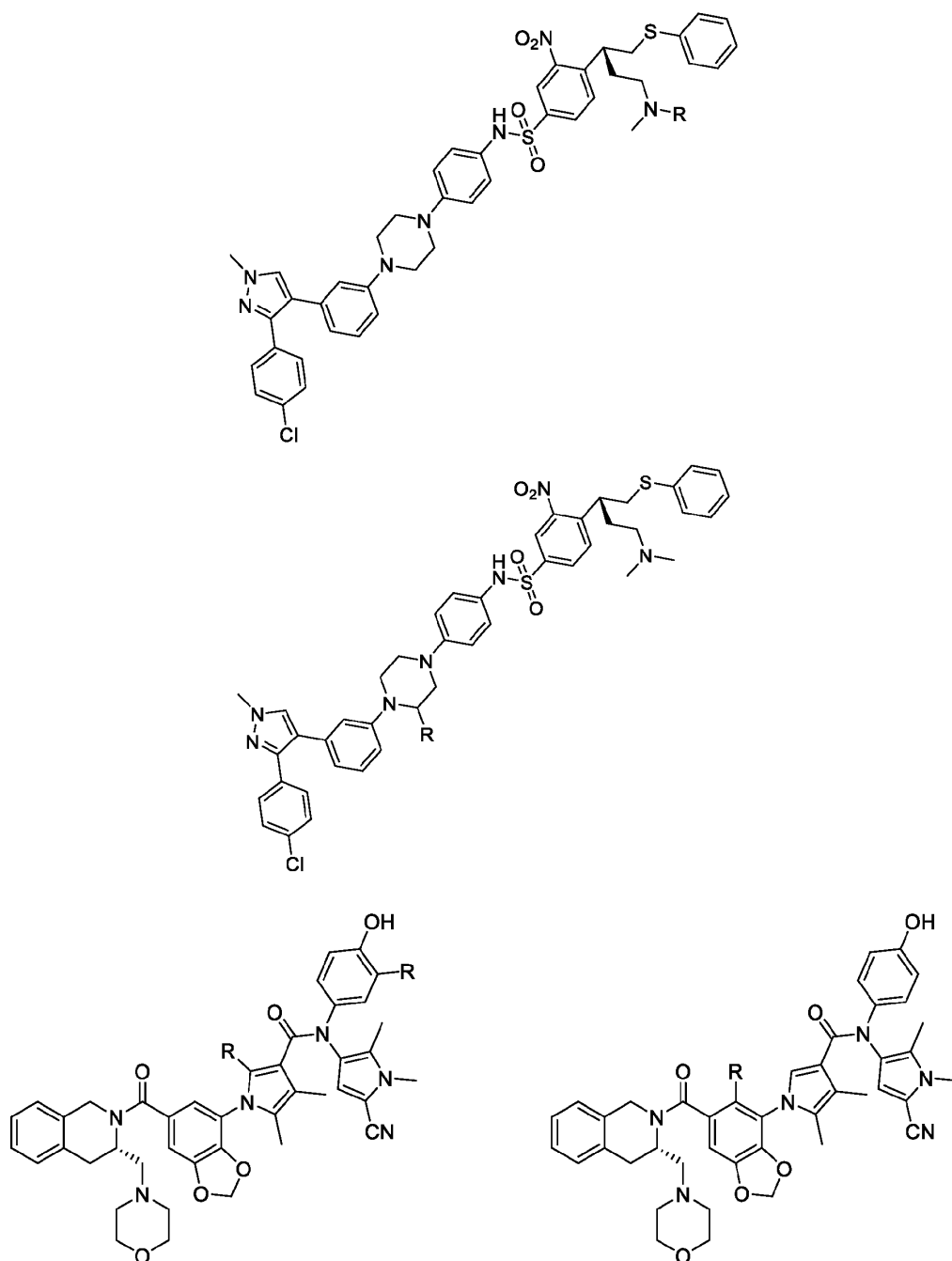


FIG. 2LL

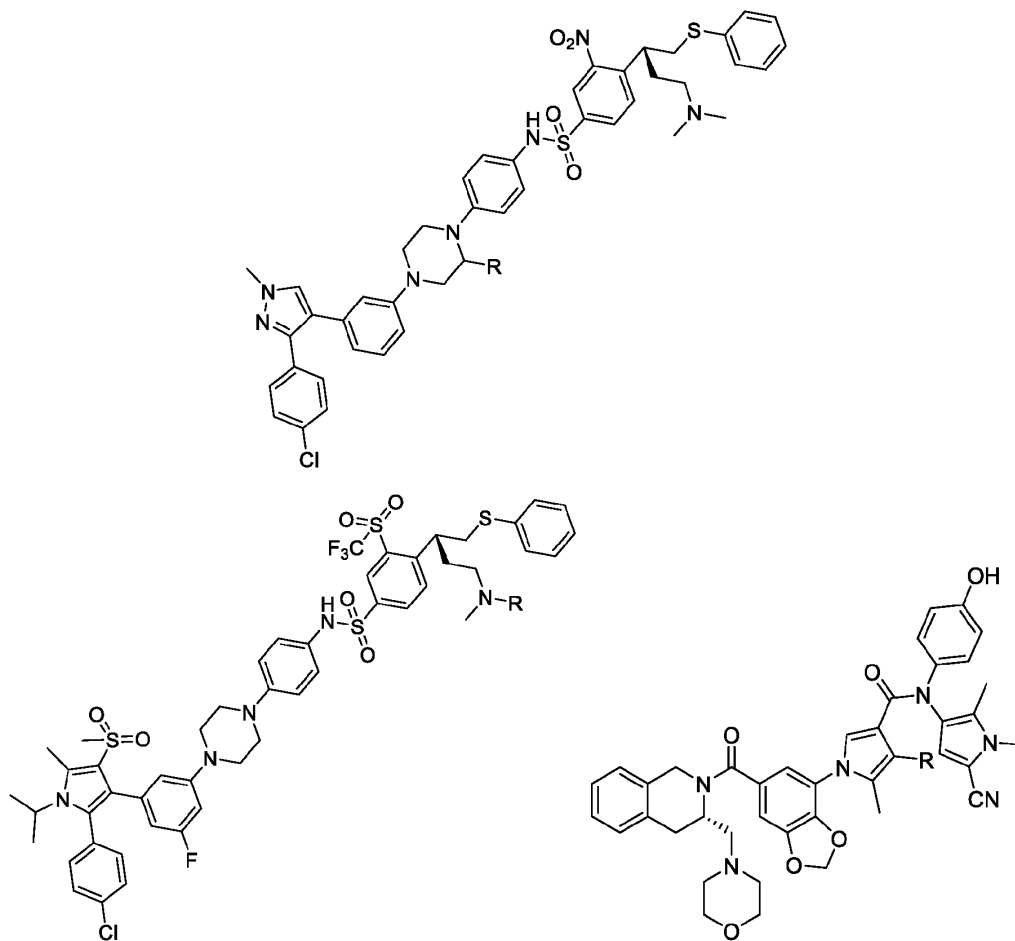


FIG. 2MM

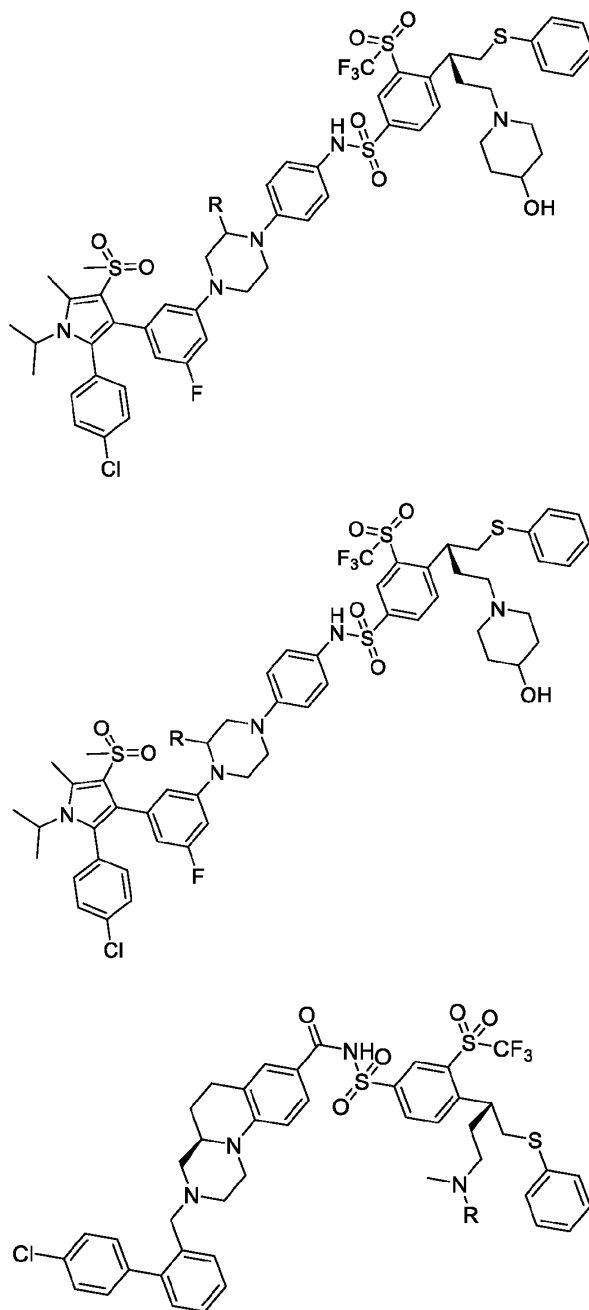


FIG. 2NN

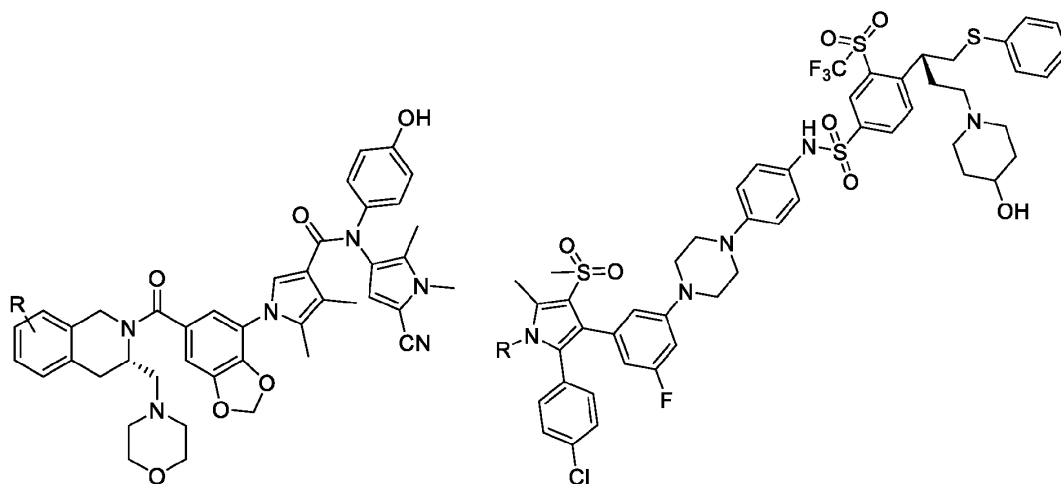


FIG. 200

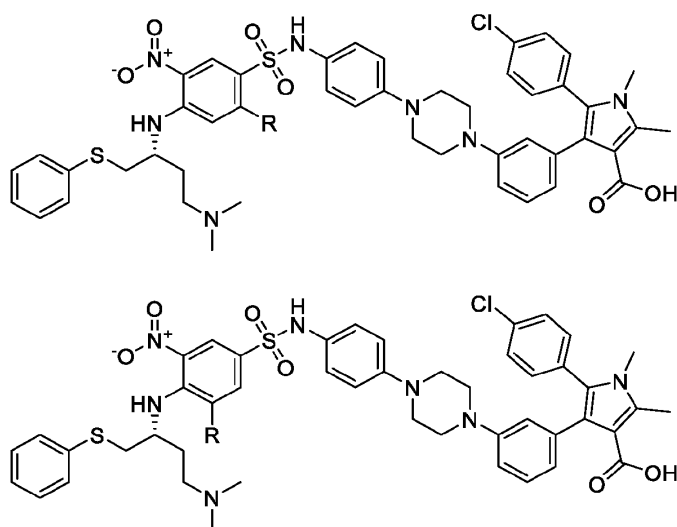




FIG. 2PP

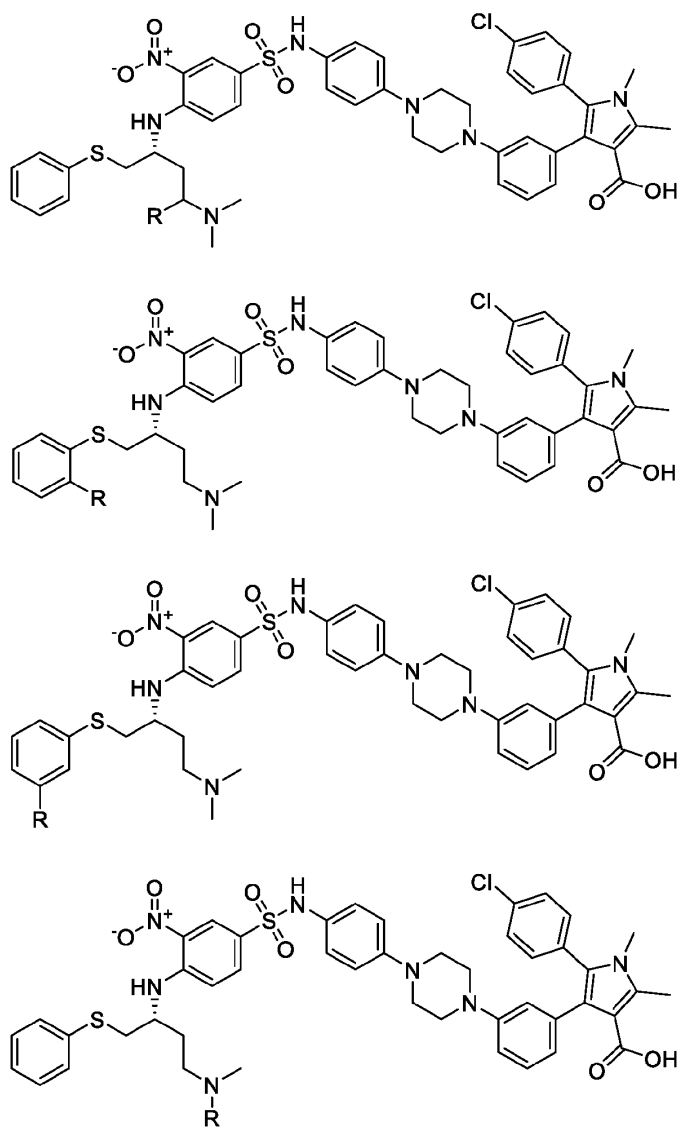


FIG. 2QQ

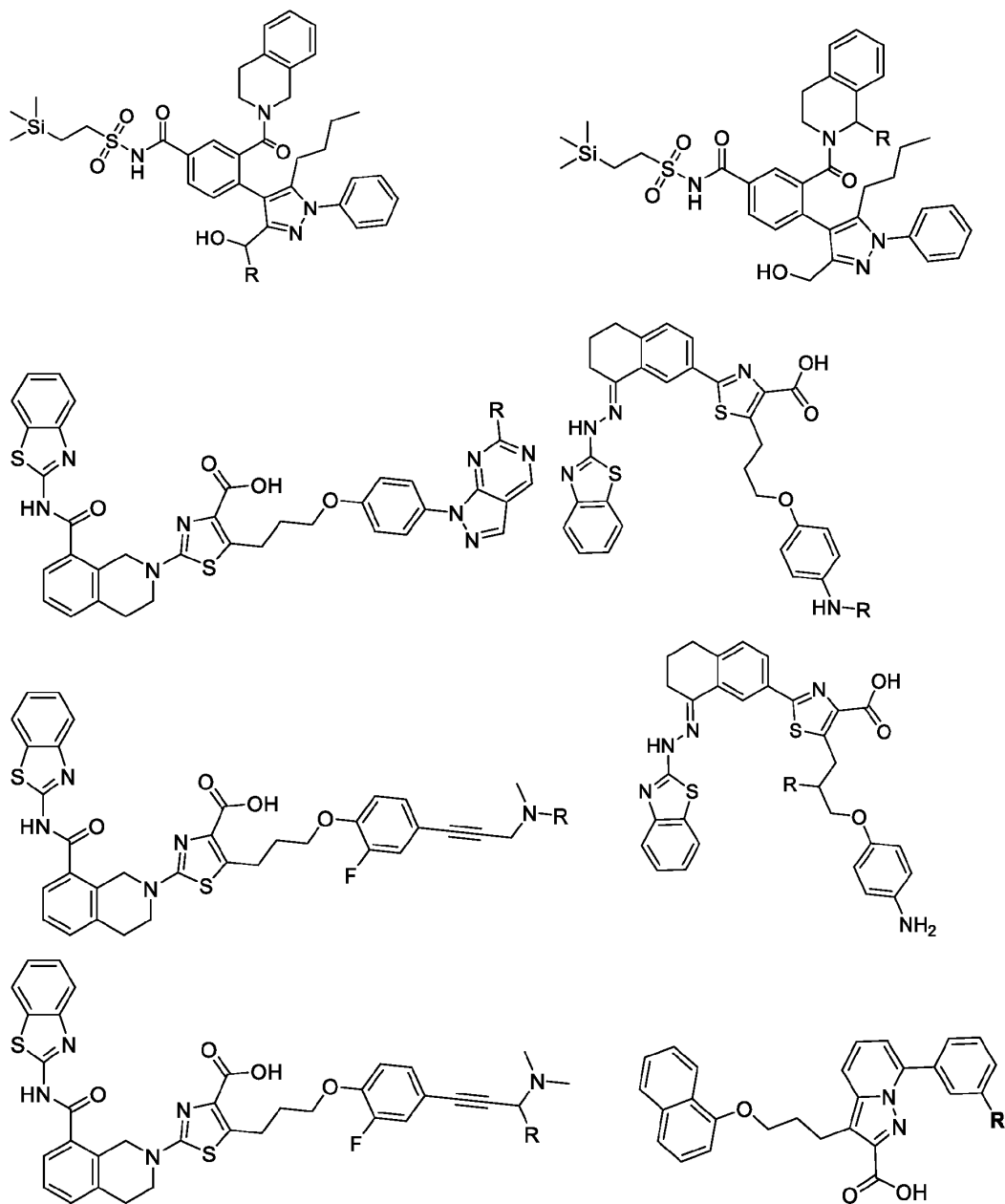


FIG. 2RR

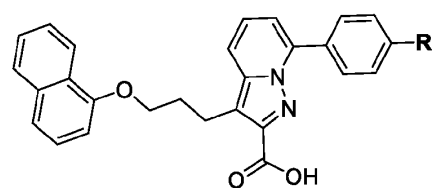
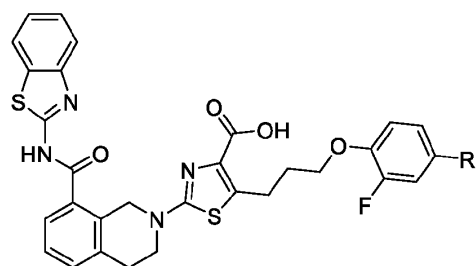
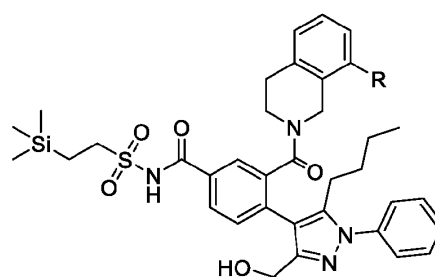
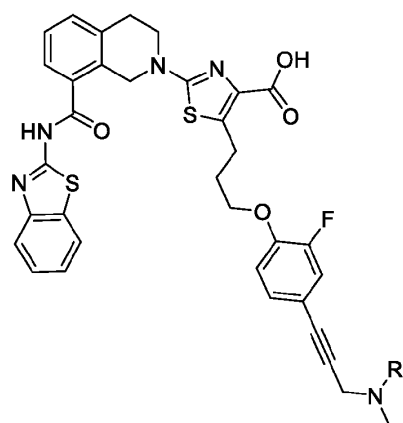
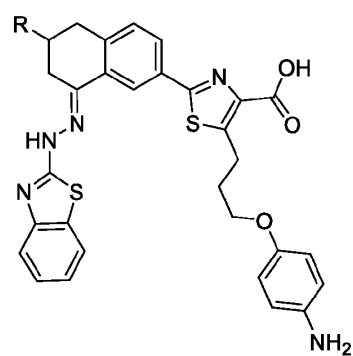
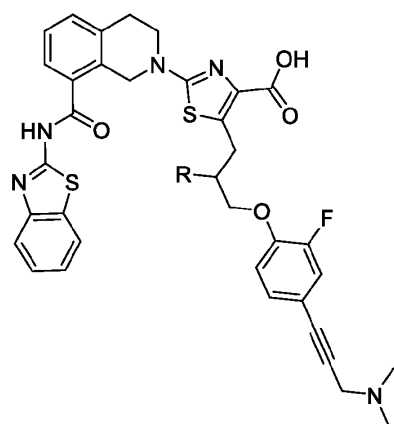


FIG. 2SS

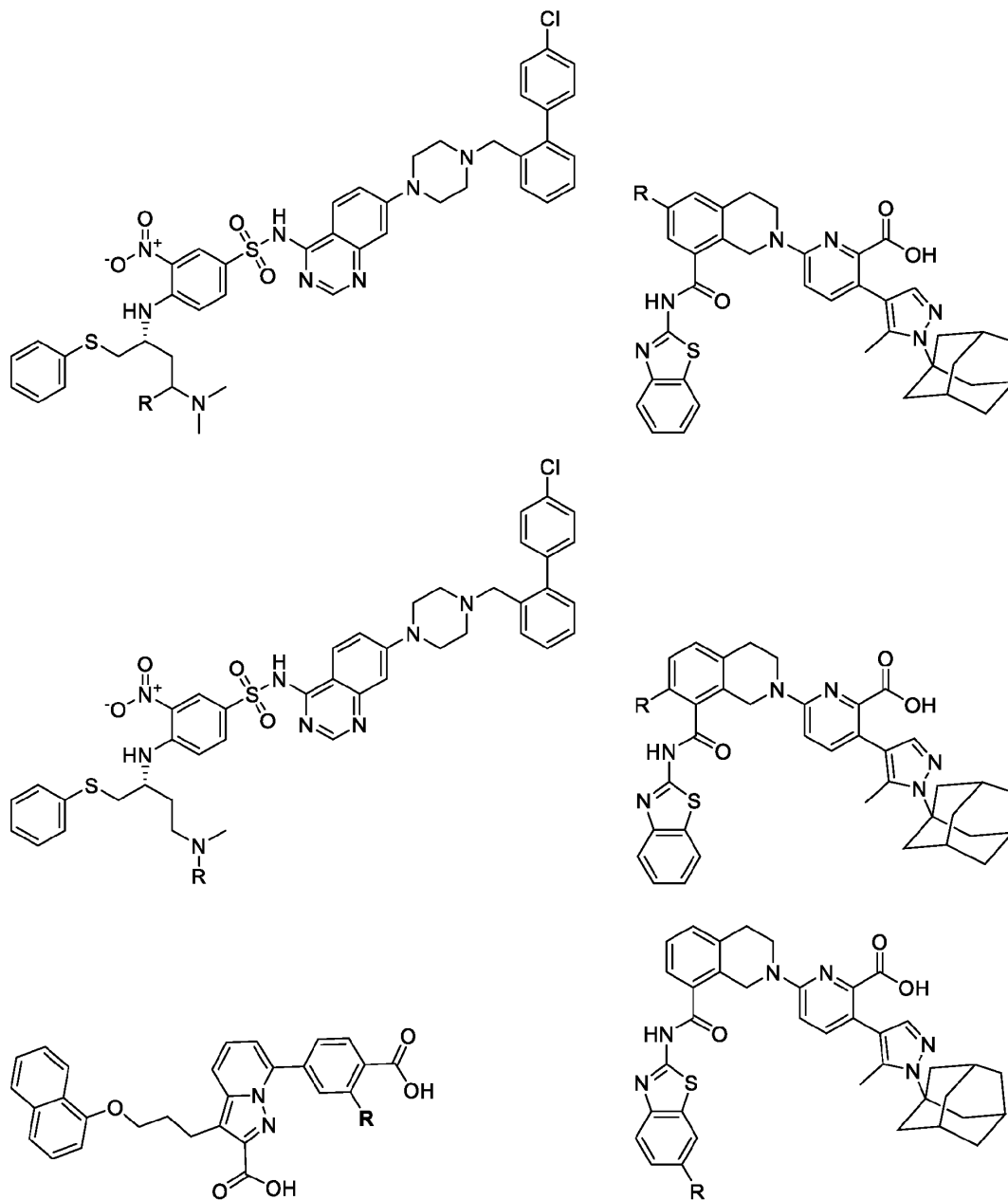


FIG. 2TT

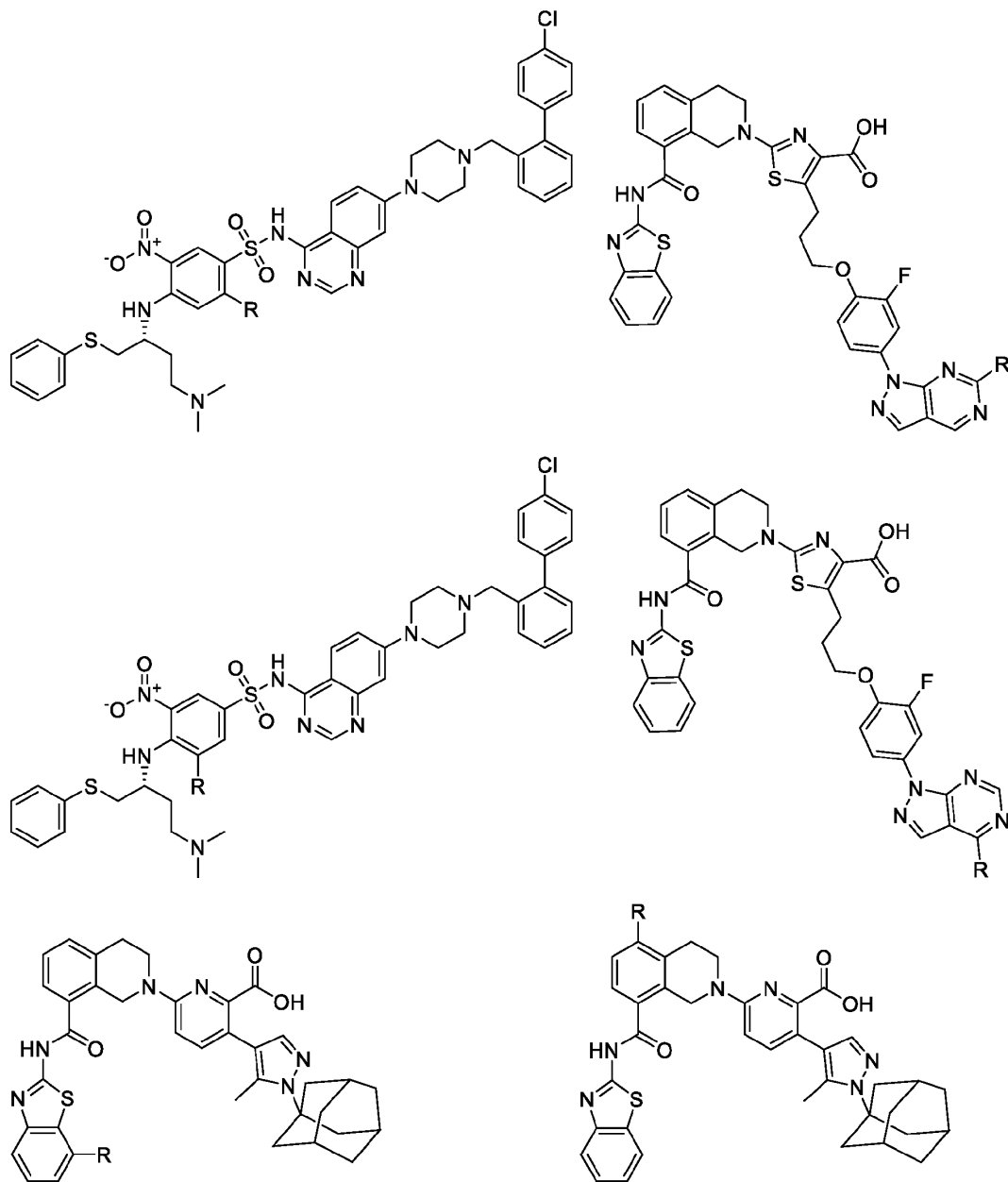


FIG. 2UU

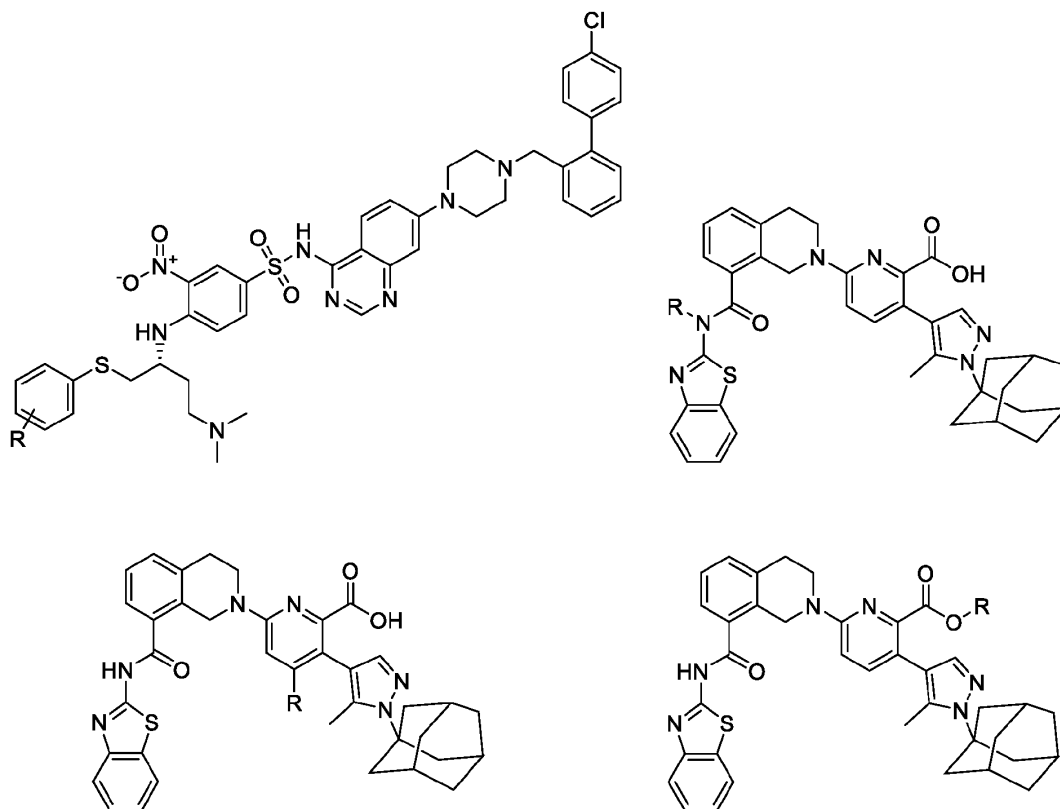


FIG. 2VV

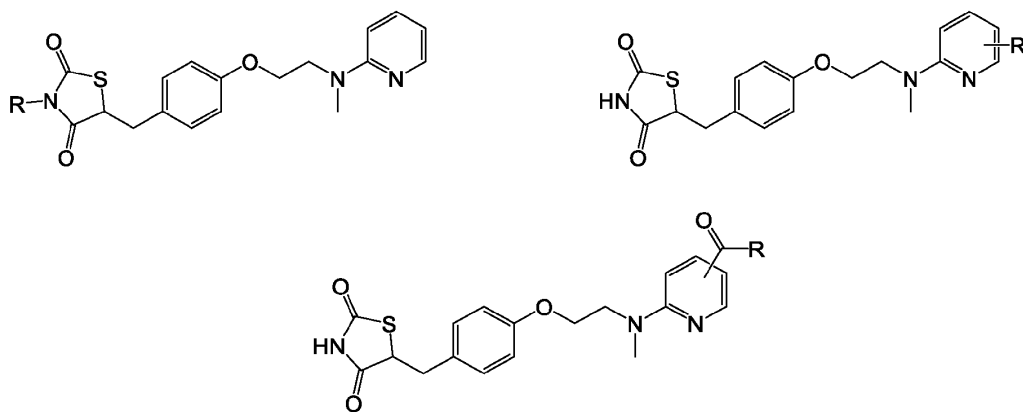


FIG. 2WW

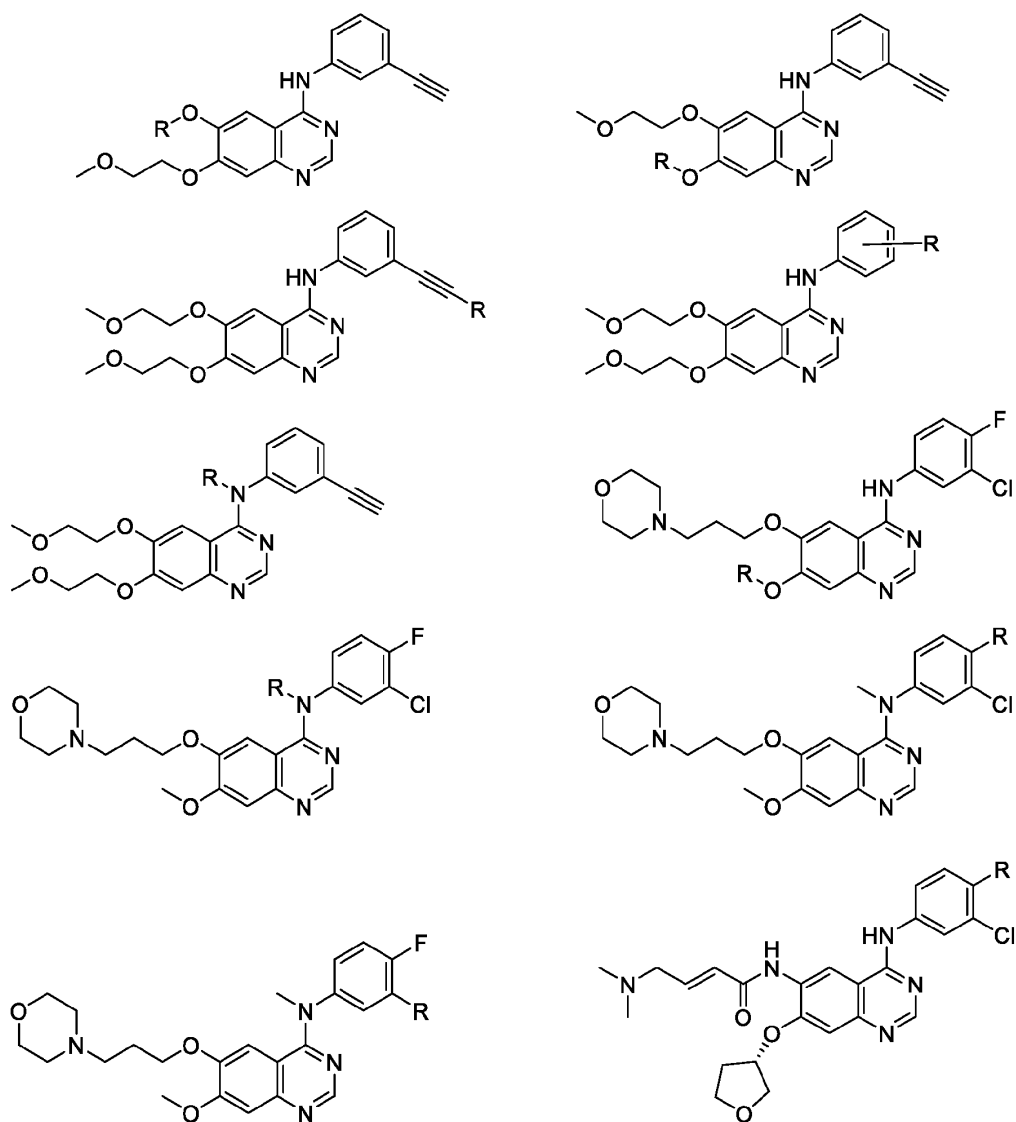


FIG. 2XX

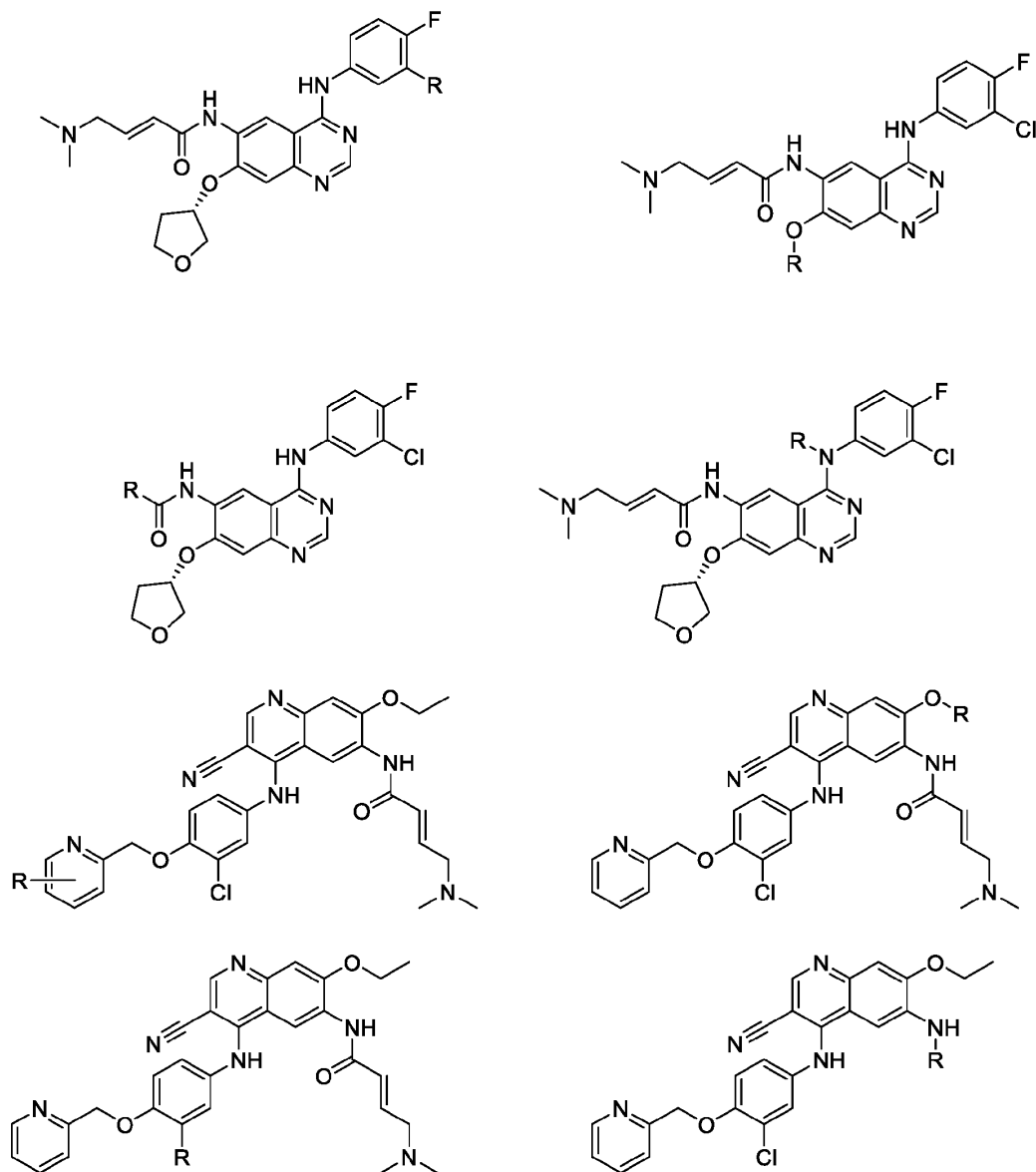




FIG. 2YY

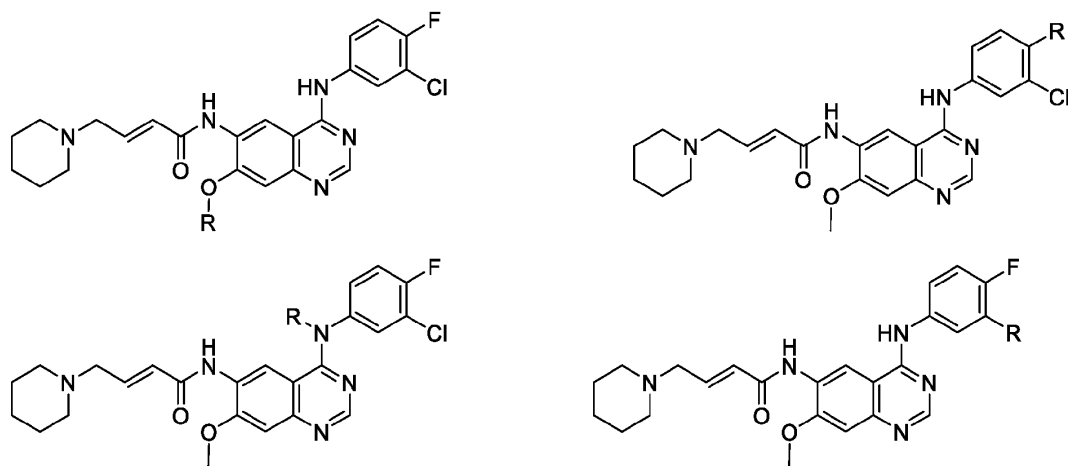


FIG. 2ZZ

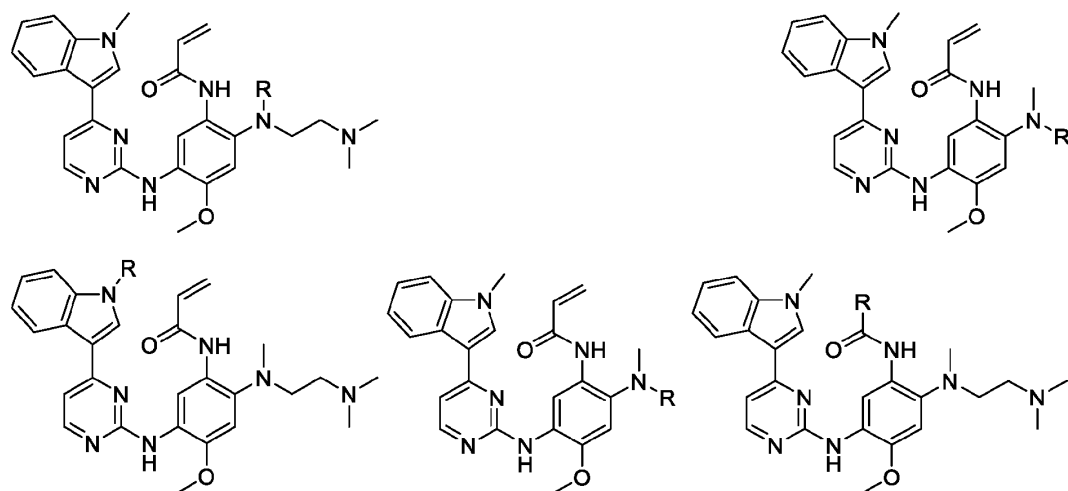


FIG. 2AAA

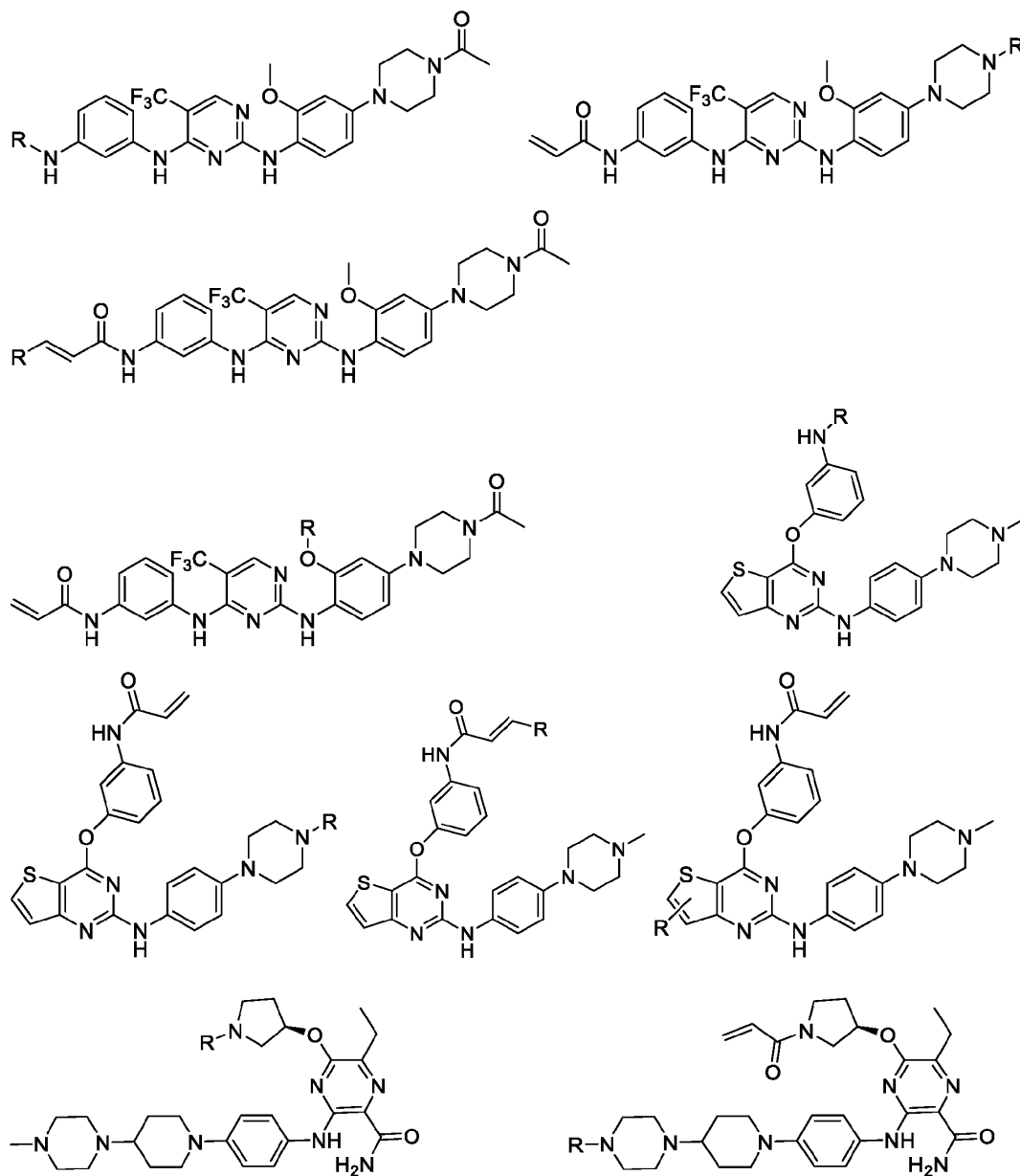


FIG. 2BBB

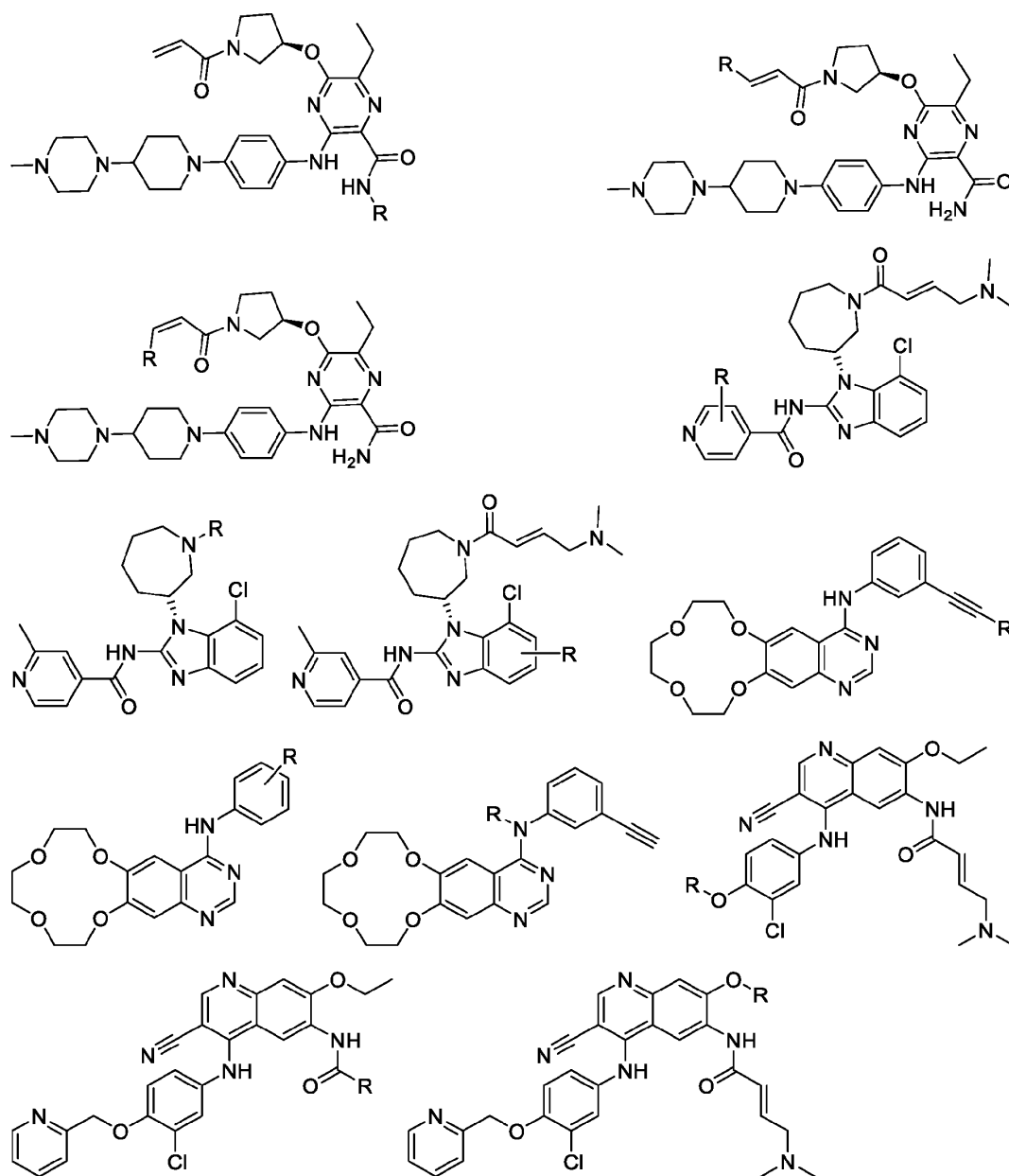


FIG. 2CCC

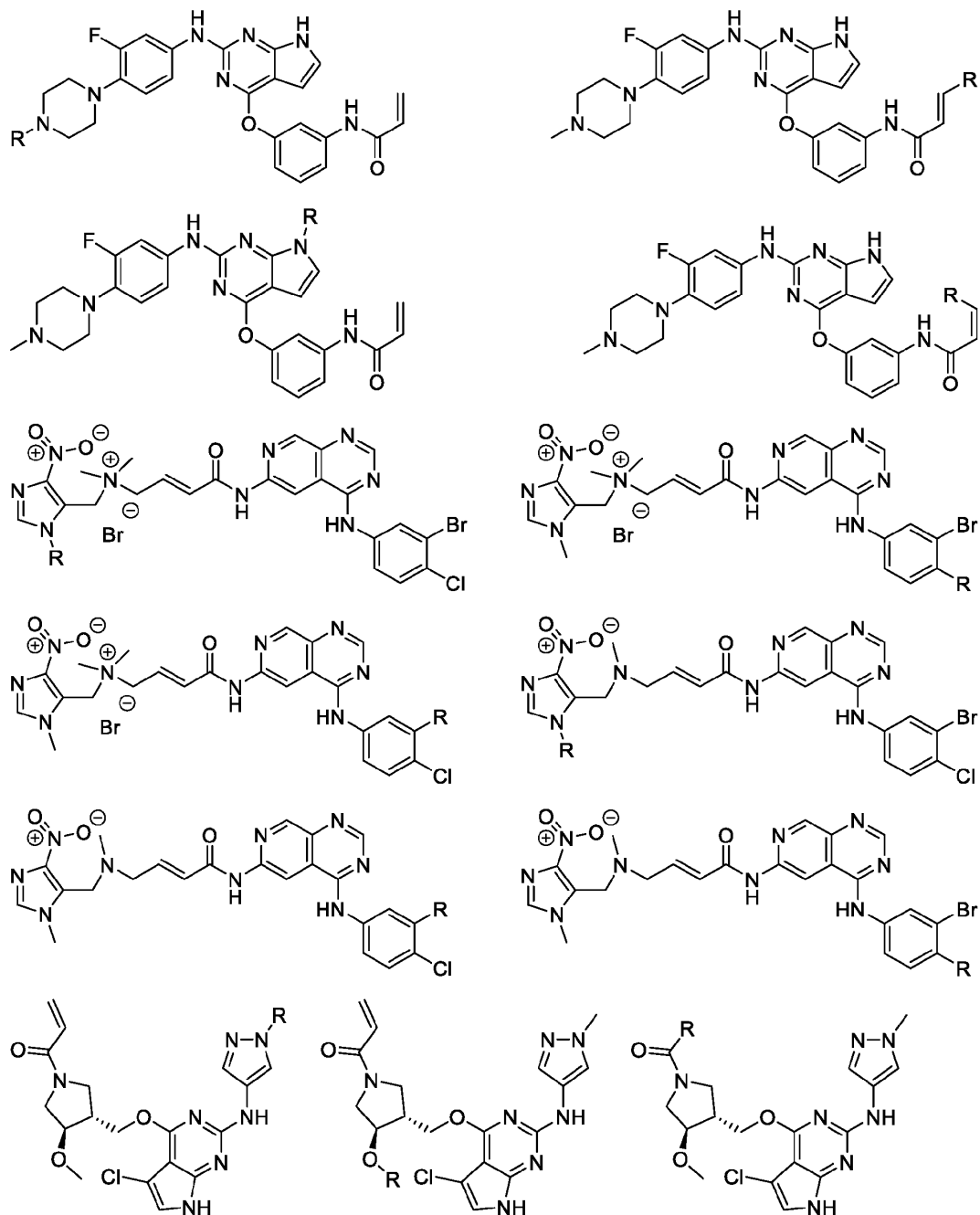


FIG. 2DDD

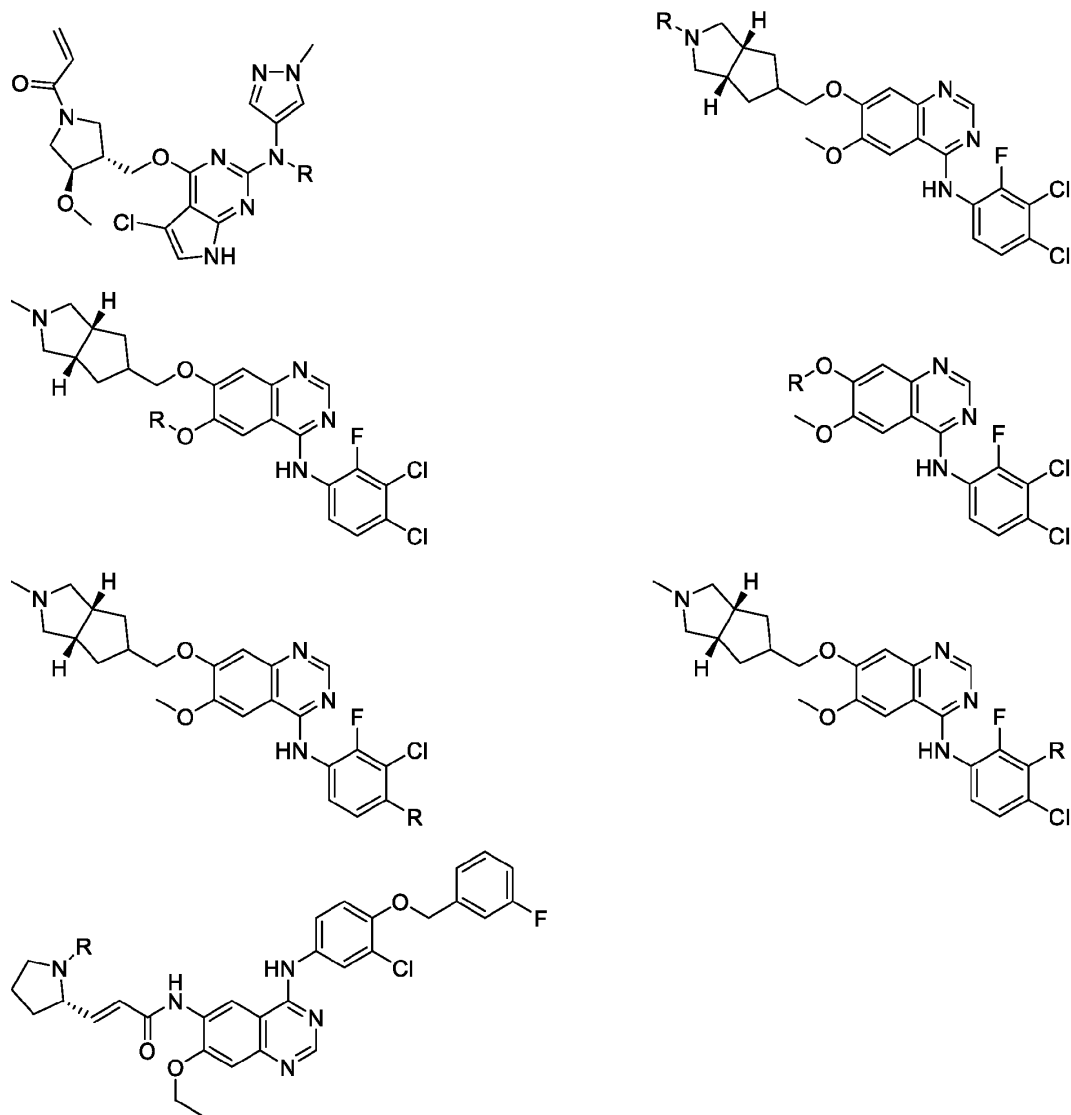


FIG. 2EEE

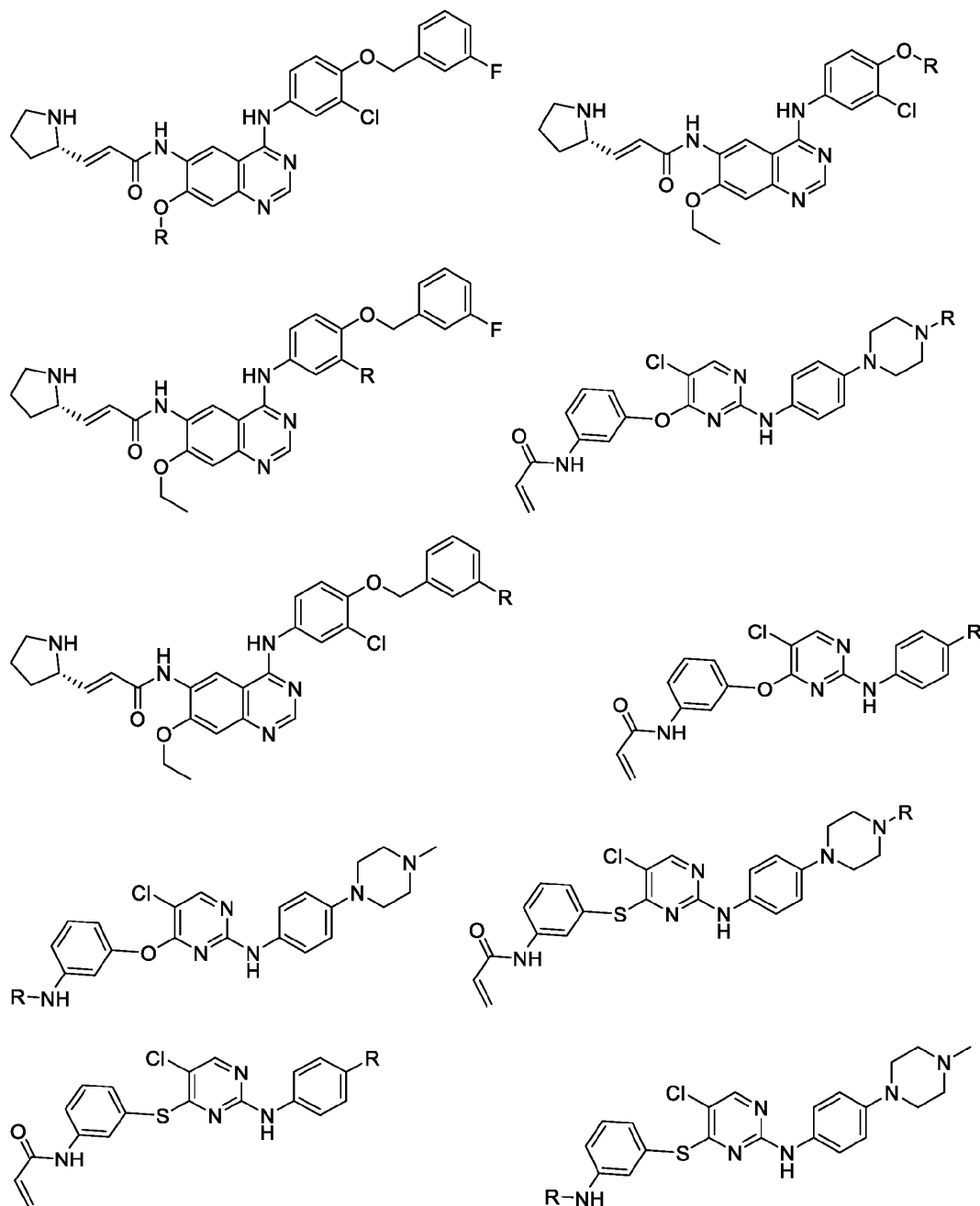


FIG. 2FFF

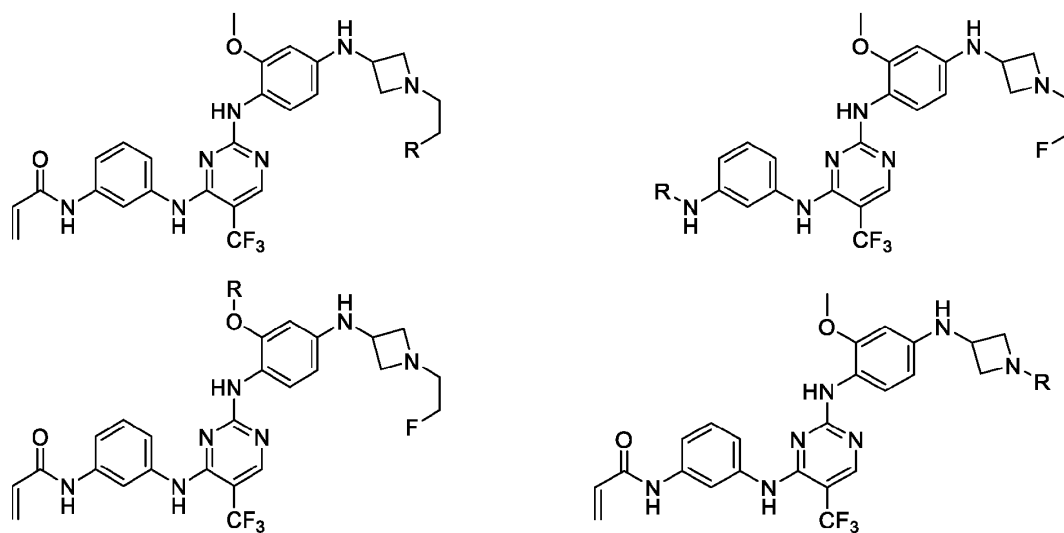


FIG. 2GGG

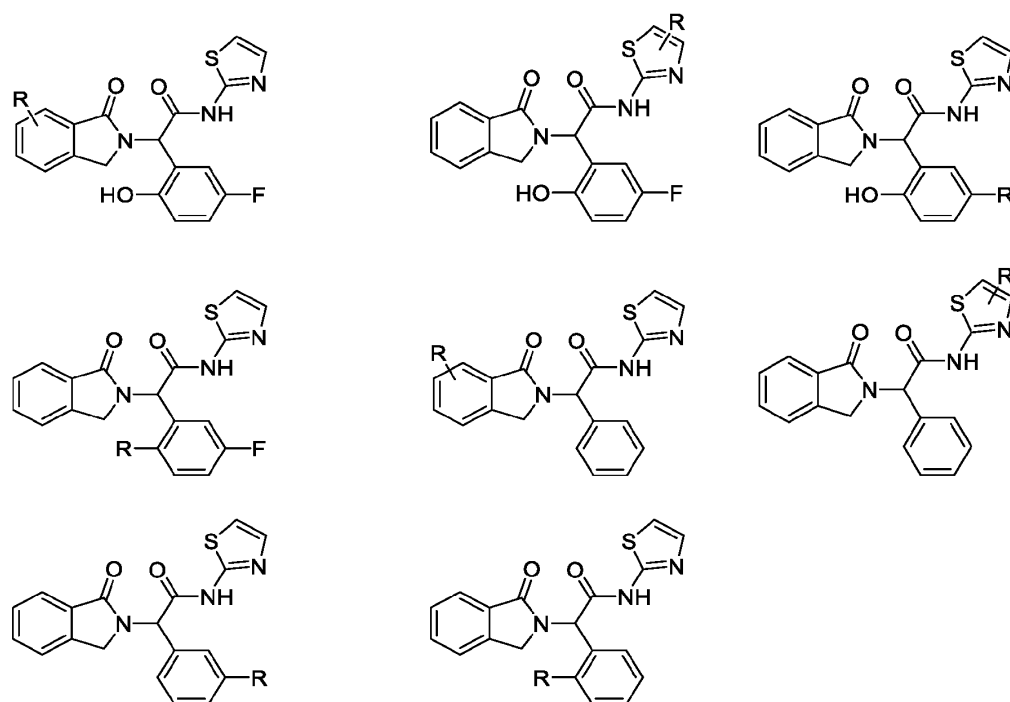
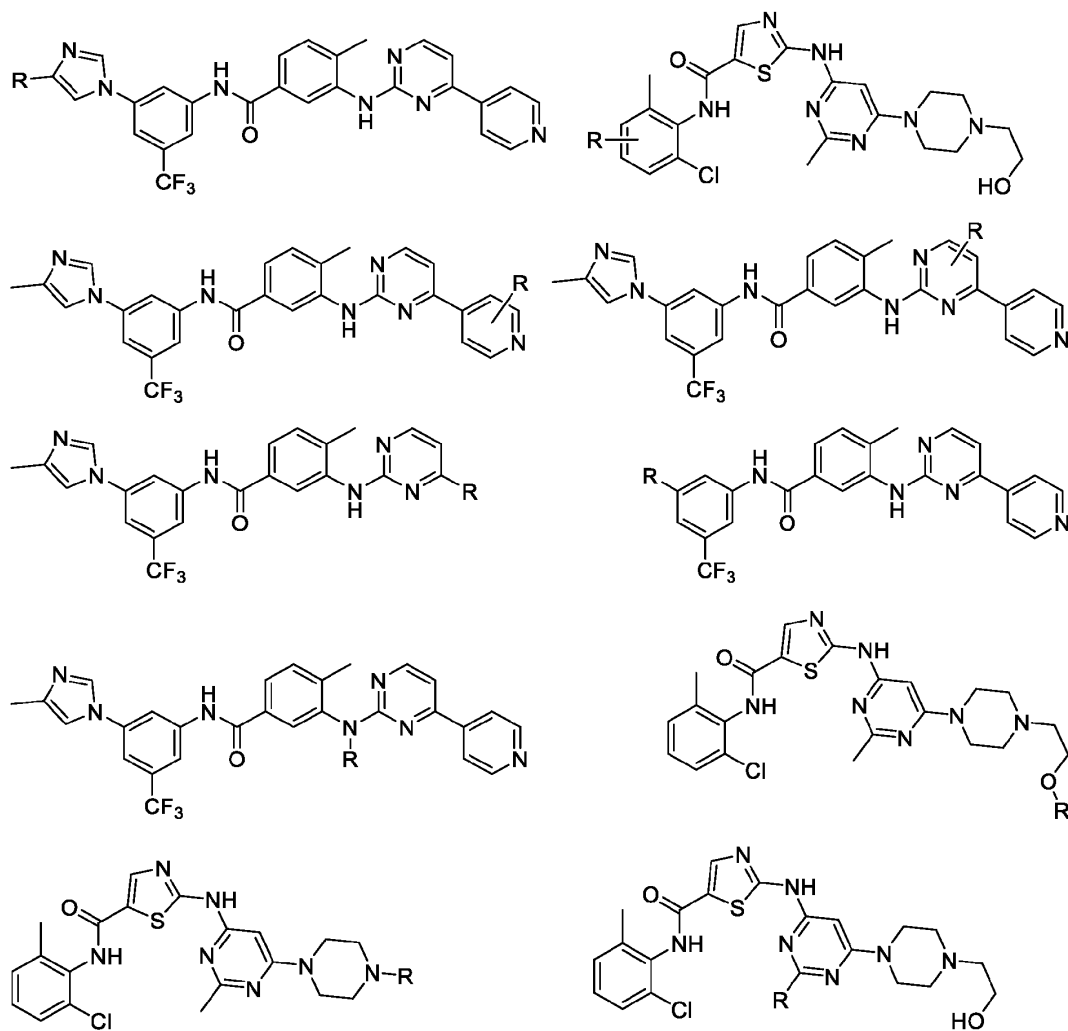


FIG. 2HHH





[illegible]

Chemical structures of two compounds, 1 and 2, which are substituted pyrimidines. Both structures feature a central pyrimidine ring substituted with a 4-chlorophenyl group, a 4-isopropoxyphenyl group, and a 4-isopropylphenyl group. The left structure (1) has an R group on the nitrogen of the piperidine ring, while the right structure (2) has a hydrogen atom on the nitrogen.

FIG. 2KKK

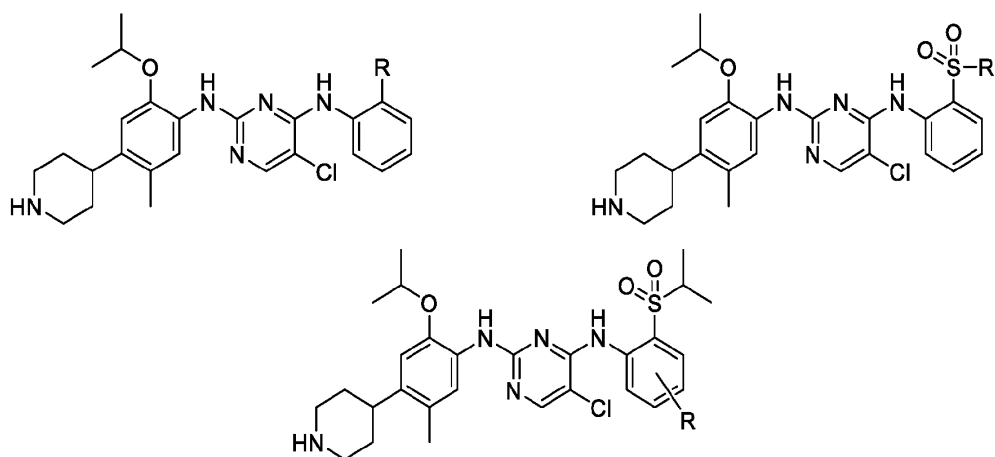


FIG. 2LLL

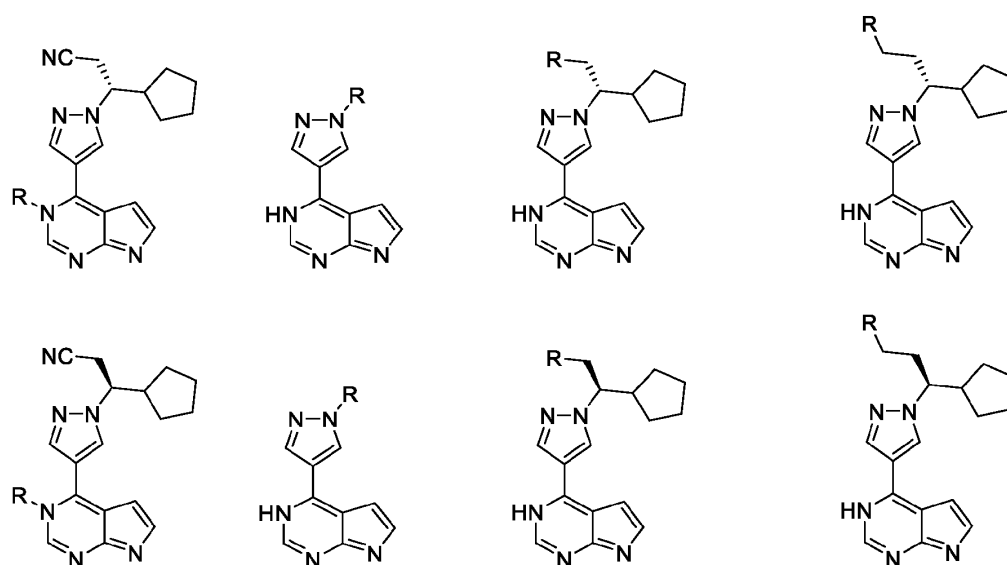


FIG. 2MMM

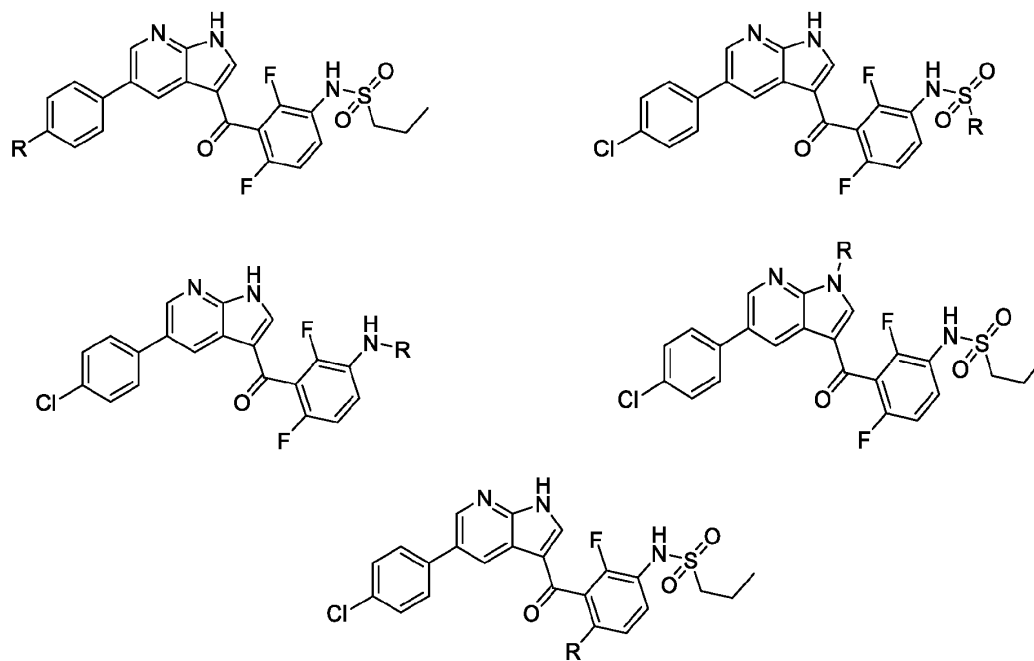


FIG. 2NNN

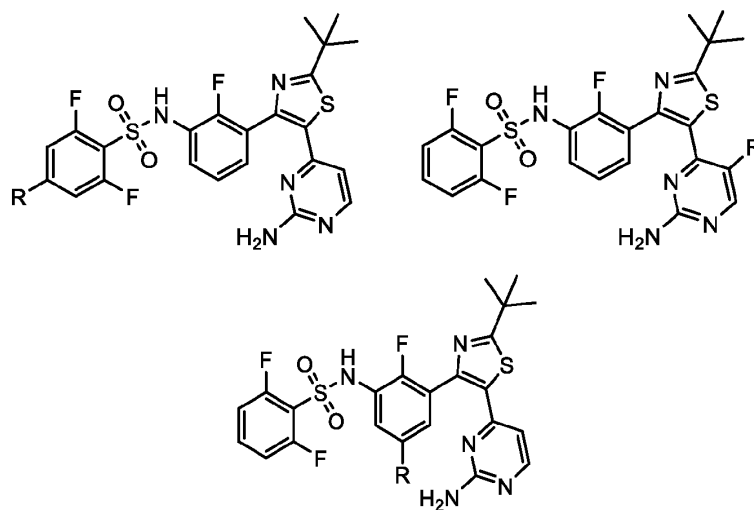


FIG. 2000

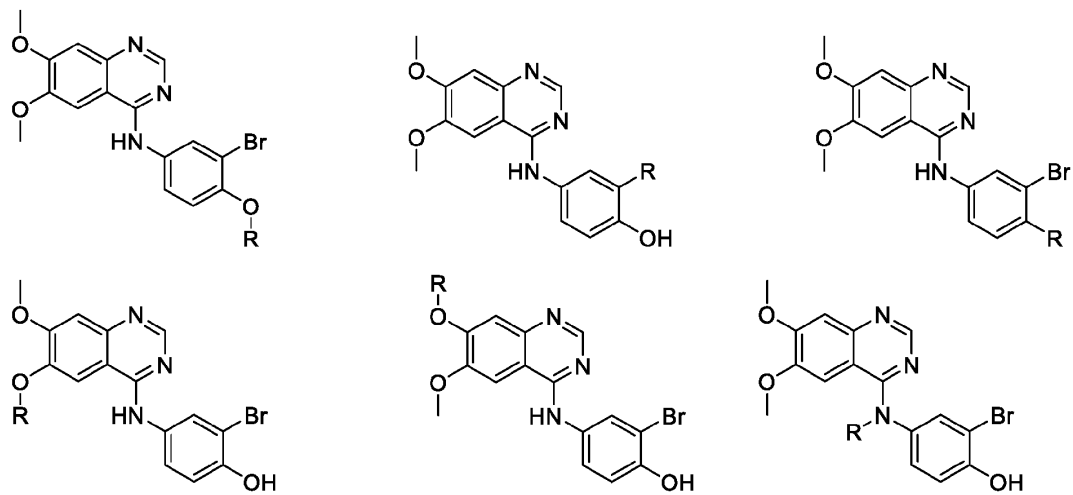


FIG. 2PPP

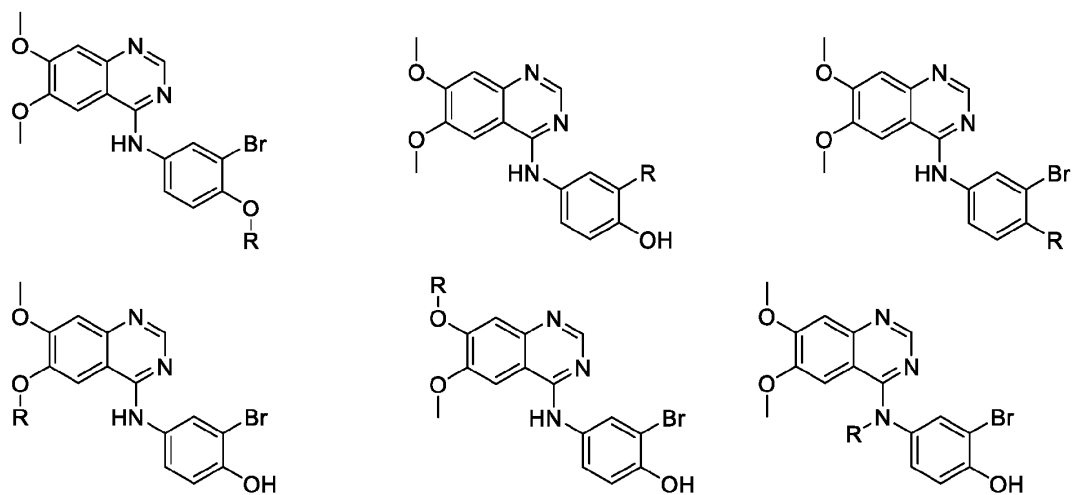


FIG. 2QQQ

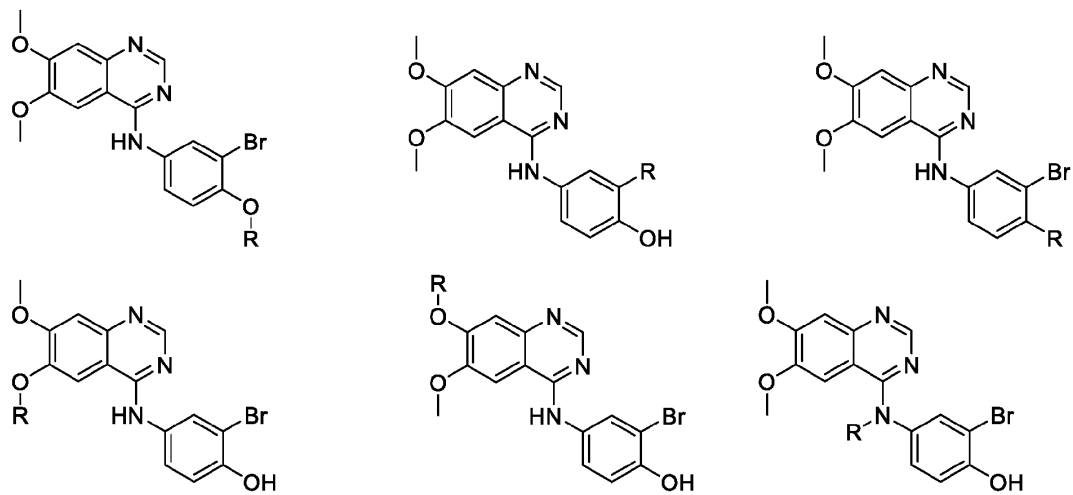


FIG. 2RRR

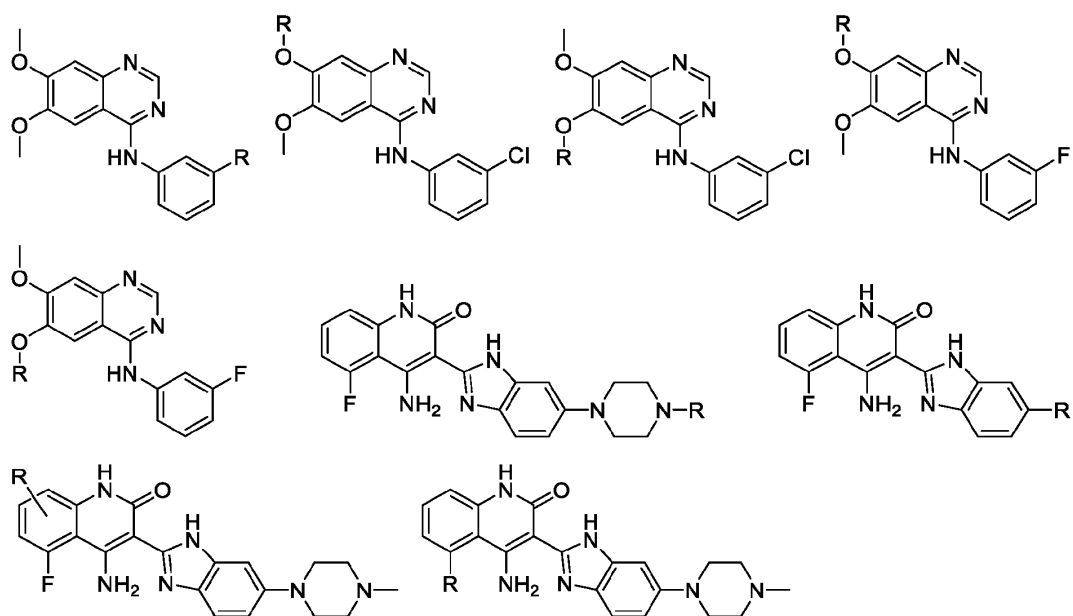


FIG. 2SSS

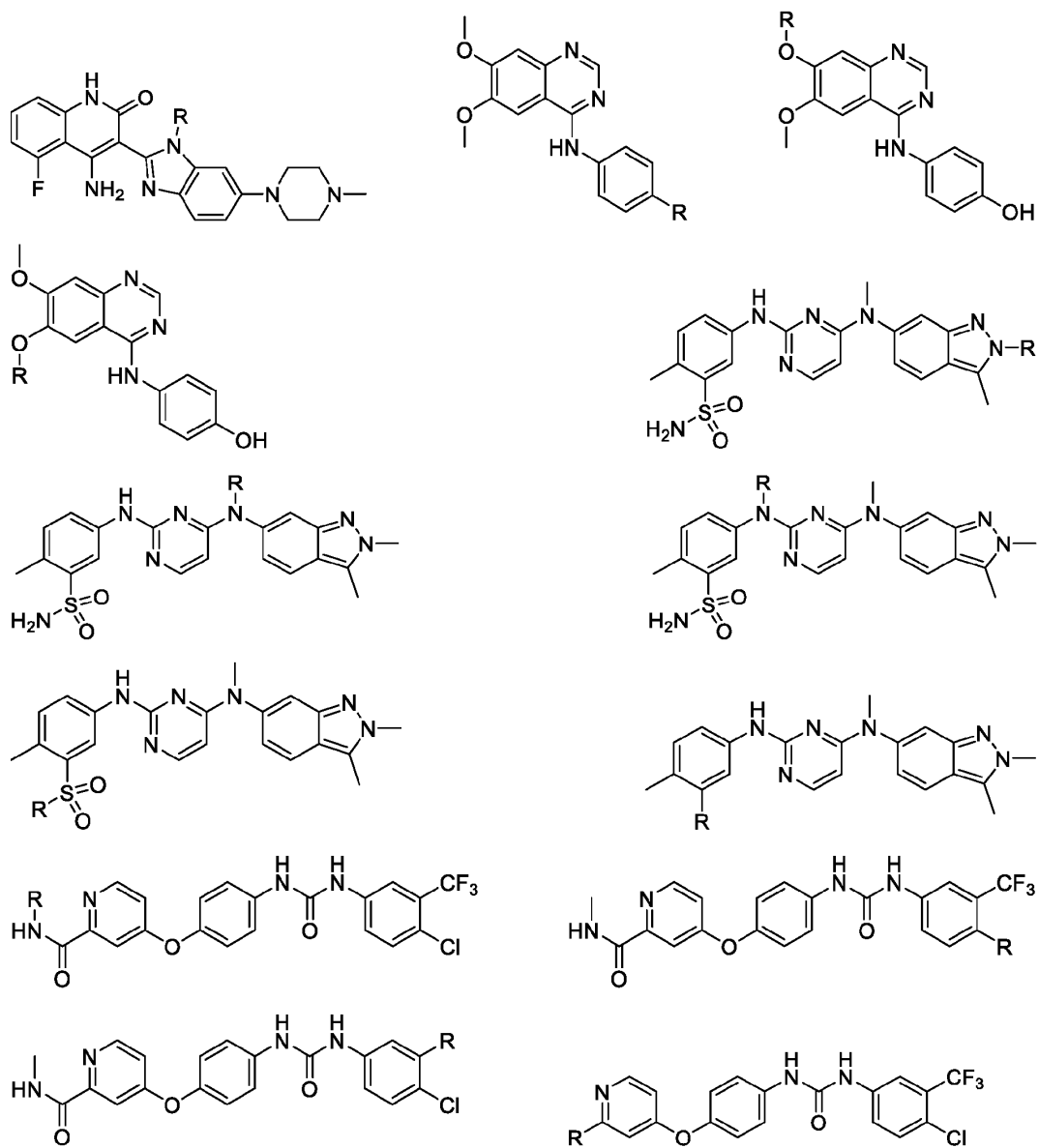


FIG. 2TTT

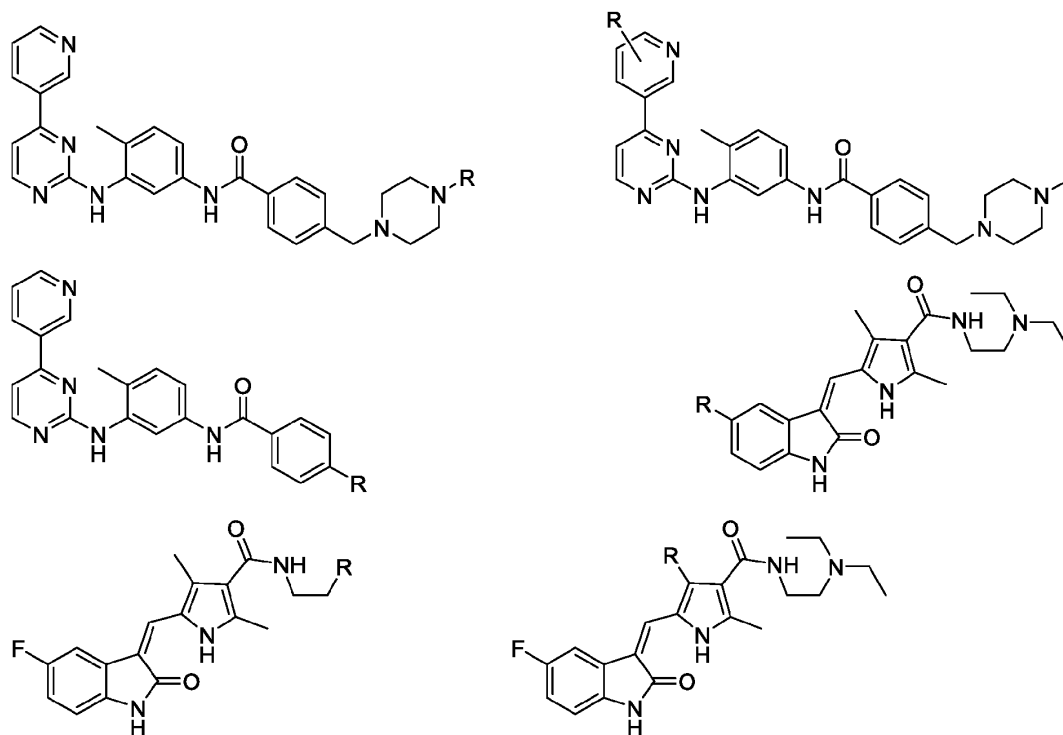


FIG. 2UUU

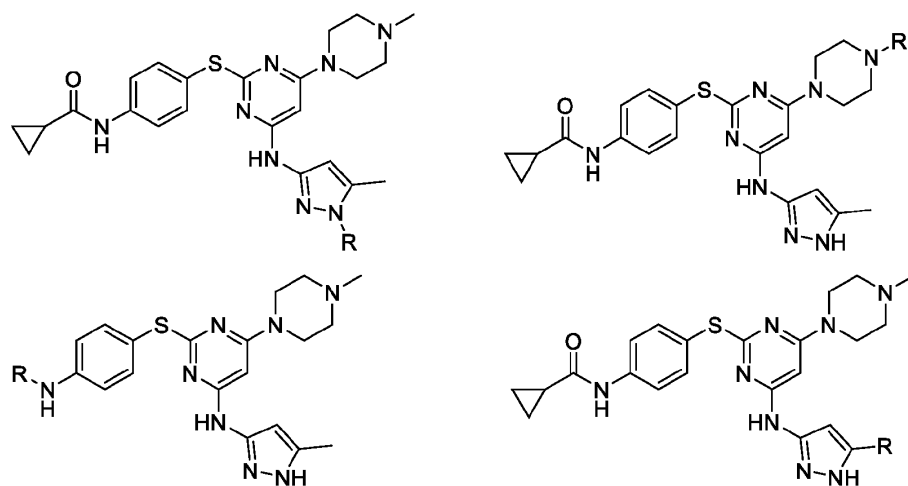


FIG. 2VVV

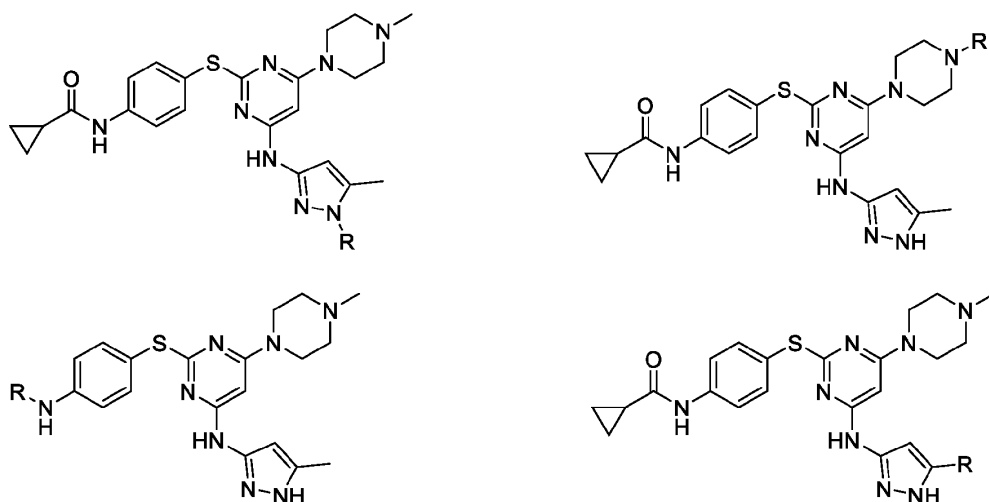


FIG. 2WWW

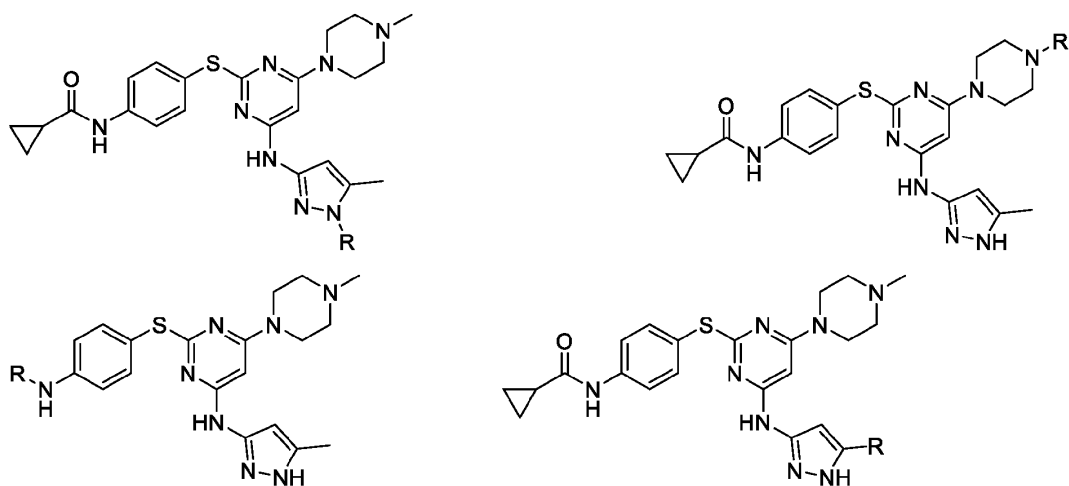




FIG. 2XXX

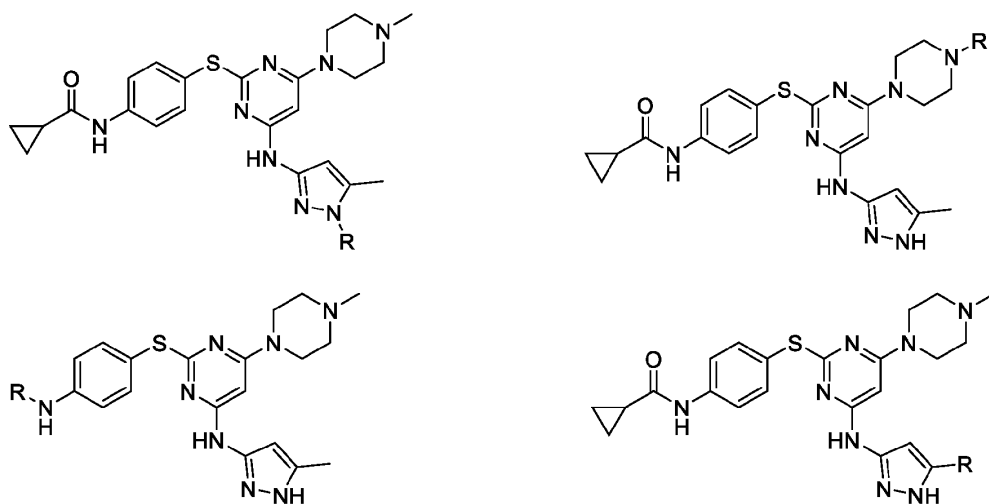


FIG. 2YYY

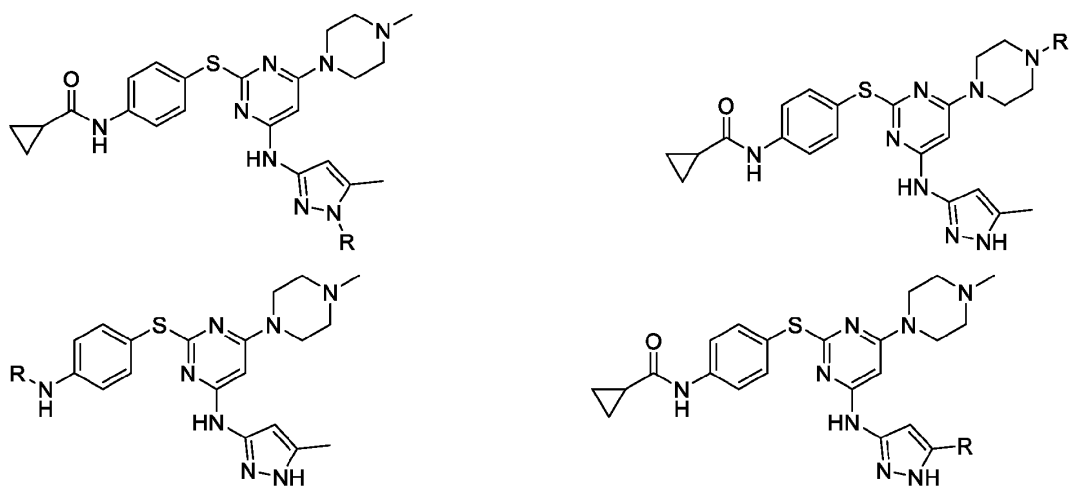


FIG. 2ZZZ

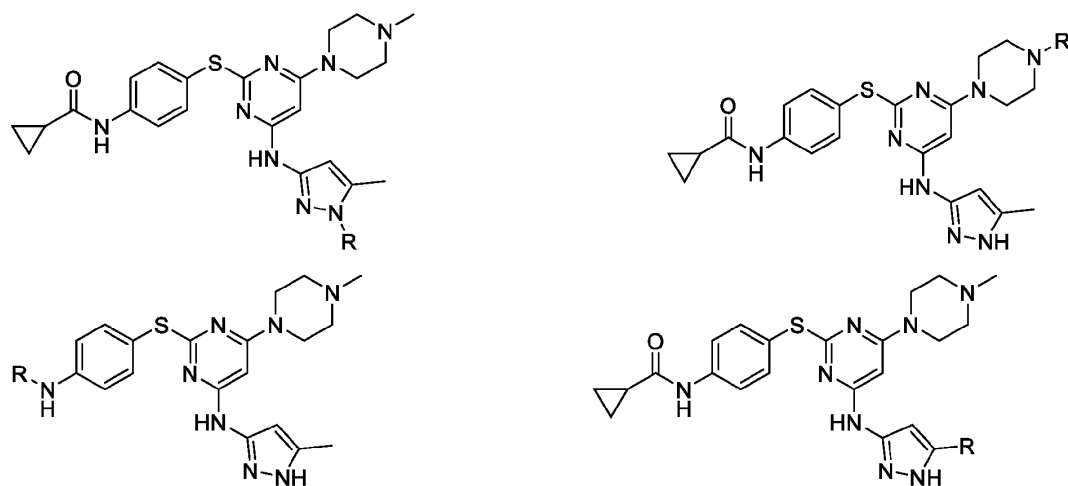


FIG. 2AAAA

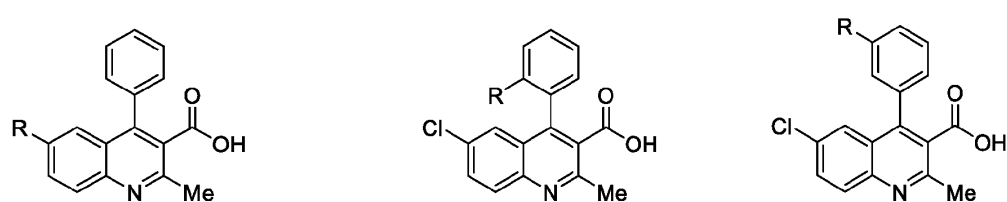


FIG. 2BBBB

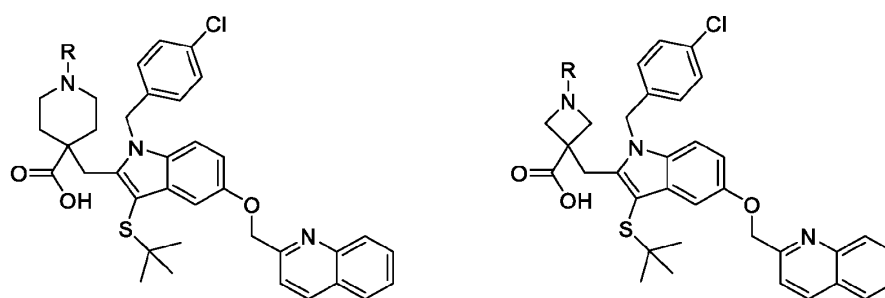


FIG. 2CCCC

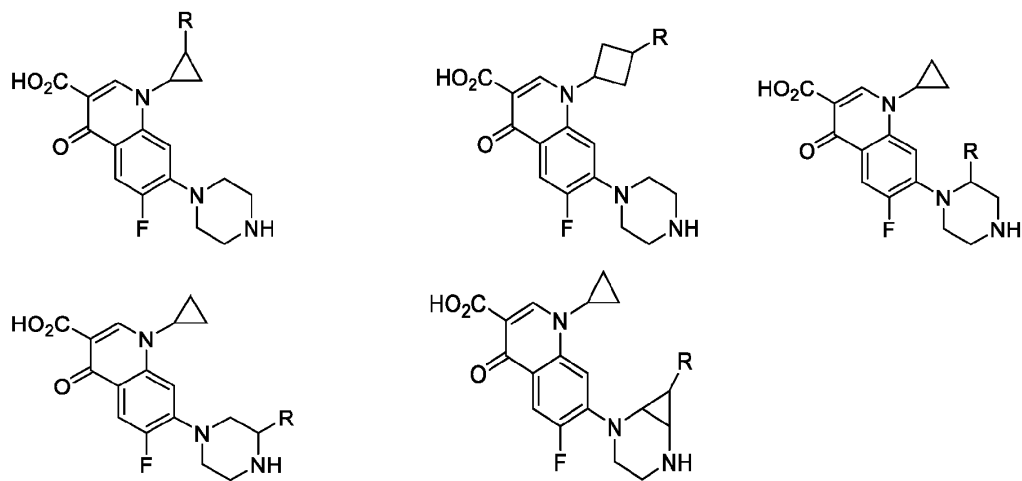


FIG. 2DDDD

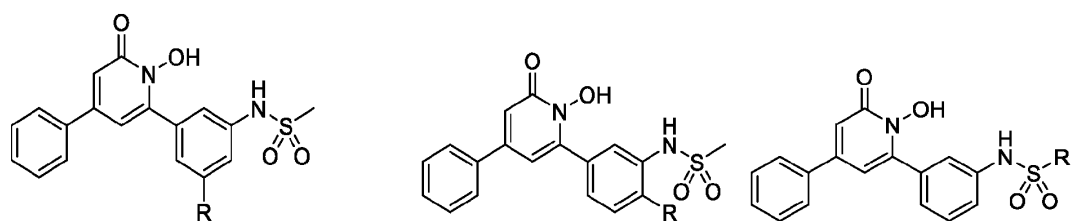


FIG. 2EEEE

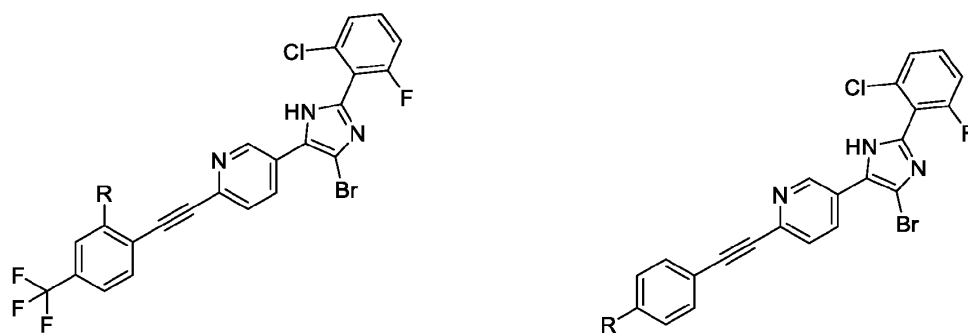


FIG. 2FFFF

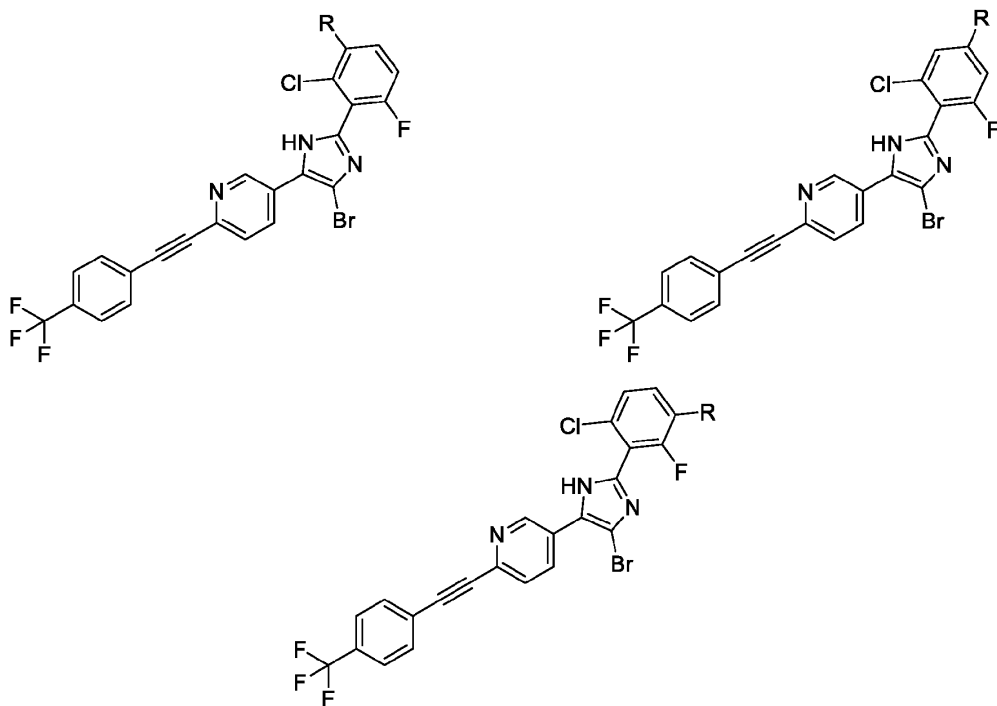


FIG. 2GGGG

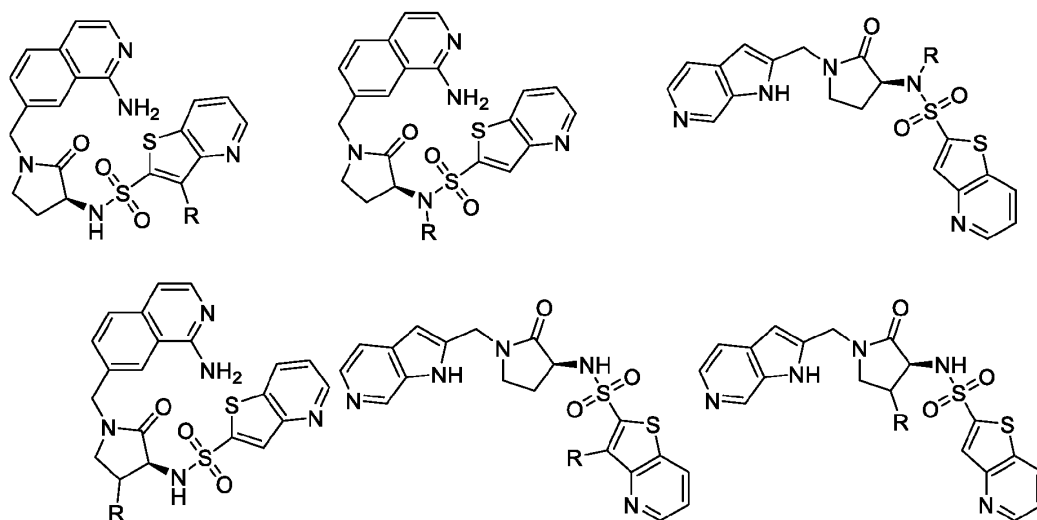


FIG. 2HHHH

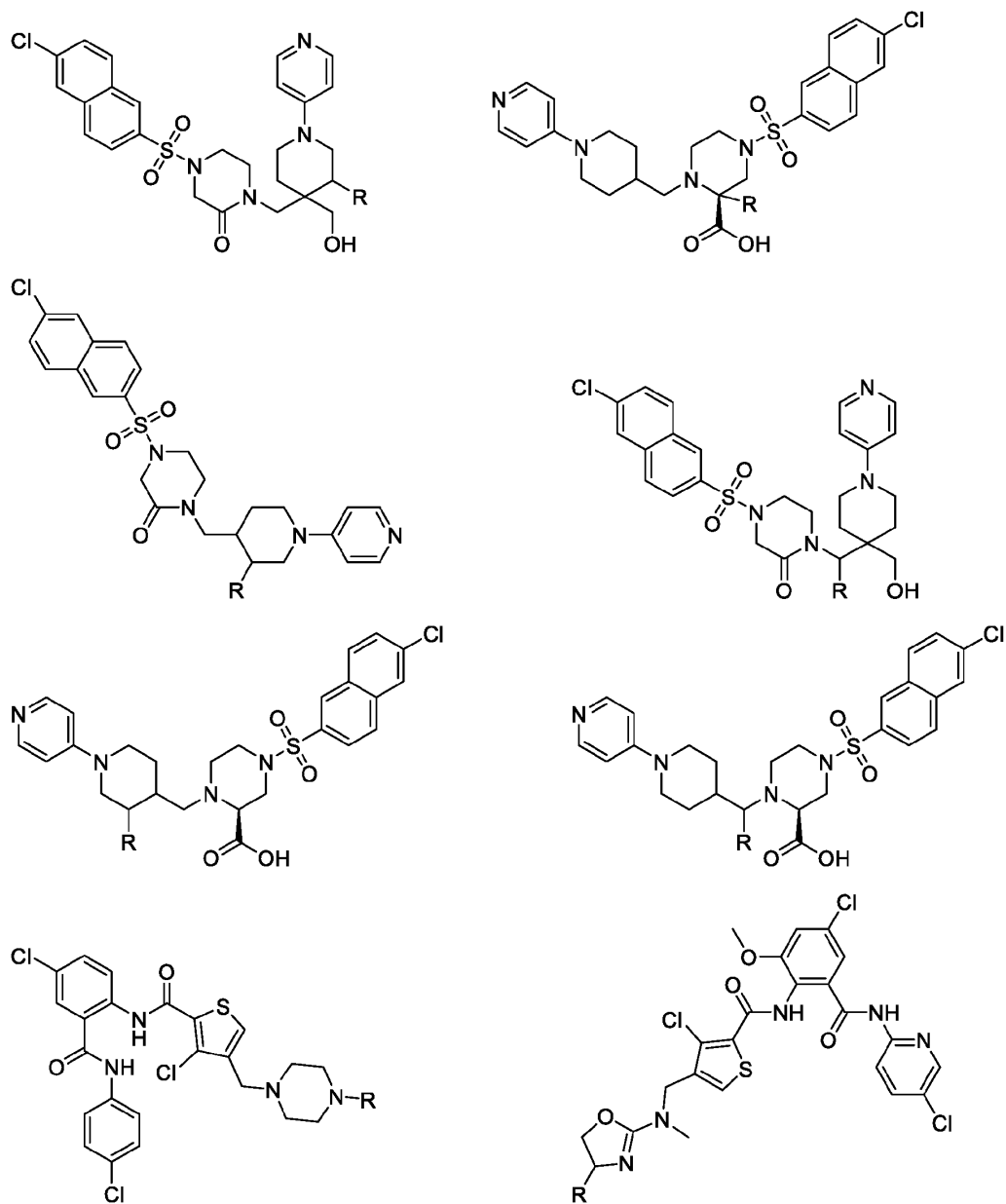


FIG. 2IIII

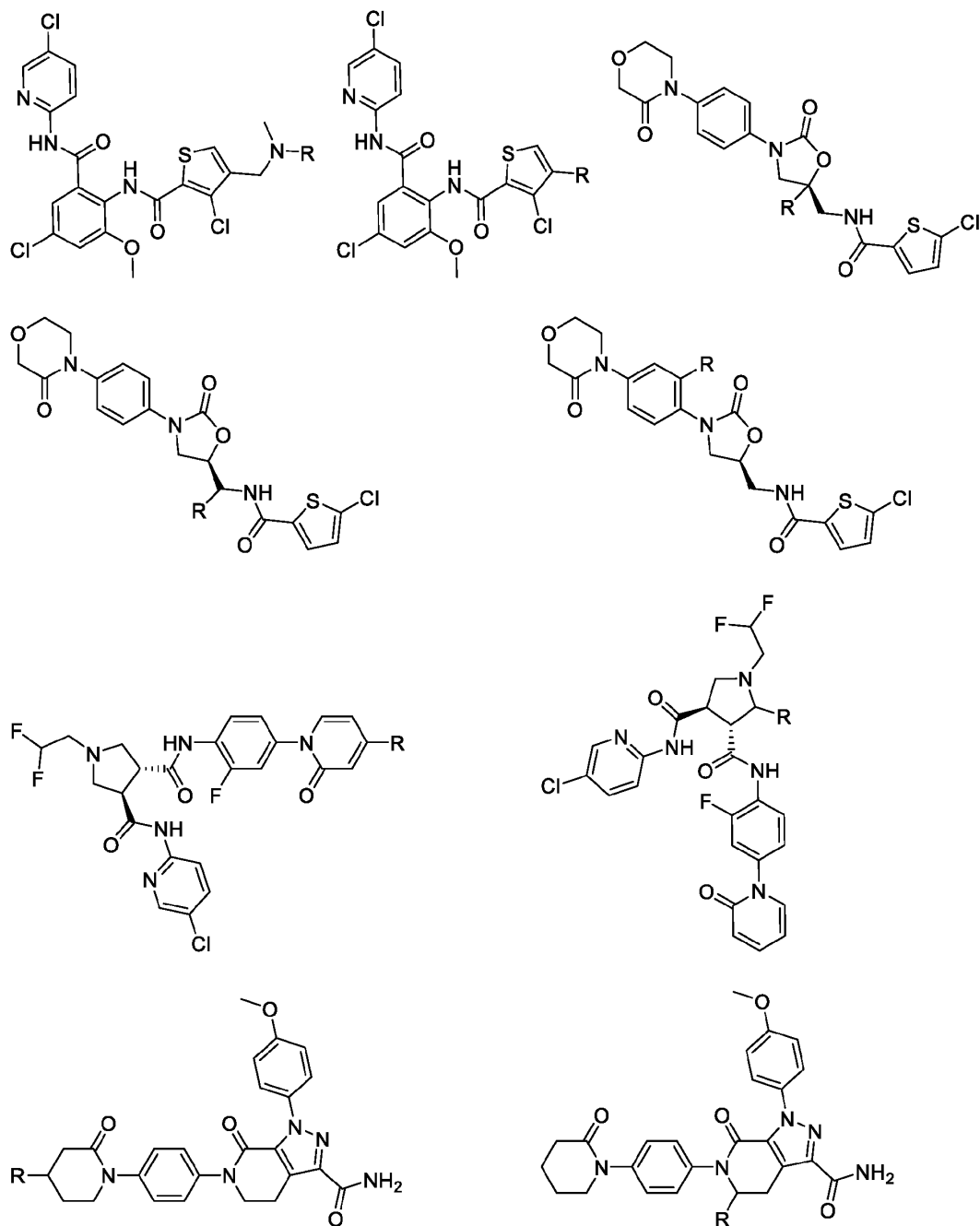
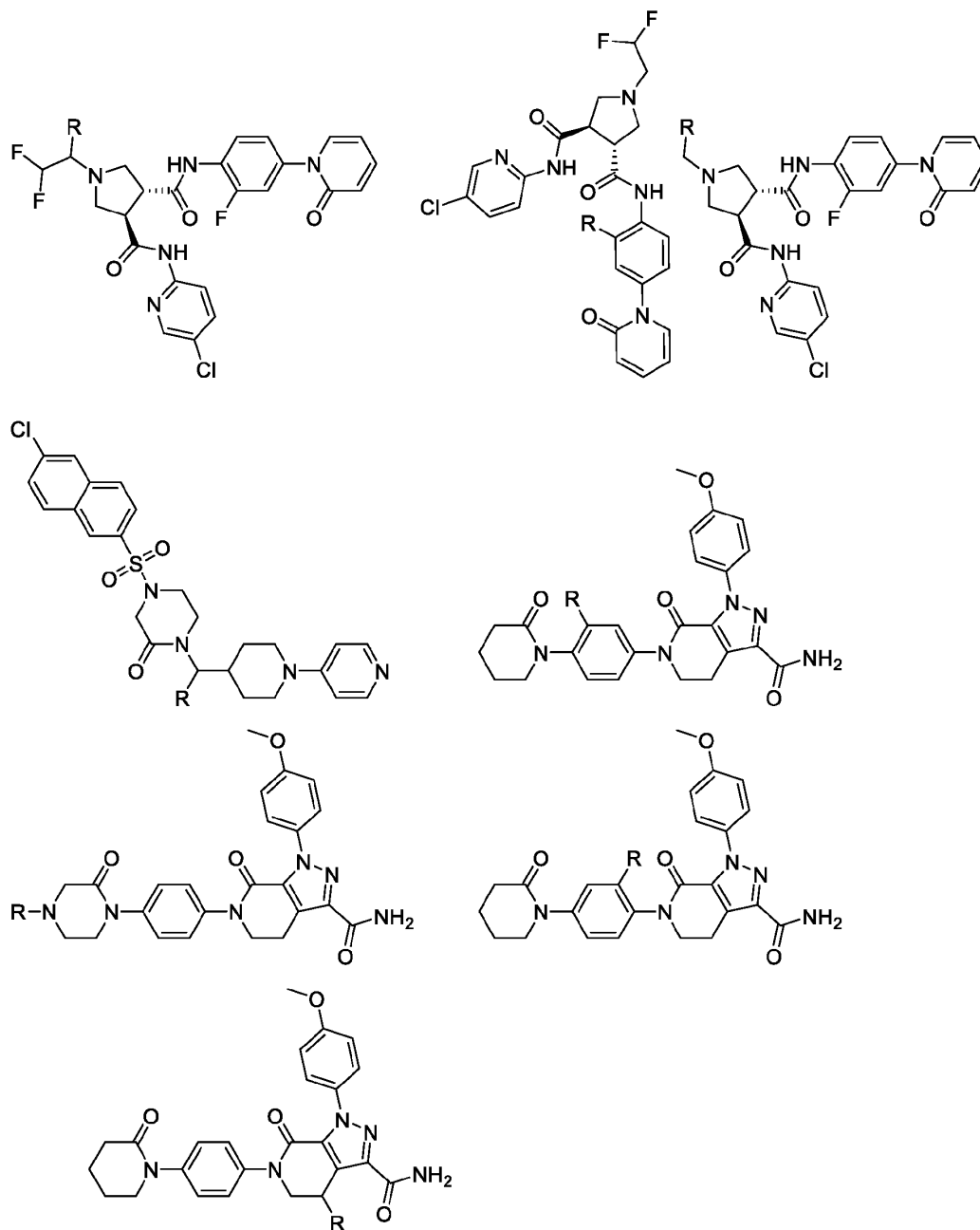


FIG. 2JJJJ



The image displays five chemical structures, labeled 1a, 1b, 1c, 2a, and 2b, which are derivatives of a 1,2,3,4-tetrahydro-1H-imidazo[4,5-b]pyridine-5-carboxamide core. The core structure consists of a five-membered imidazolidine ring fused to a six-membered ring, with a carboxamide group (-CONH-) attached to the five-membered ring. The structures are as follows:

- 1a**: The core structure with a 2-naphthylmethyl group attached to the nitrogen of the carboxamide group and a 4-(R-oxymethyl)benzyl group attached to the 2-position of the imidazolidine ring.
- 1b**: The core structure with a 2-naphthylmethyl group attached to the nitrogen of the carboxamide group and a 4-(R-oxymethyl)-2-methylbenzyl group attached to the 2-position of the imidazolidine ring.
- 1c**: The core structure with a 2-naphthylmethyl group attached to the nitrogen of the carboxamide group and a 4-(R-oxymethyl)-3-methylbenzyl group attached to the 2-position of the imidazolidine ring.
- 2a**: The core structure with a 2-naphthylmethyl group attached to the nitrogen of the carboxamide group and a 3-(R-oxymethyl)-4-methoxybenzyl group attached to the 2-position of the imidazolidine ring.
- 2b**: The core structure with a 2-naphthylmethyl group attached to the nitrogen of the carboxamide group and a 4-(R-oxymethyl)-3-methoxybenzyl group attached to the 2-position of the imidazolidine ring.



FIG. 2MMMM

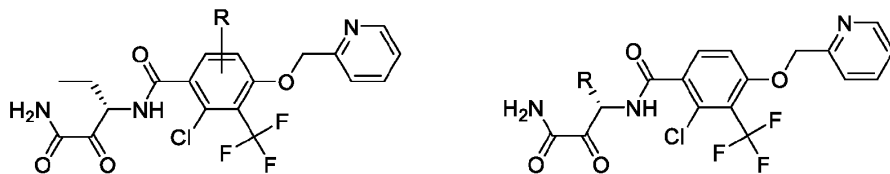


FIG. 2NNNN

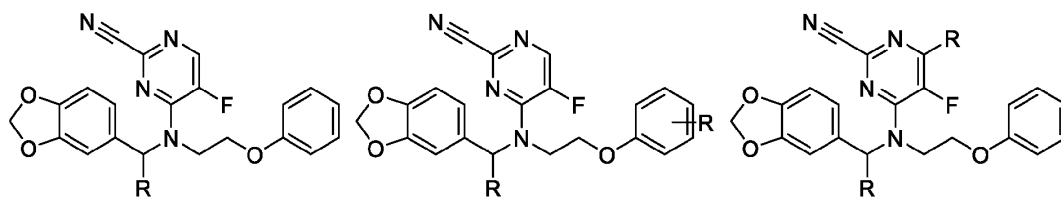


FIG. 20000

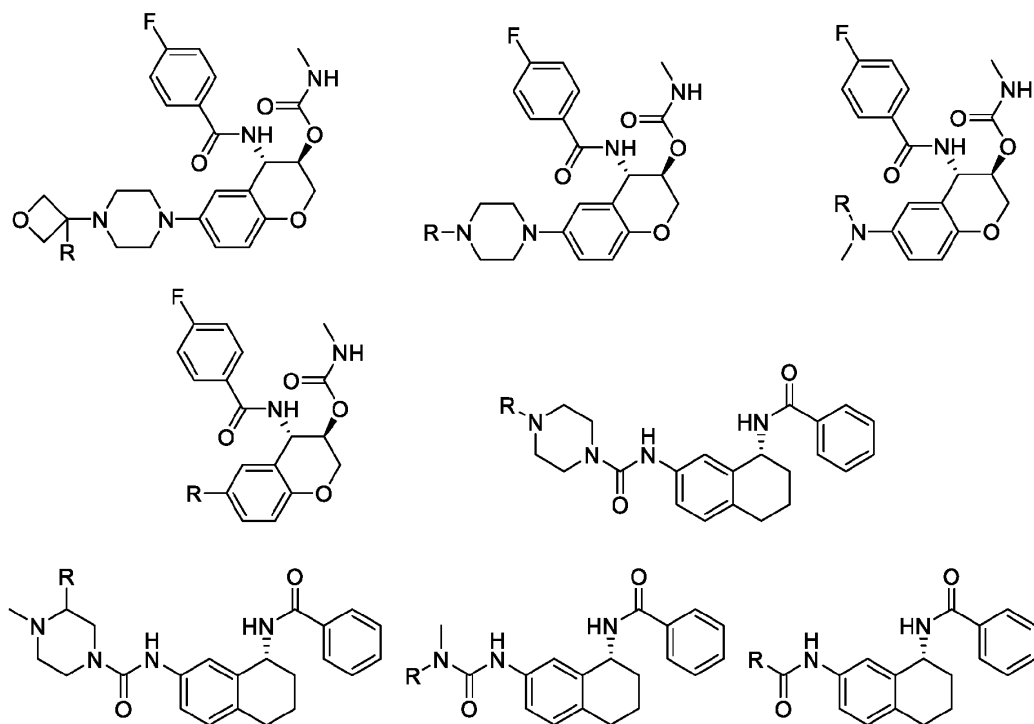
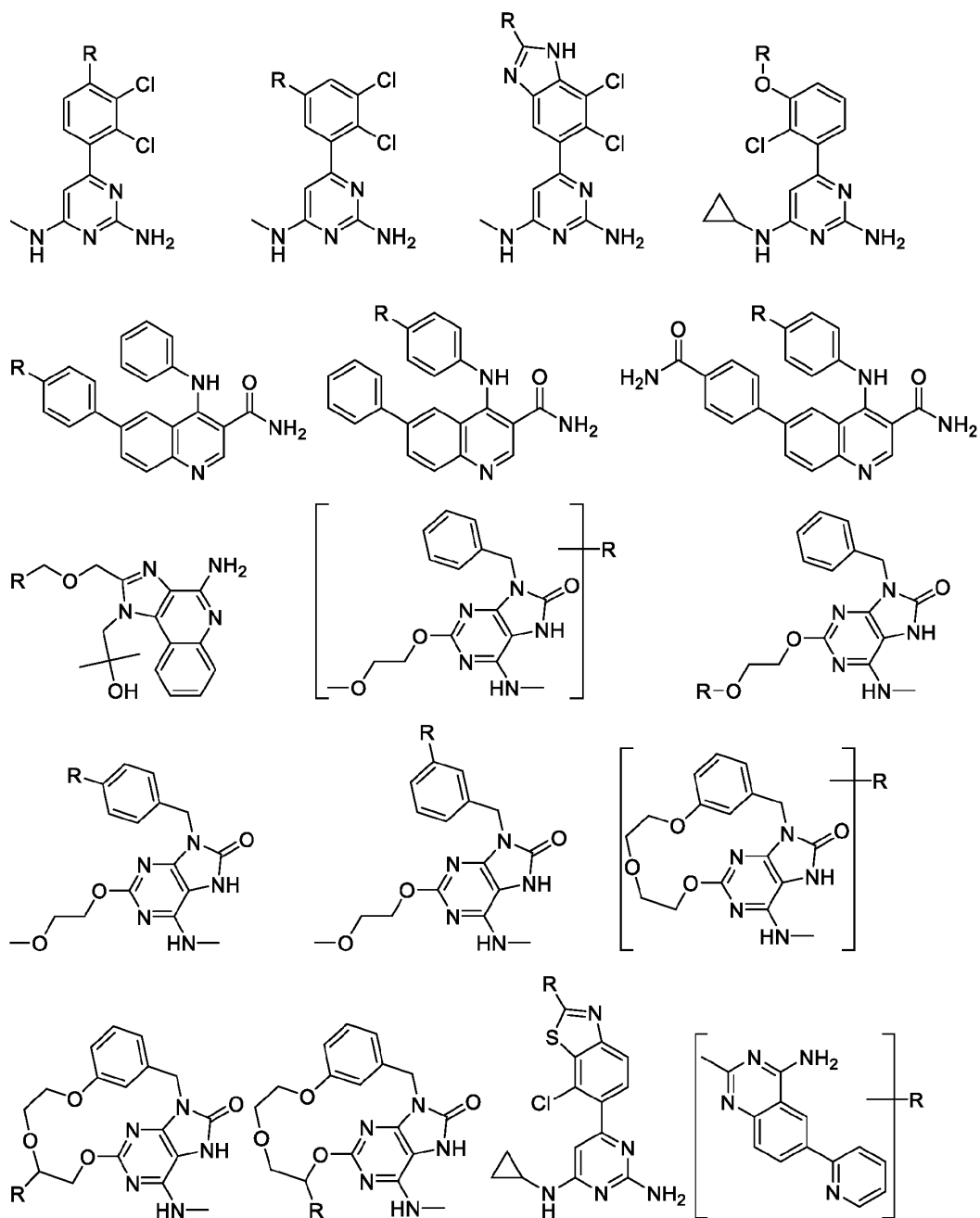


FIG. 2PPPP



The image displays a collection of chemical structures, likely representing various compounds or polymers. The structures are arranged in a grid-like fashion, with some enclosed in brackets and labeled with 'R' to indicate repeating units or substituents. The structures include:

- Quinazoline derivatives: Several structures feature a quinazoline core, often substituted with an amino group ( $\text{NH}_2$ ) and a pyridine ring. One structure shows a quinazoline with a methoxy group ( $\text{OCH}_3$ ) and a carbonyl group ( $\text{C=O}$ ).
- Pyridine derivatives: Structures include pyridine rings substituted with a quinazoline moiety and a carbonyl group.
- Benzimidazole derivatives: Structures include benzimidazole cores substituted with a quinazoline moiety and a carbonyl group.
- Other structures: Various other structures are shown, including those with multiple methoxy groups, carbonyl groups, and different ring systems.

The structures are labeled with 'R' to indicate repeating units or substituents, suggesting they are part of a larger set of compounds or polymers.

FIG. 2RRRR

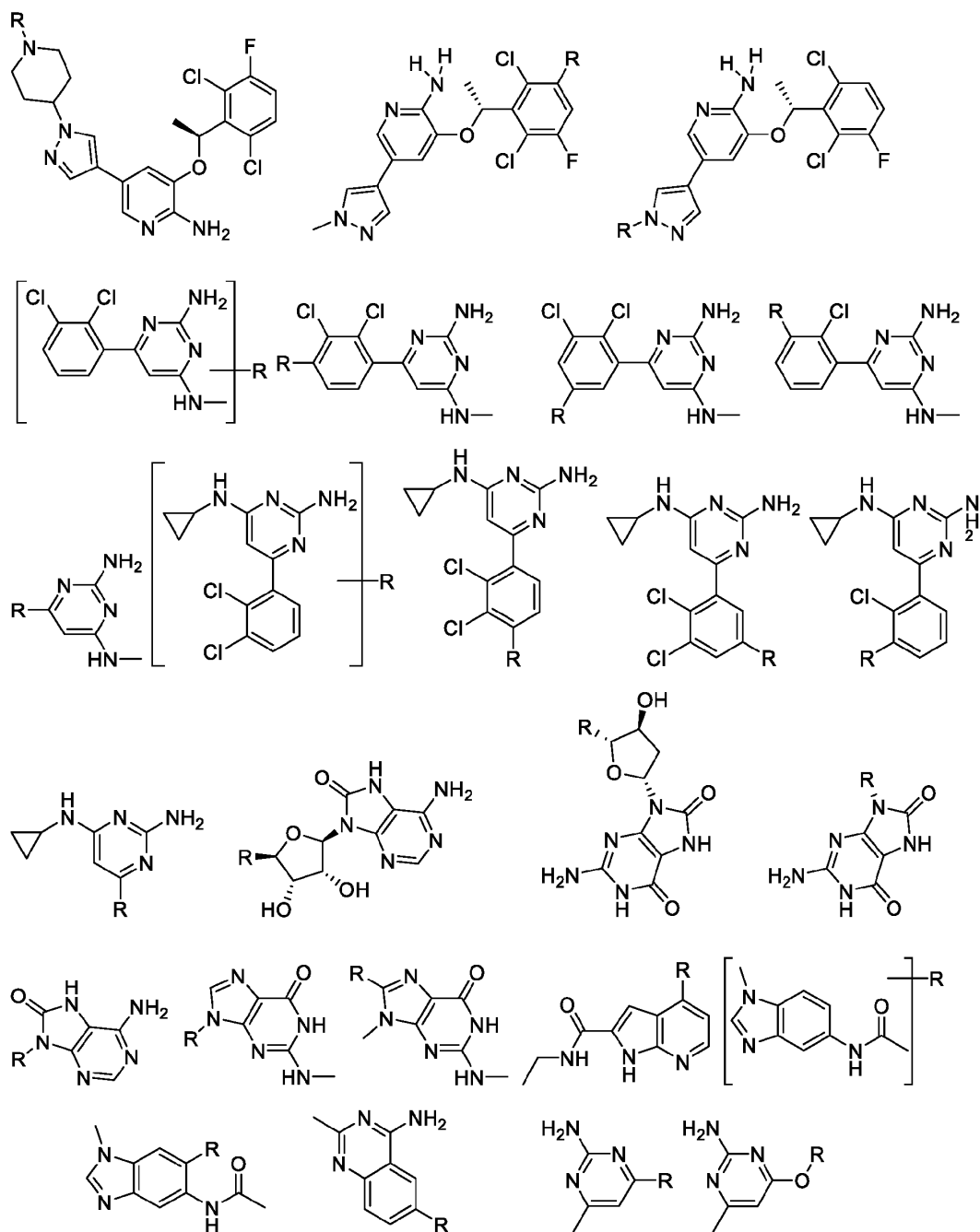


FIG. 2SSSS

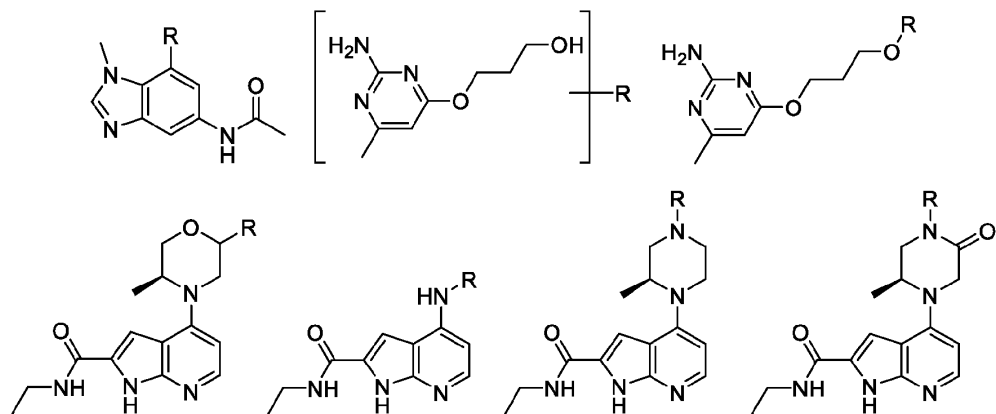


FIG. 2TTTT

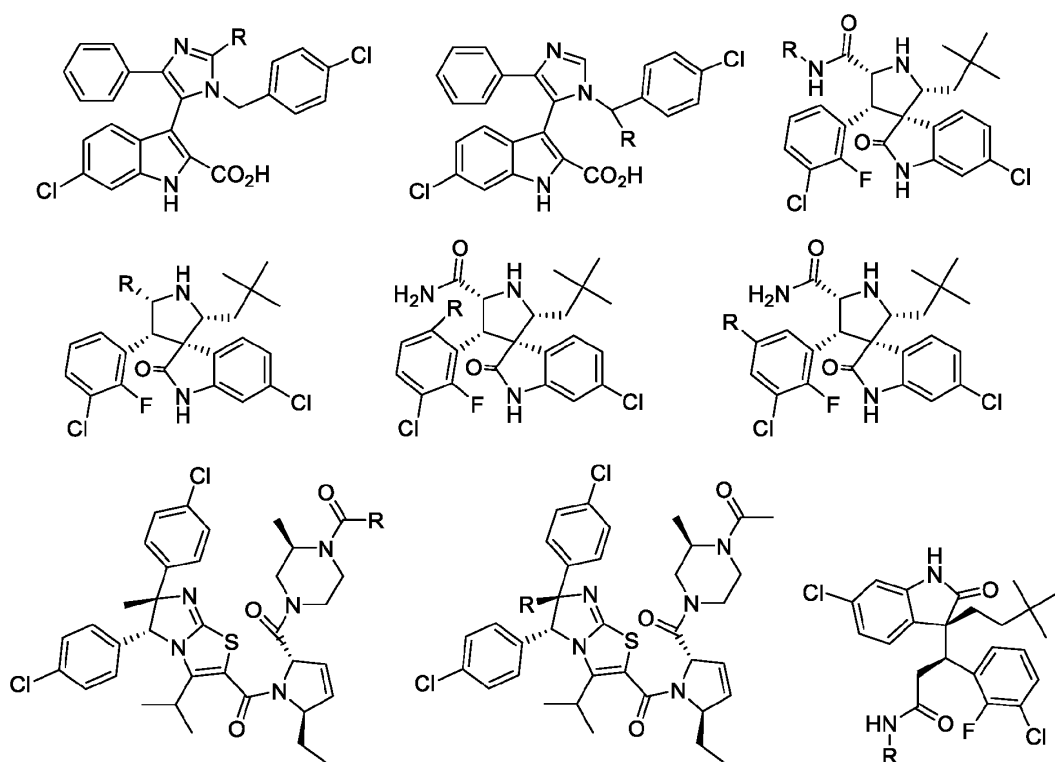


FIG. 2UUUU

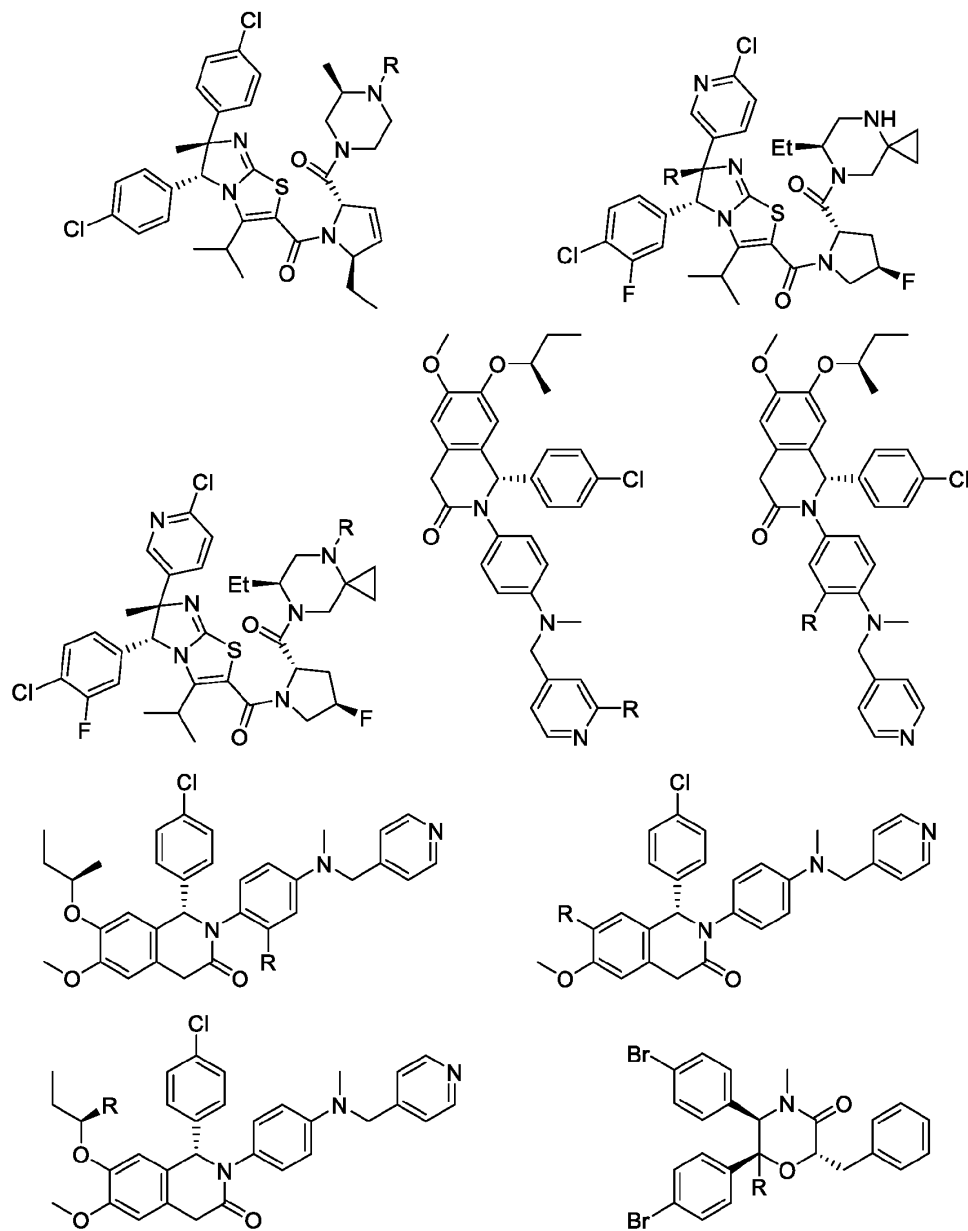


FIG. 2VVVV

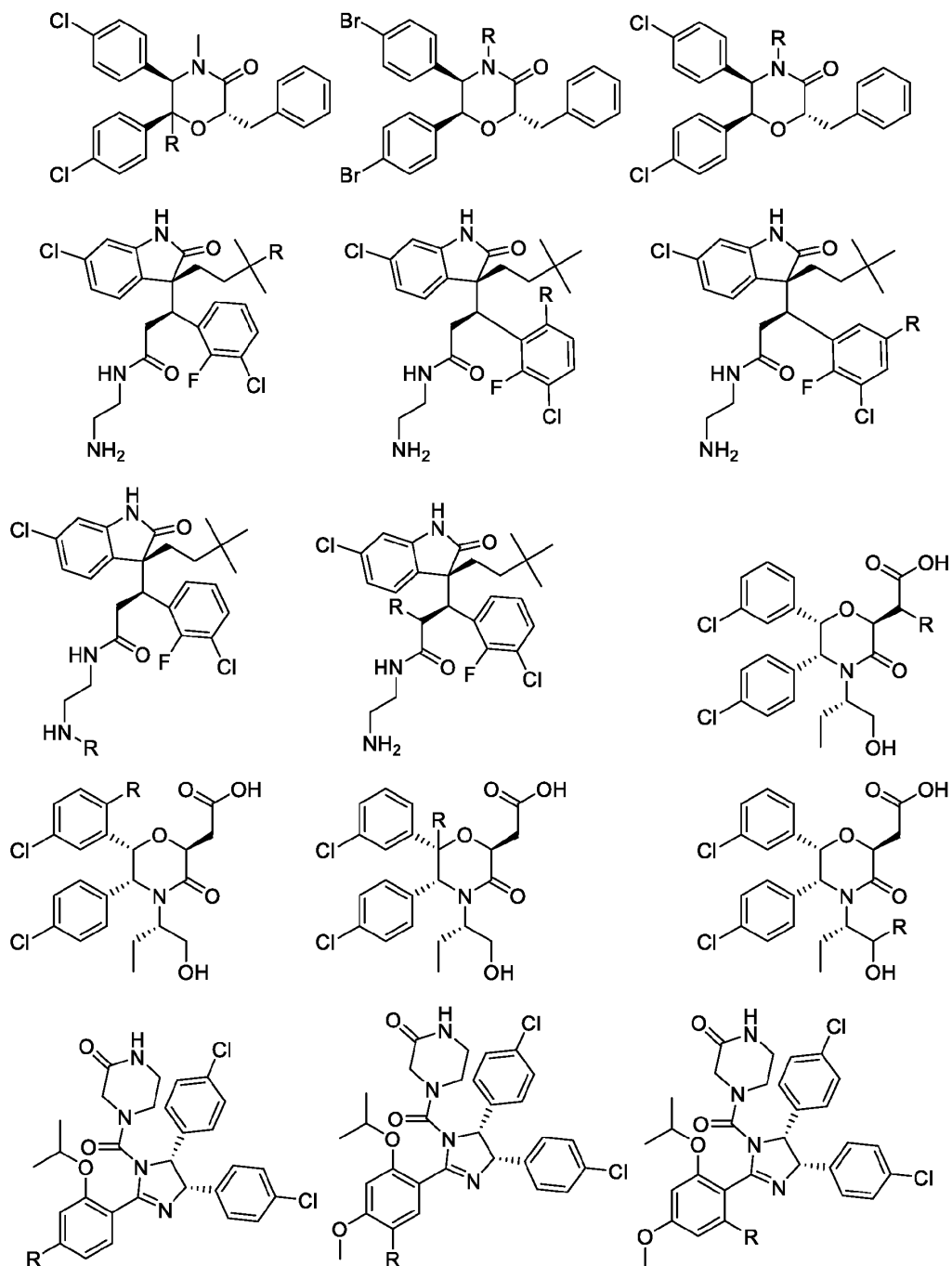


FIG. 2WWWW

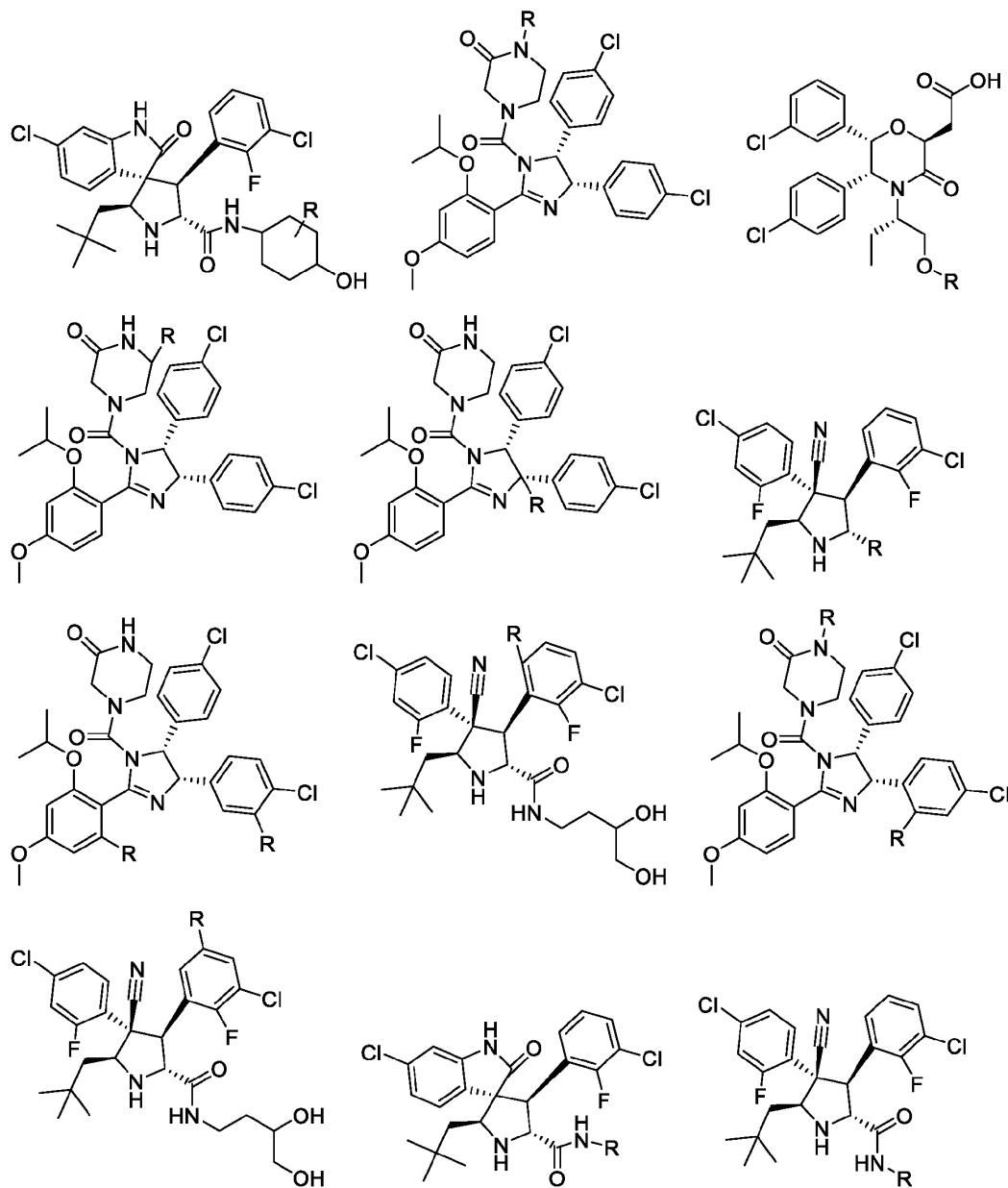




FIG. 2XXXX

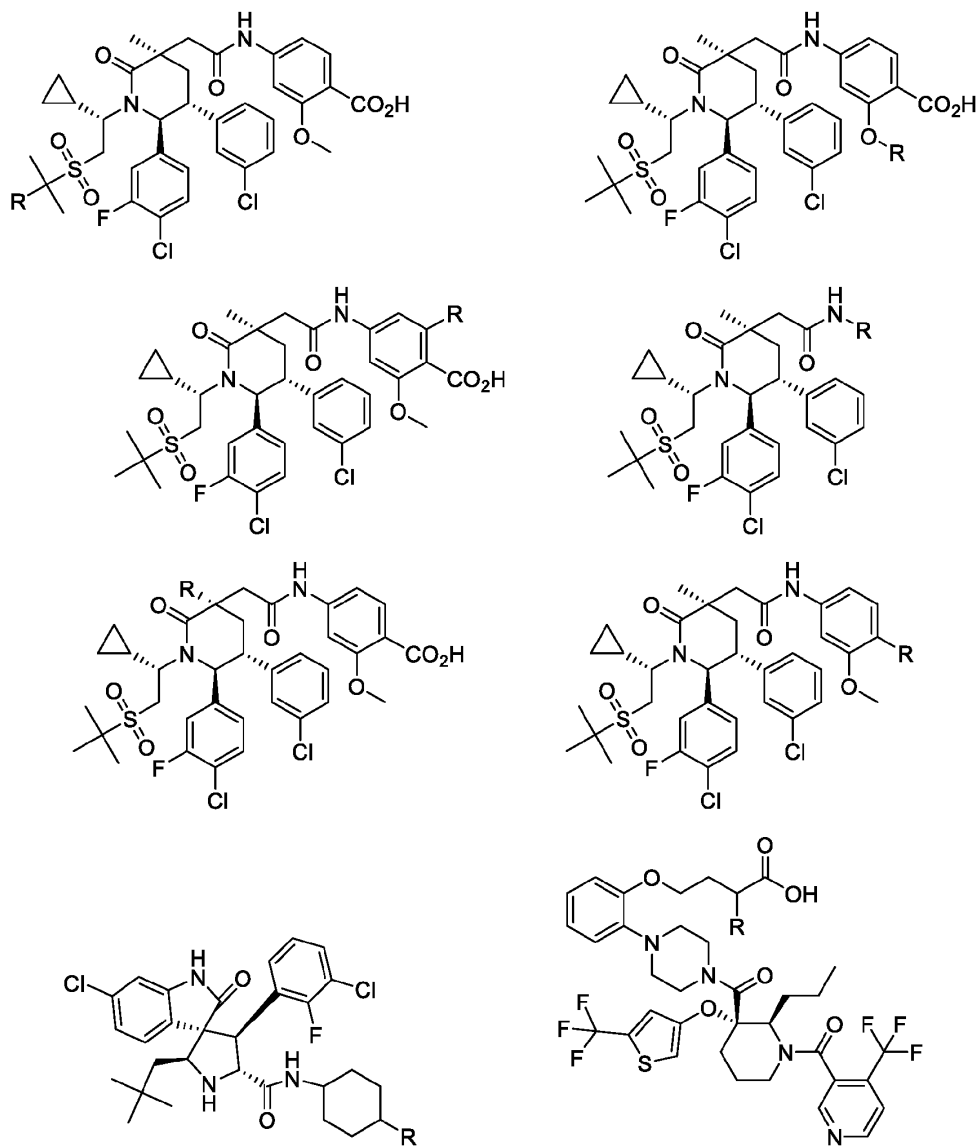


FIG. 2YYYY

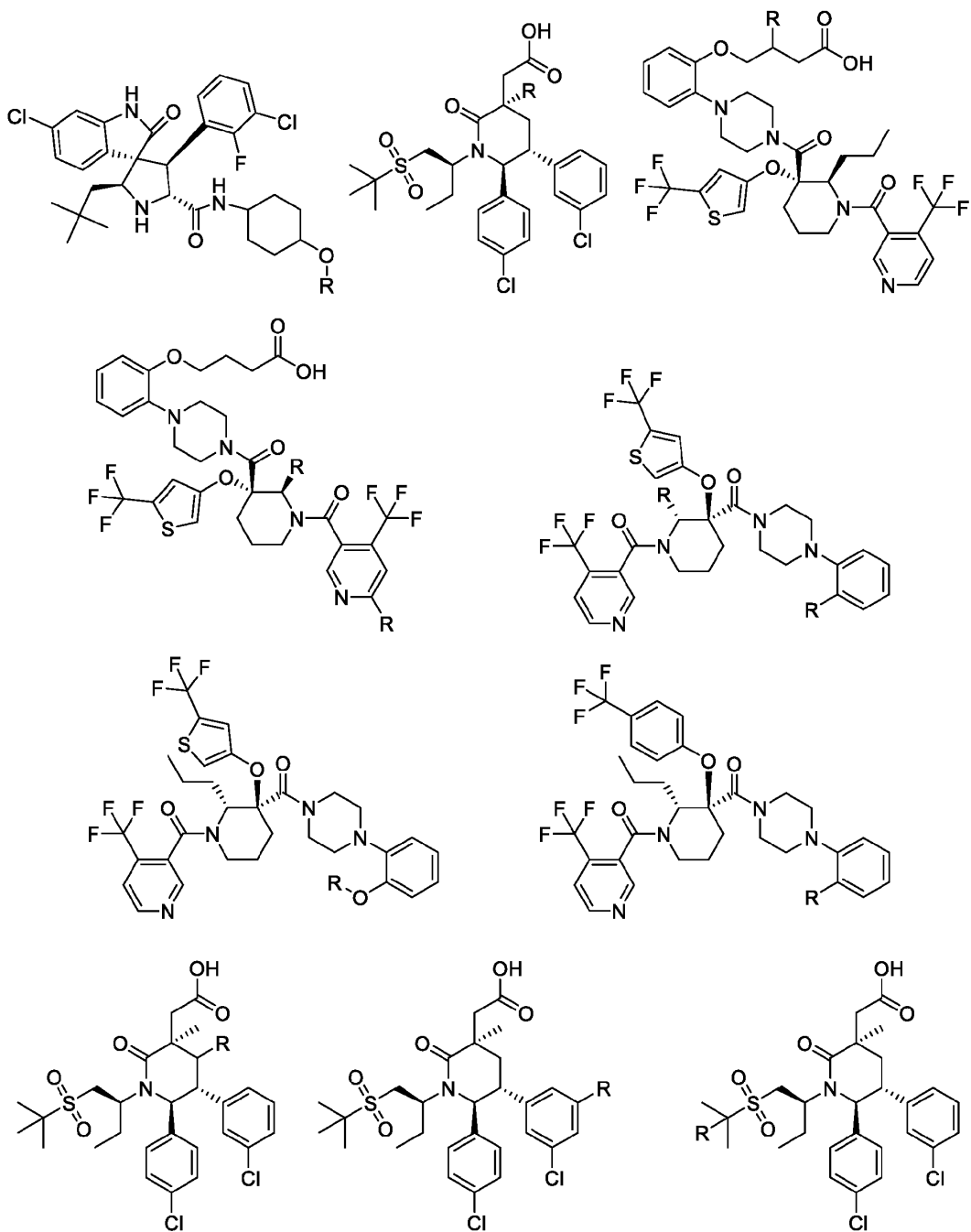


FIG. 2ZZZZ

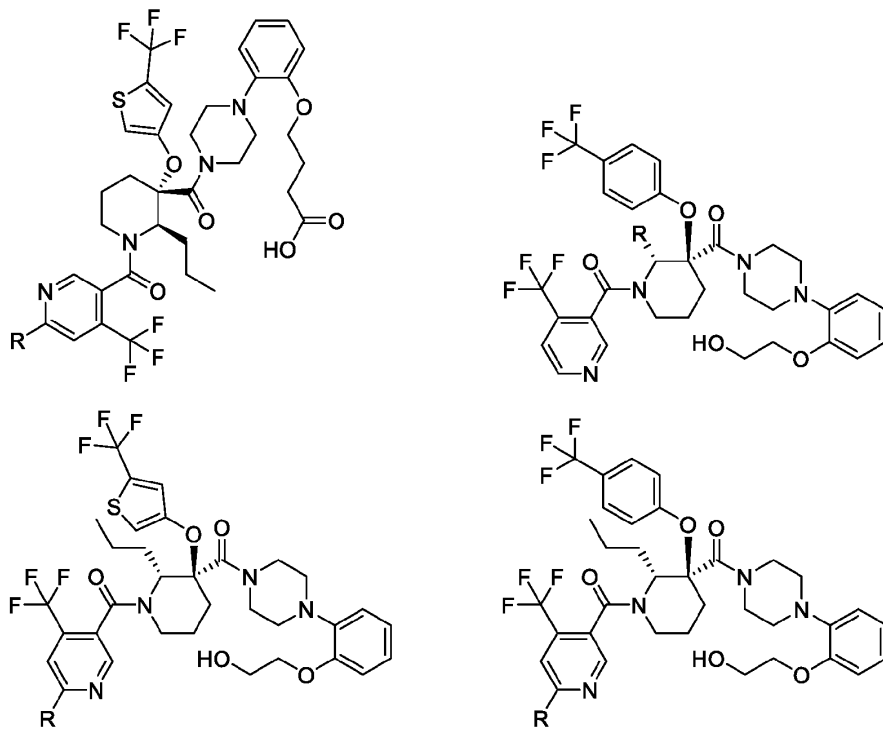


FIG. 2AAAAA

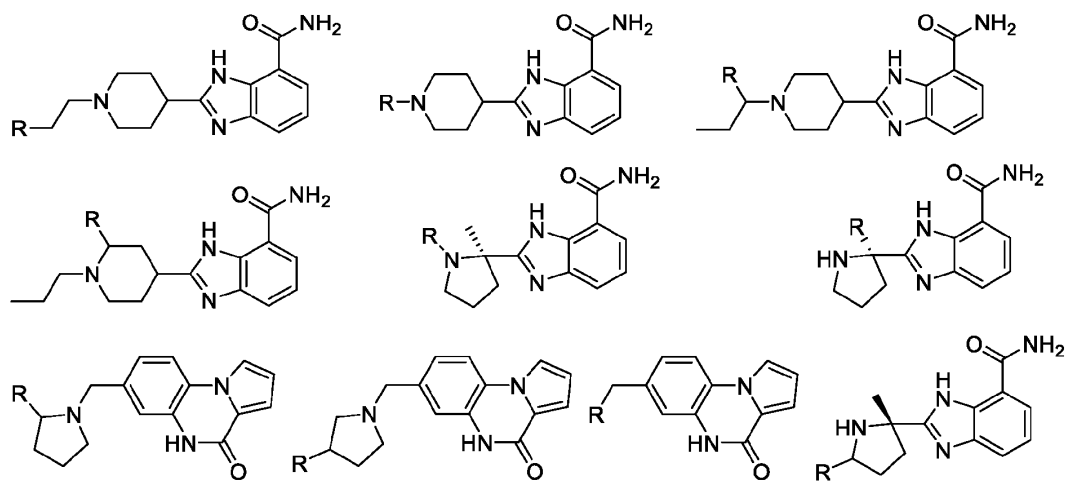


FIG. 2BBBBB

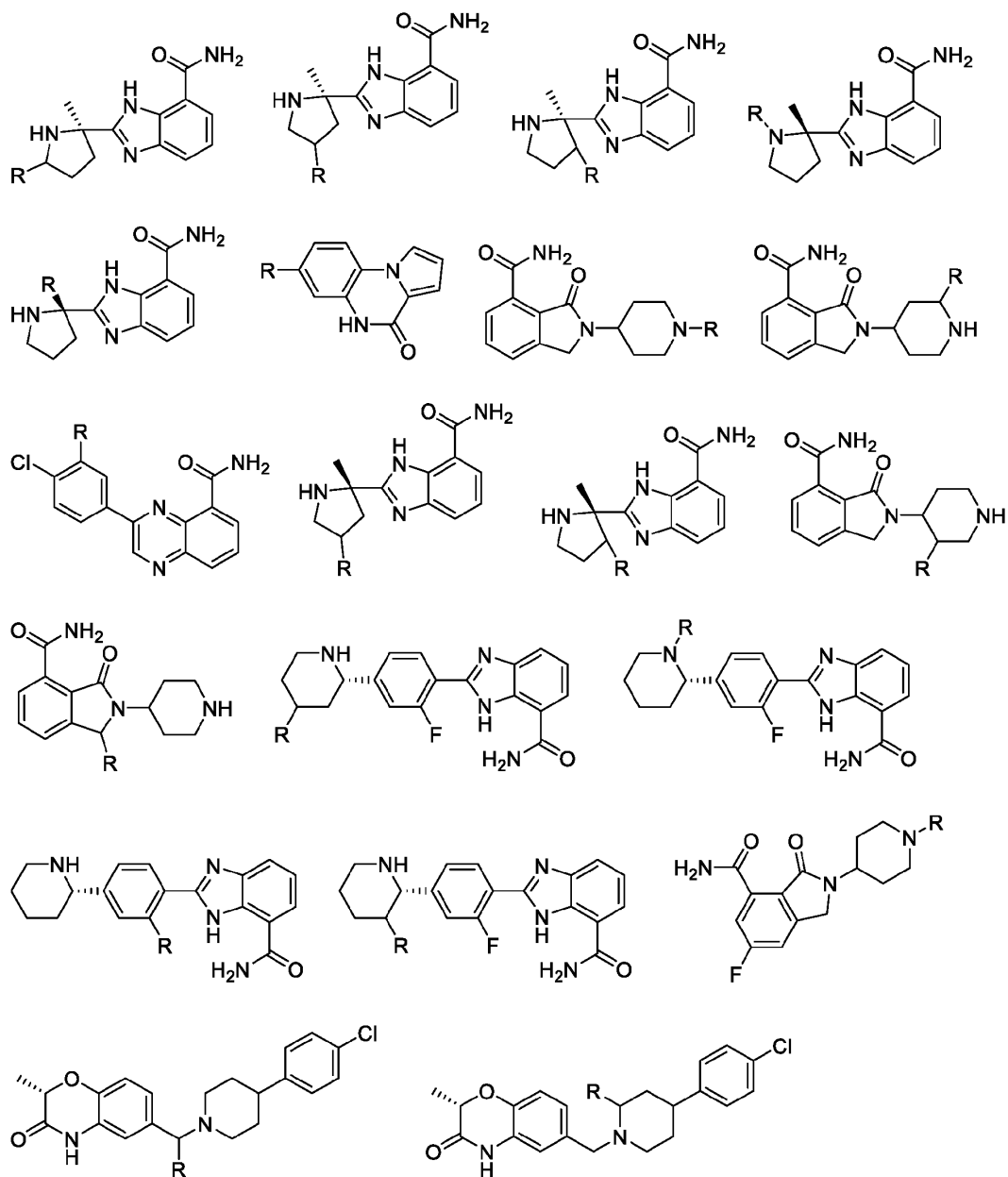


FIG. 2CCCCC

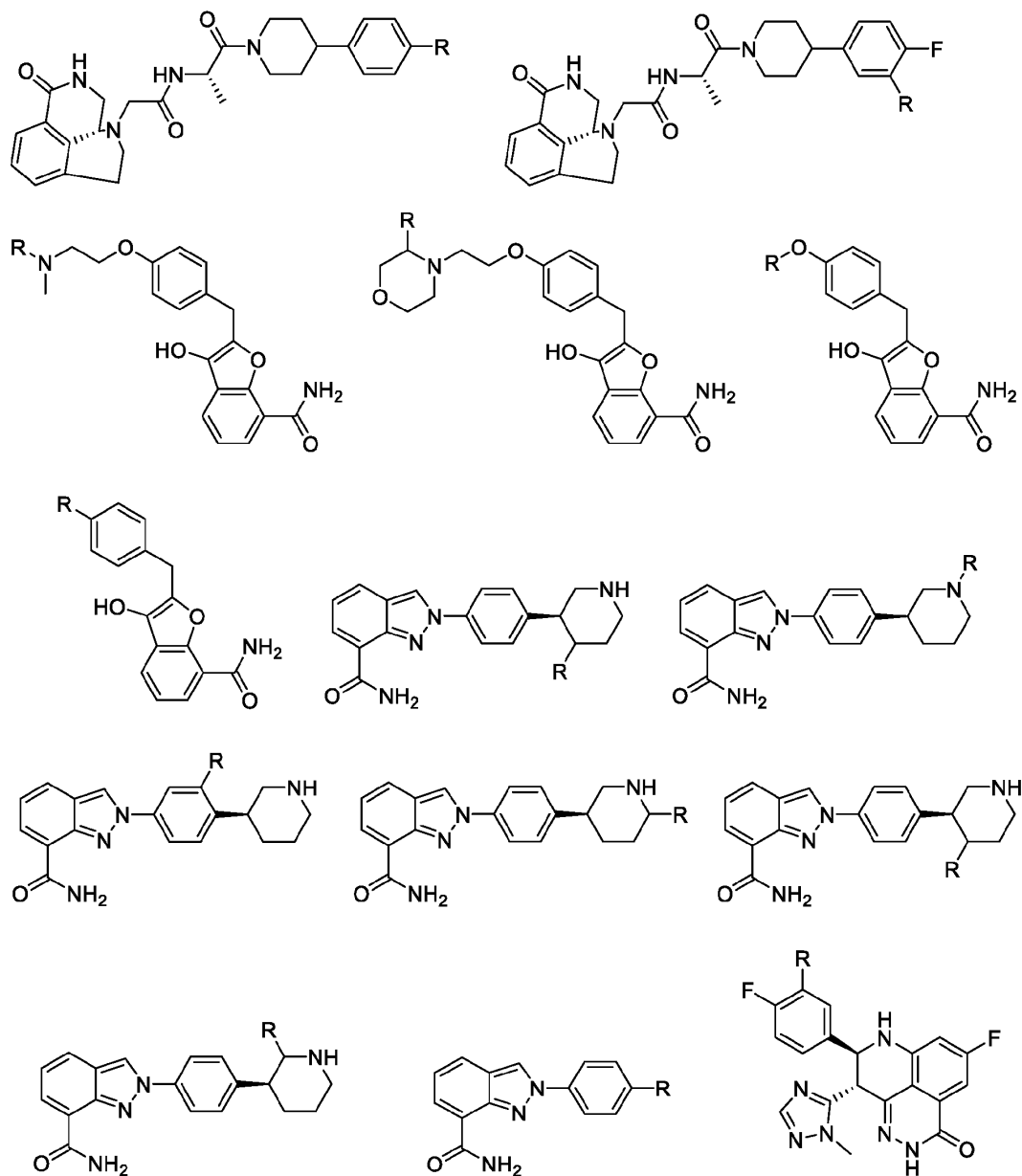


FIG. 2DDDDDD

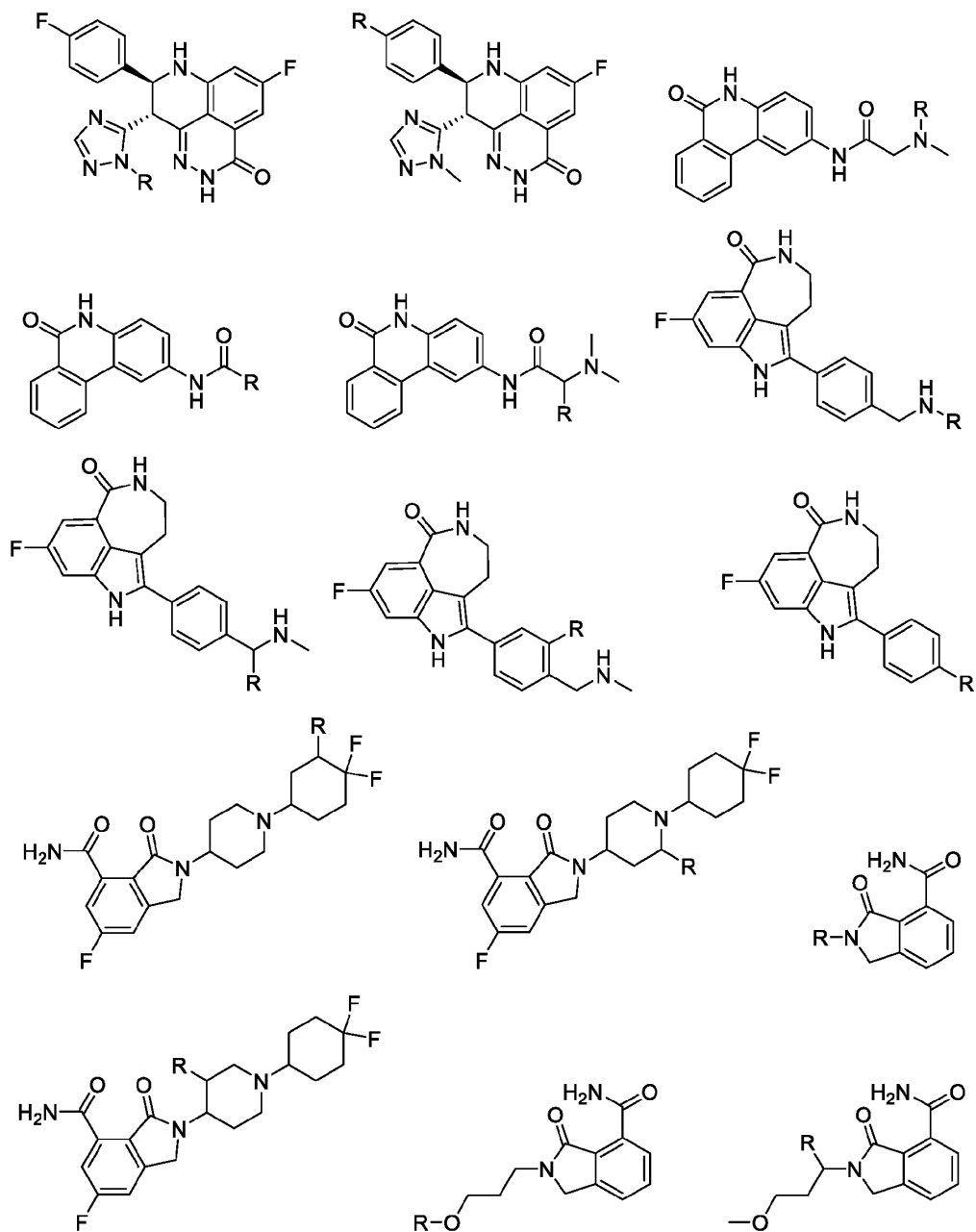


FIG. 2EEEEEE

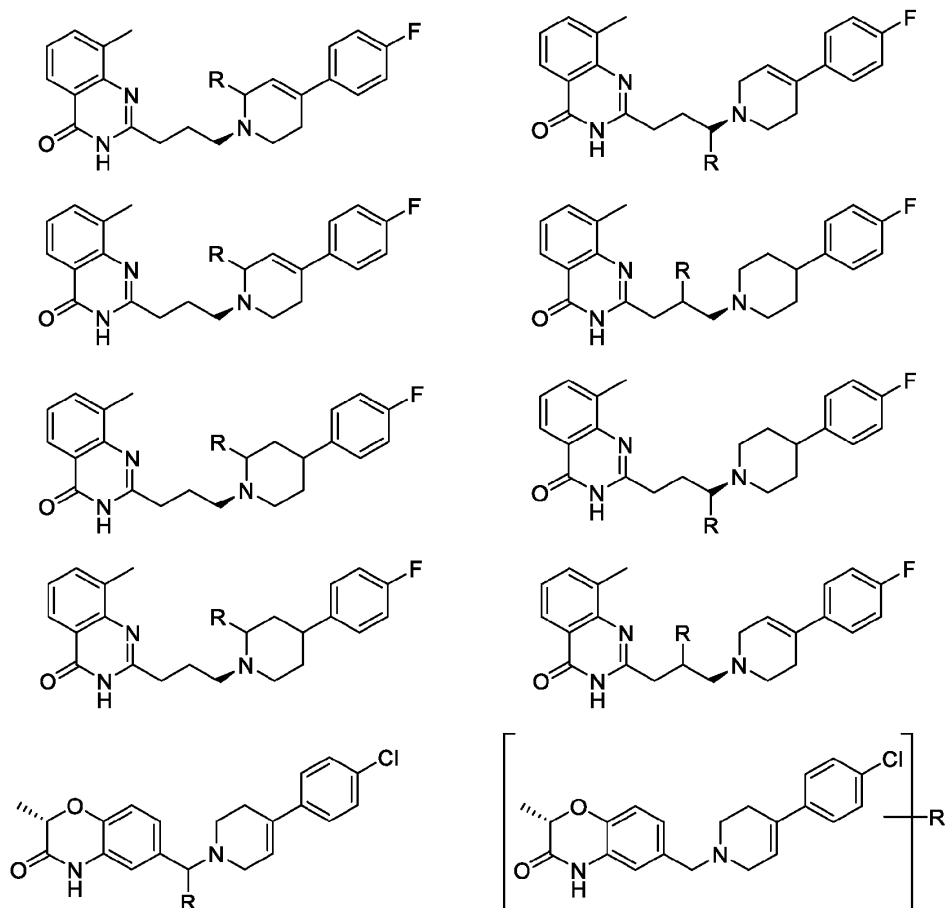


FIG. 2FFFF

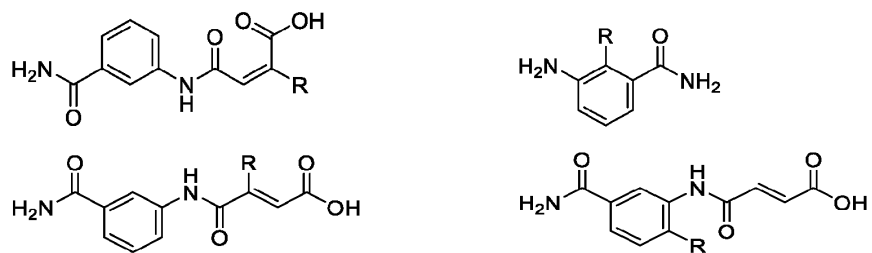


FIG. 2GGGGG

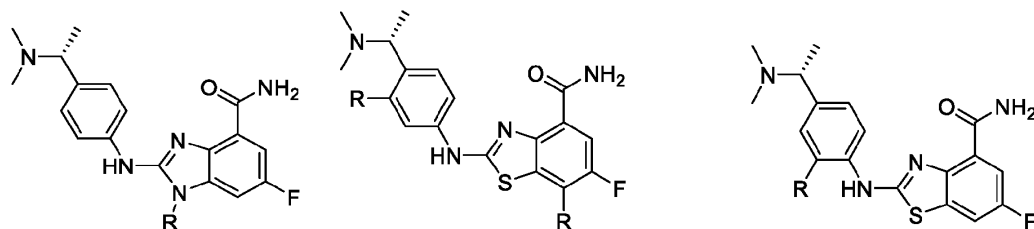


FIG. 2HHHHH

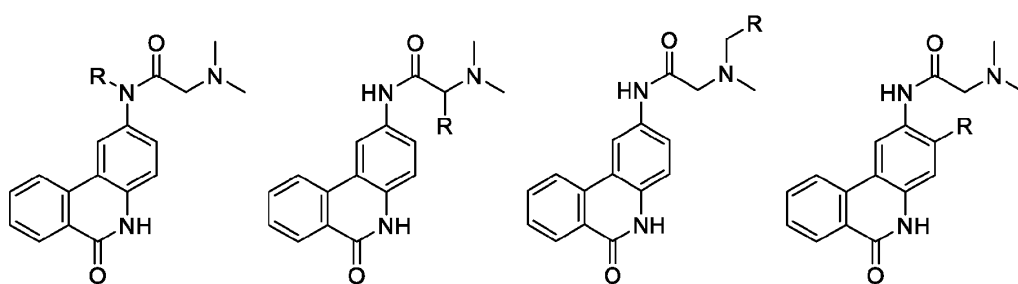


FIG. 2IIII



FIG. 2JJJJ

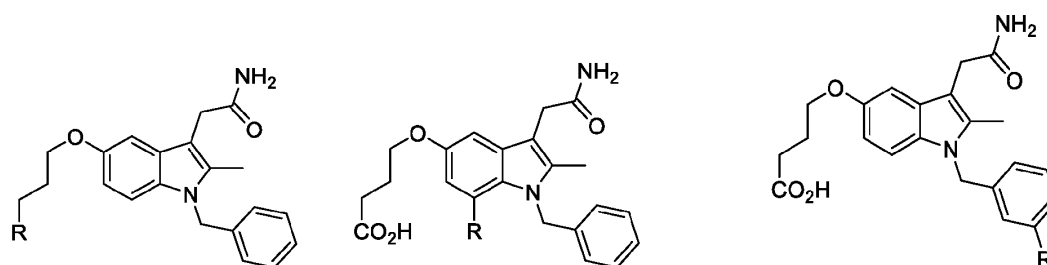




FIG. 2KKKKK

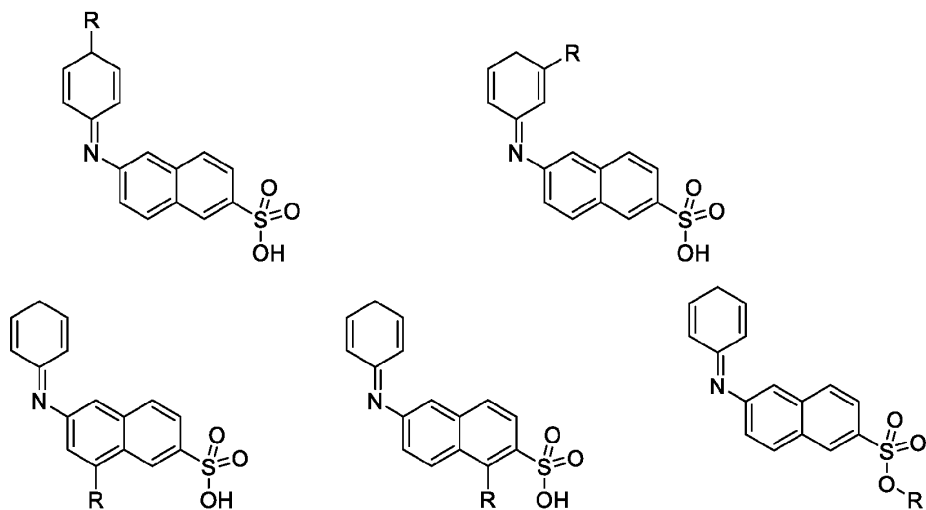


FIG. 2LLLLL

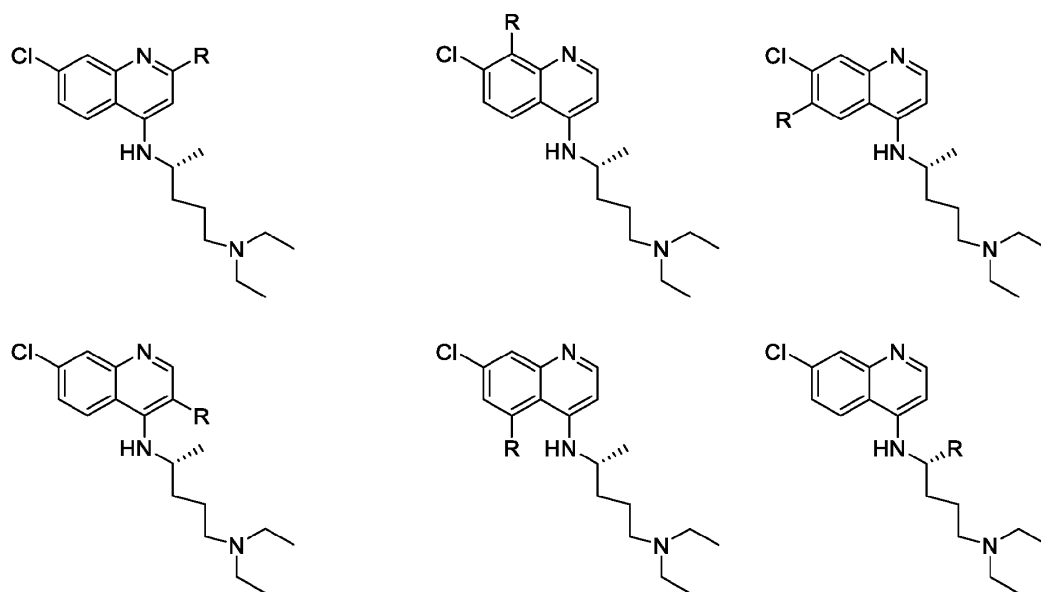


FIG. 2MMMMM

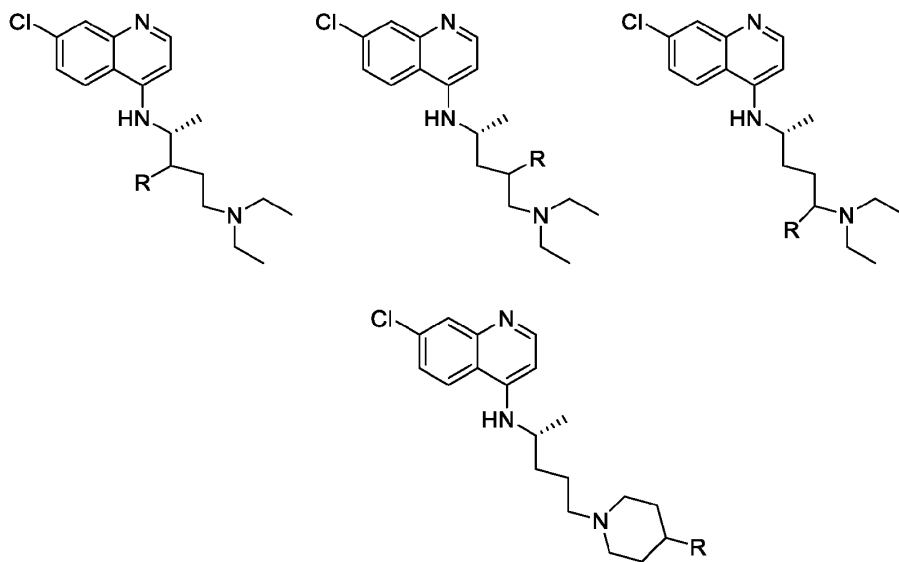


FIG. 2NNNNN

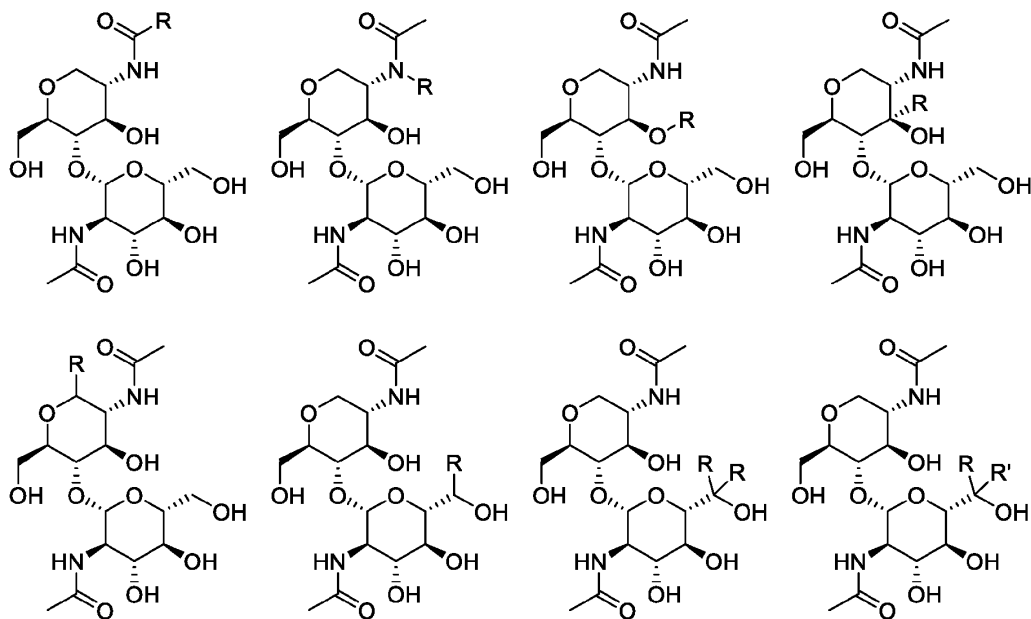


FIG. 200000

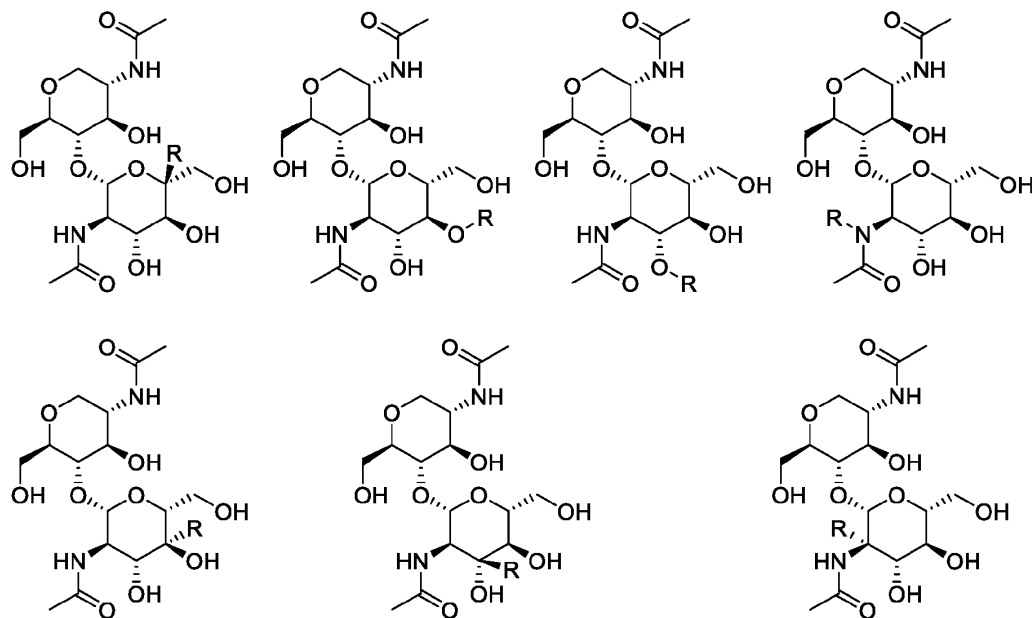


FIG. 2PPPPP

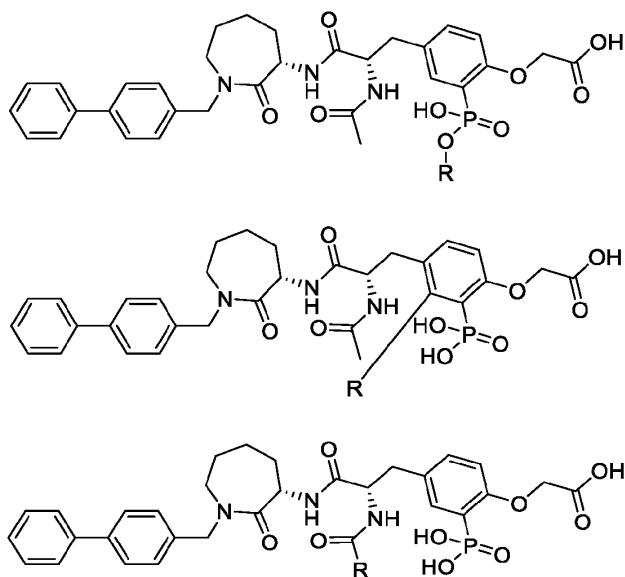


FIG. 2QQQQQ

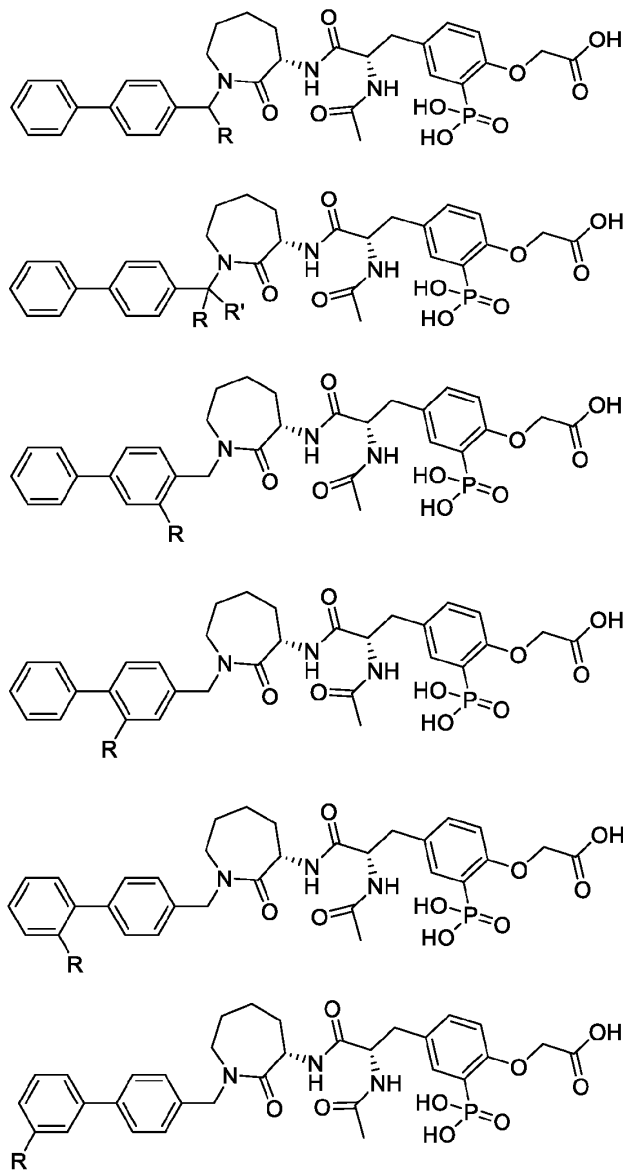


FIG. 2RRRRR

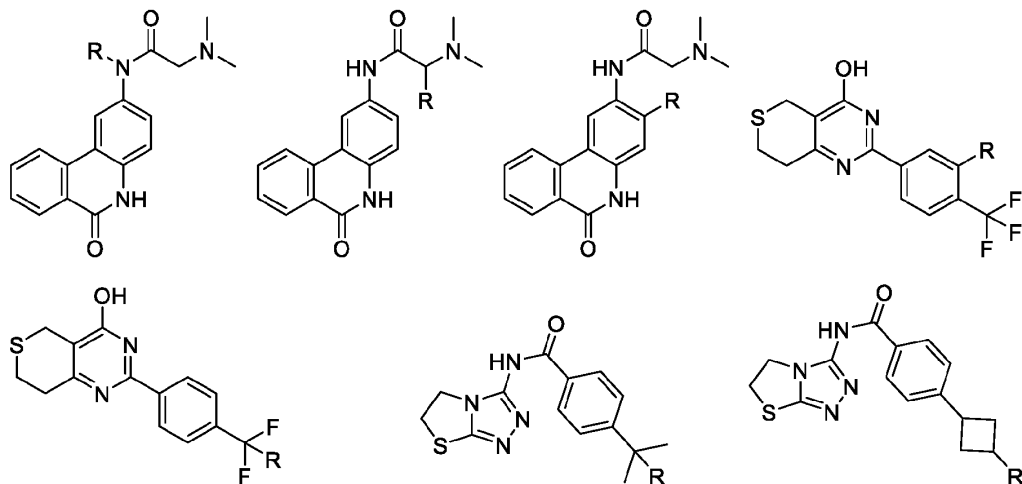


FIG. 2SSSSS

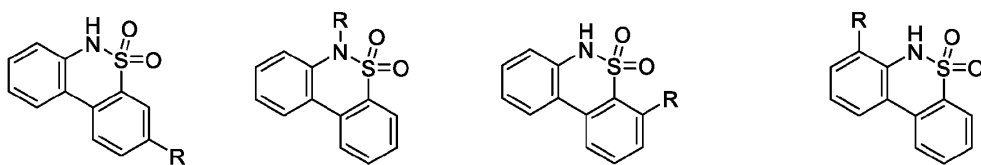


FIG. 2TTTTT

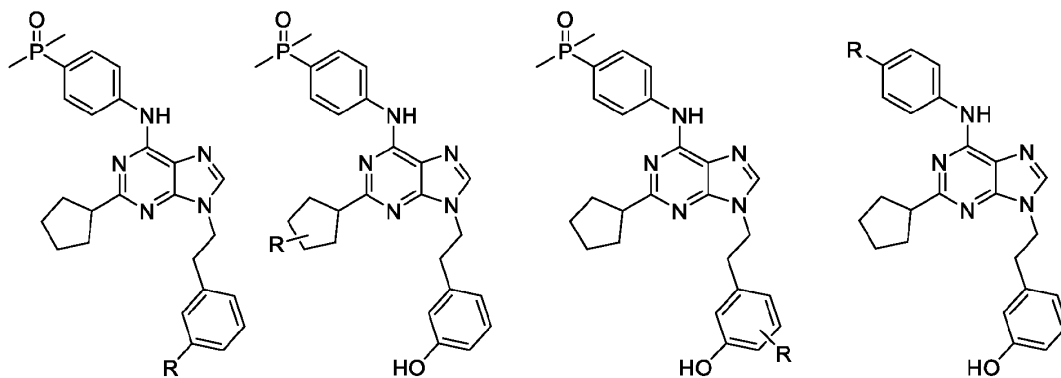


FIG. 2UUUUU

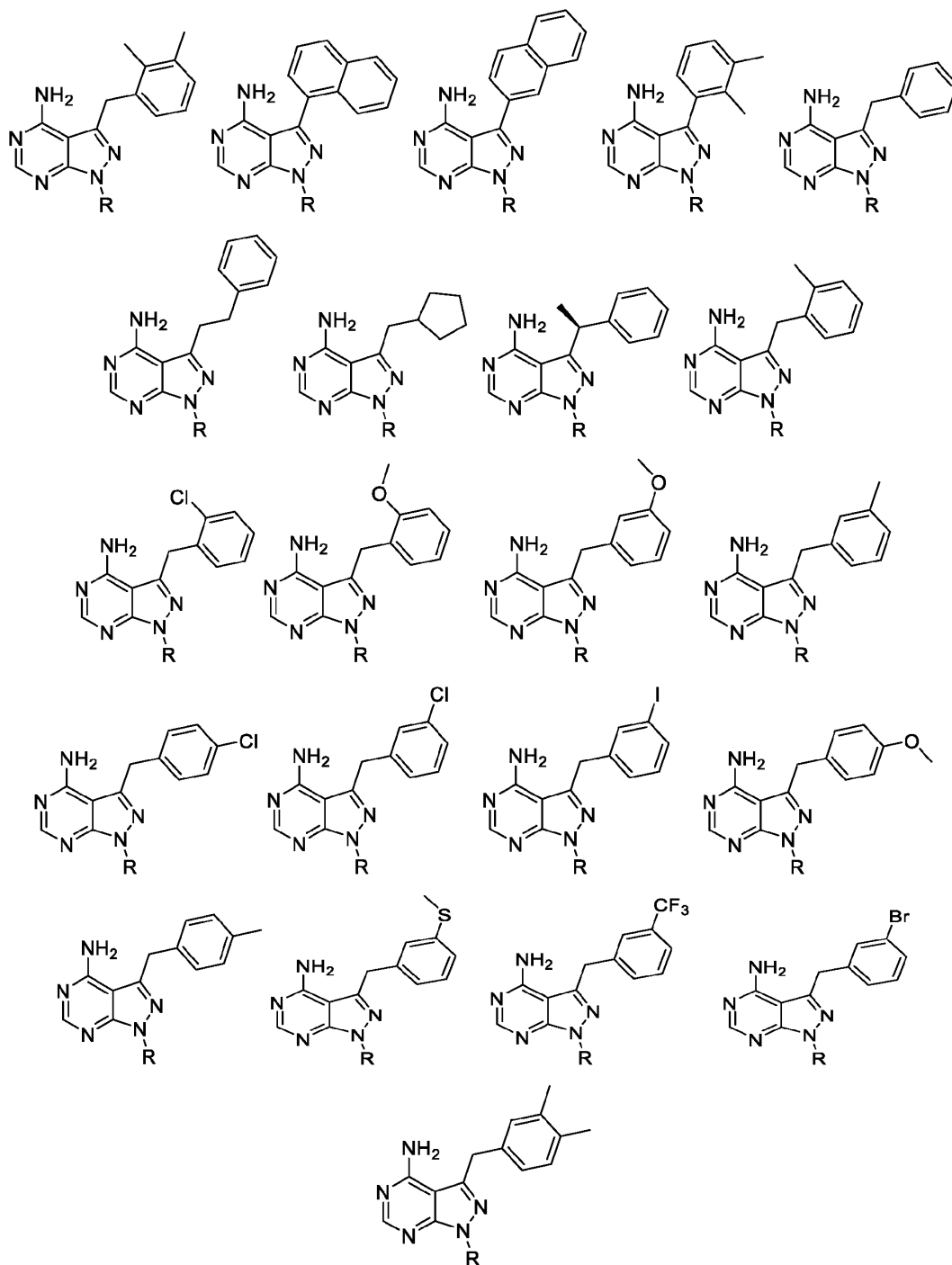


FIG. 2VVVVV

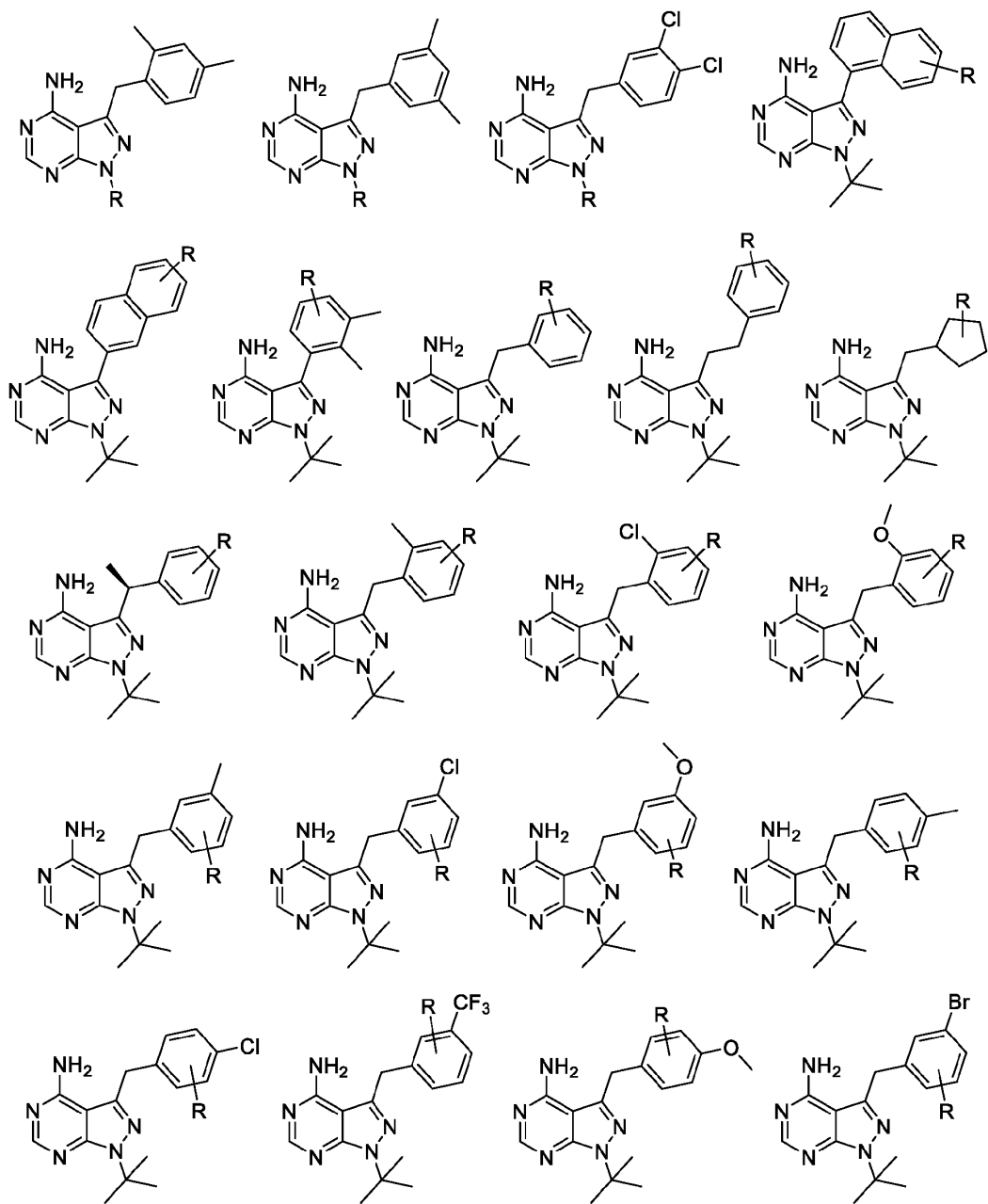


FIG. 2WWWWW

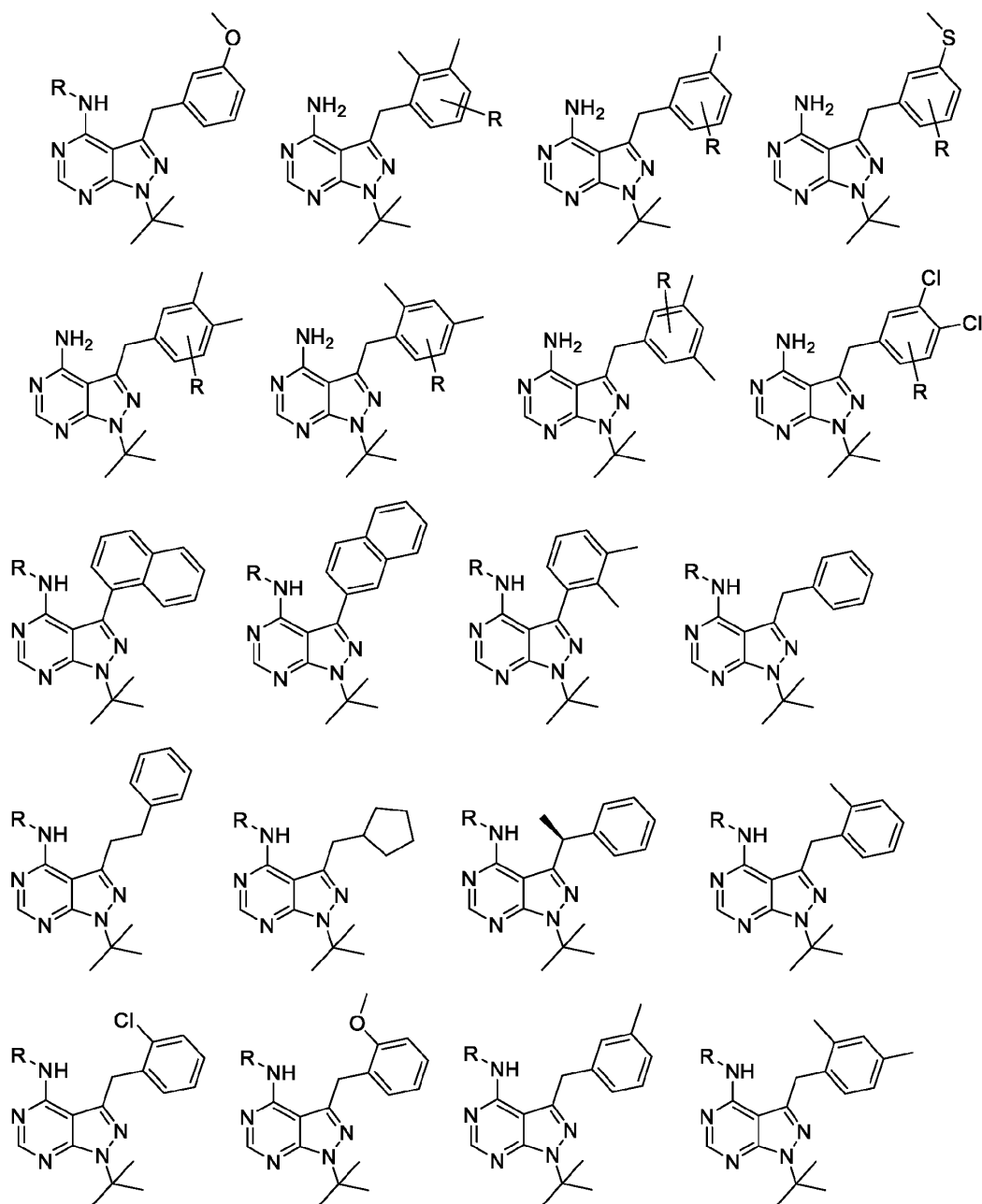




FIG. 2XXXXX

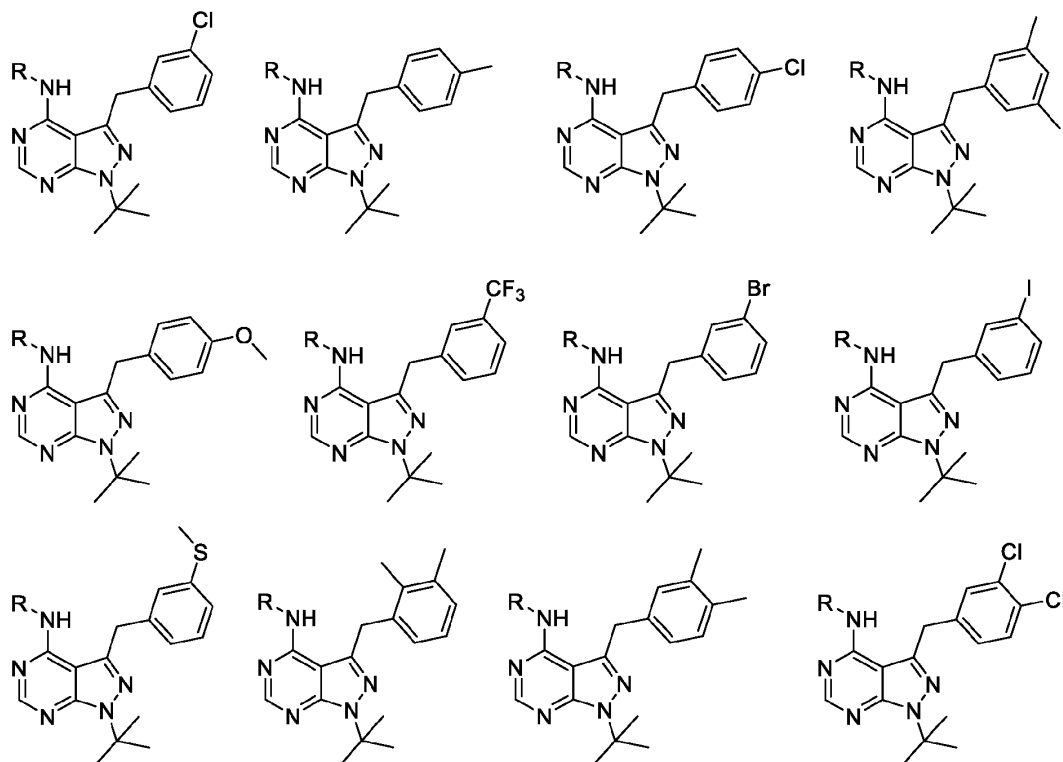


FIG. 2YYYYY

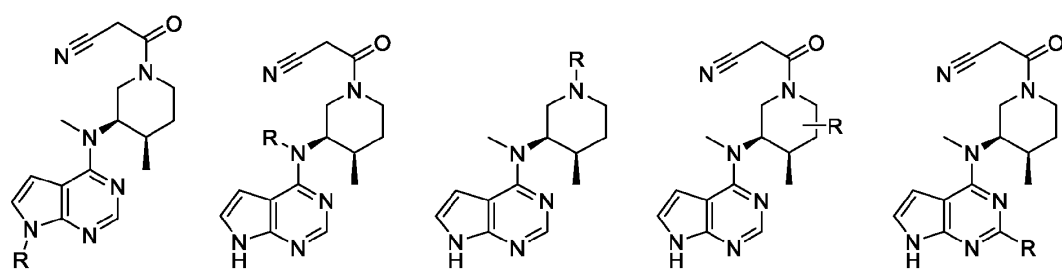


FIG. 2ZZZZZ

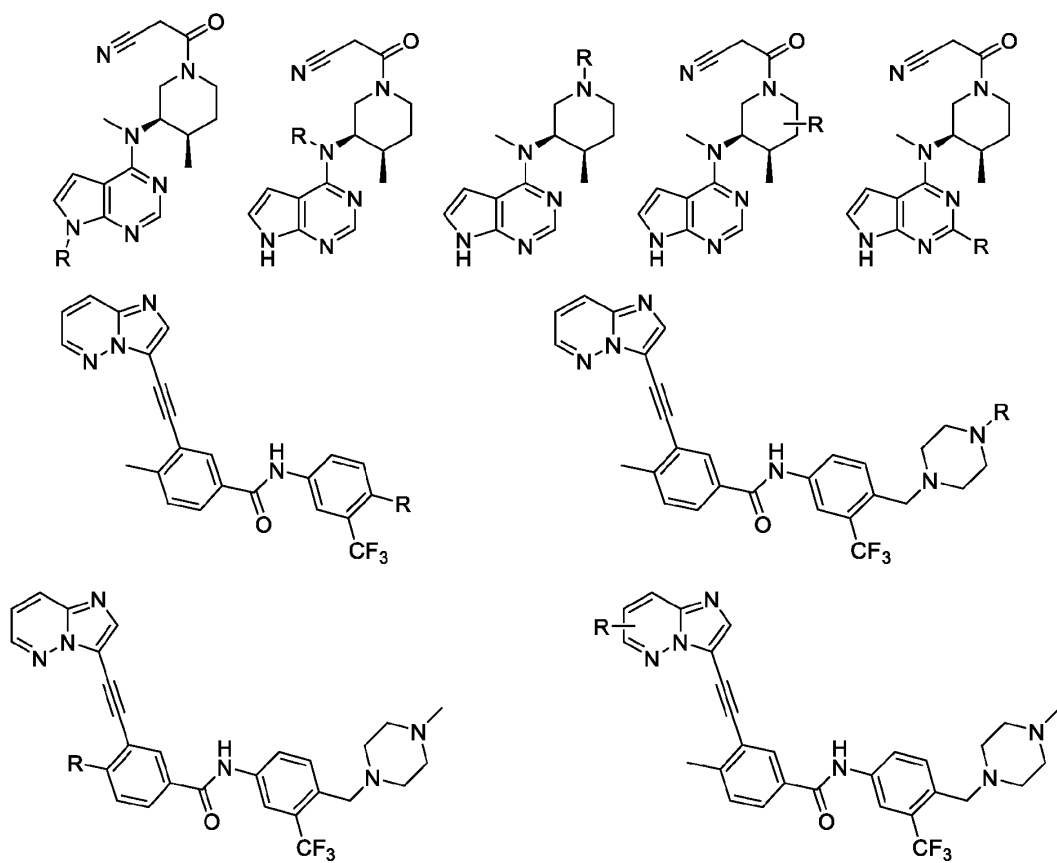


FIG. 3A

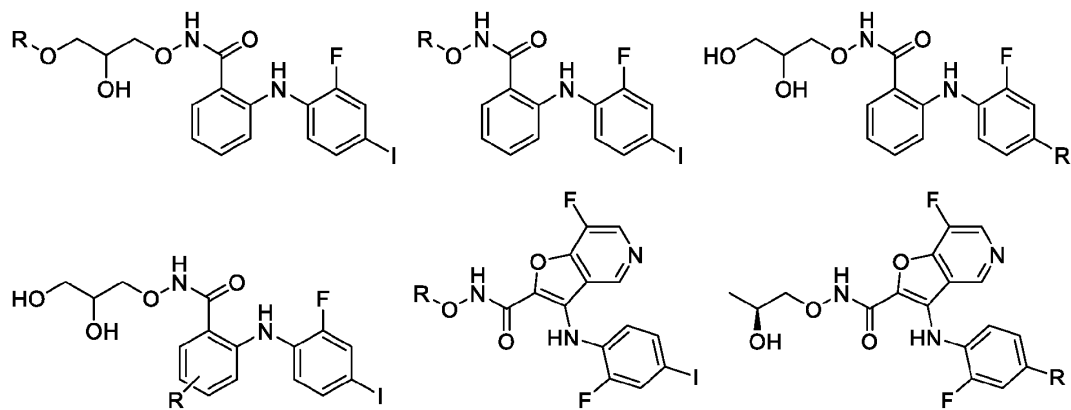


FIG. 3B

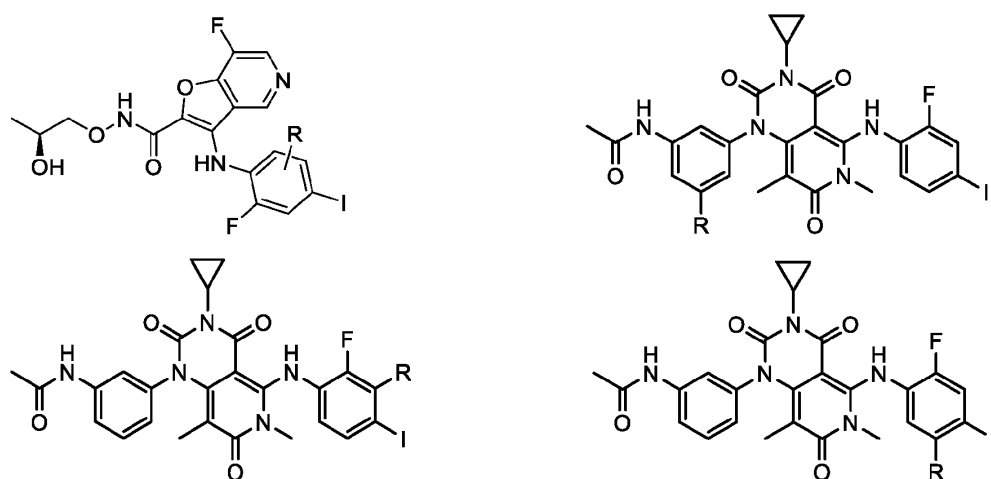


FIG. 3C

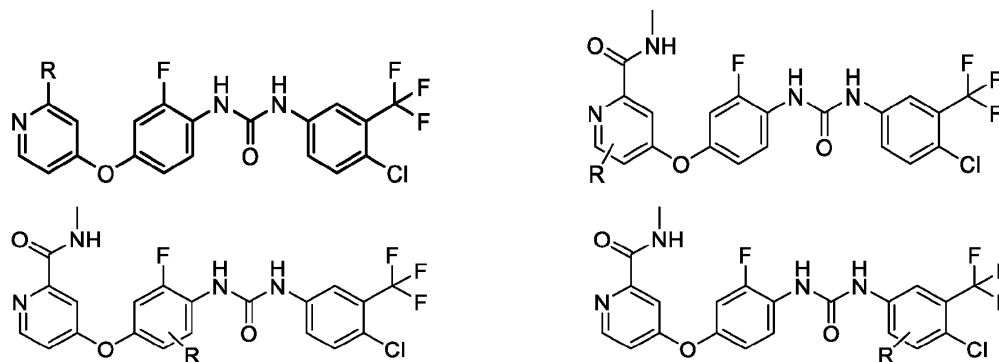


FIG. 3D

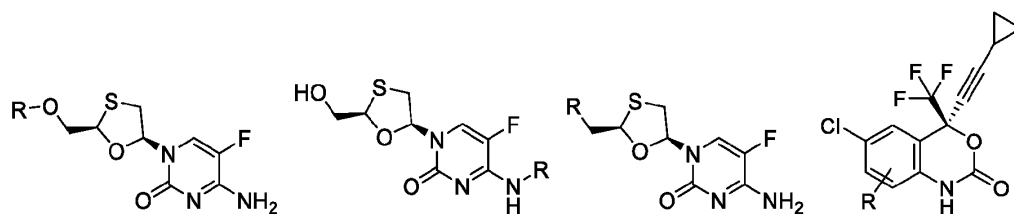


FIG. 3E

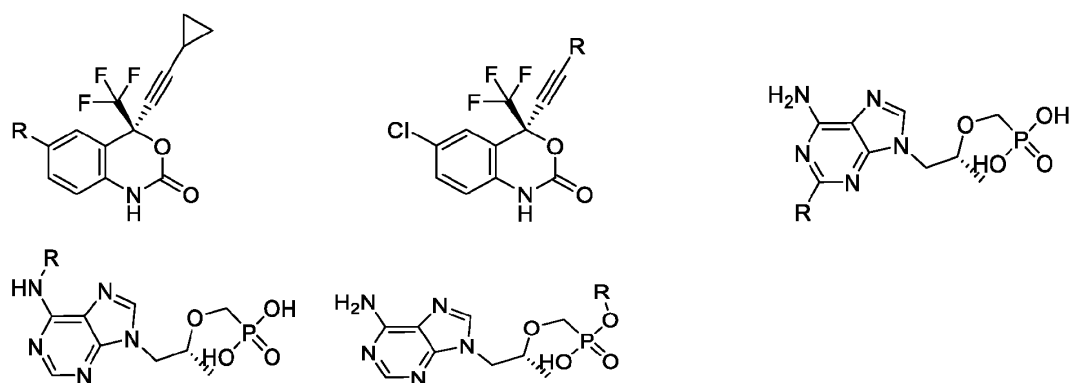


FIG. 3F

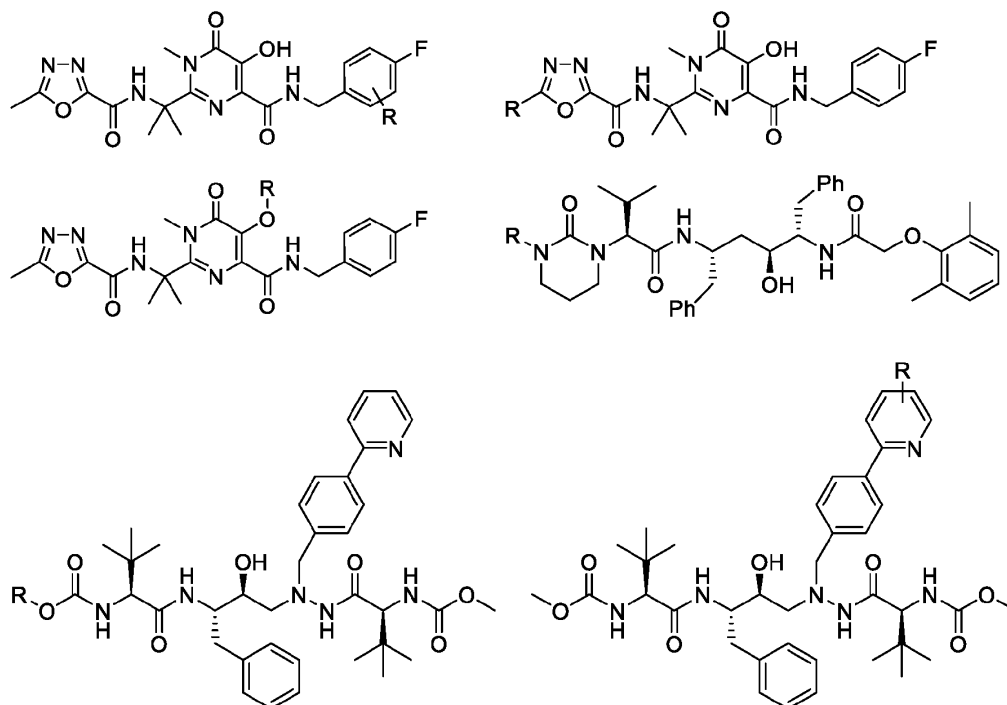


FIG. 3G

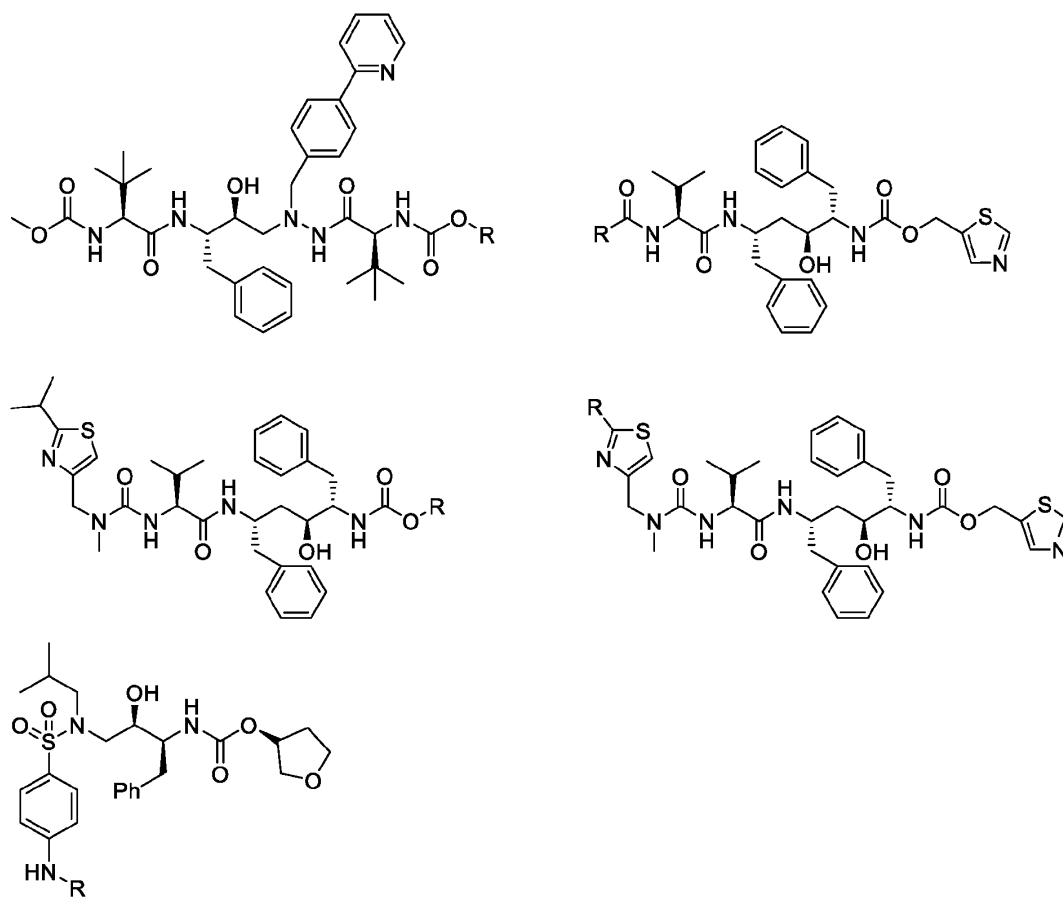


FIG. 3H



FIG. 3I

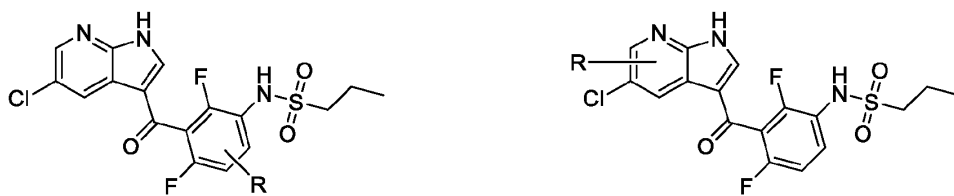


FIG. 3J

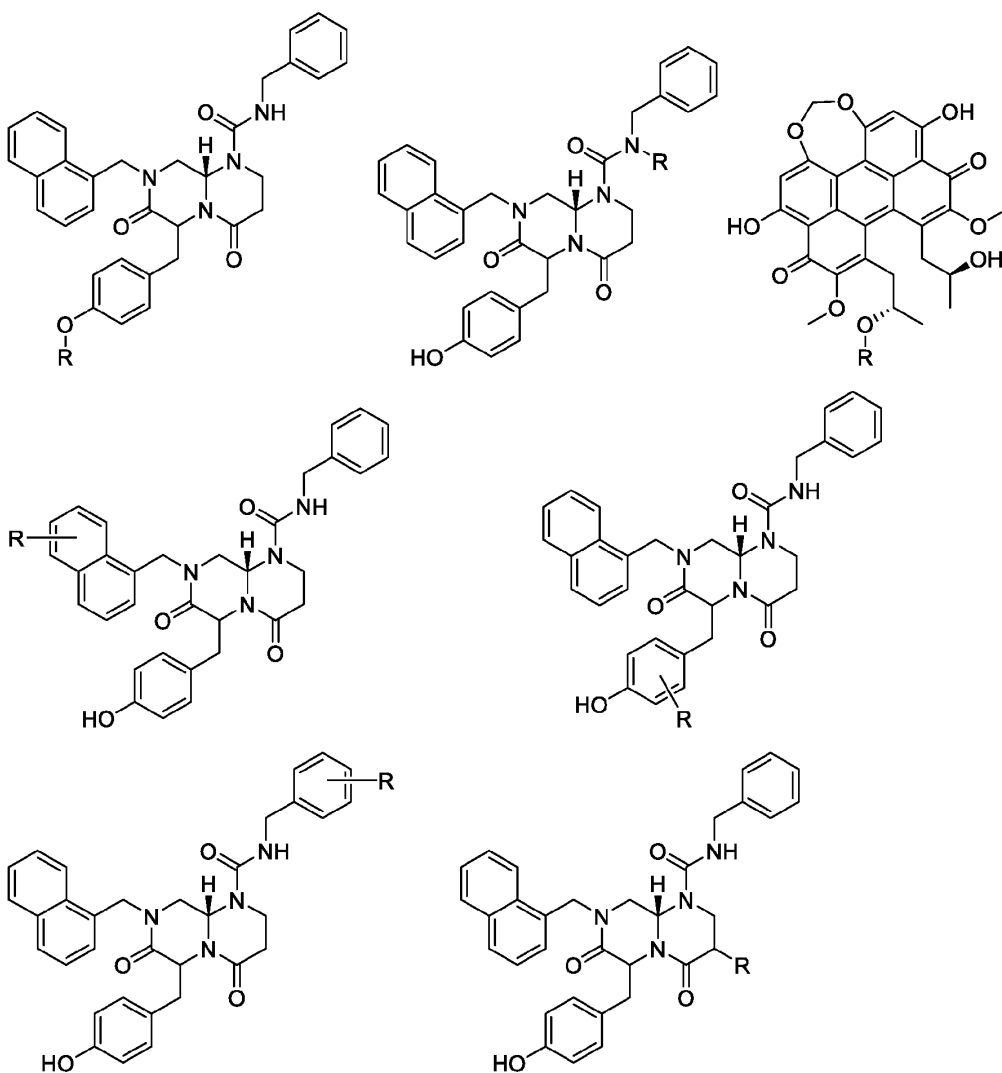


FIG. 3K

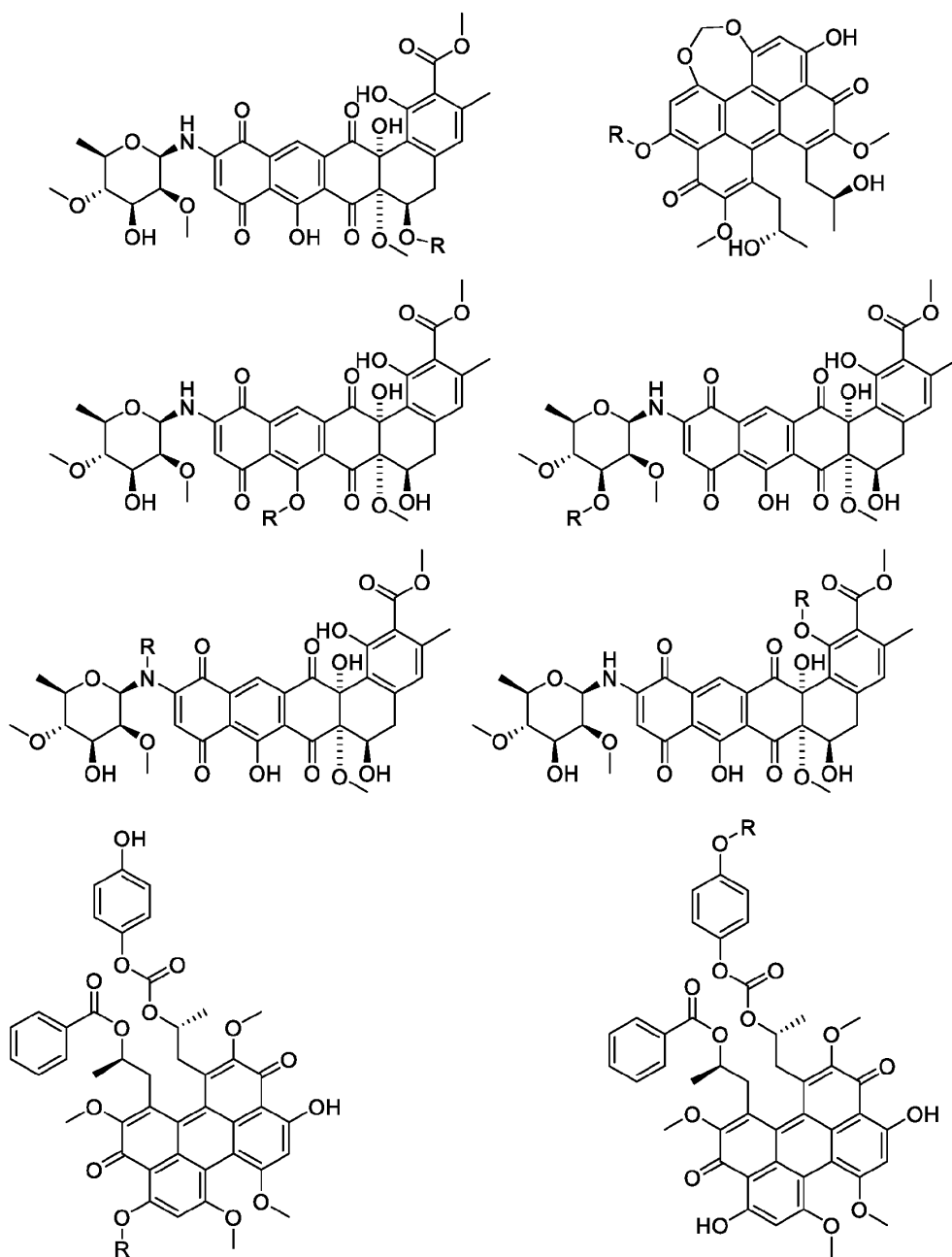




FIG. 3L

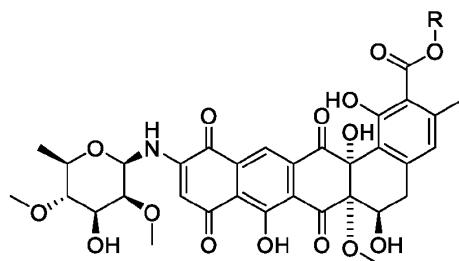


FIG. 3M

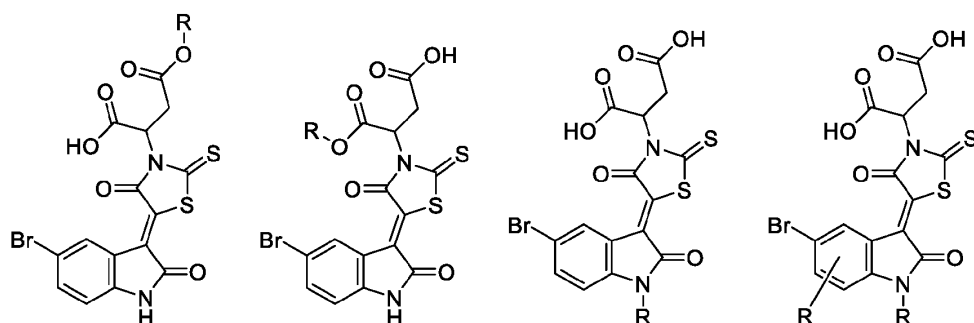


FIG. 3N

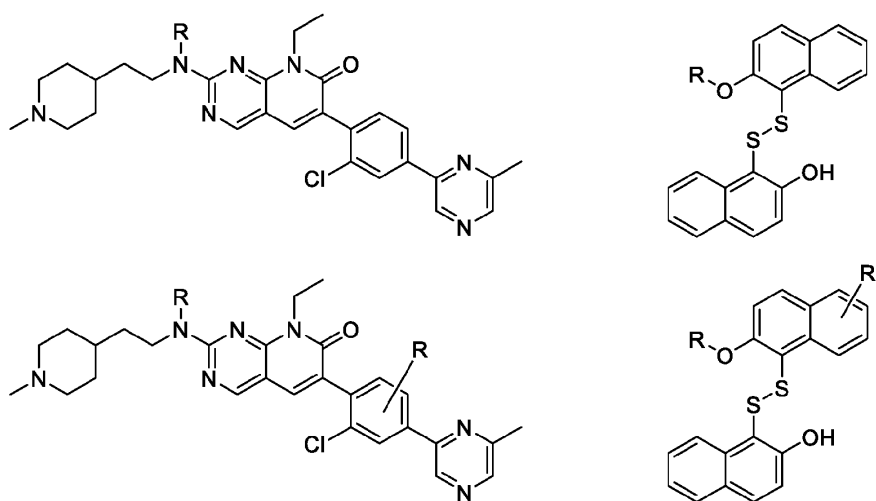


FIG. 3O

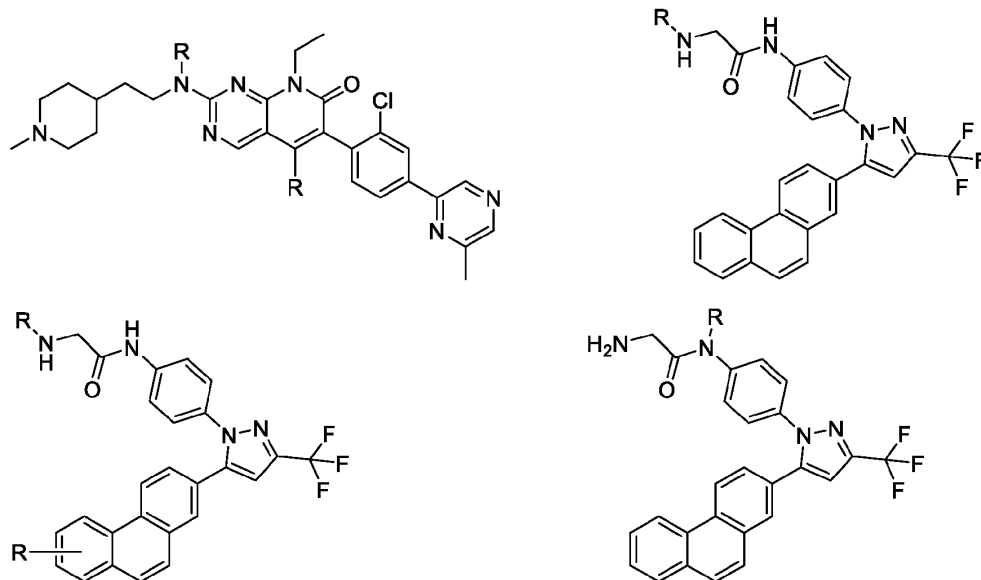


FIG. 3P

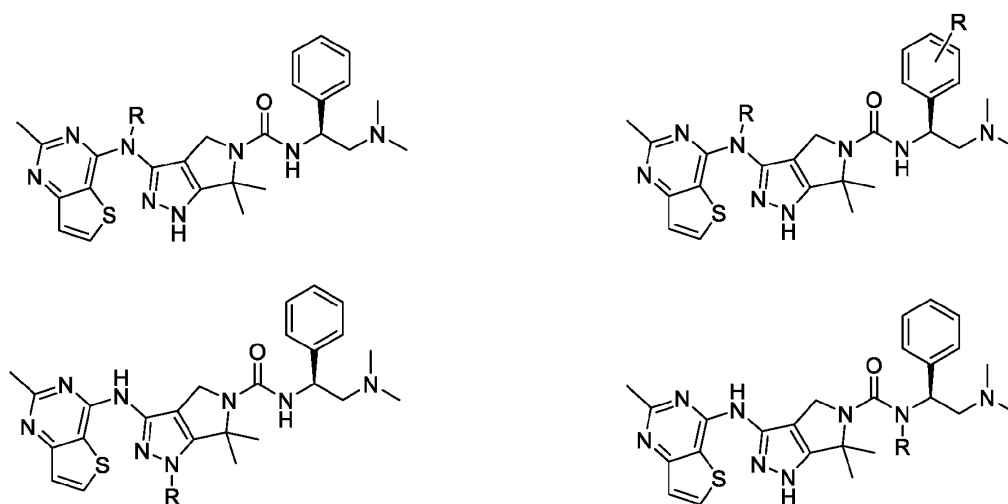


FIG. 3Q

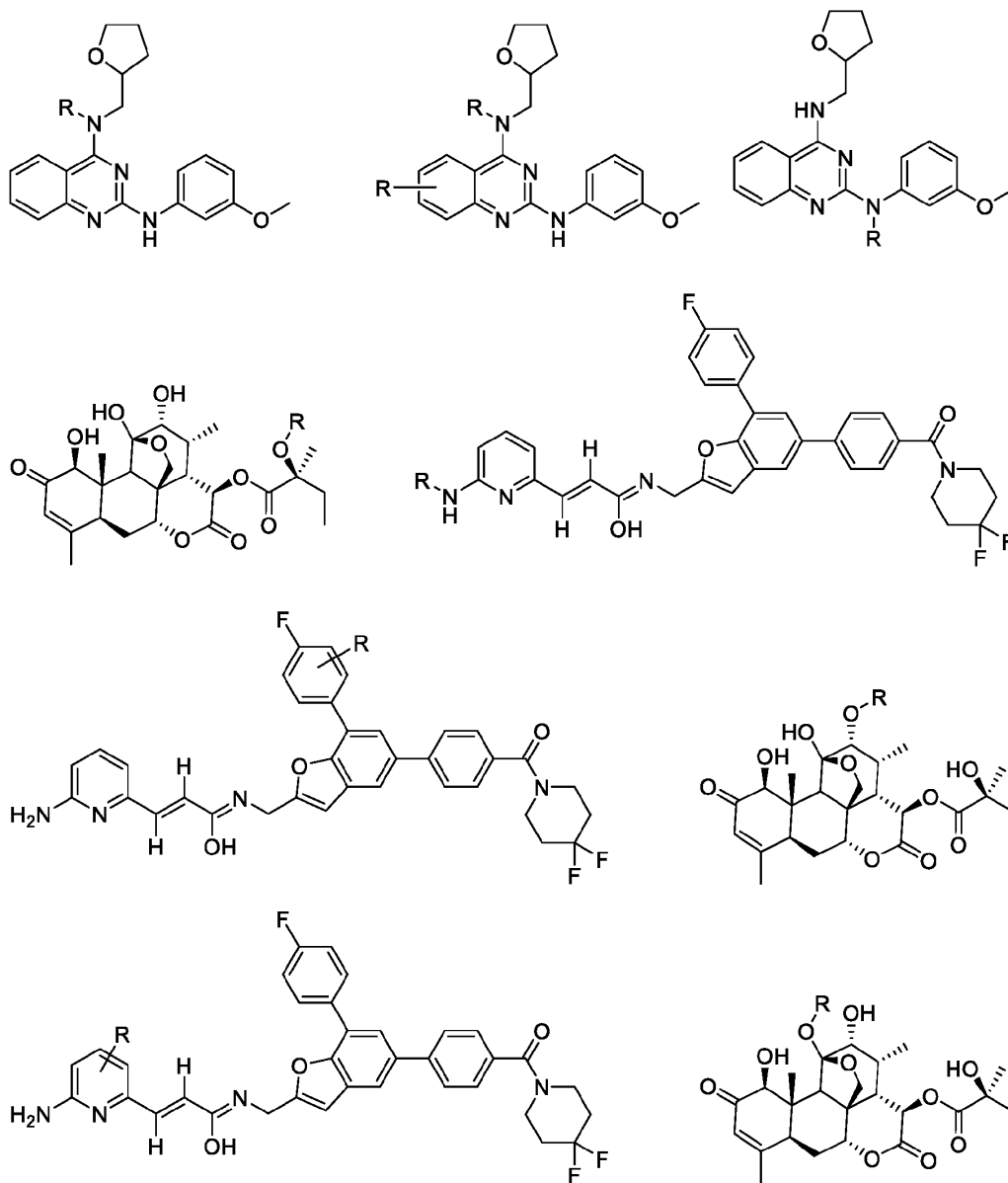


FIG. 3R

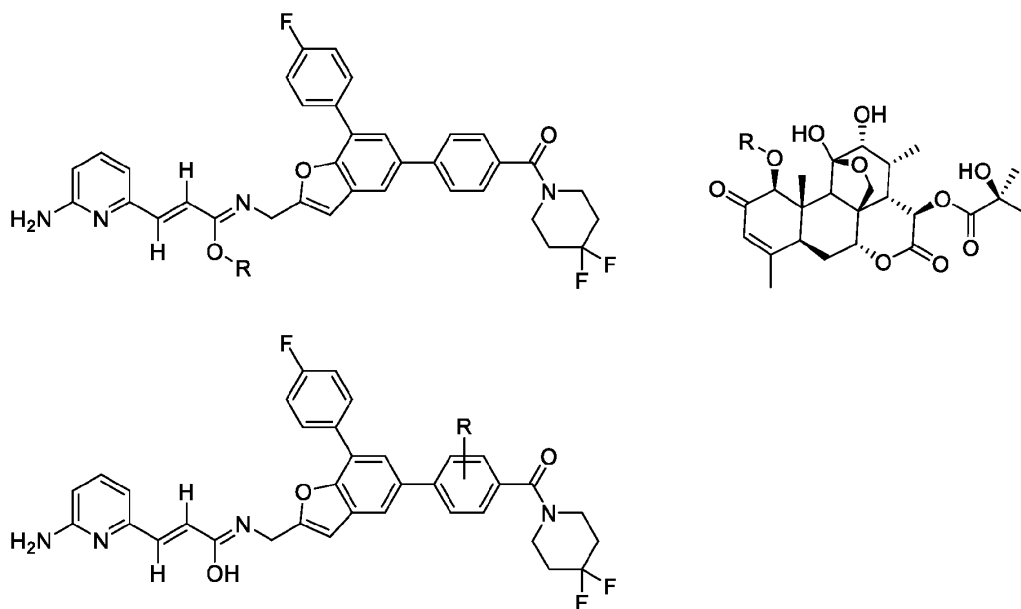


FIG. 3S

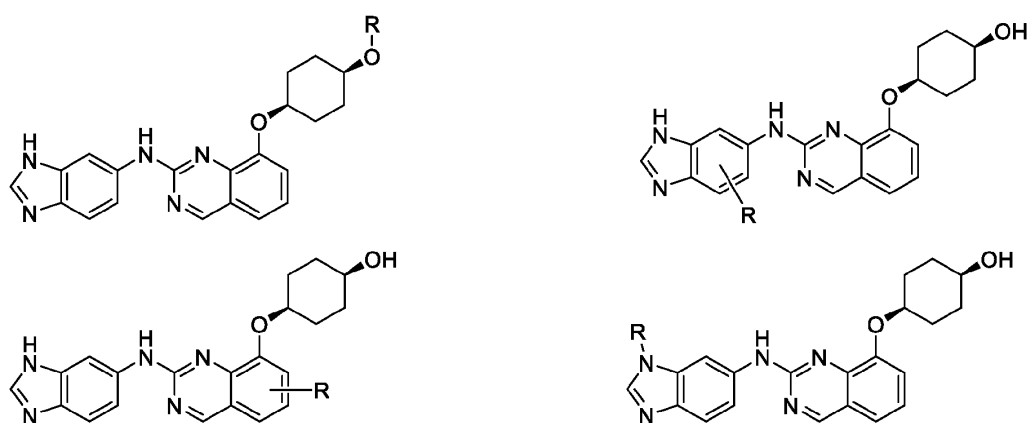


FIG. 3T

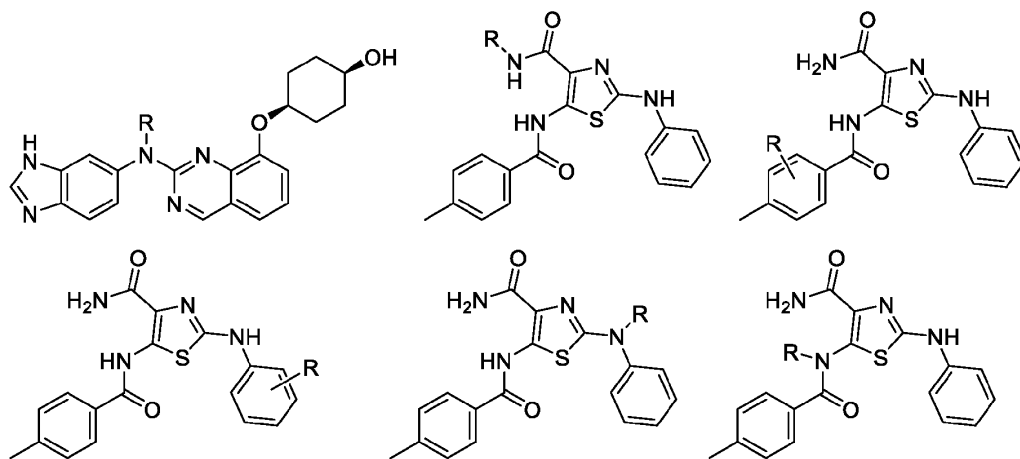


FIG. 3U

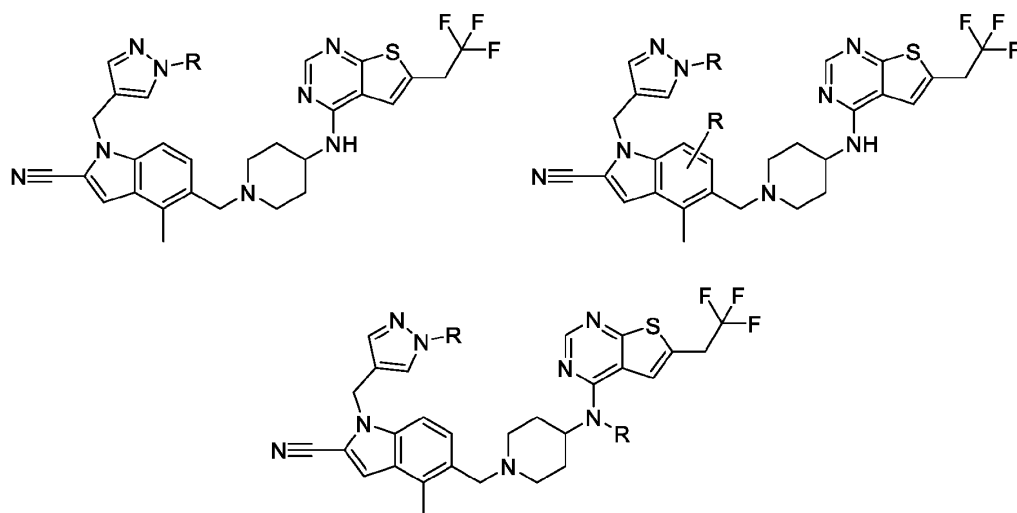


FIG. 3V

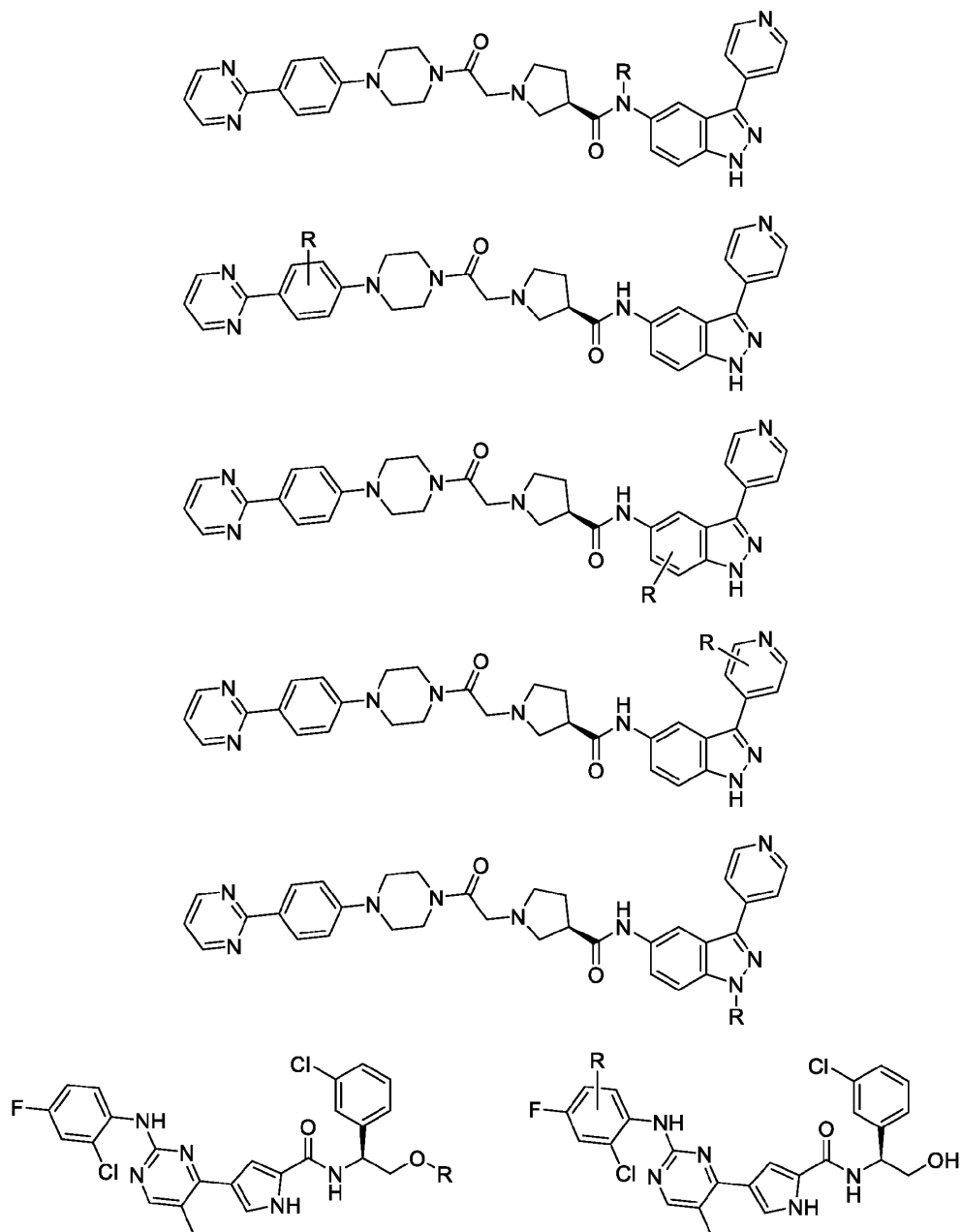


FIG. 3W

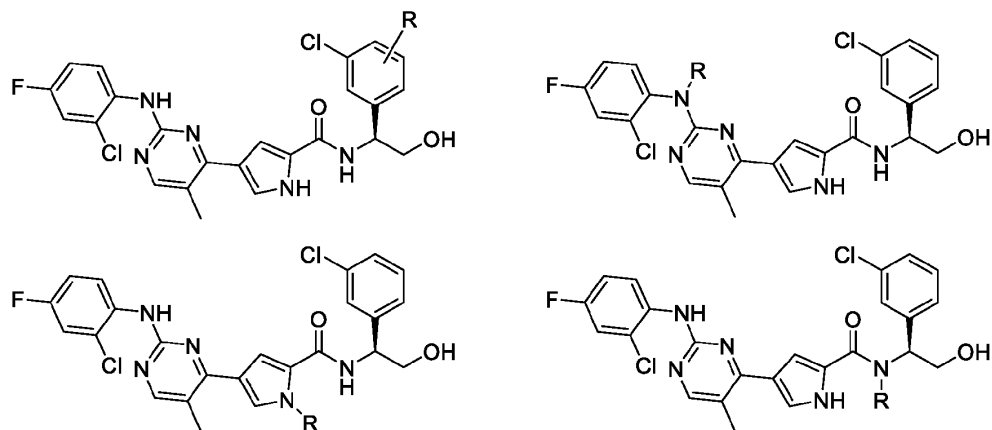


FIG. 3X

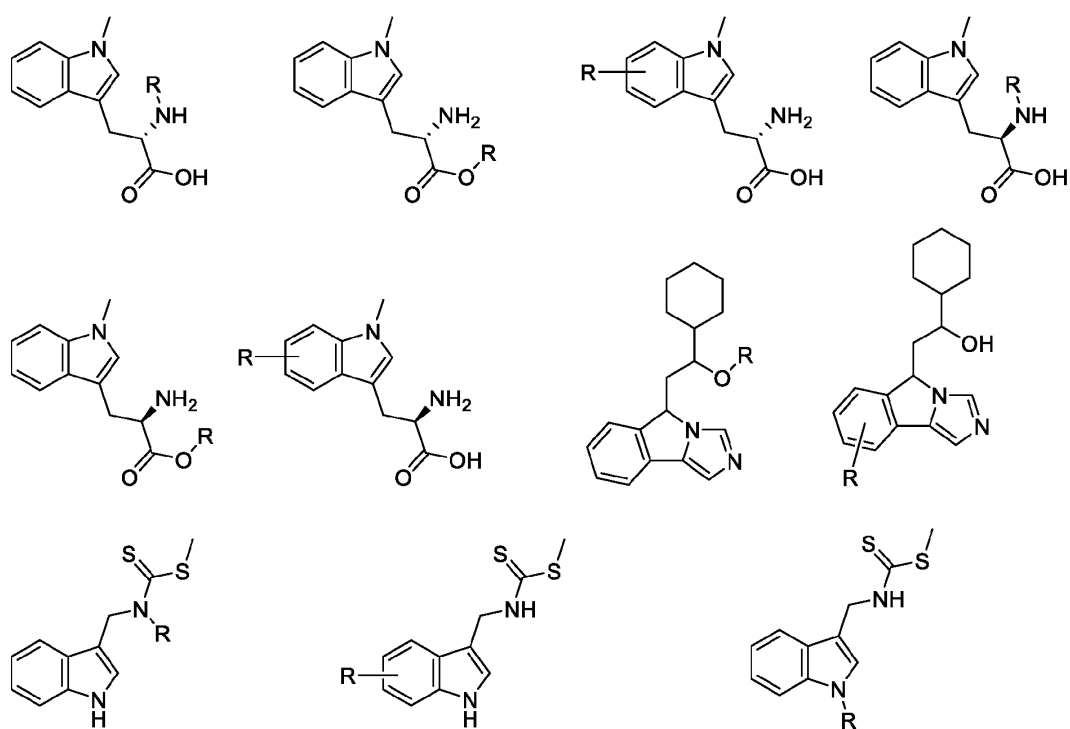


FIG. 3Y

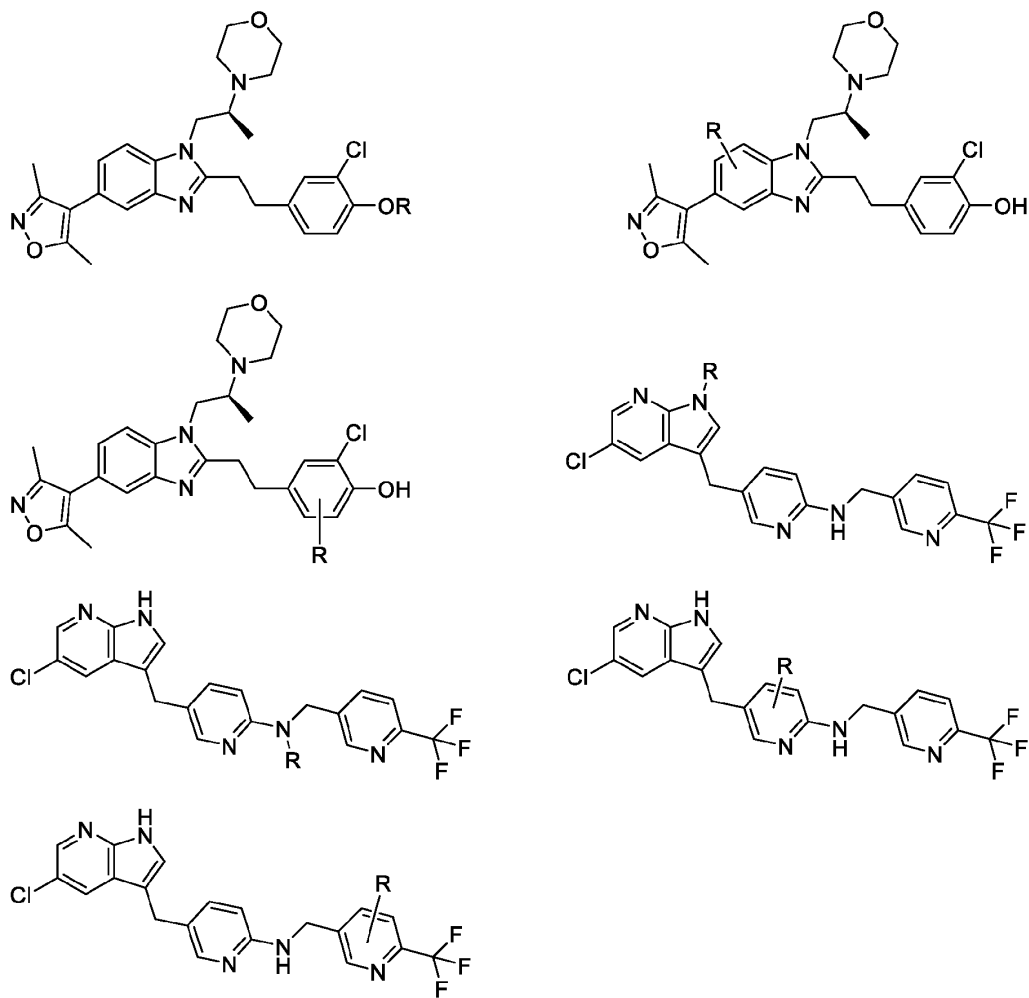


FIG. 3Z

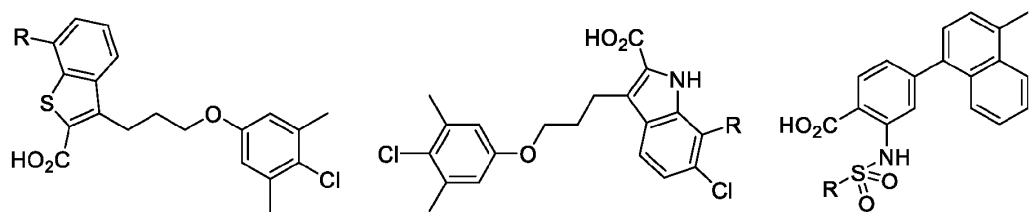




FIG. 3AA

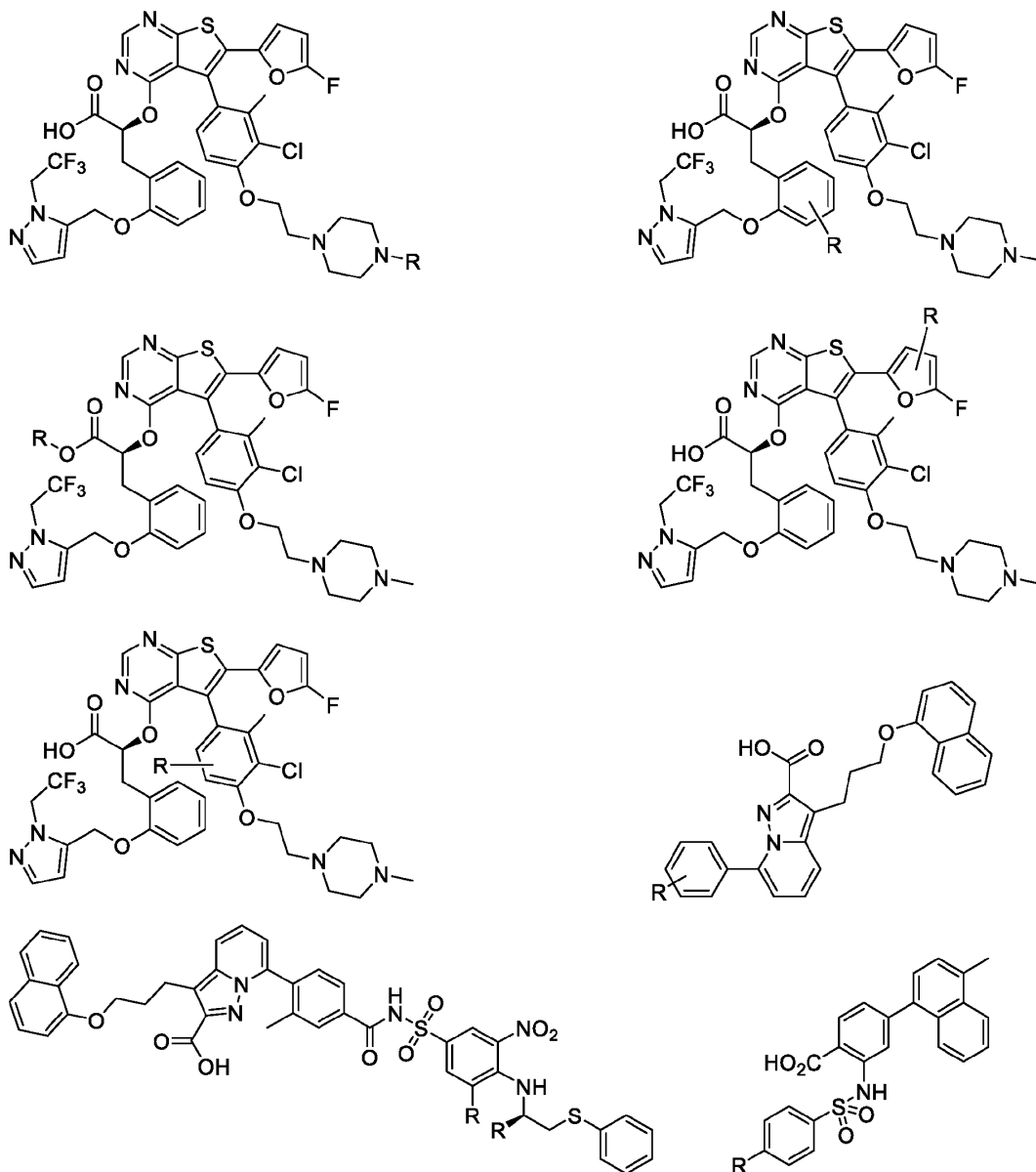


FIG. 3BB

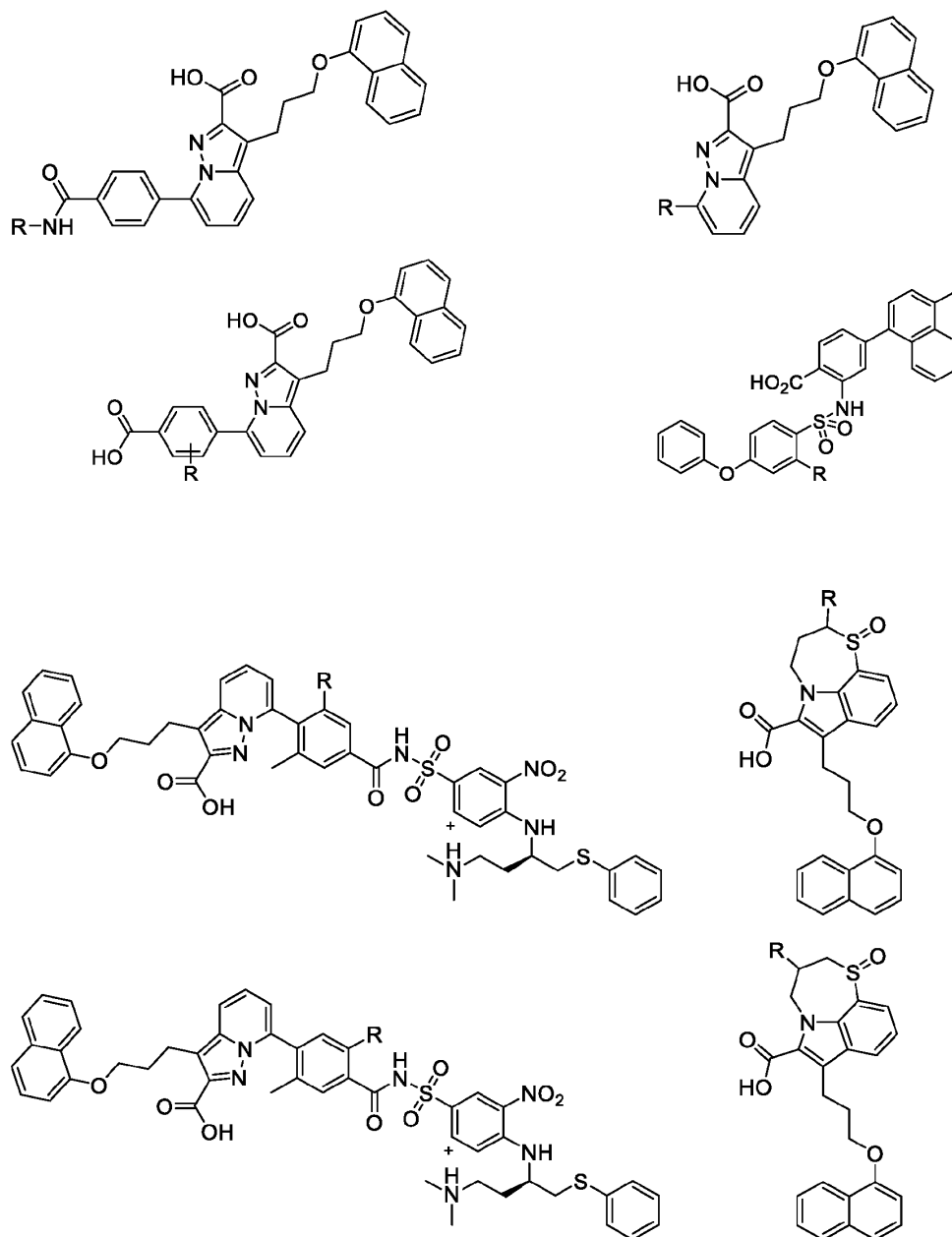


FIG. 3CC

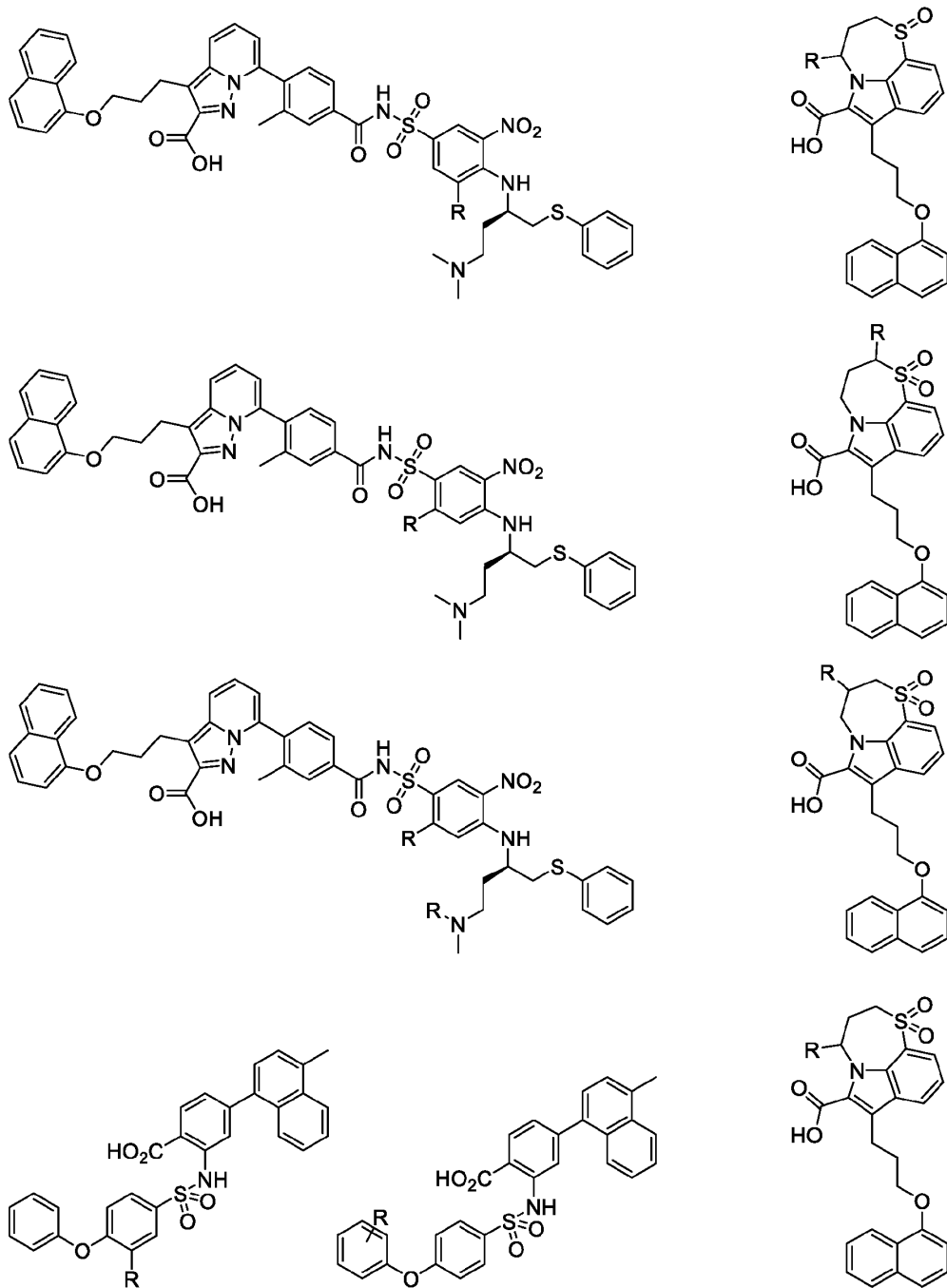


FIG. 3DD

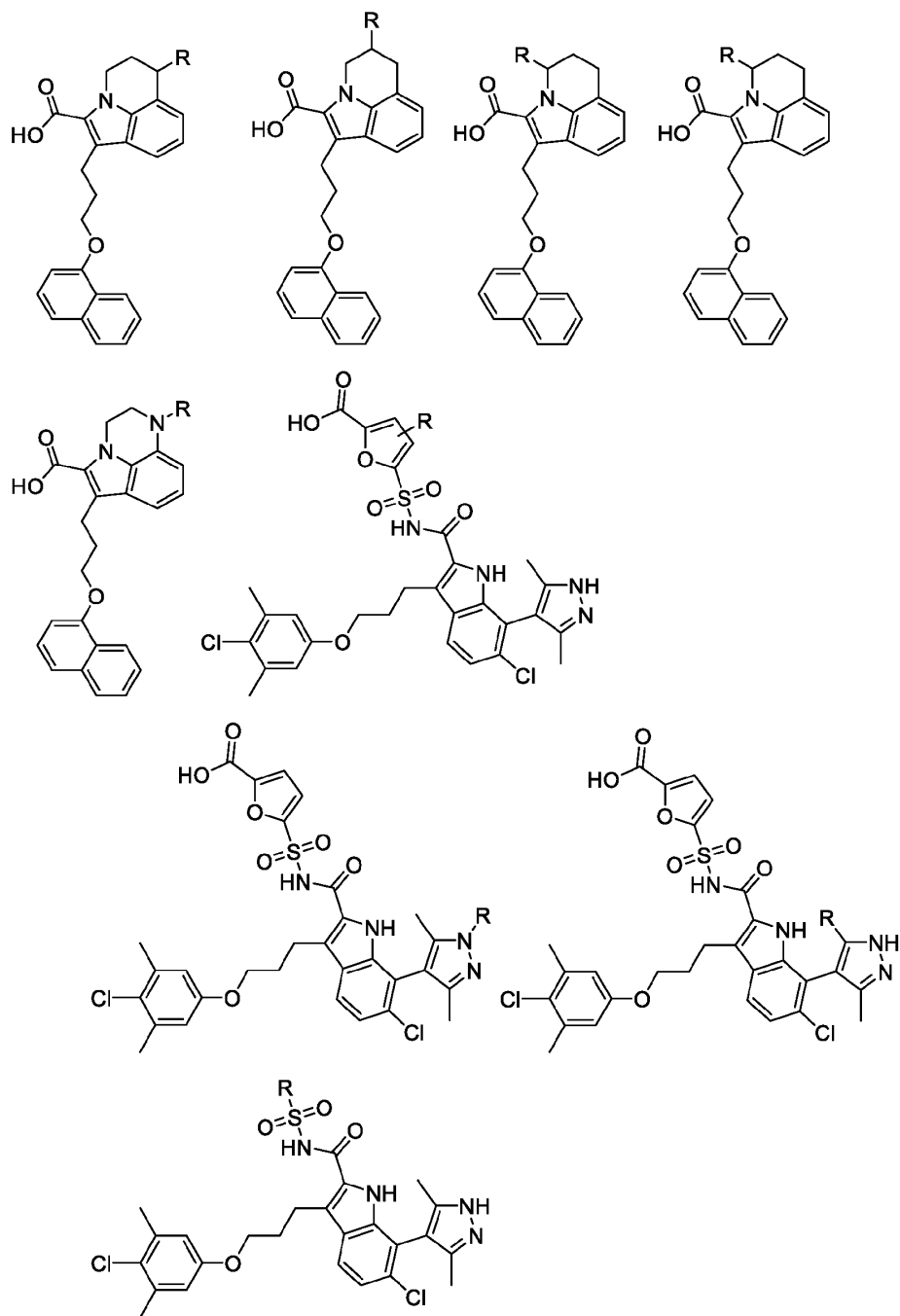


FIG. 3EE

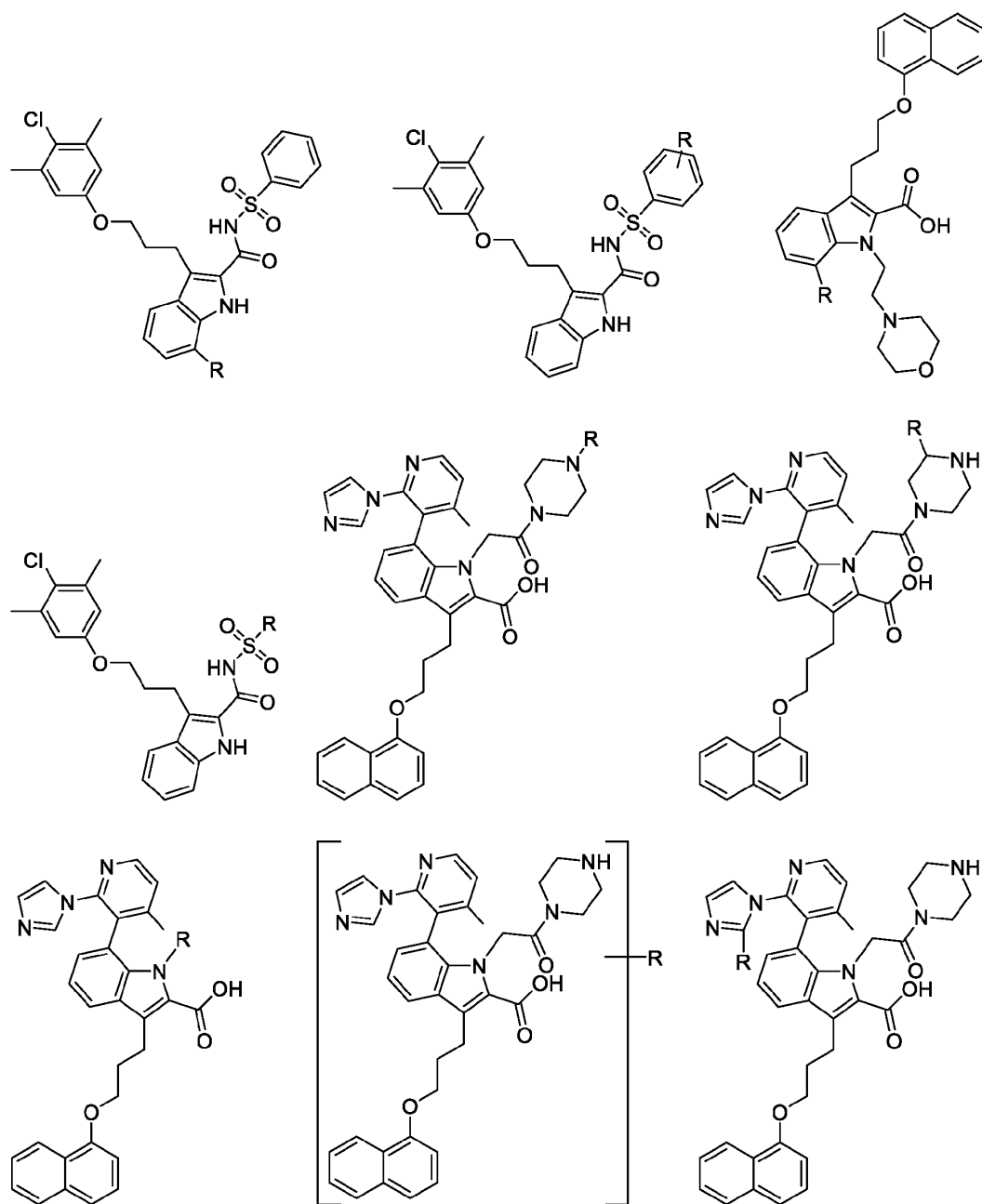


FIG. 3FF

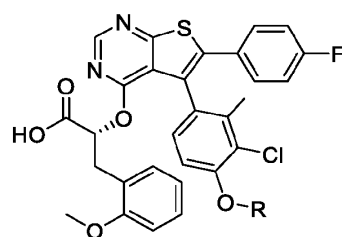
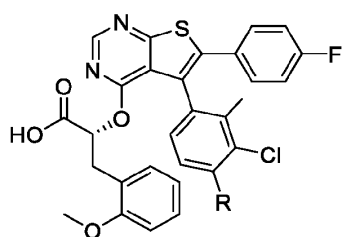
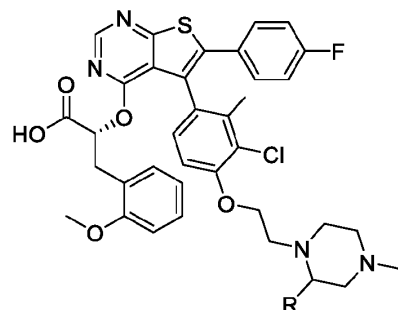
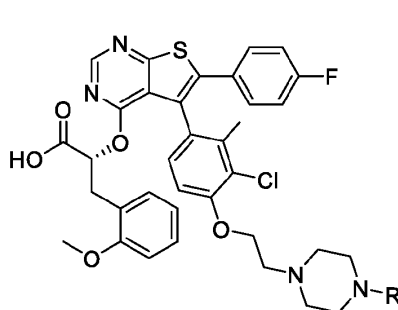
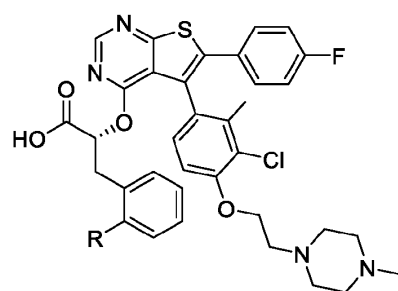
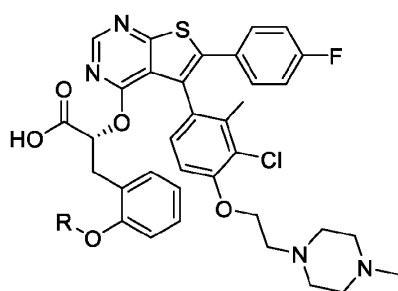
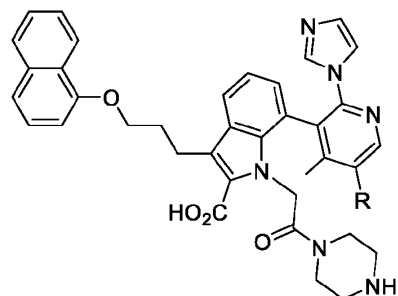
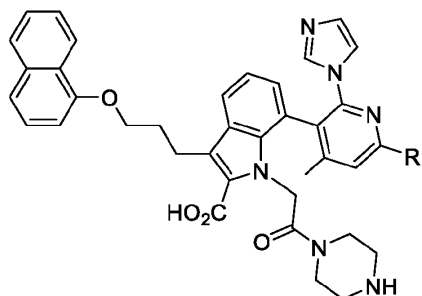


FIG. 3GG

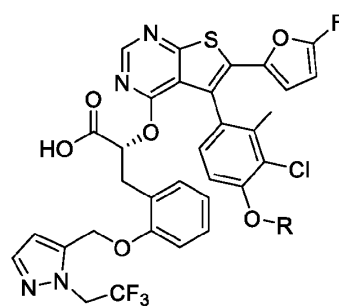
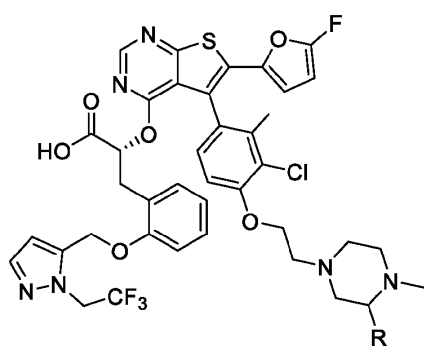
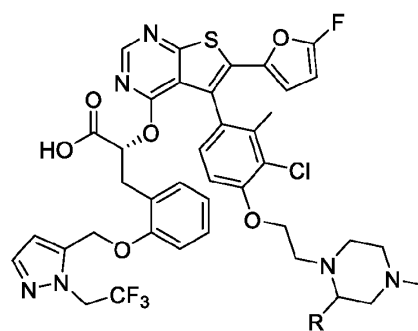
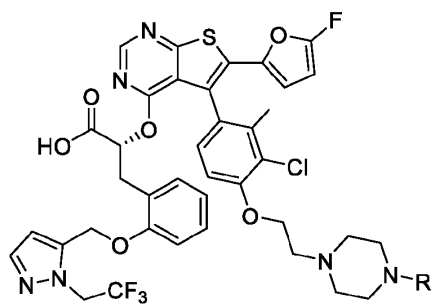
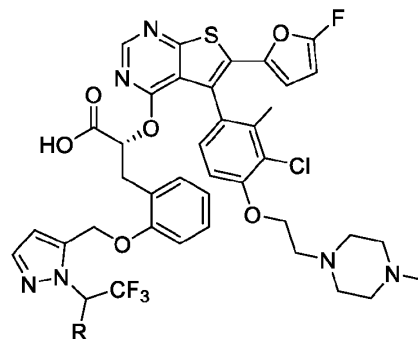
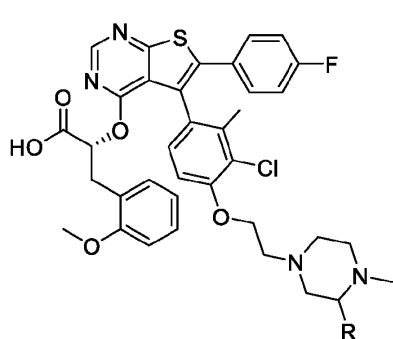


FIG. 3HH

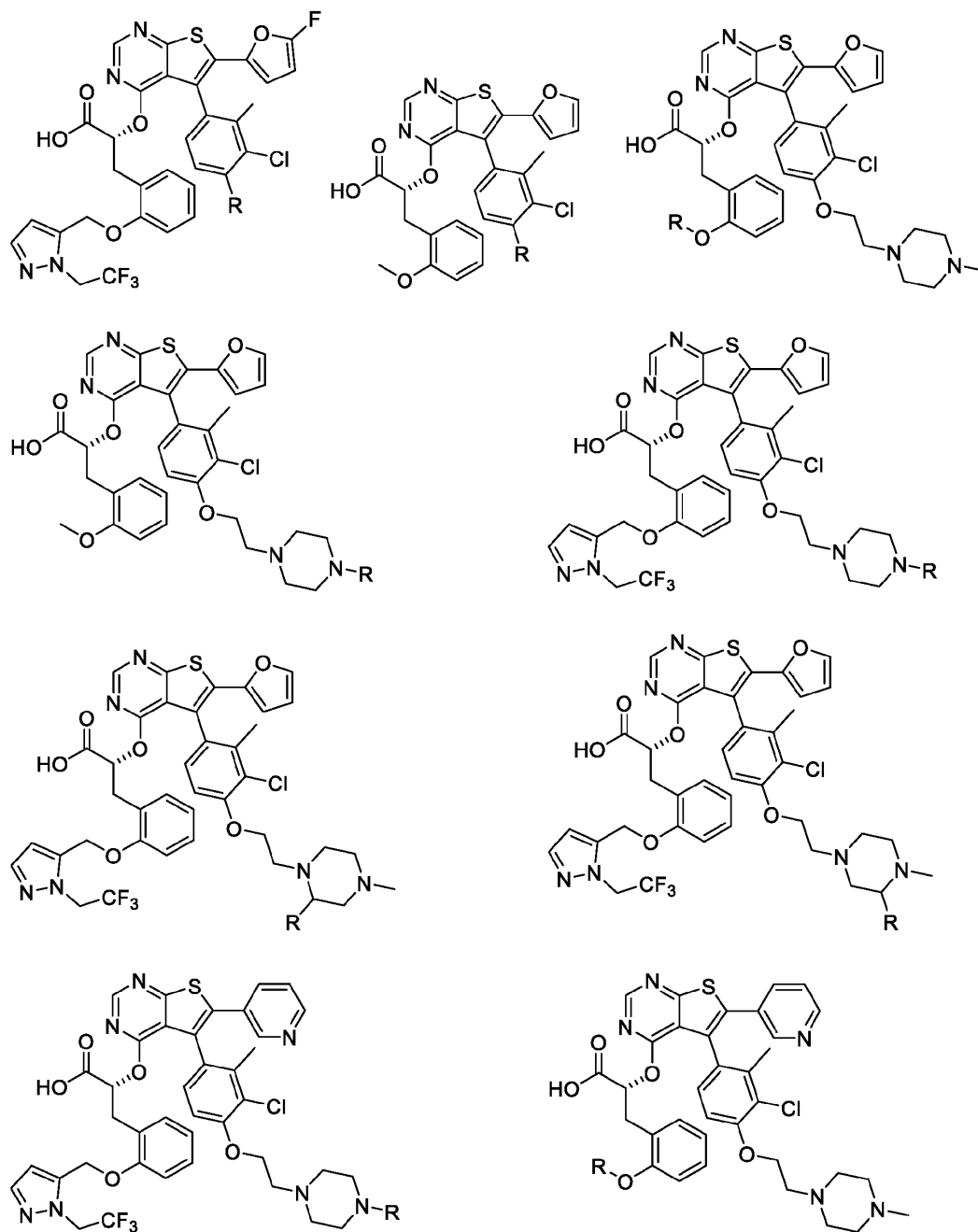




FIG. 3II

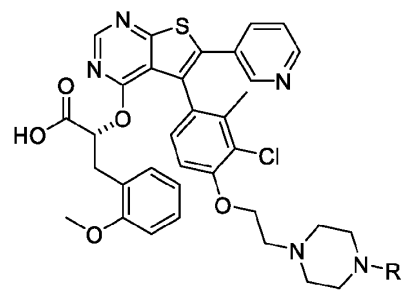
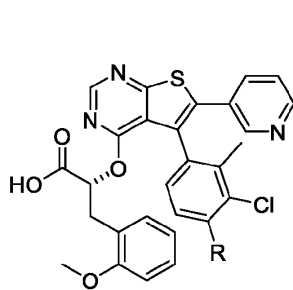
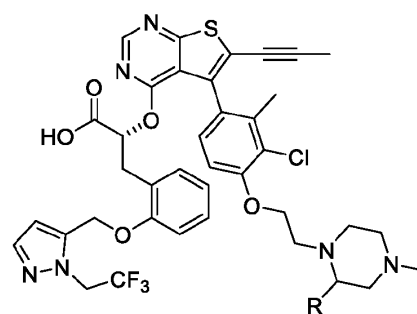
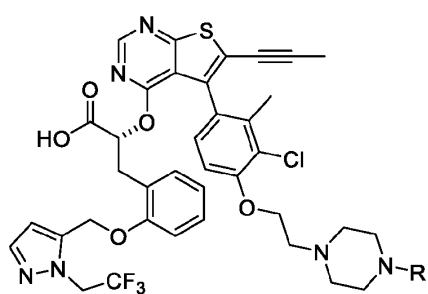
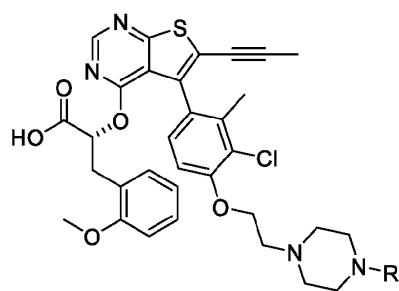
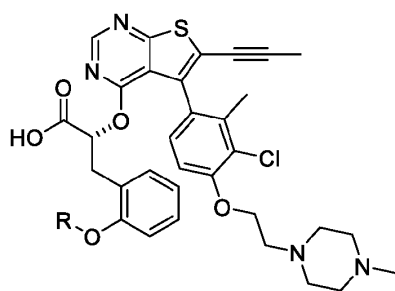
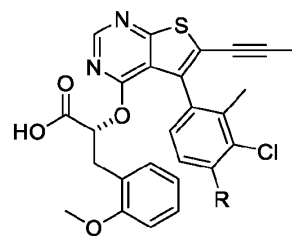
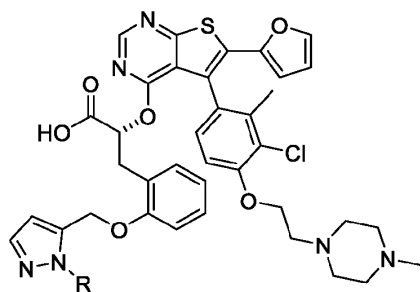




FIG. 3KK

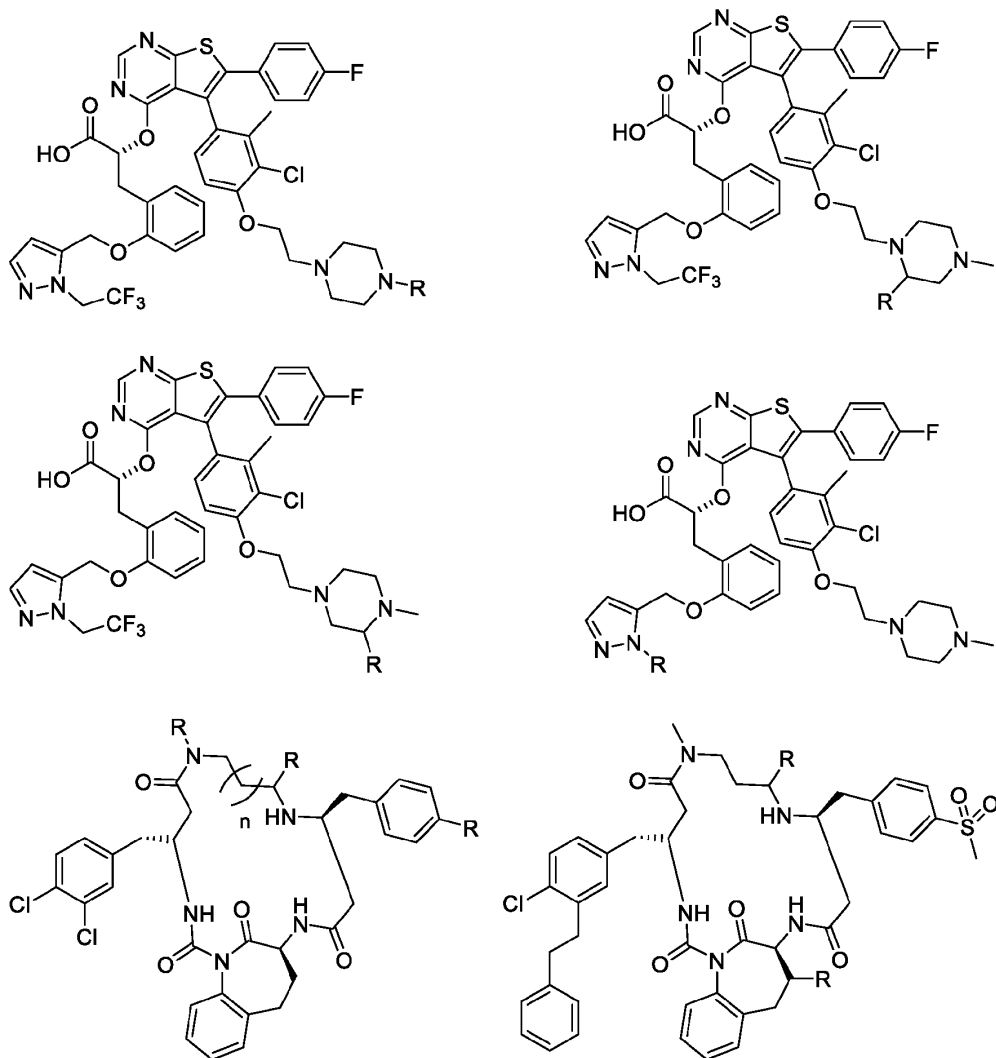


FIG. 3LL

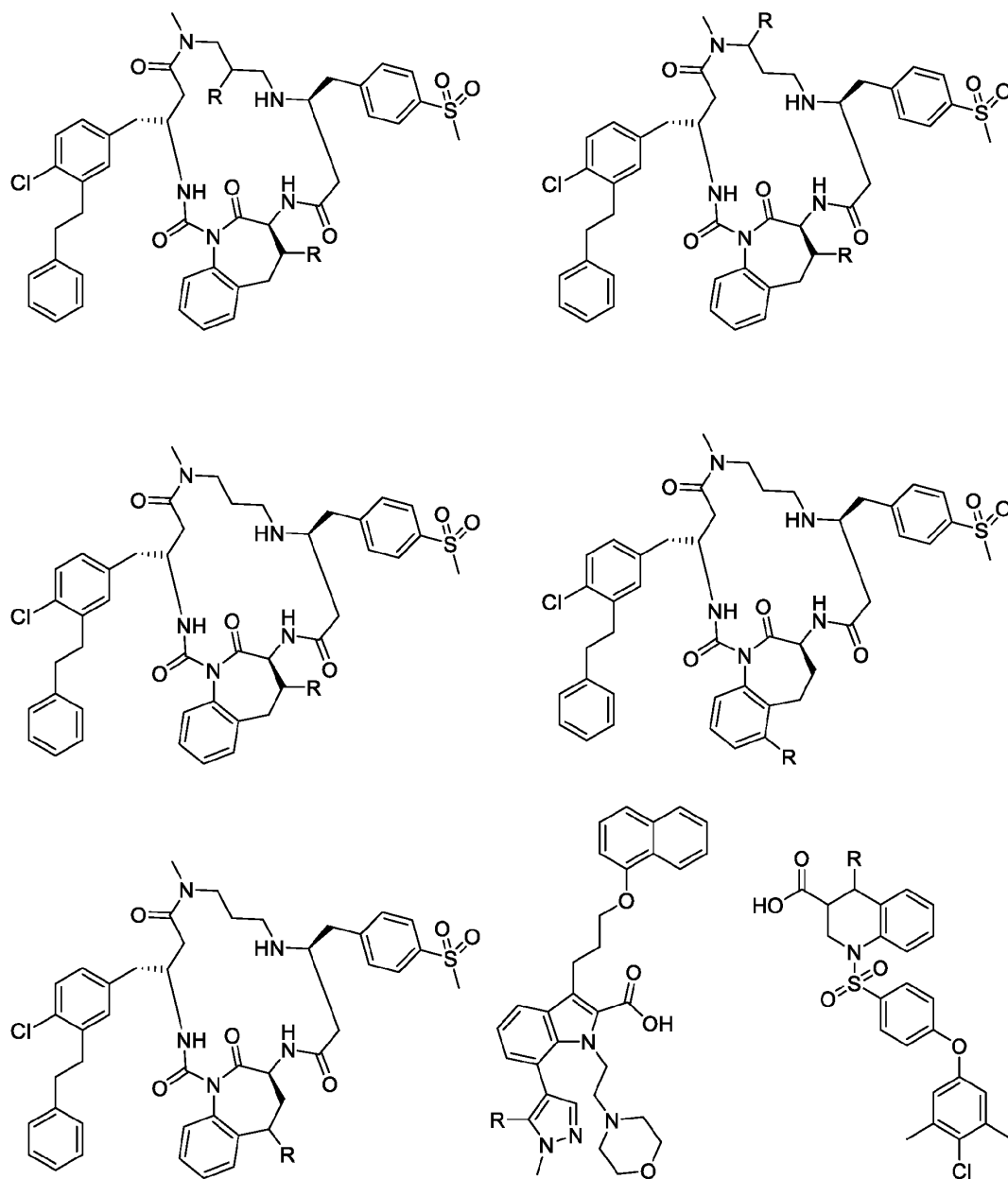


FIG. 3MM

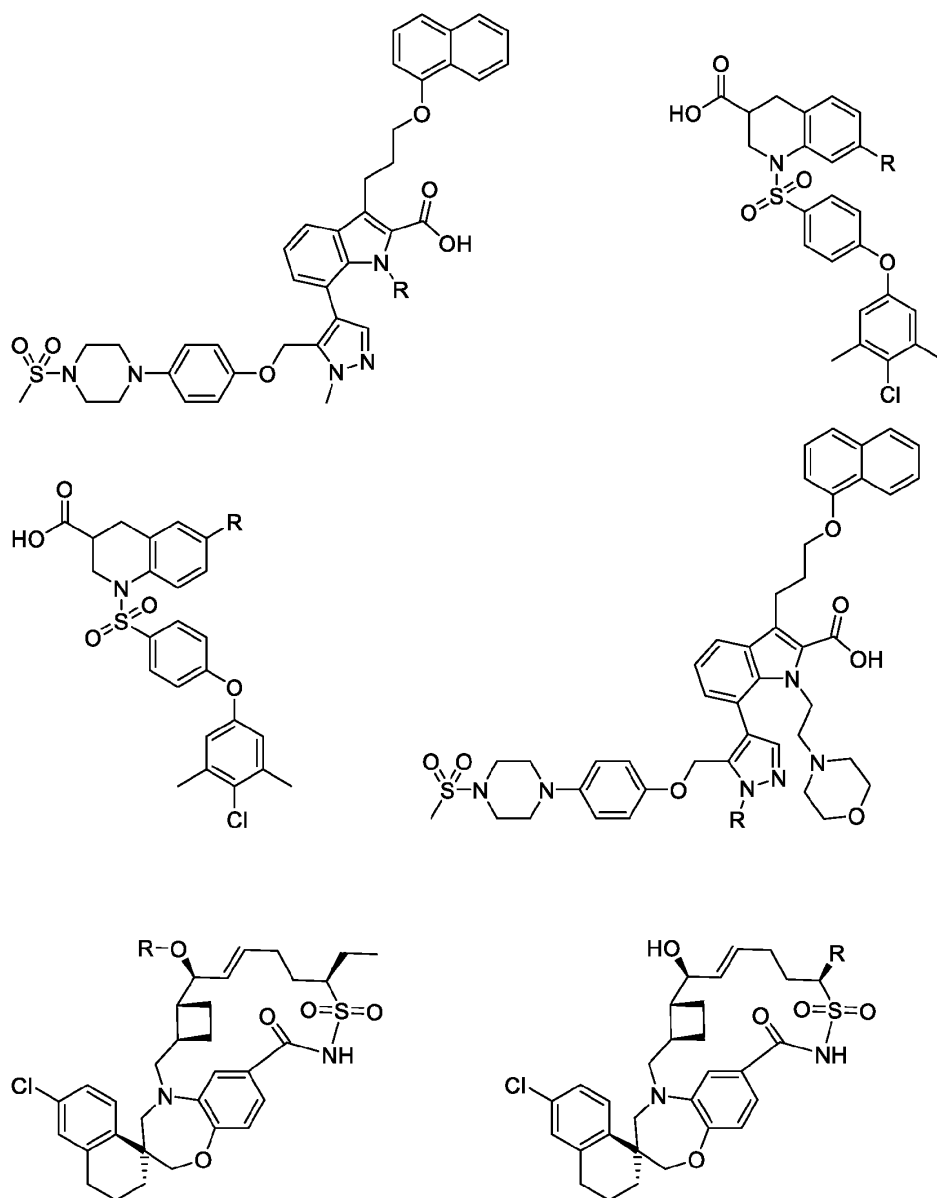


FIG. 3NN

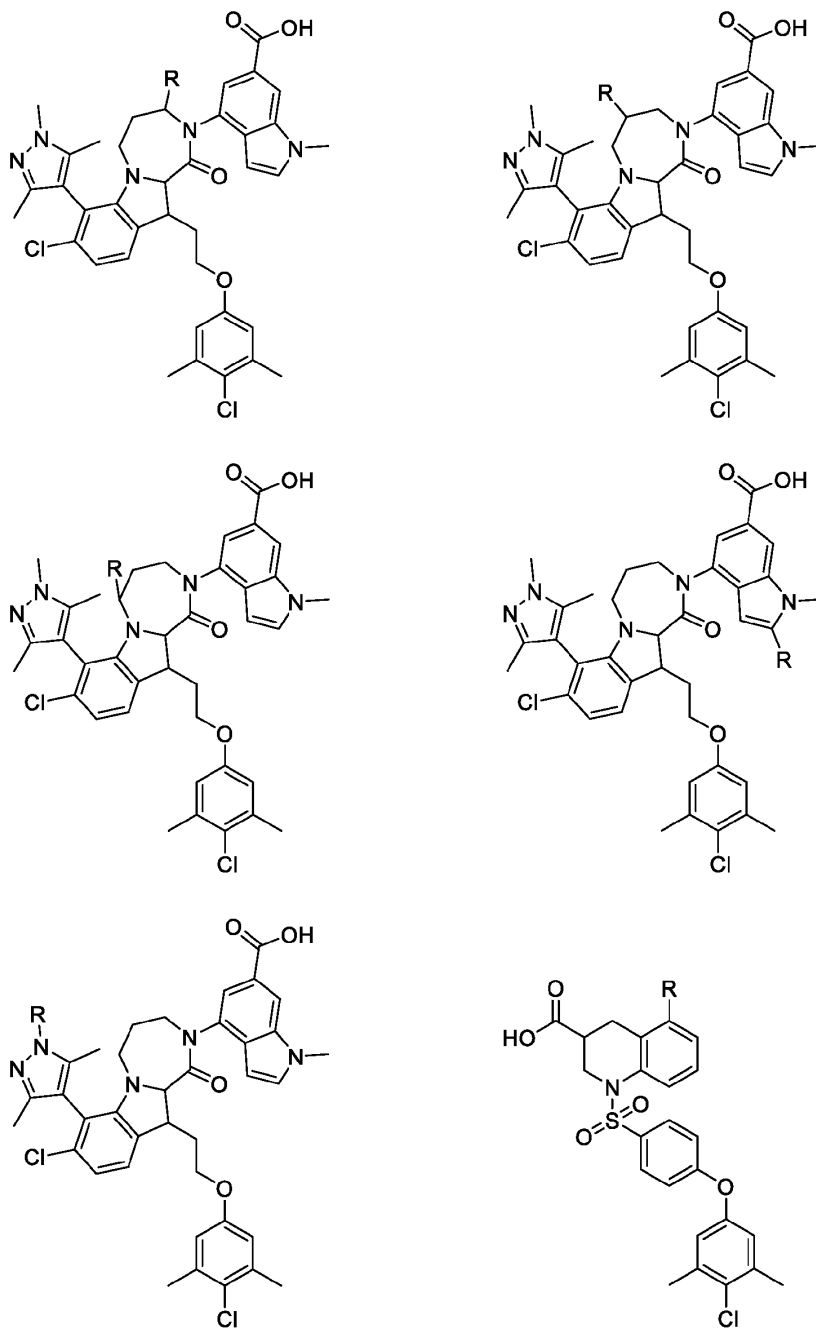


FIG. 300

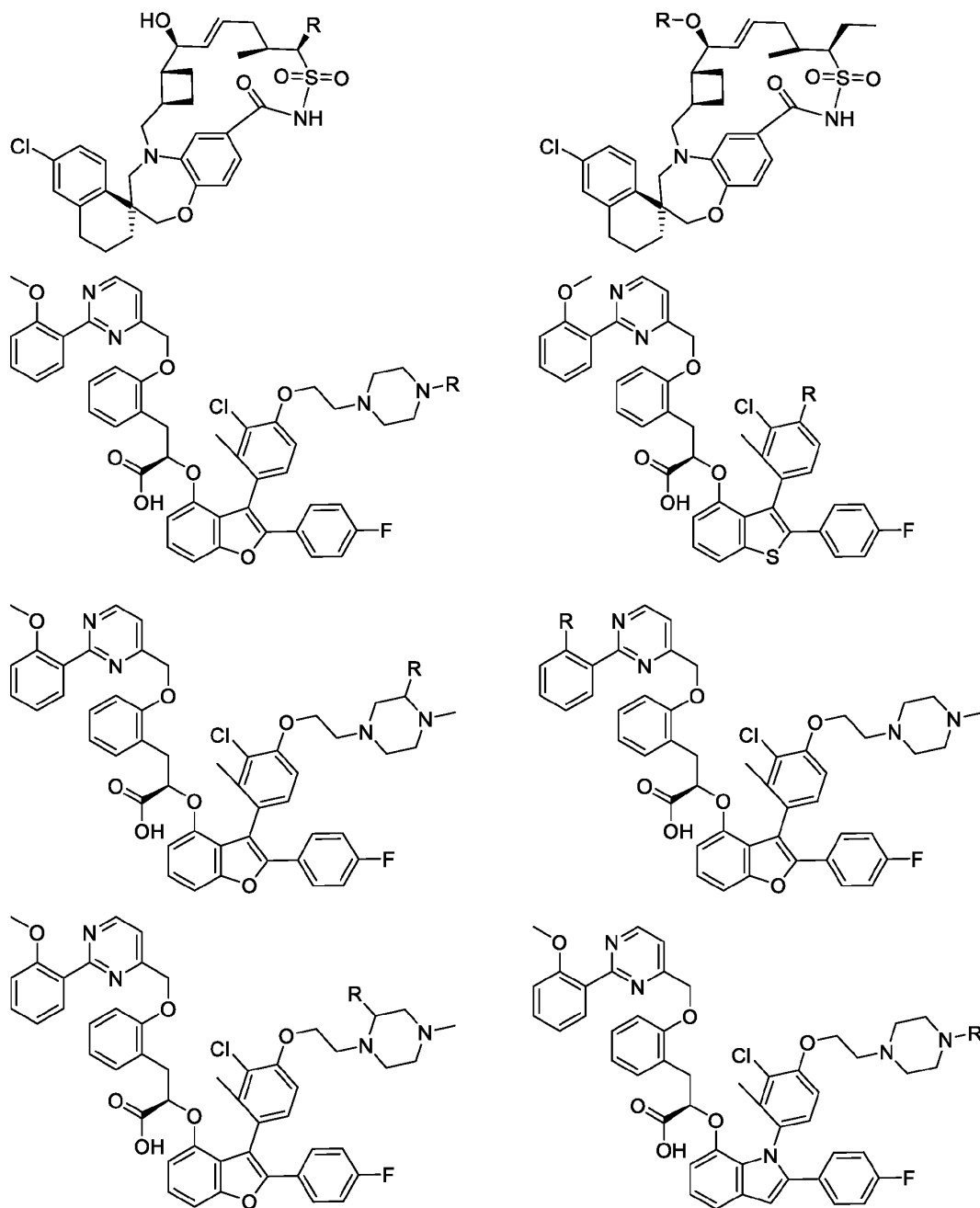


FIG. 3PP

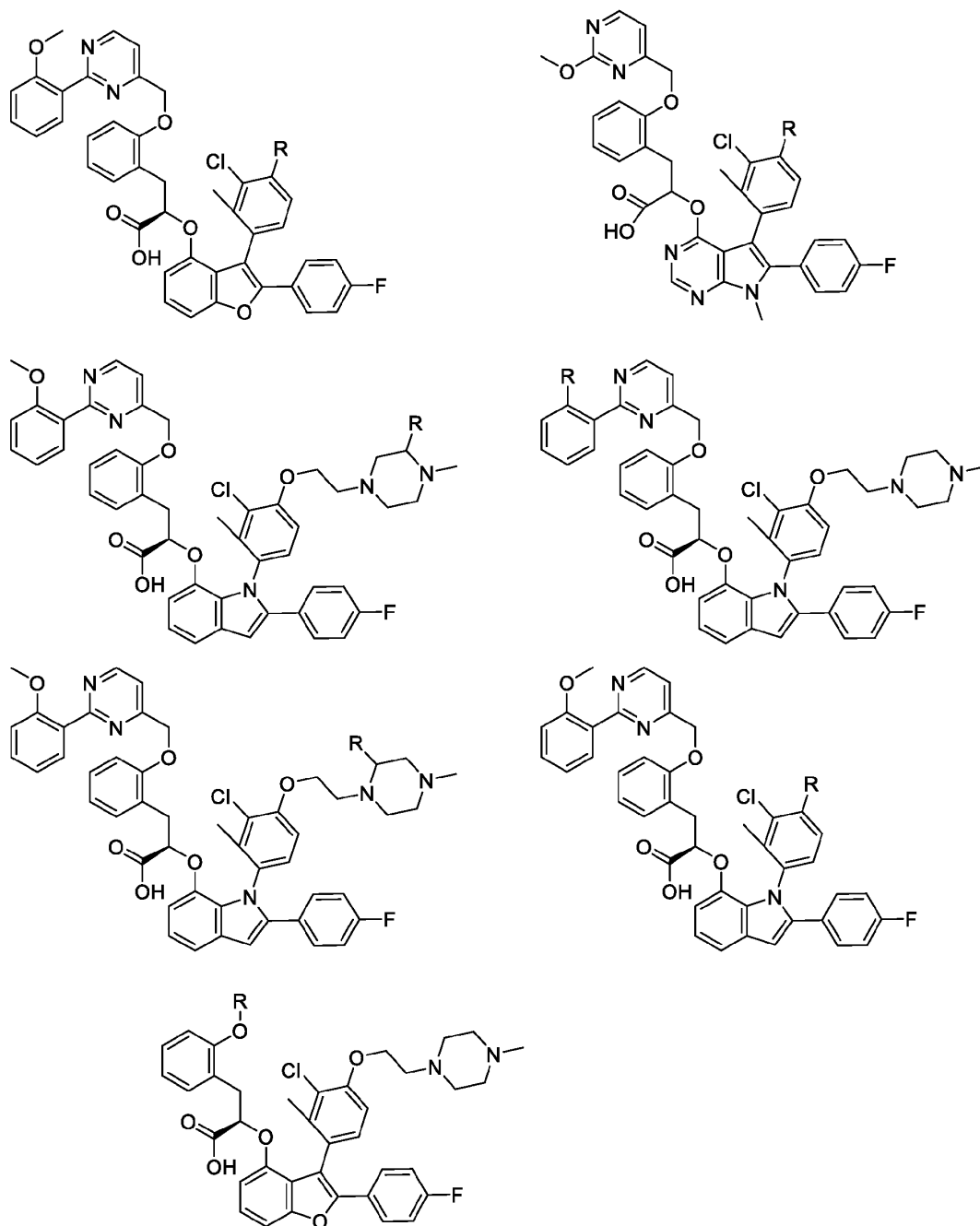




FIG. 3QQ

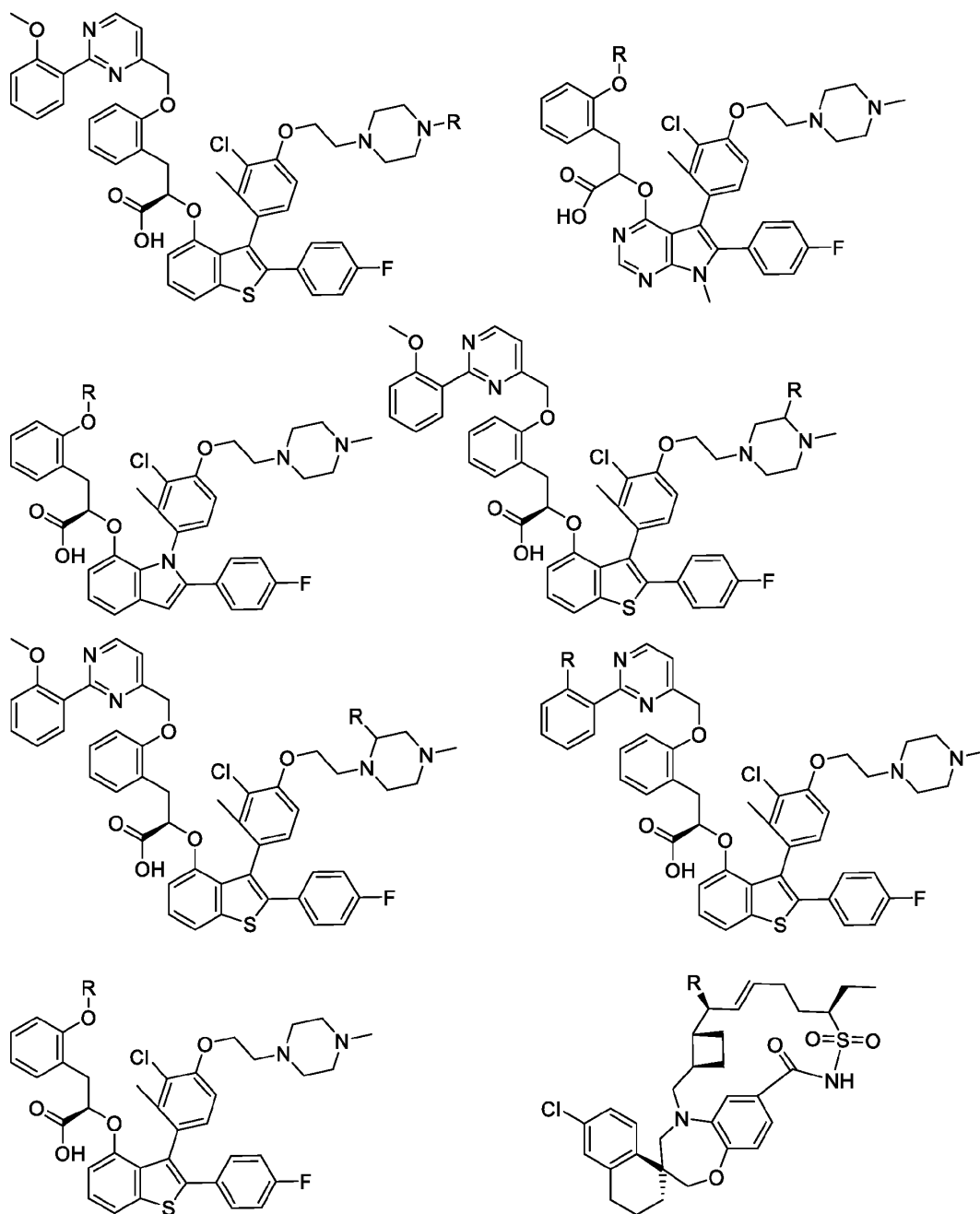


FIG. 3RR

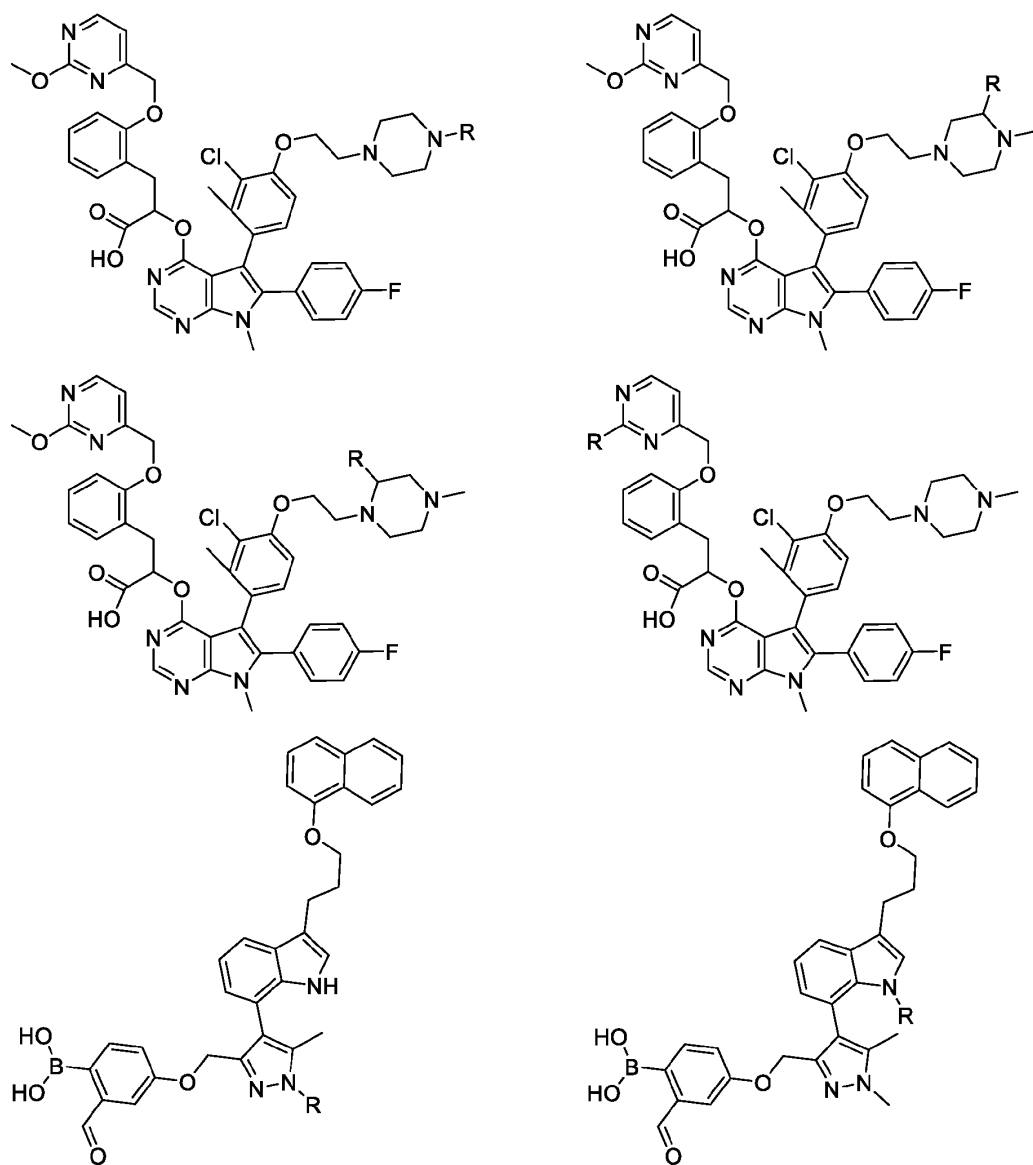


FIG. 3SS

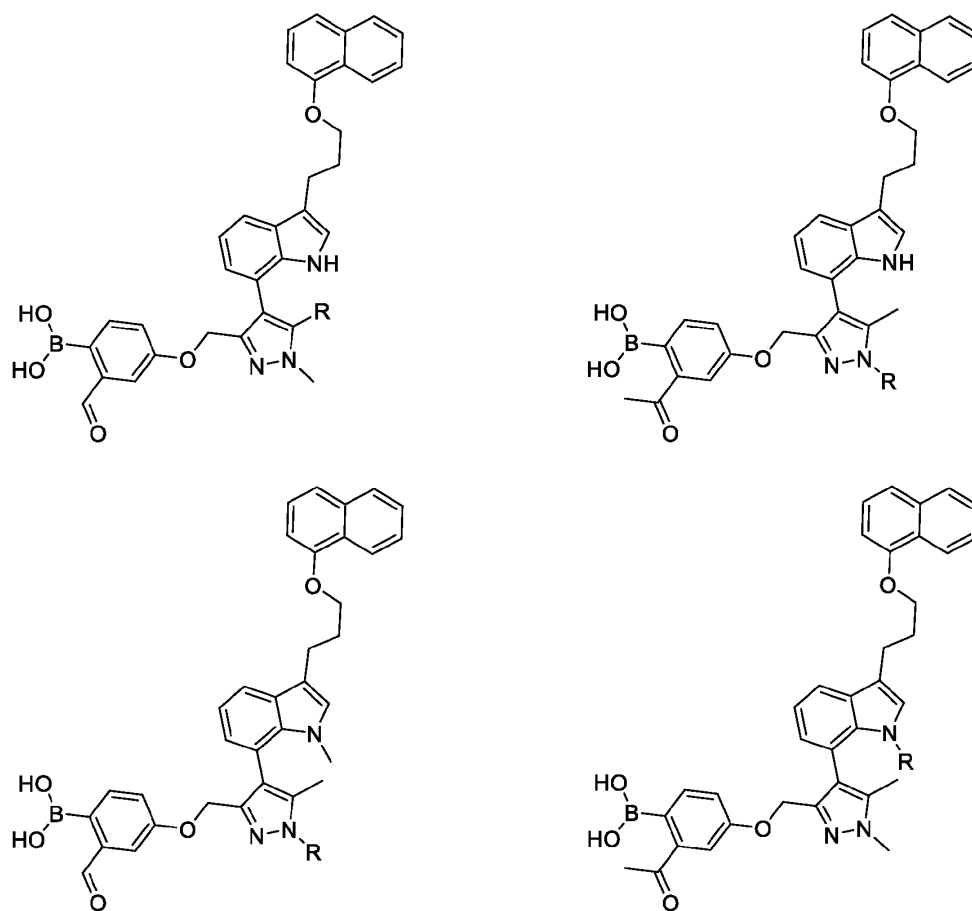


FIG. 3TT

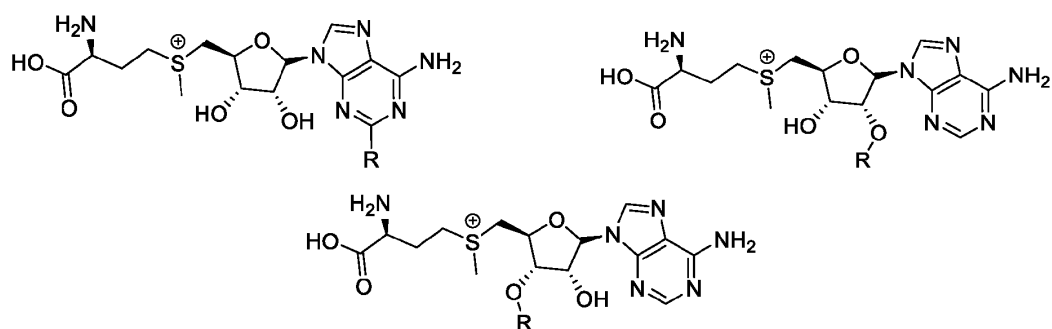


FIG. 3UU

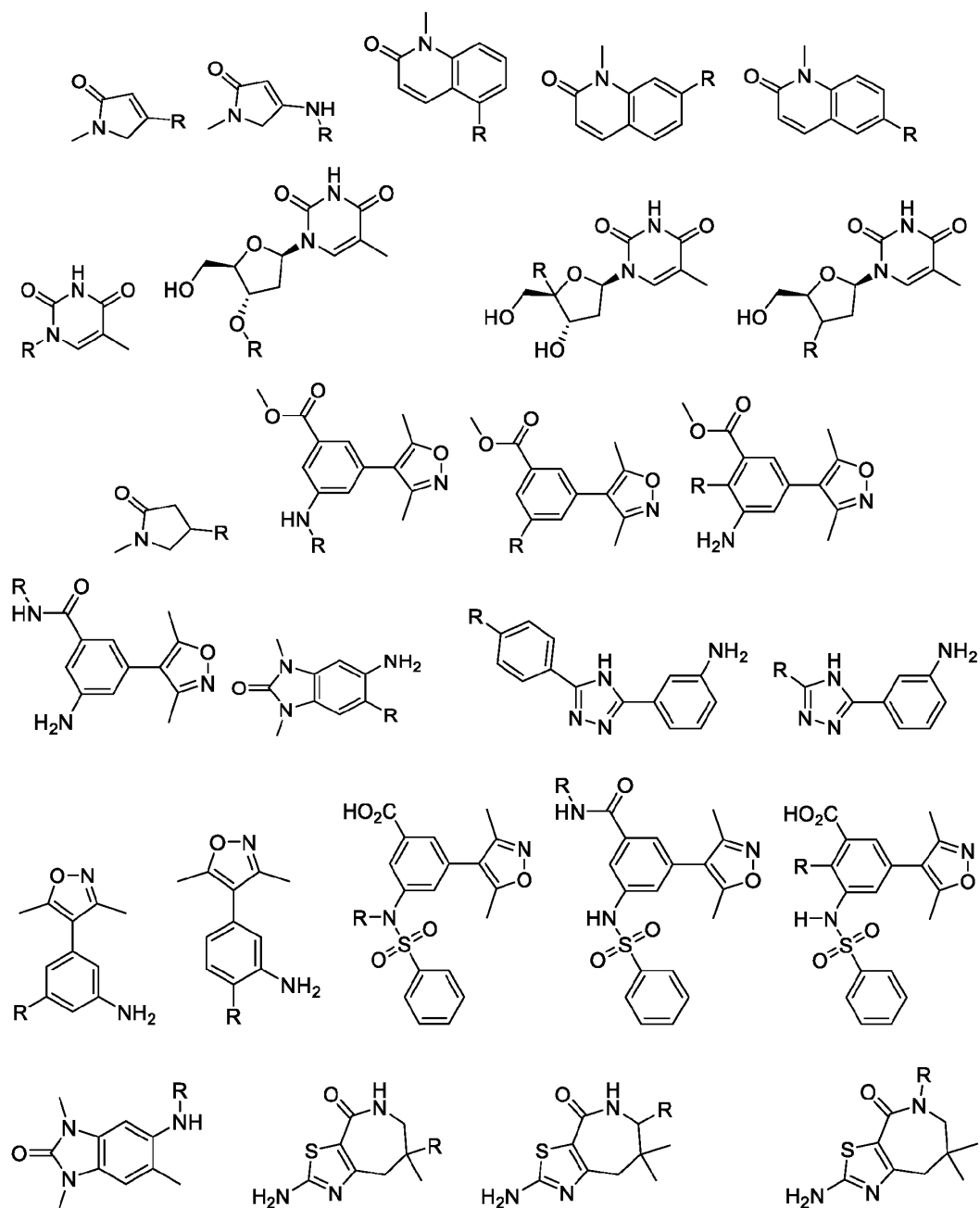


FIG. 3VV

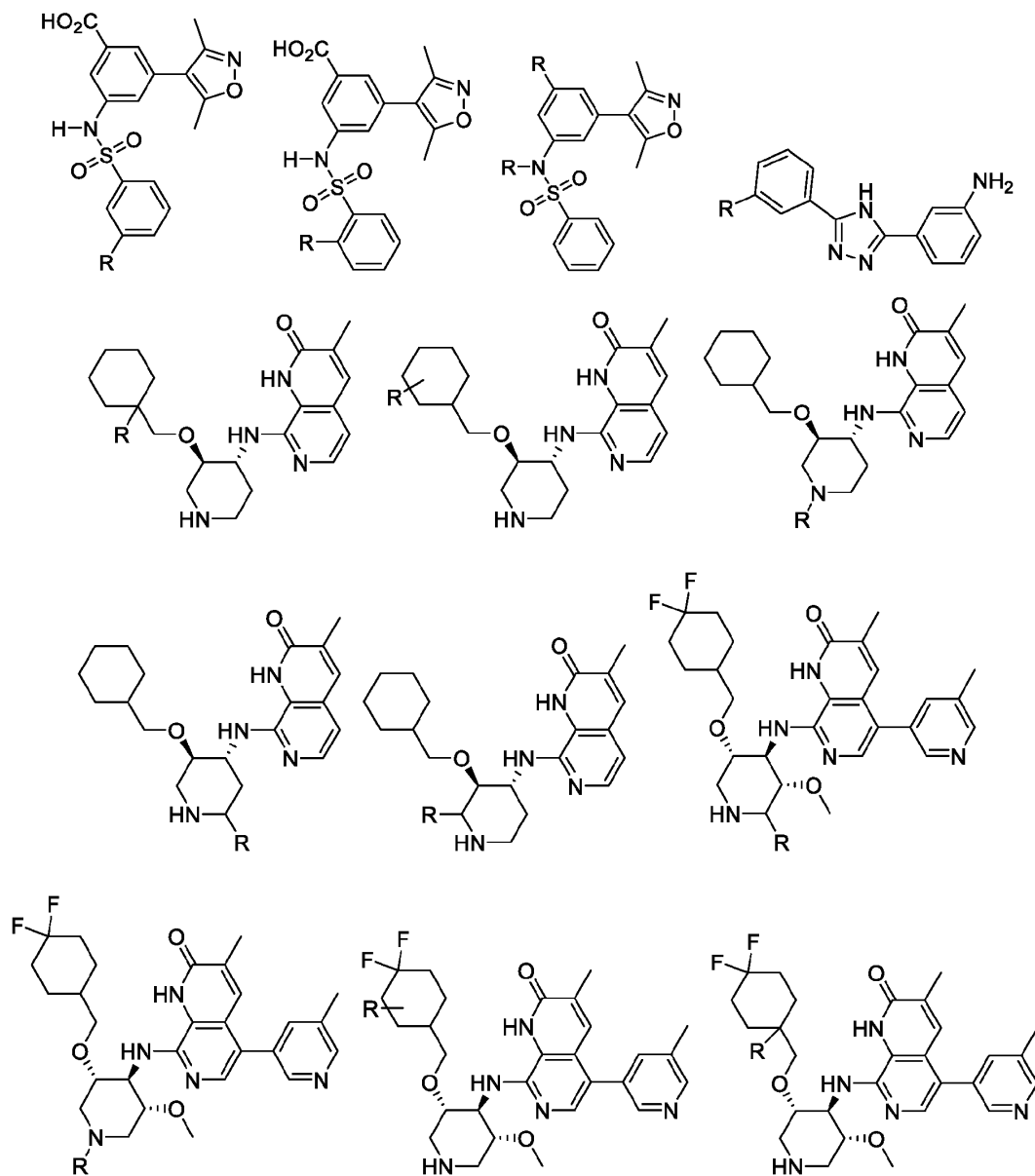


FIG. 3WW

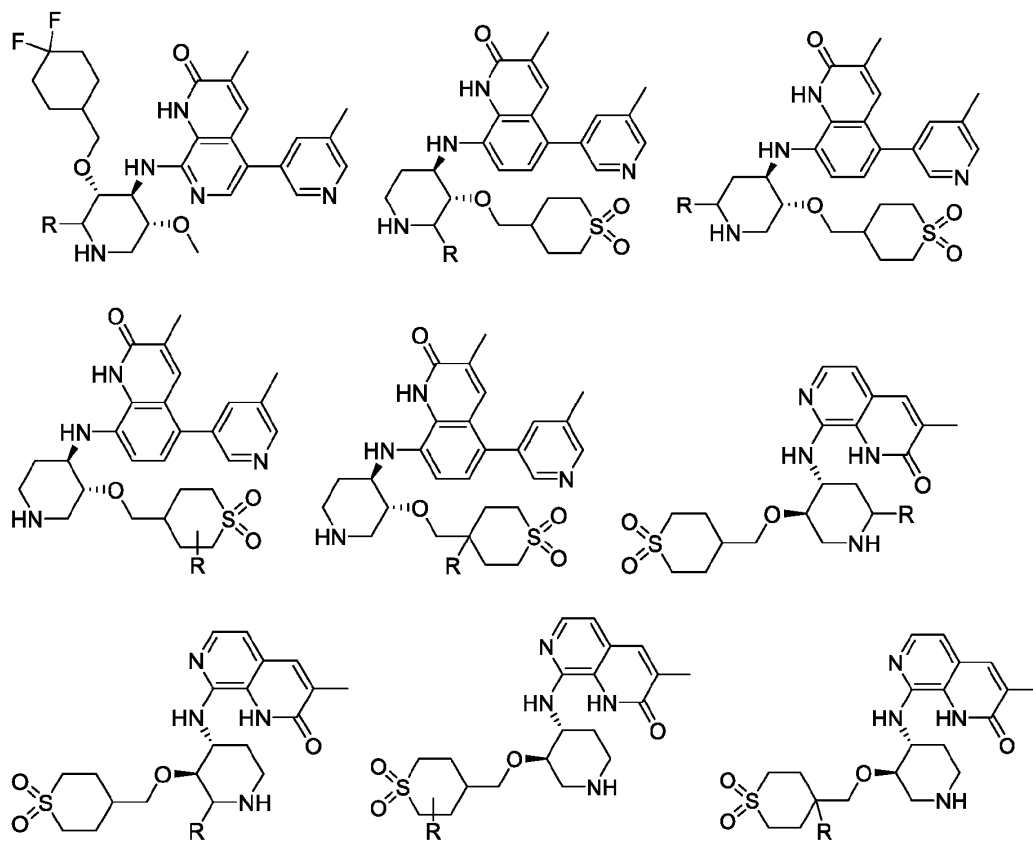


FIG. 3XX

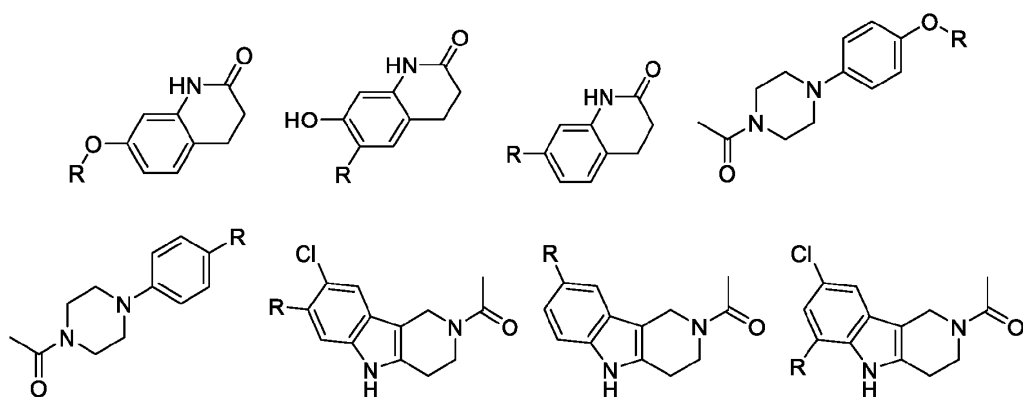


FIG. 3YY

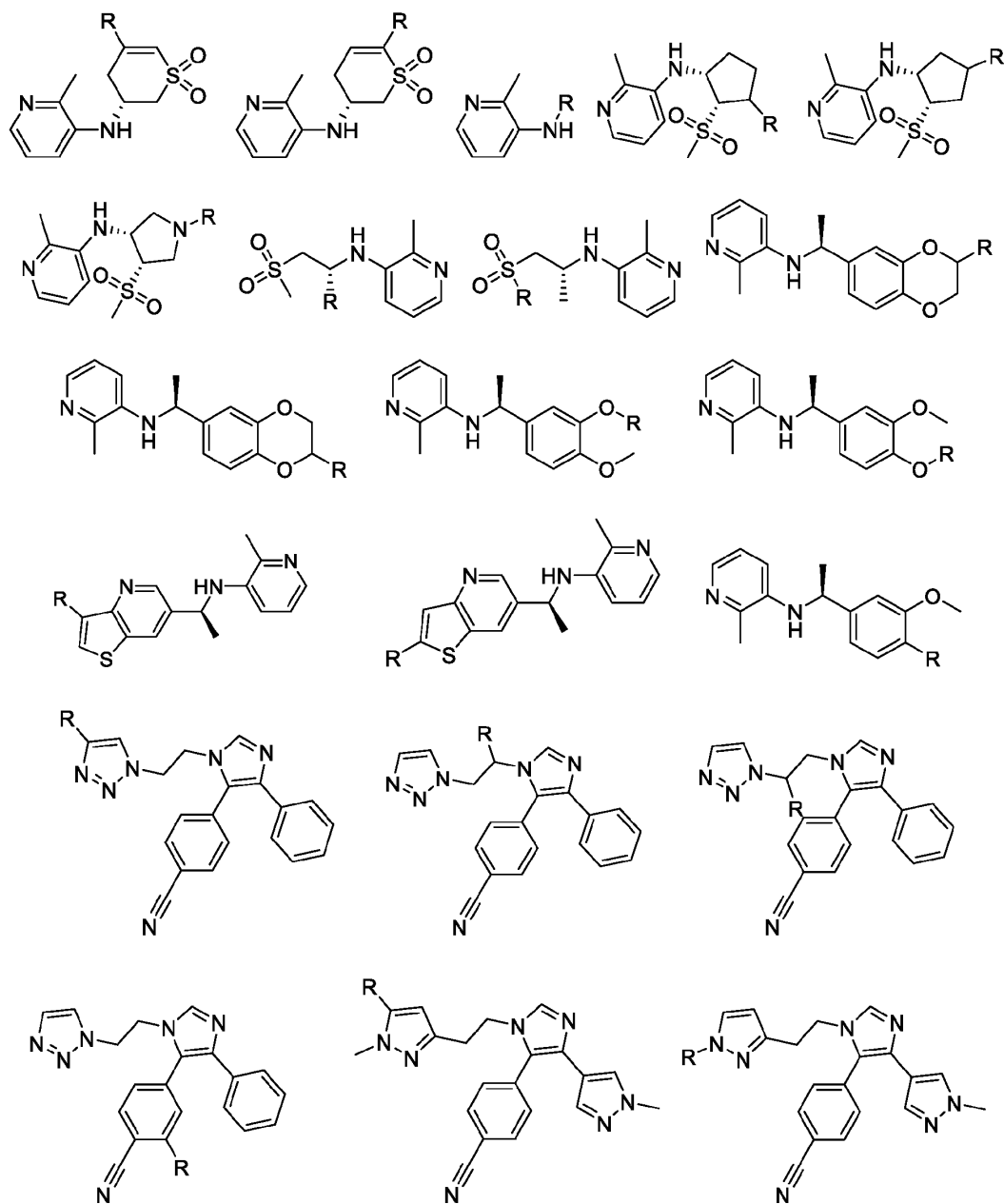


FIG. 3ZZ

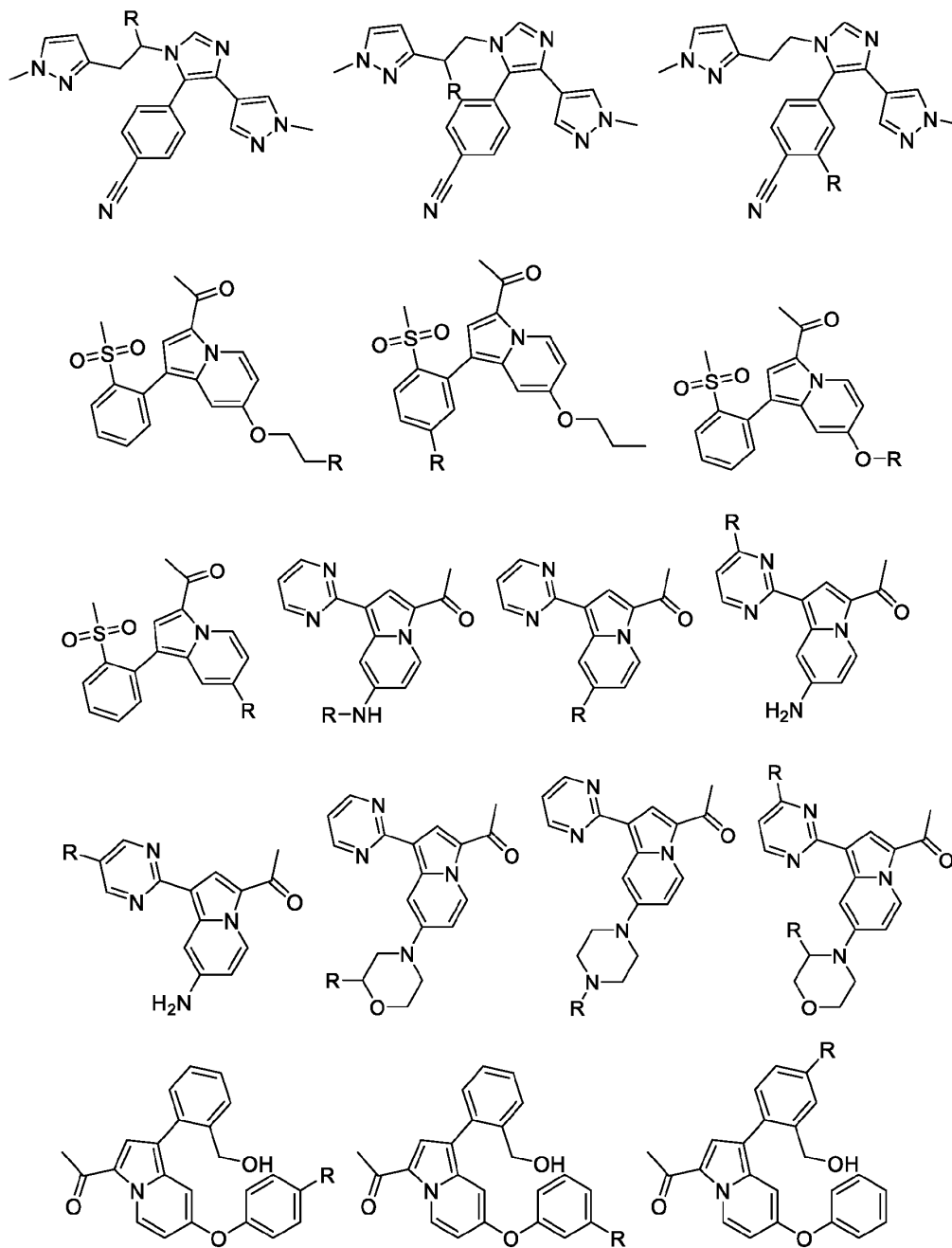




FIG. 3AAA

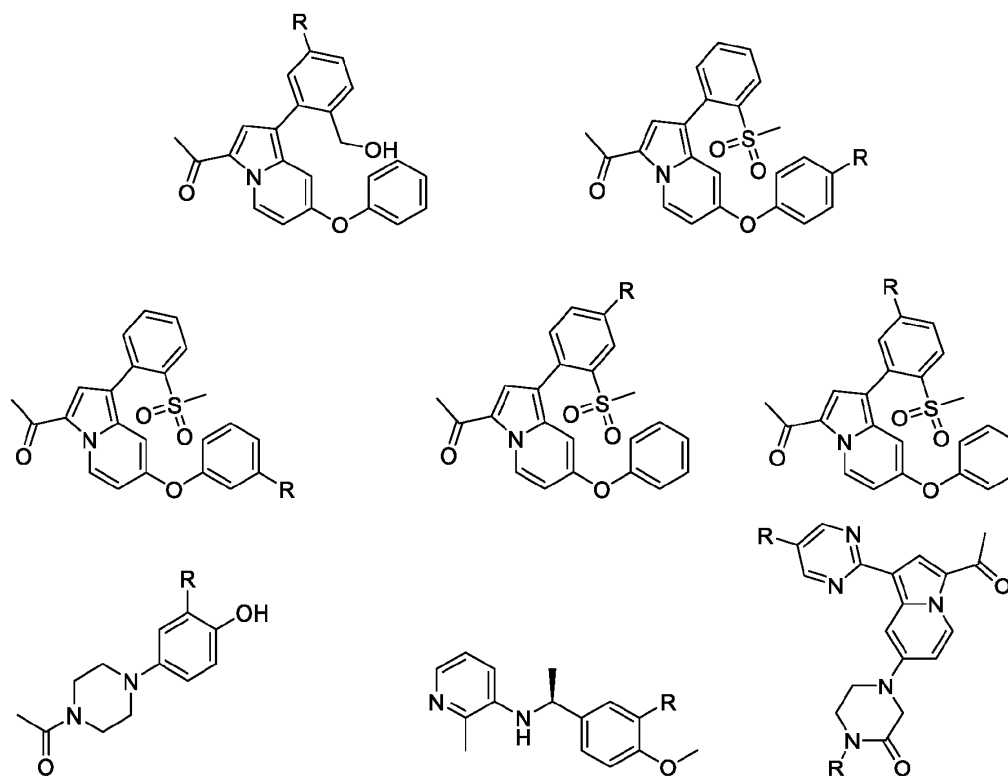


FIG. 3BBB

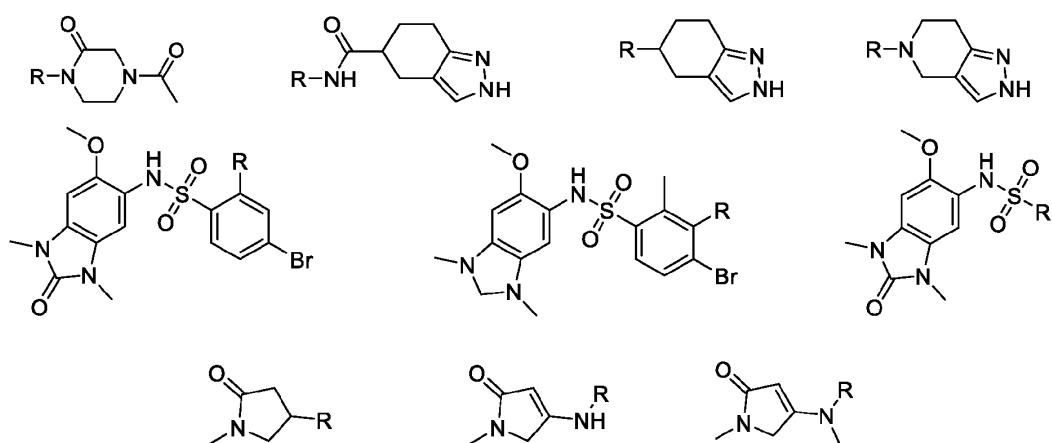


FIG. 3CCC

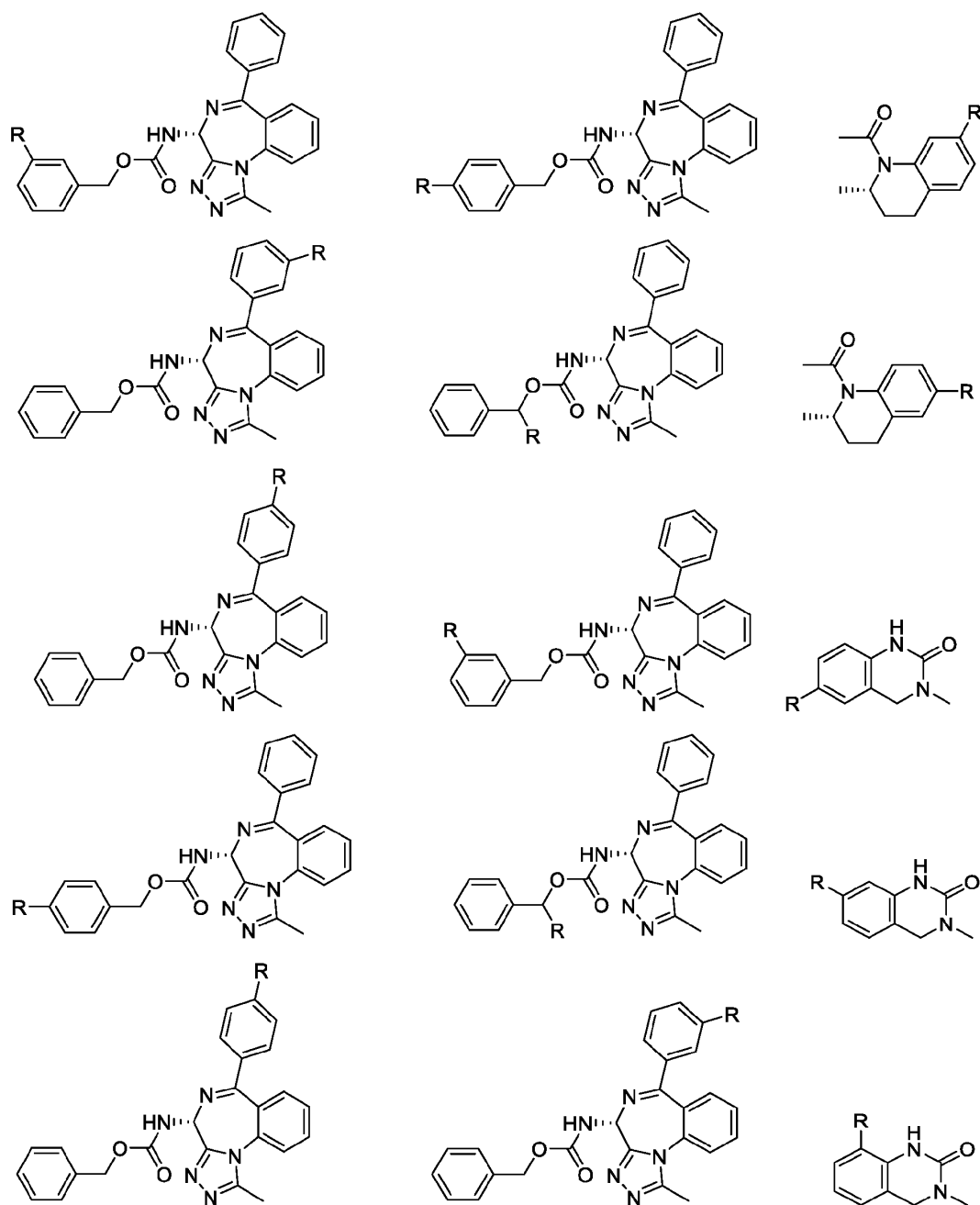


FIG. 3DDD

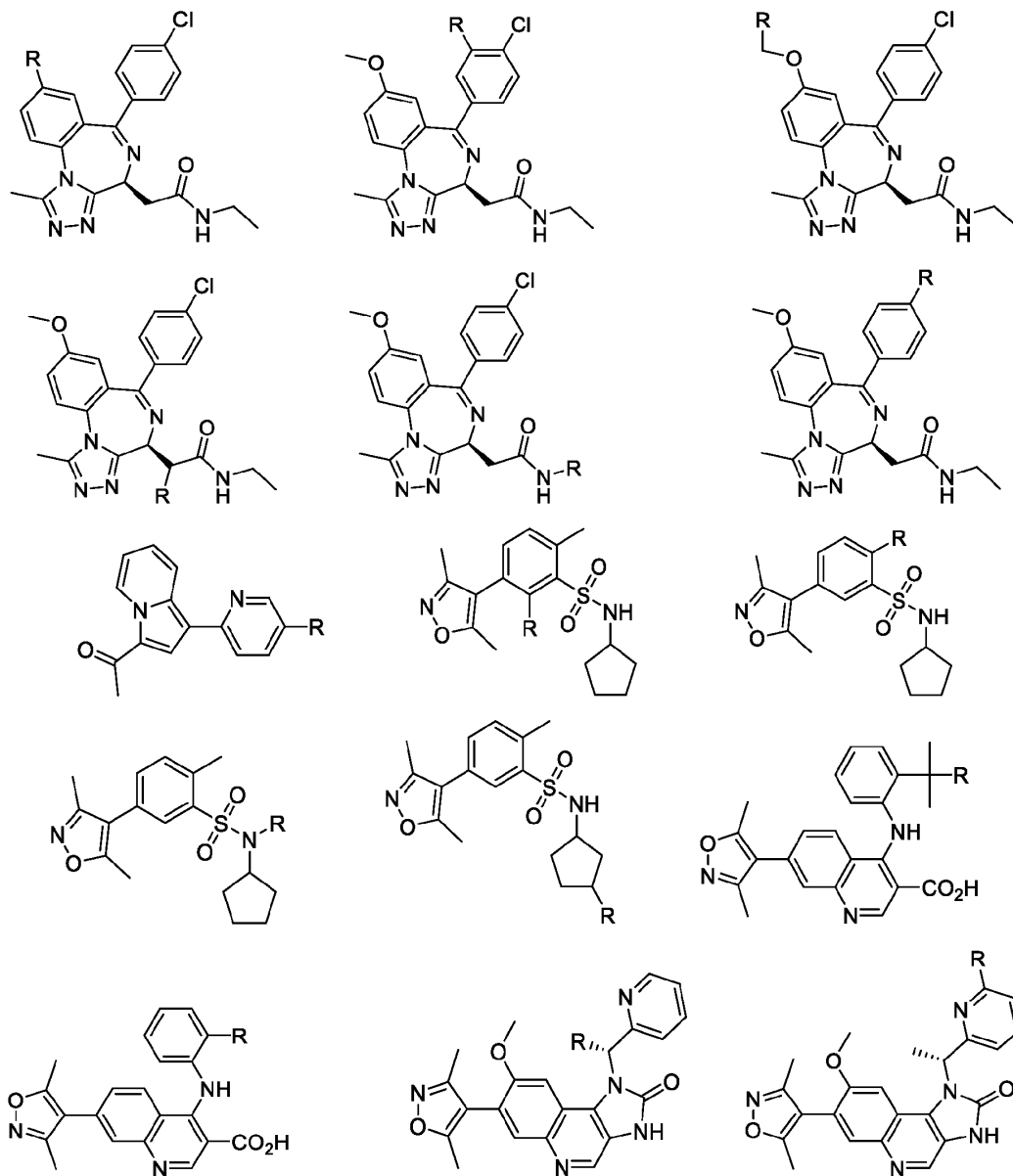


FIG. 3EEE

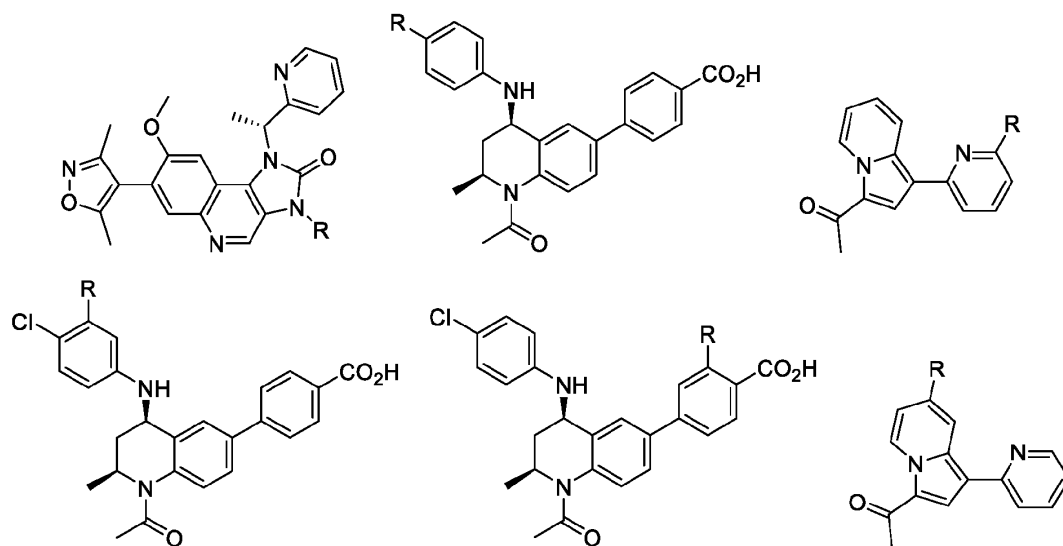


FIG. 3FFF

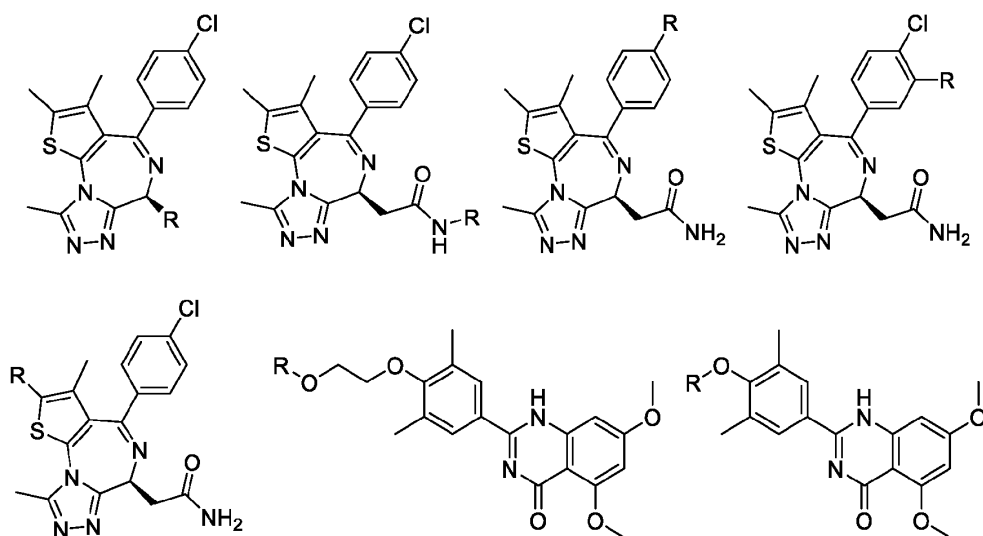


FIG. 3GGG

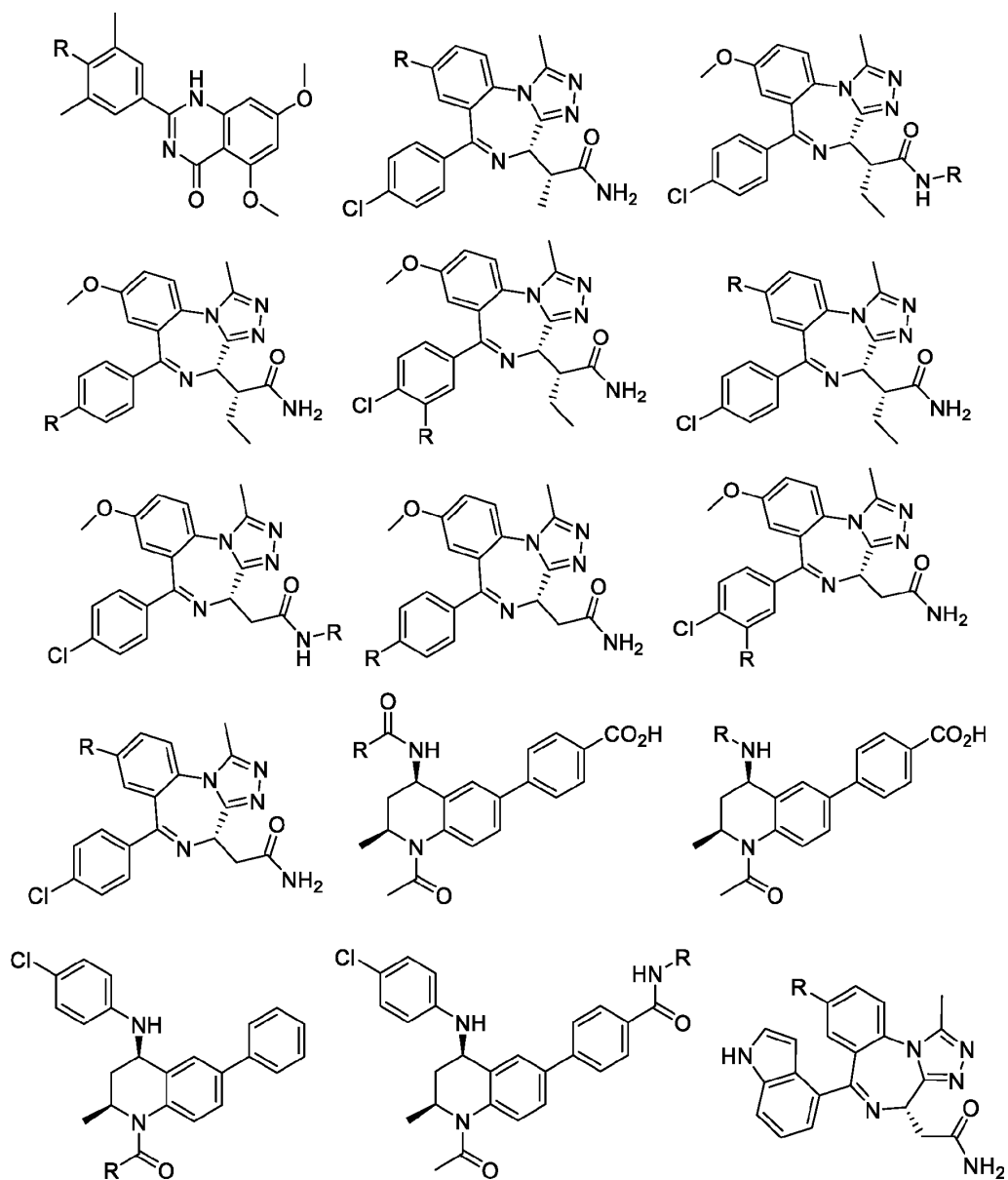


FIG. 3HHH

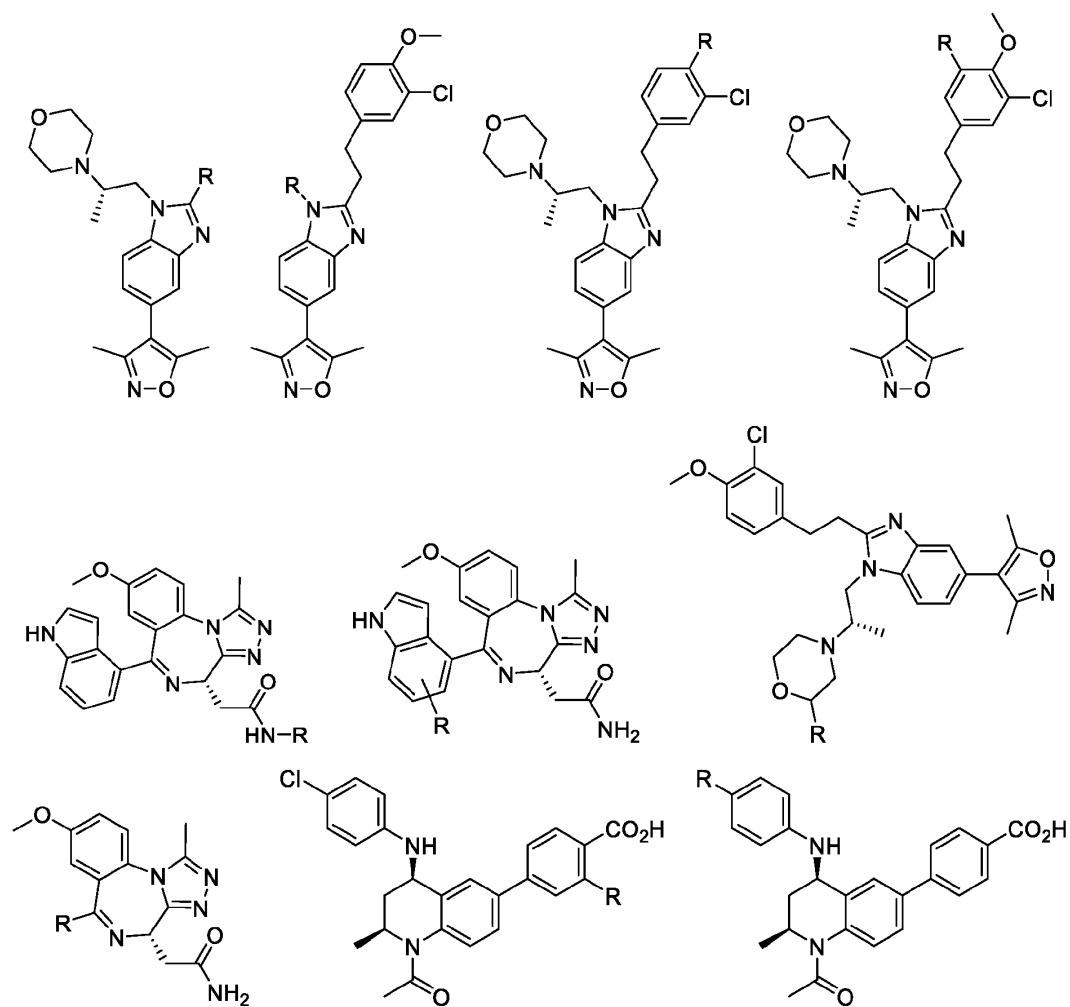


FIG. 3III



FIG. 3JJJ

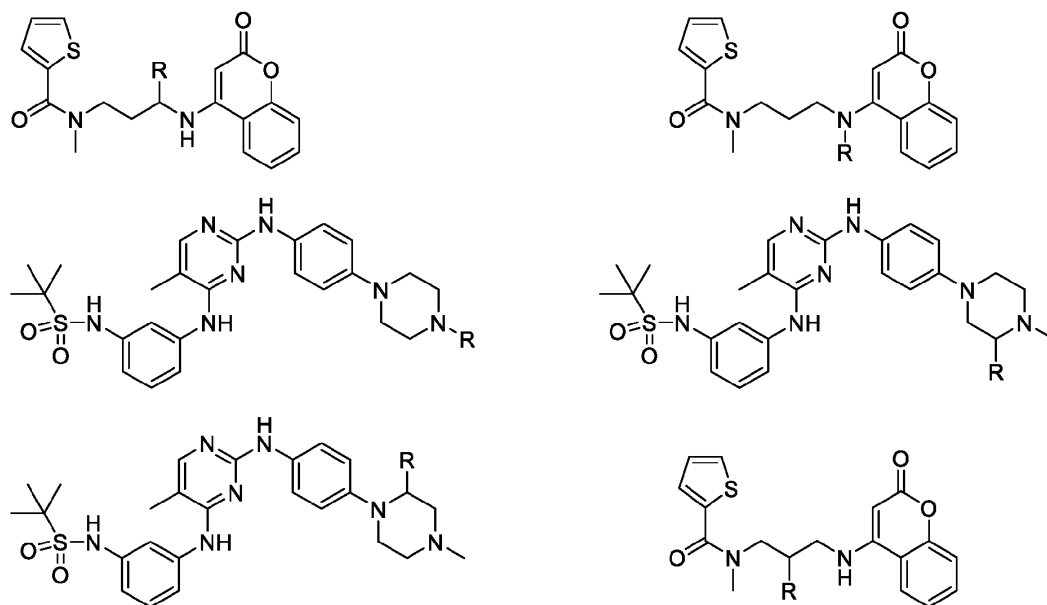


FIG. 3KKK

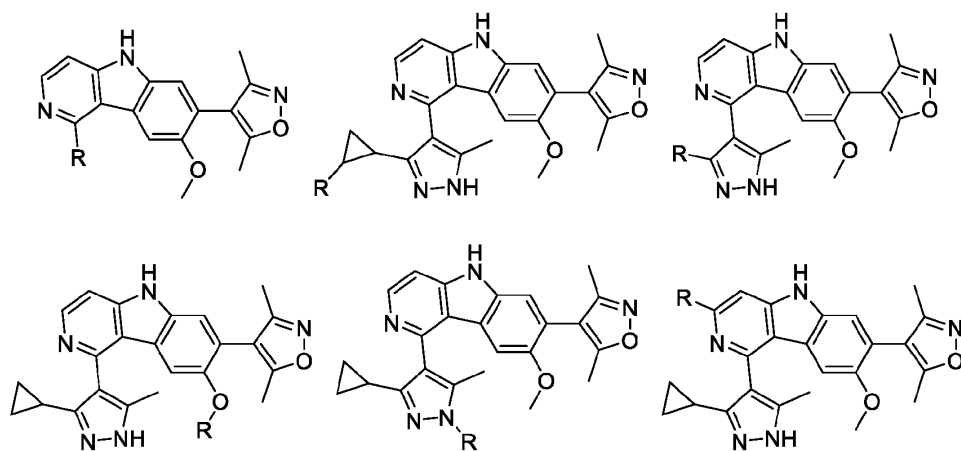


FIG. 3LLL

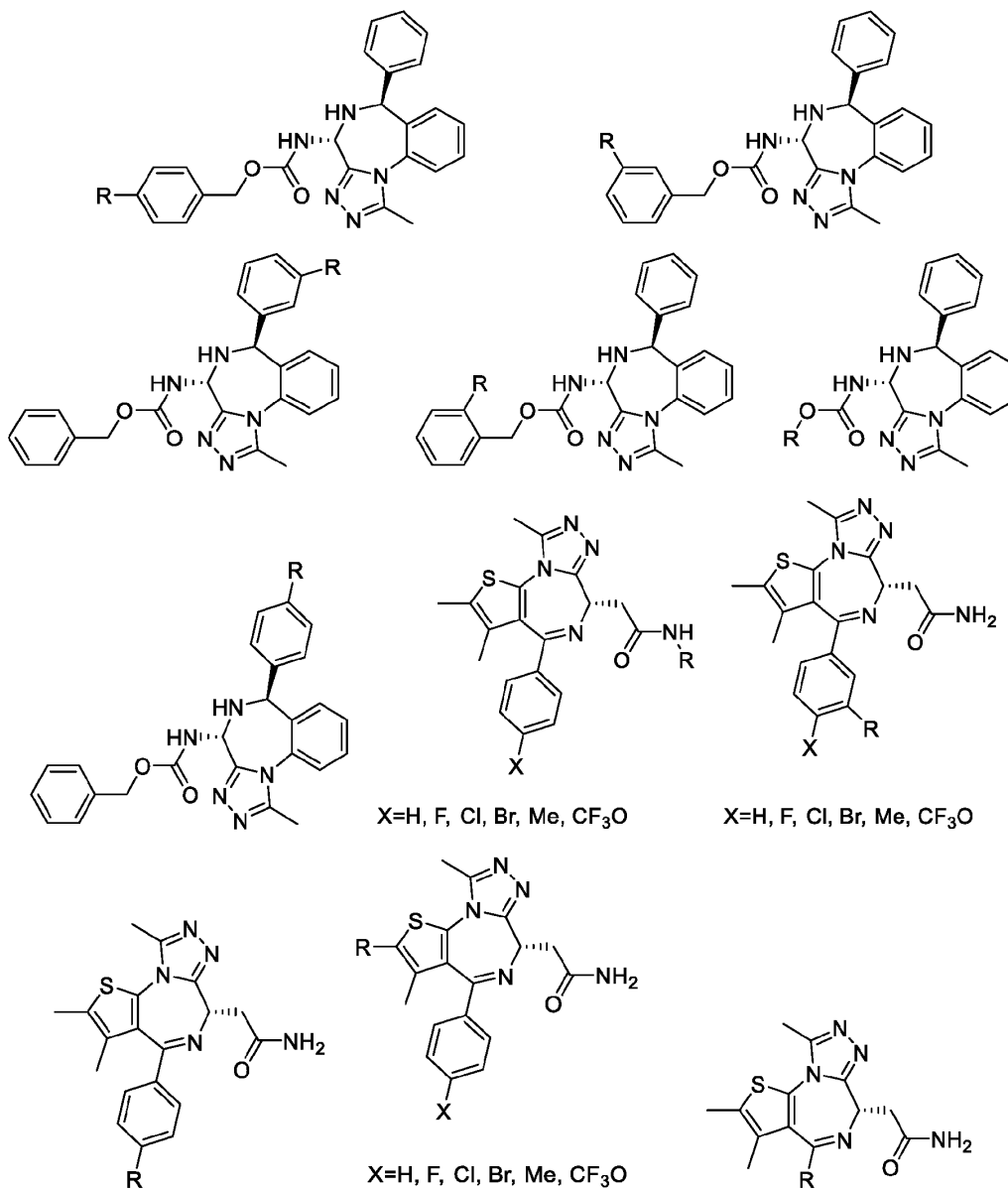




FIG. 3MMM

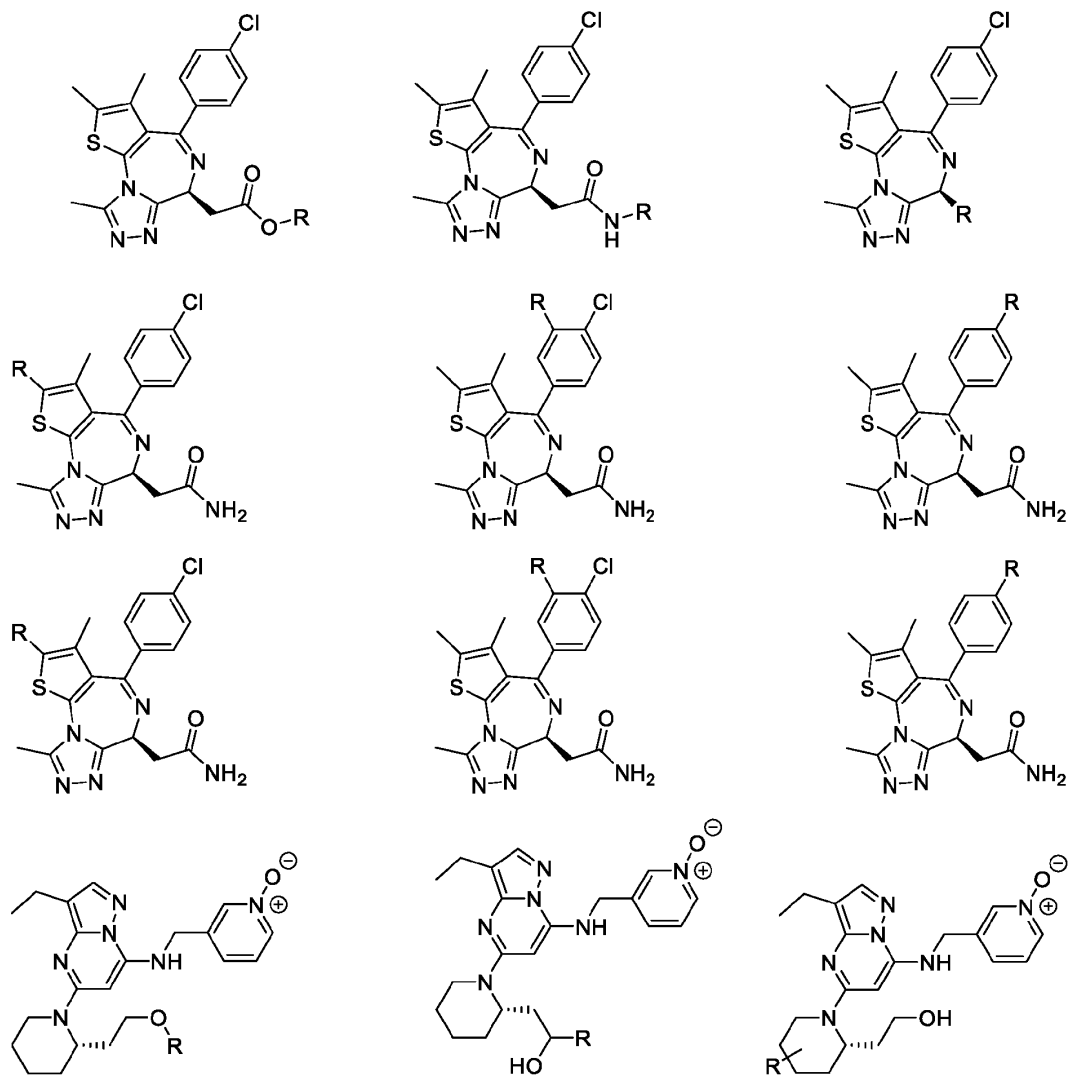


FIG. 3NNN

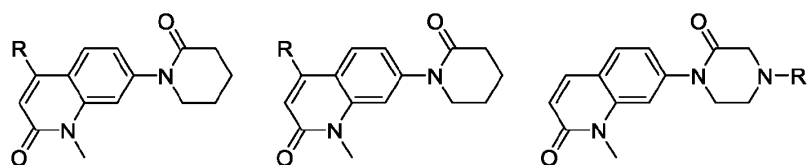


FIG. 3000

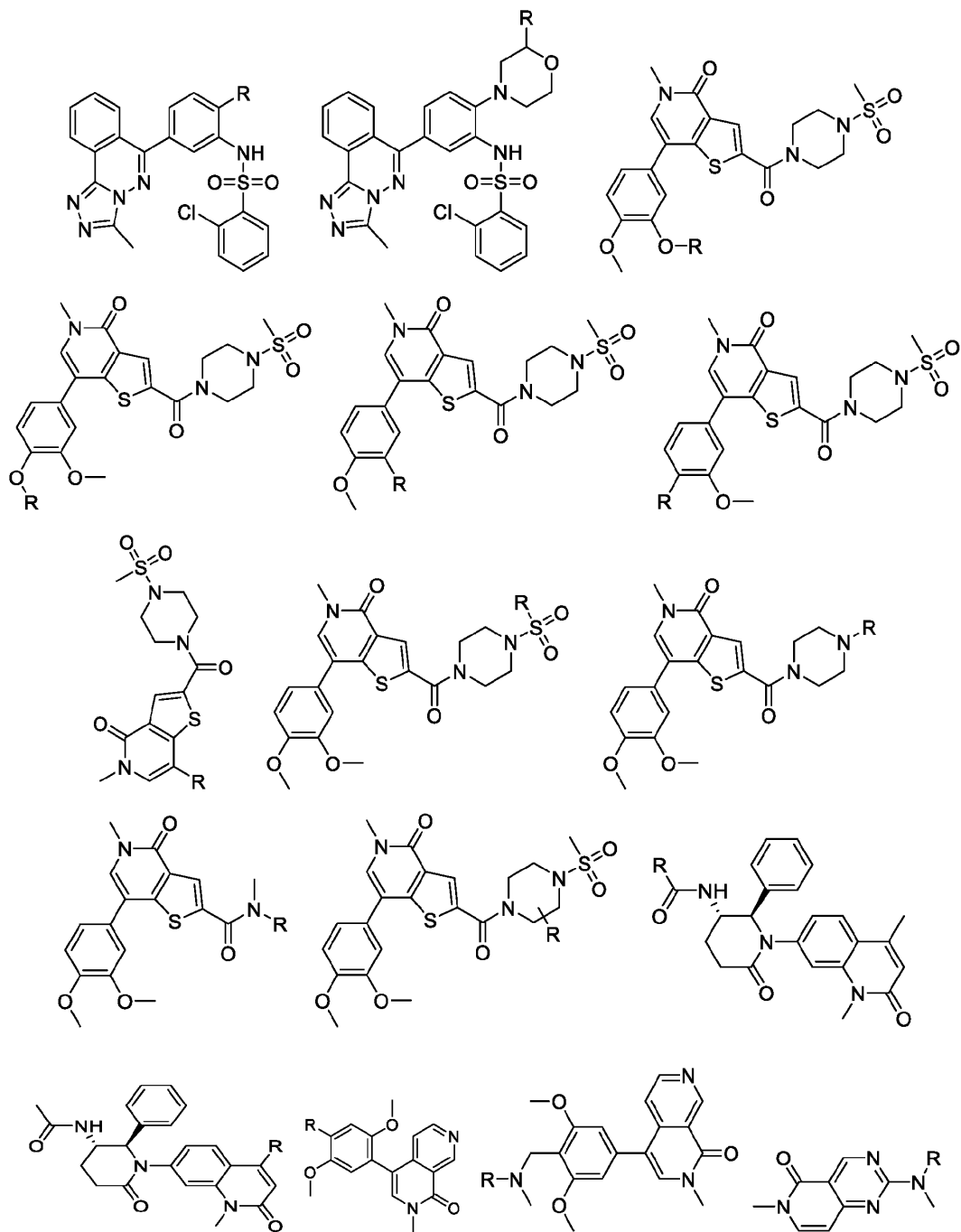


FIG. 3PPP

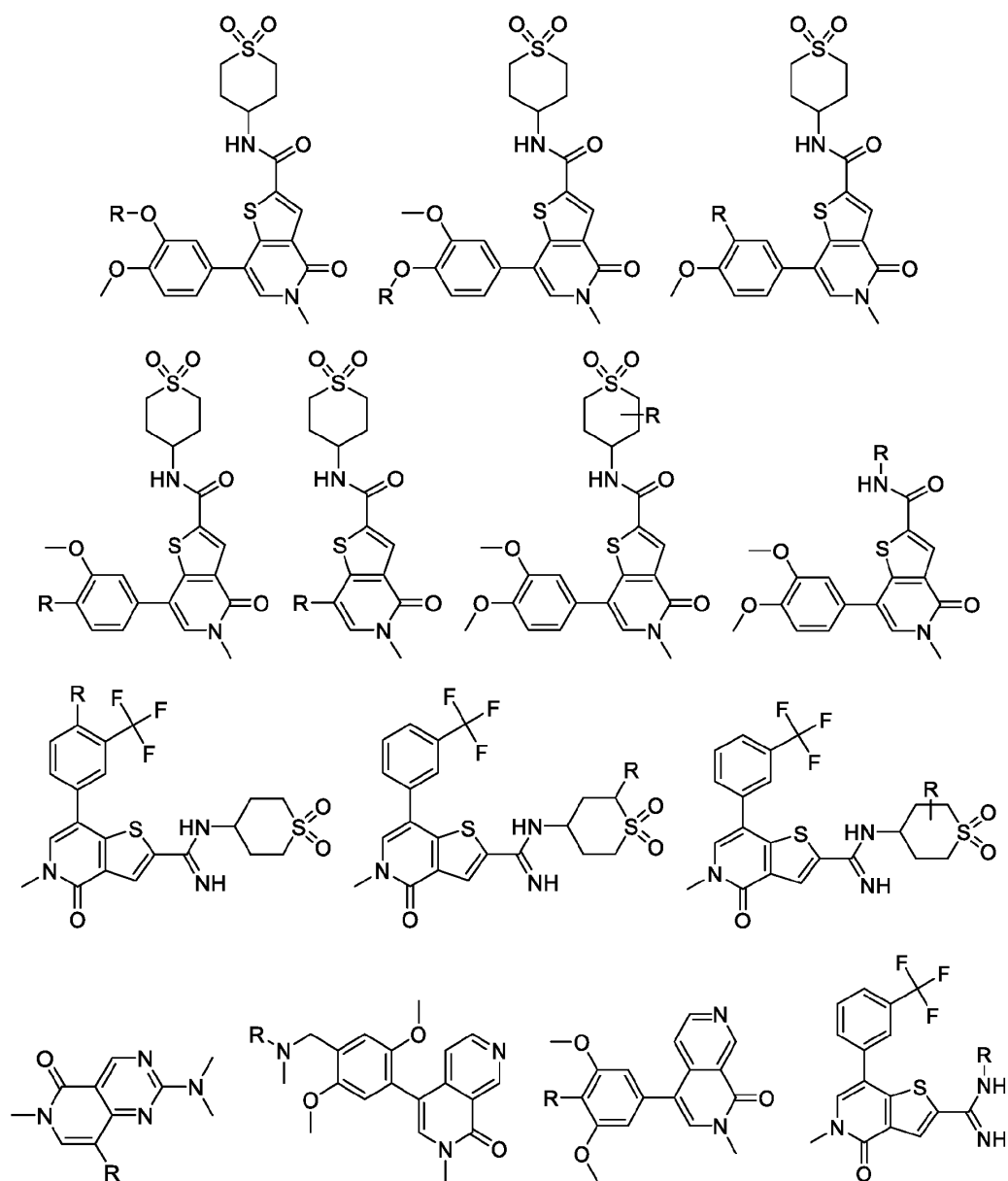


FIG. 3QQQ

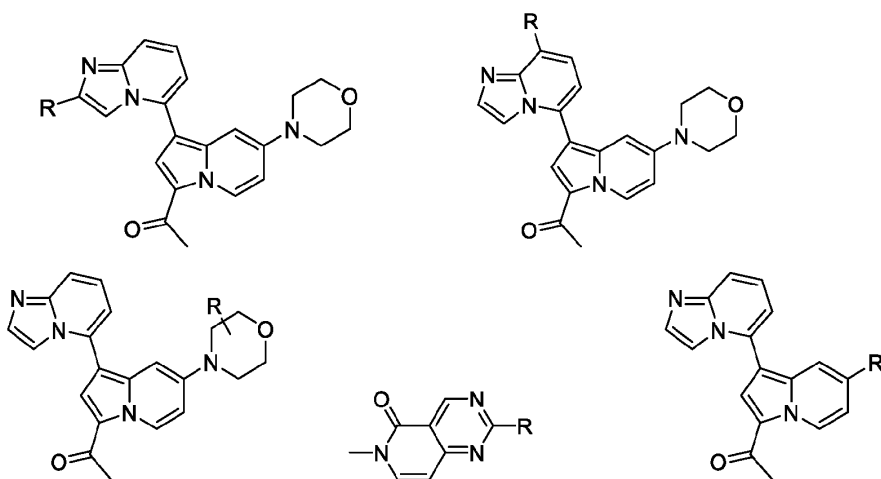


FIG. 3RRR

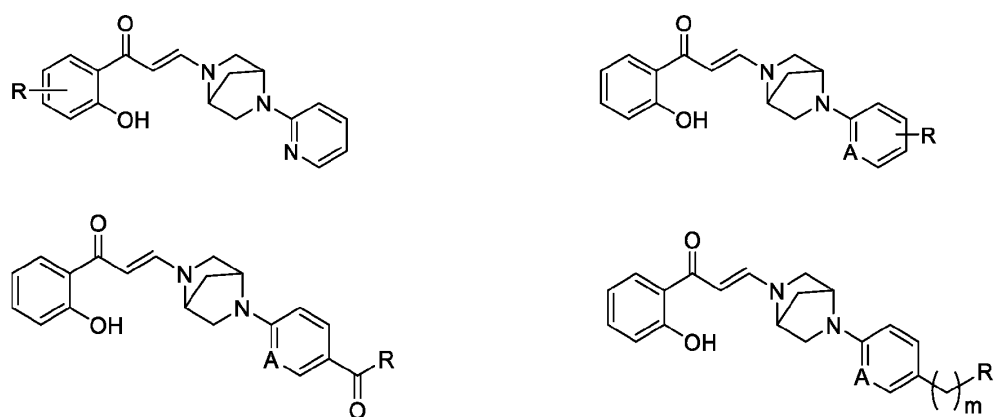


FIG. 3SSS

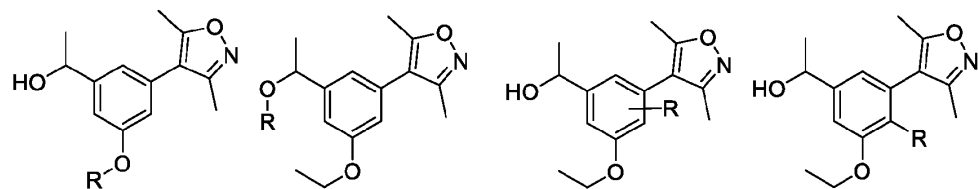


FIG. 3TTT

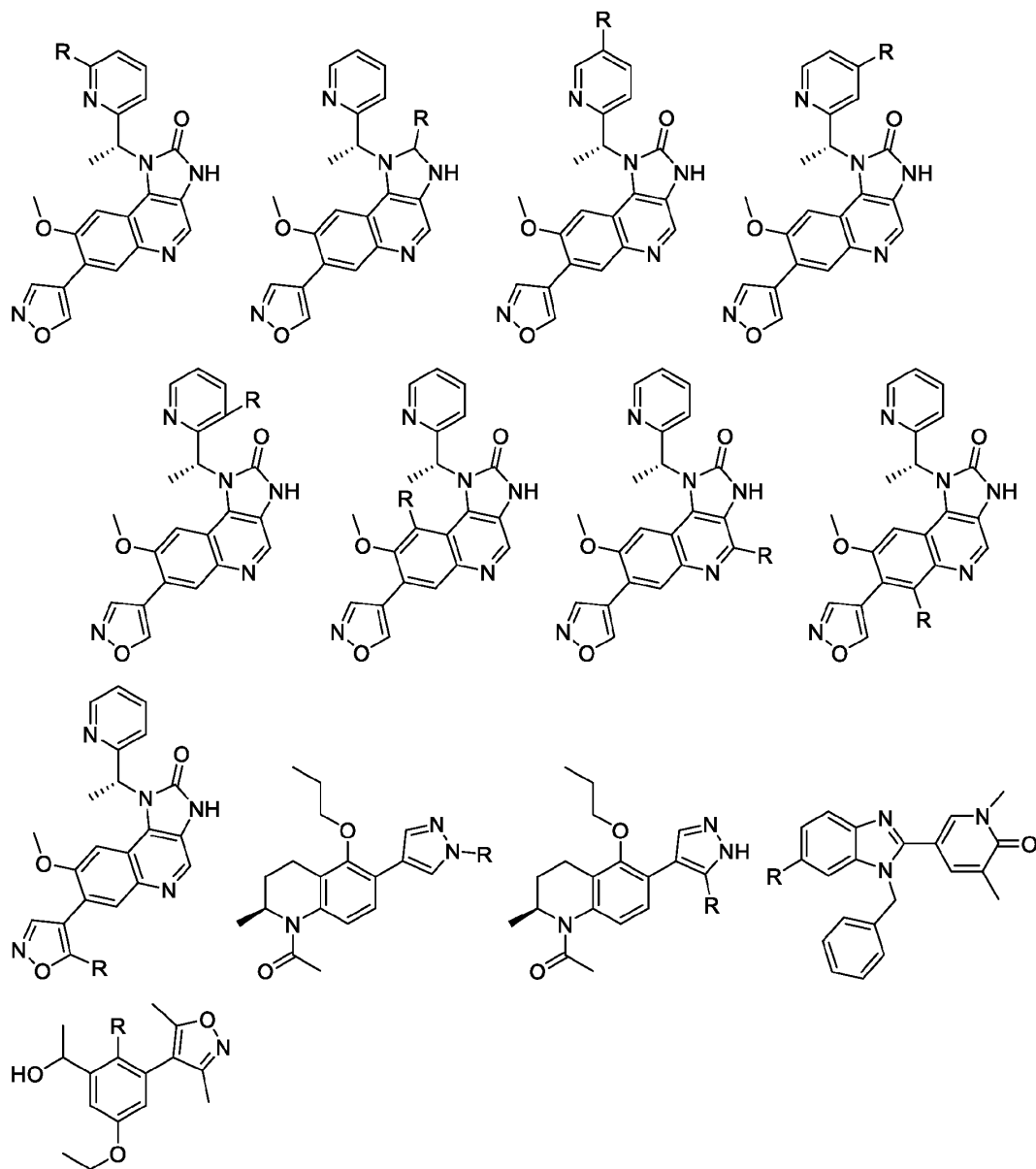


FIG. 3UUU

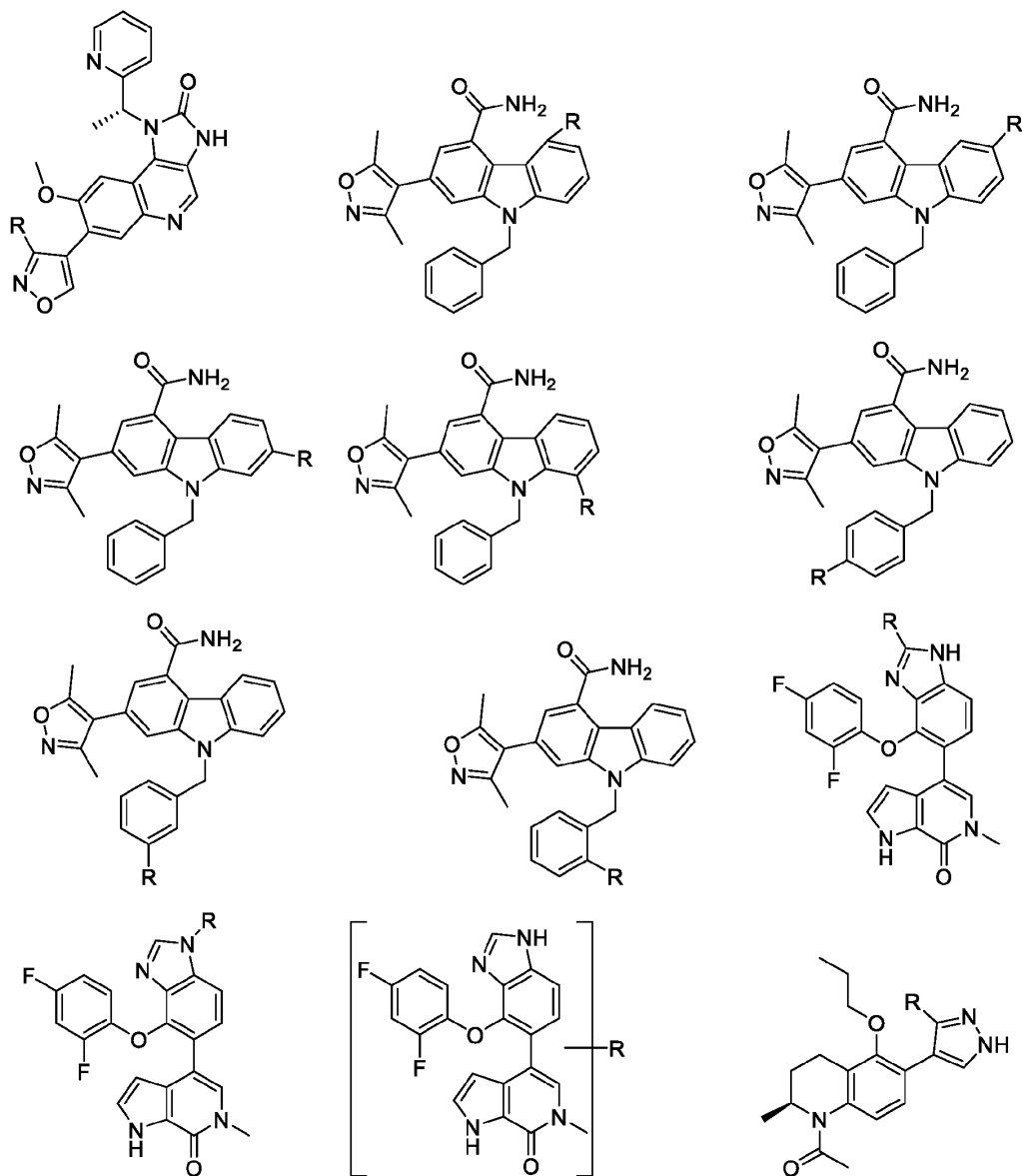


FIG. 3VVV

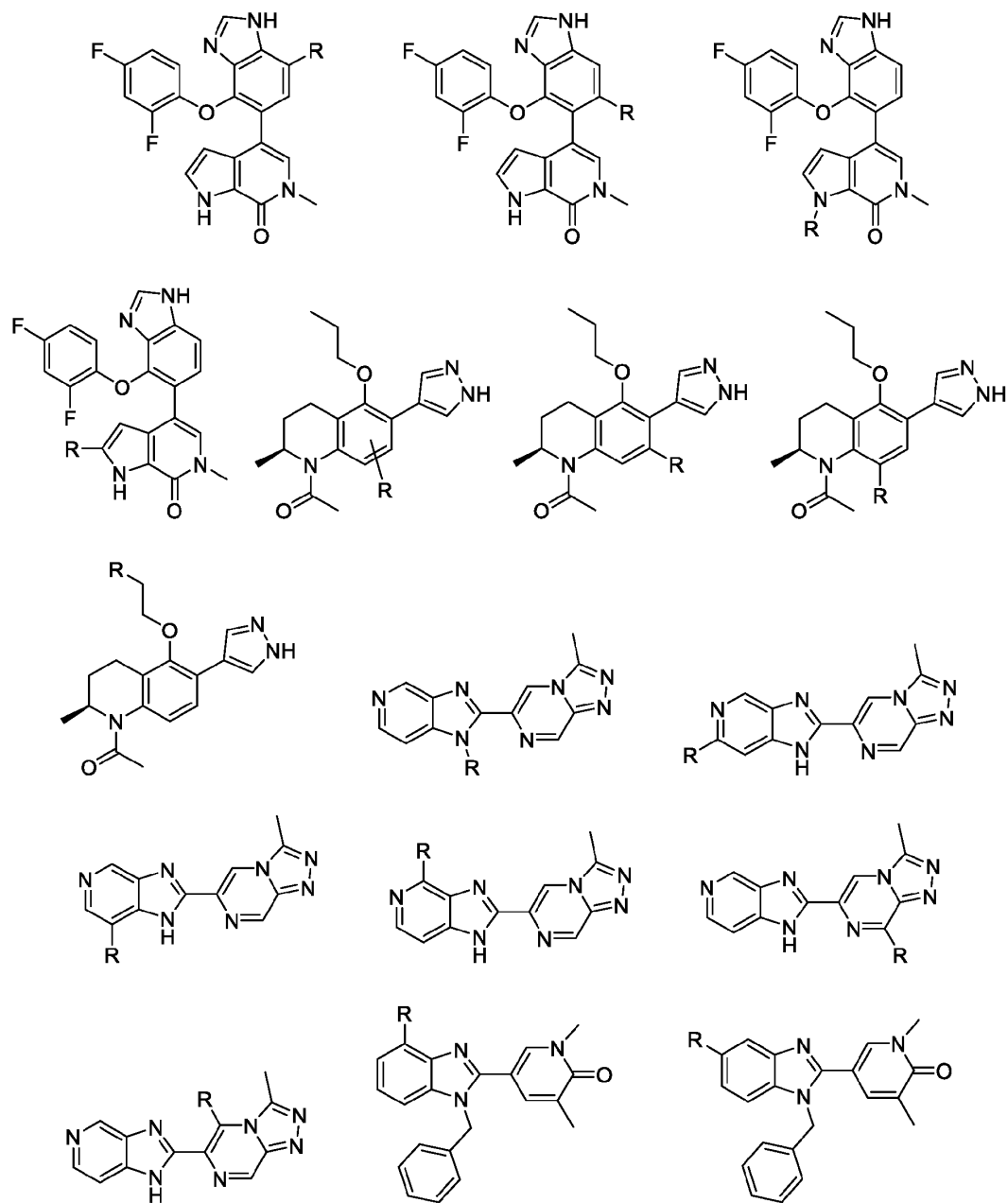


FIG. 3 WWW

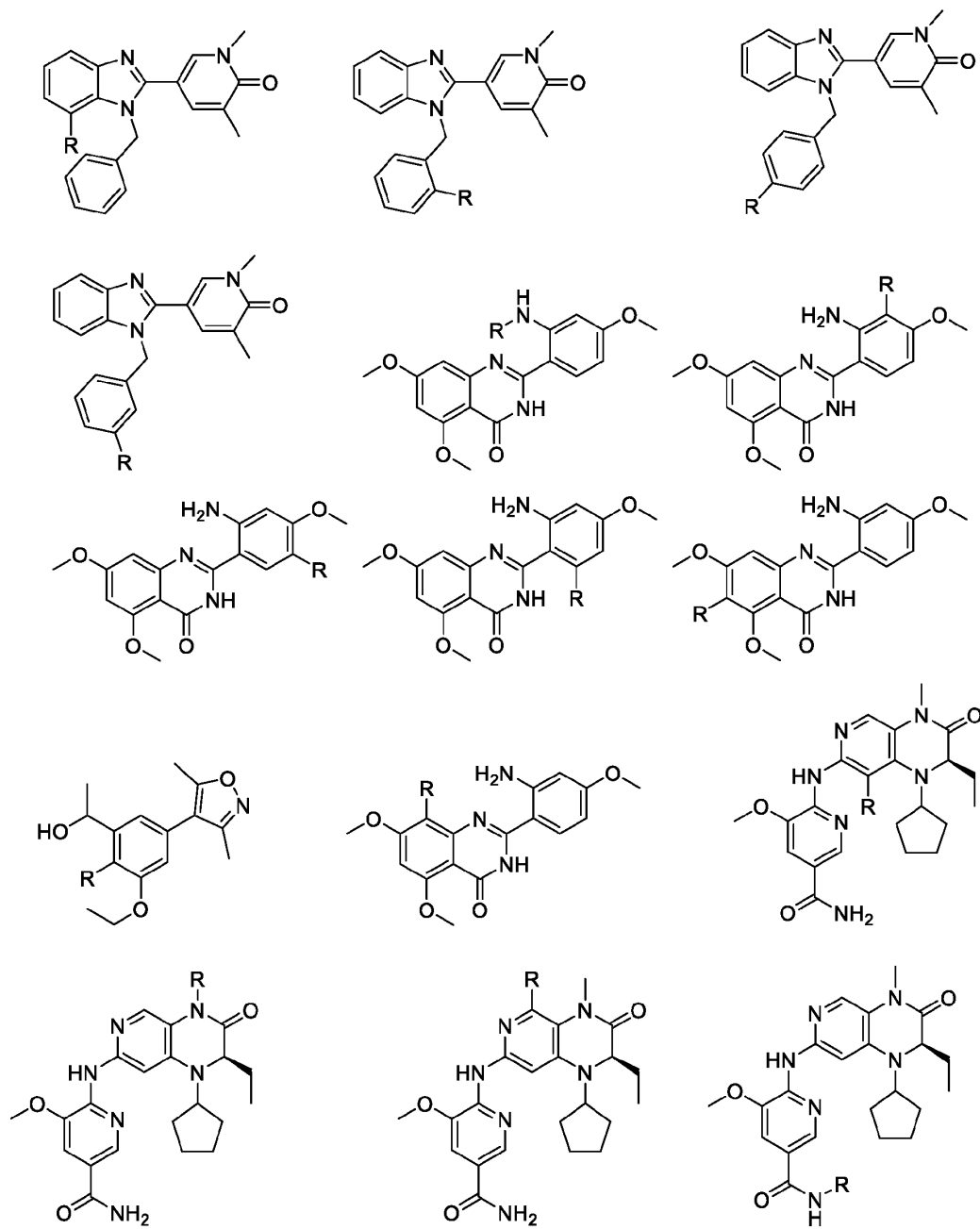




FIG. 3XXX

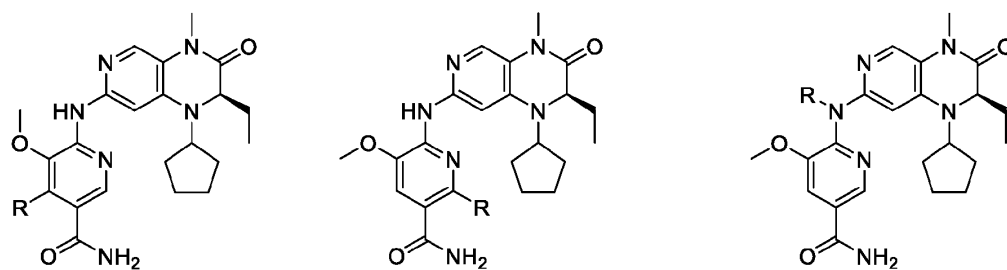


FIG. 3YYY

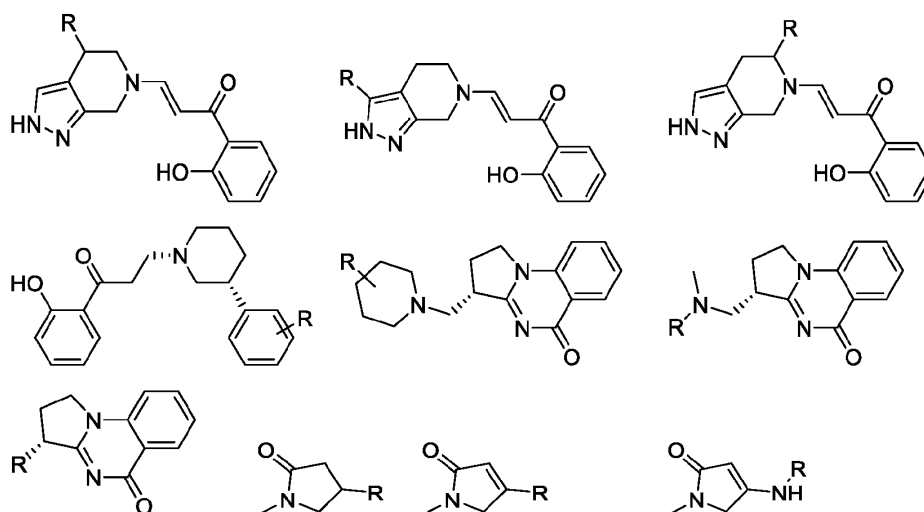


FIG. 3ZZZ

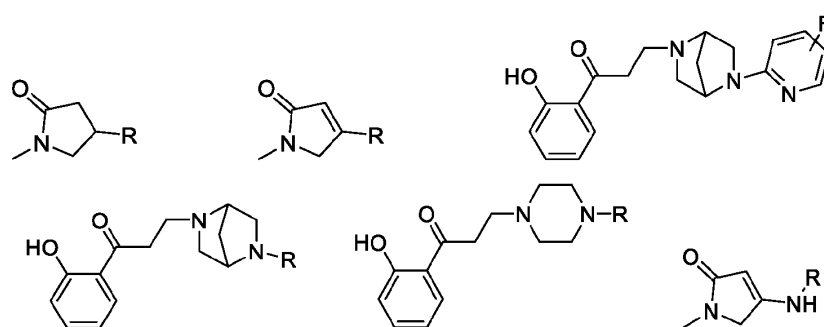


FIG. 3AAAA

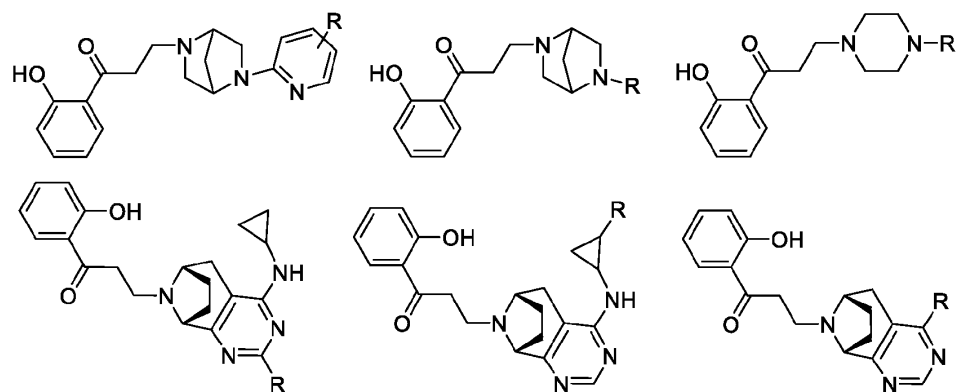


FIG. 3BBBB

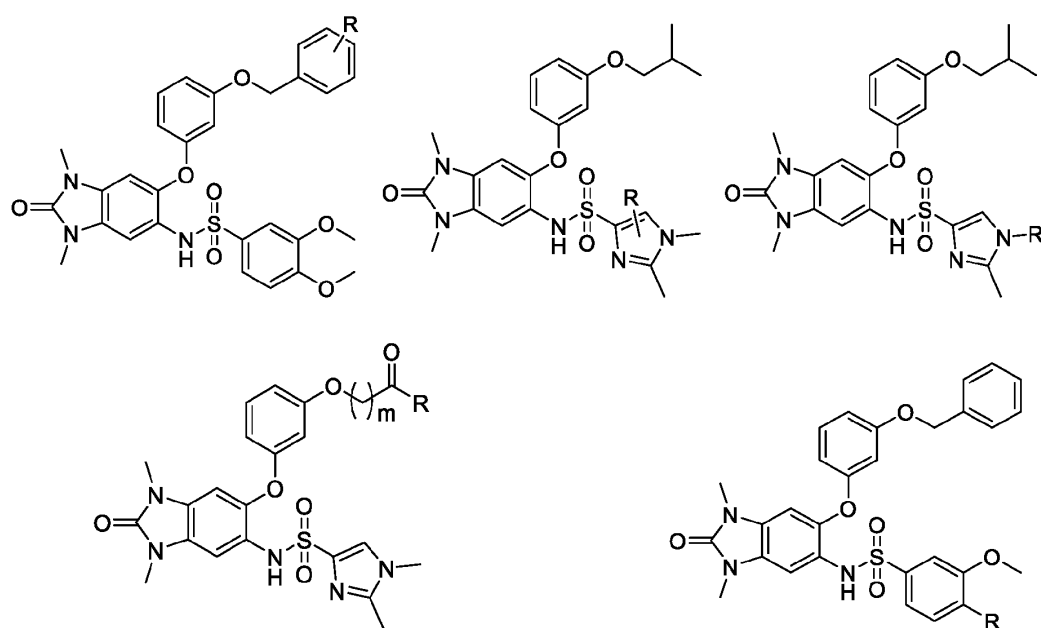


FIG. 3CCCC

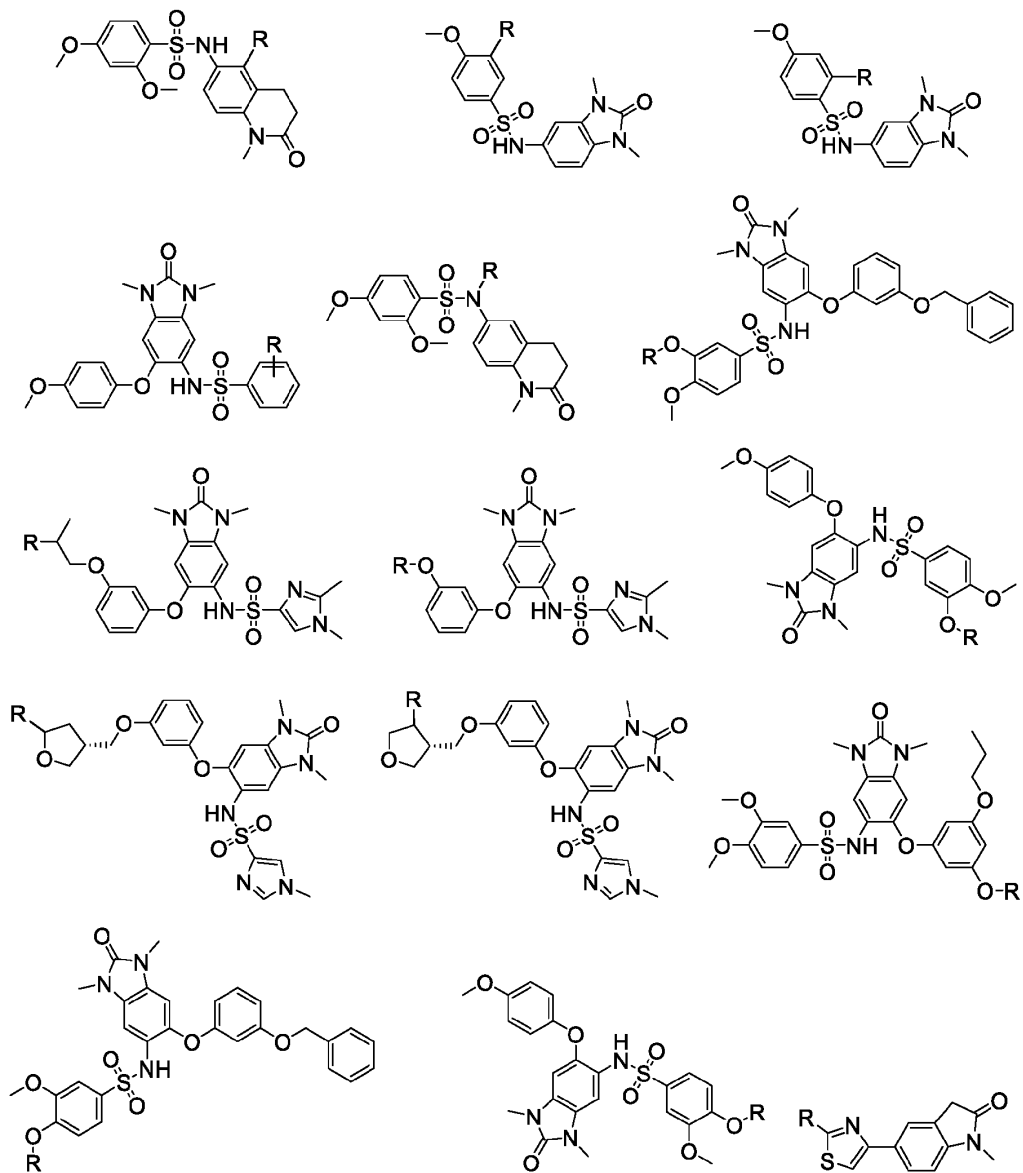


FIG. 3DDDD

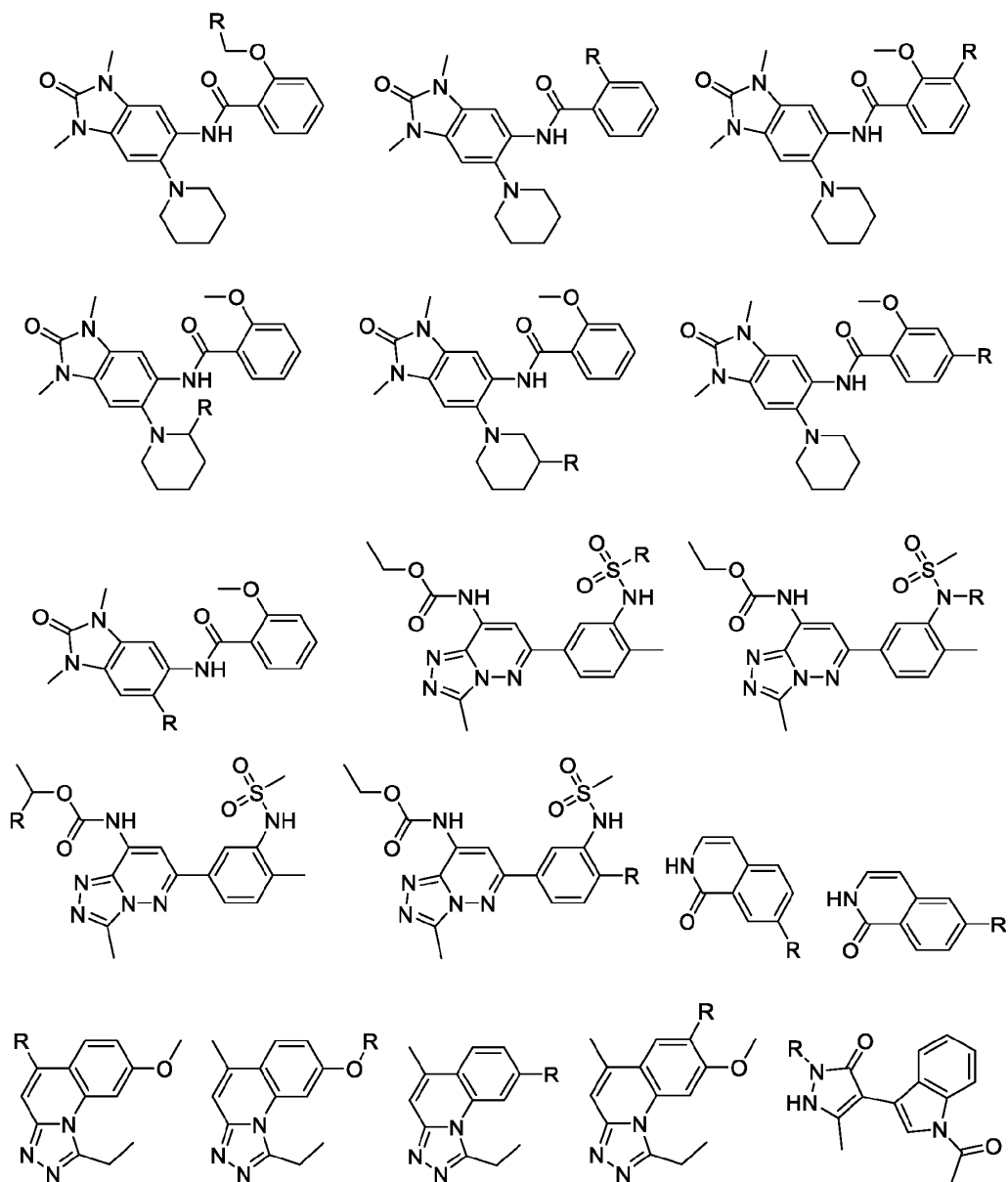


FIG. 3EEEE

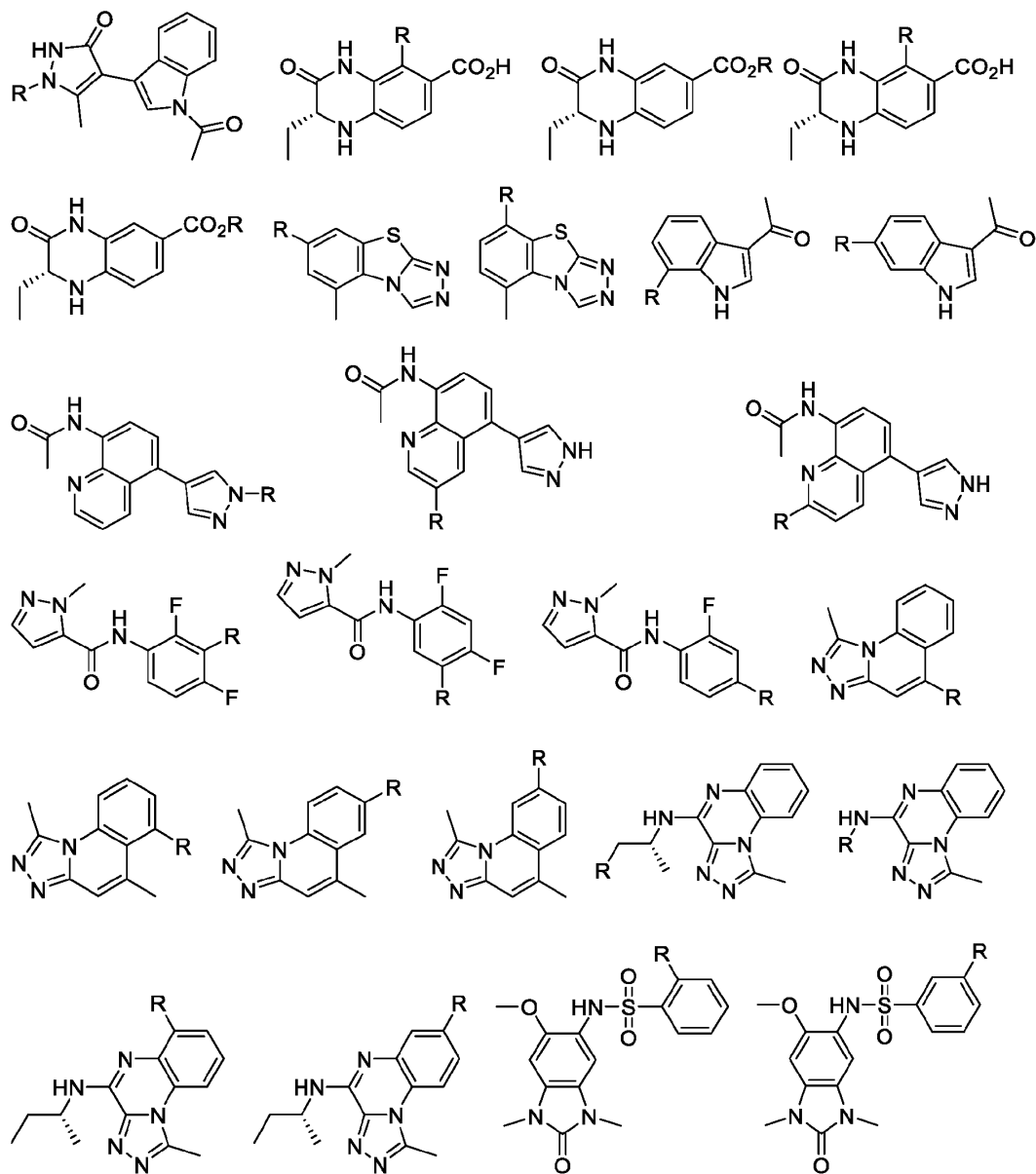


FIG. 3FFFF

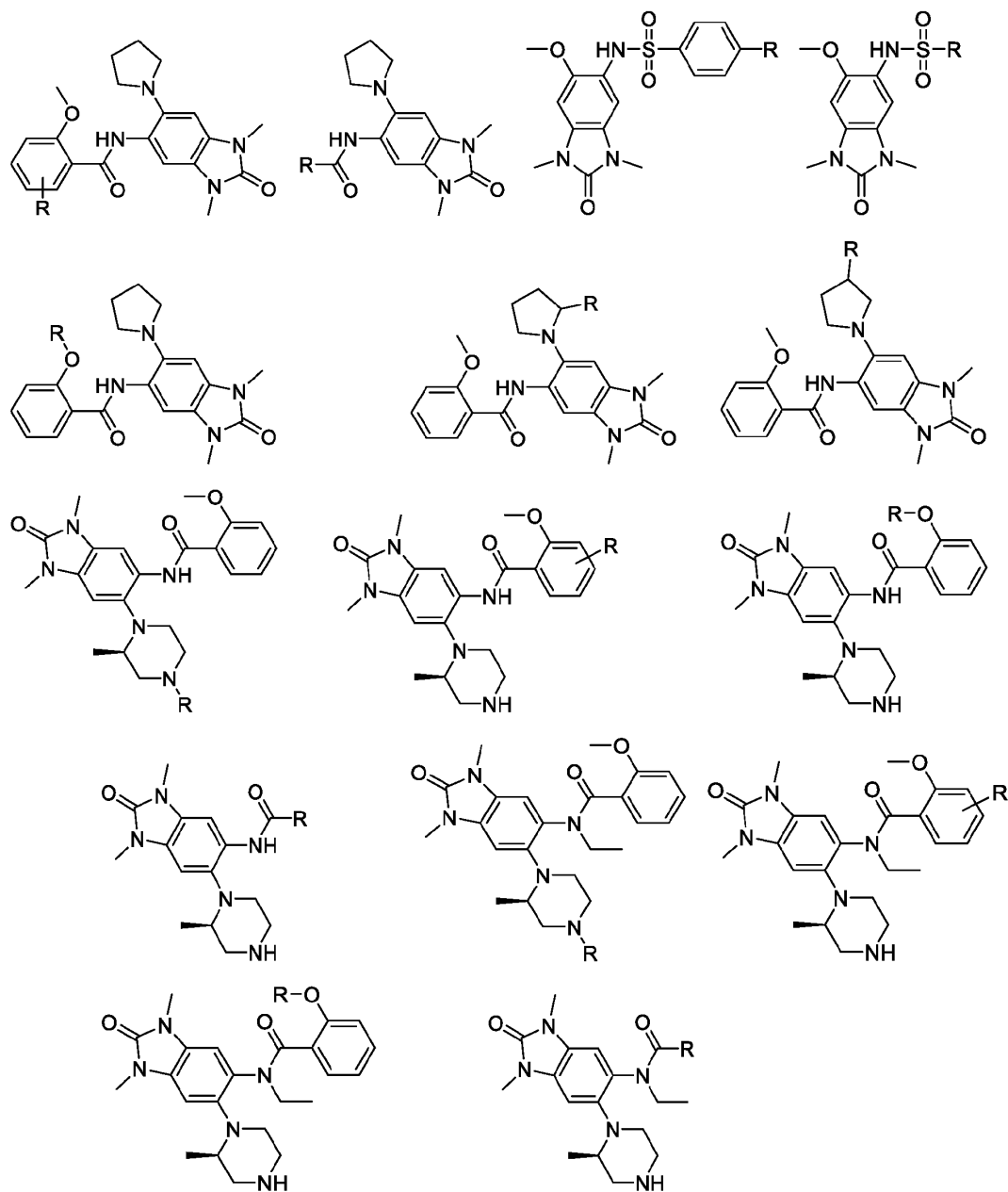


FIG. 3GGGG

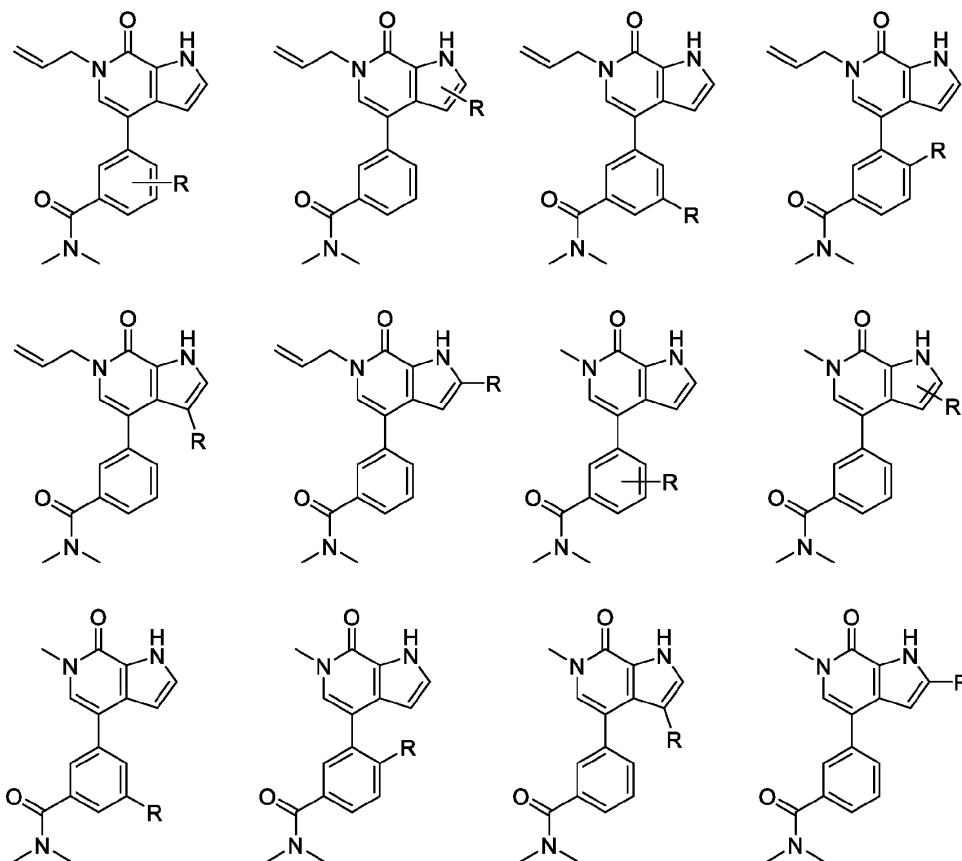


FIG. 3HHHH

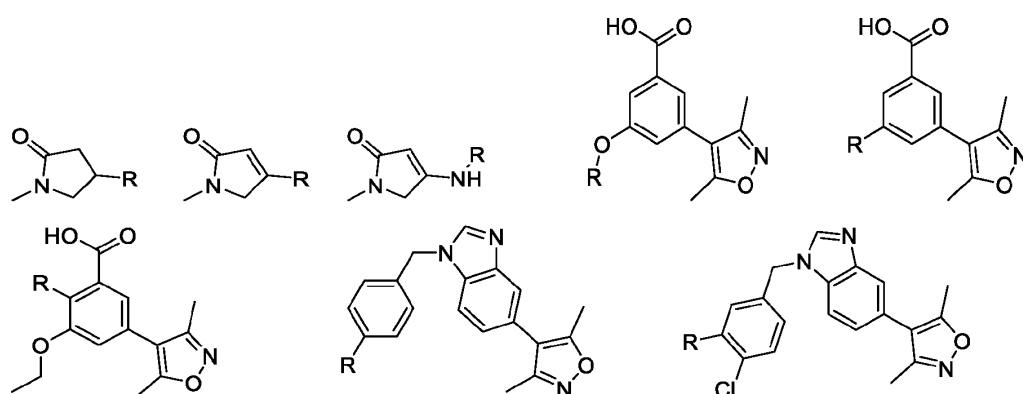


FIG. 3IIII

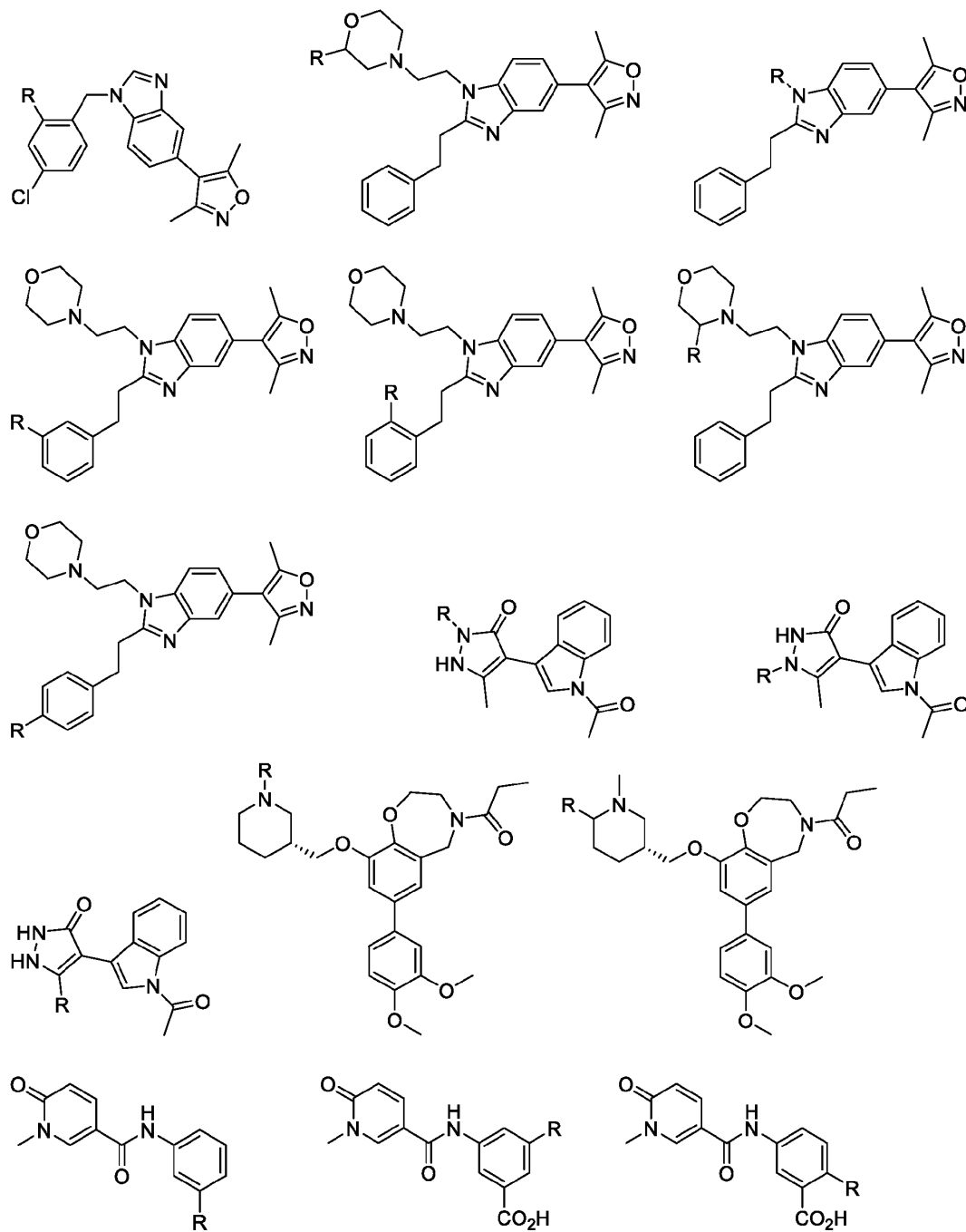




FIG. 3JJJJ

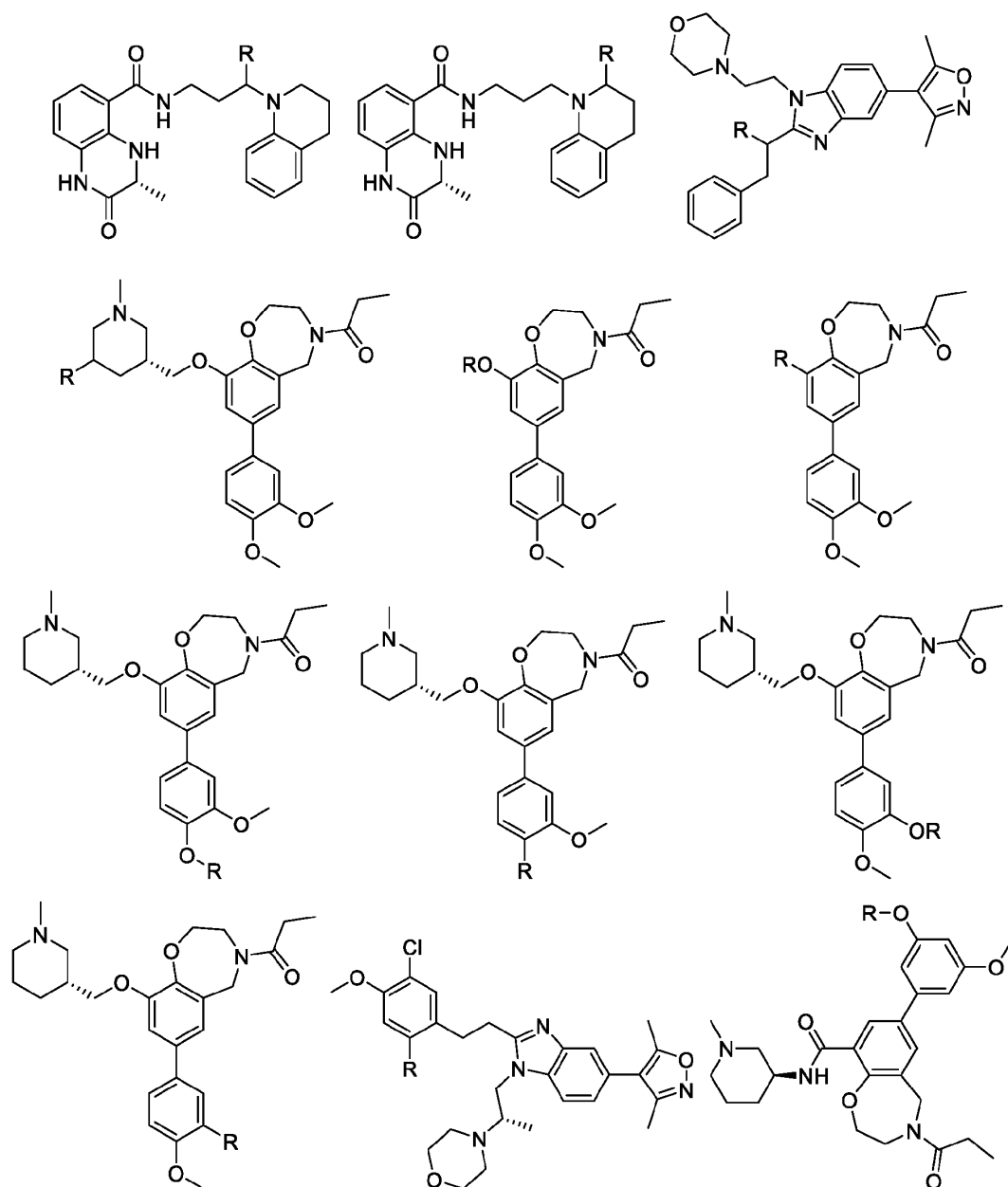


FIG. 3KKKK

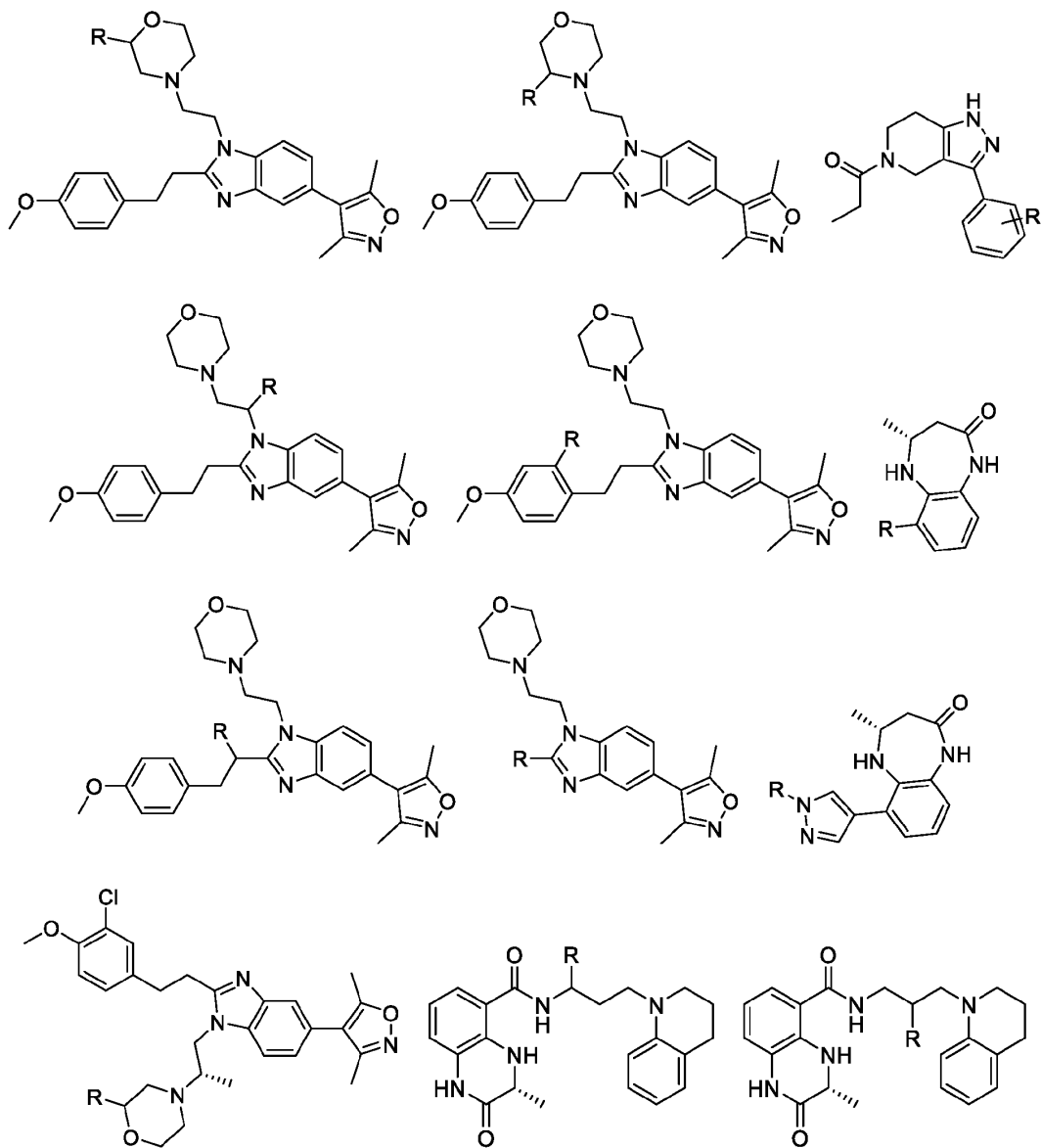


FIG. 3L L L L

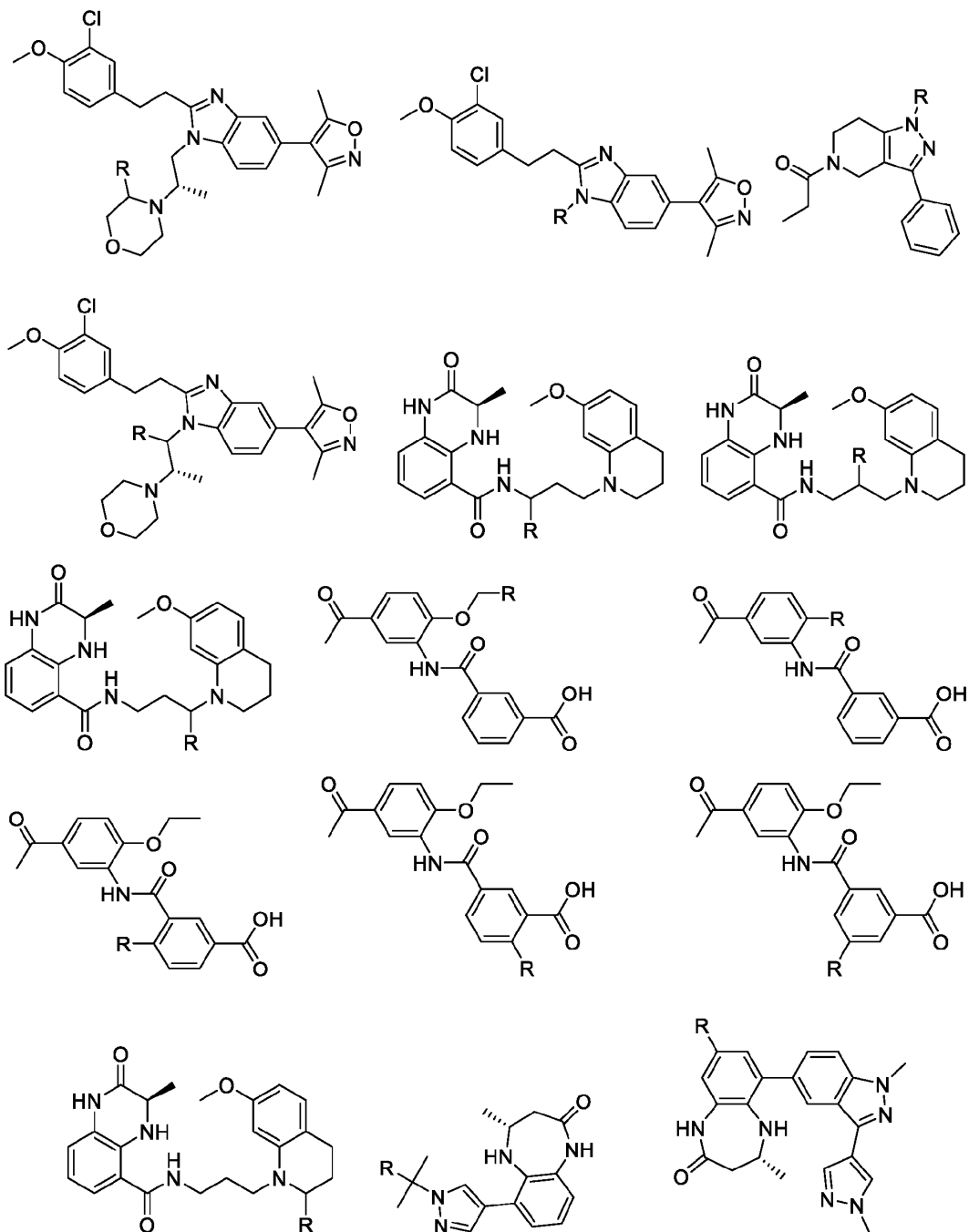


FIG. 3MMM

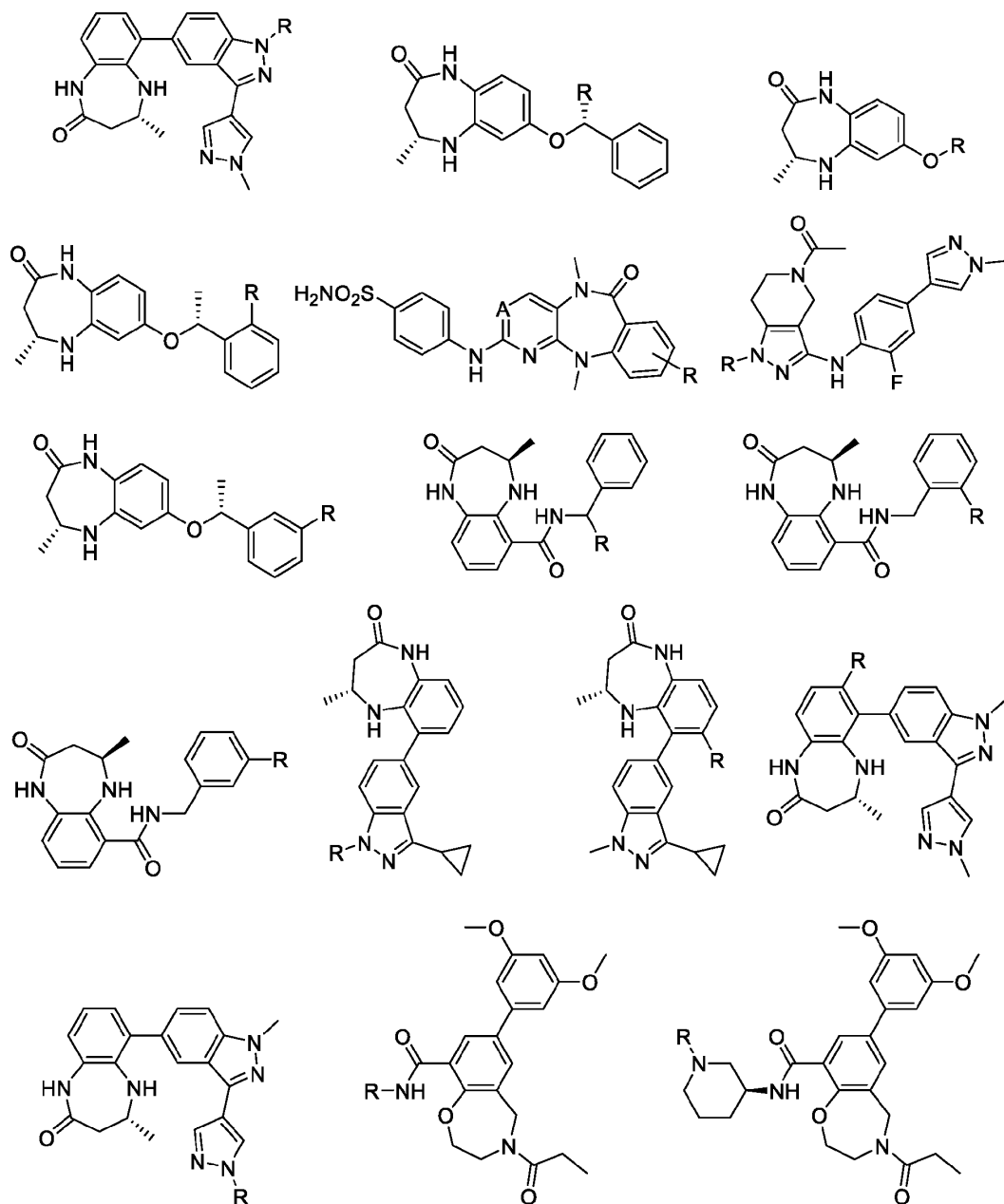


FIG. 3NNNN

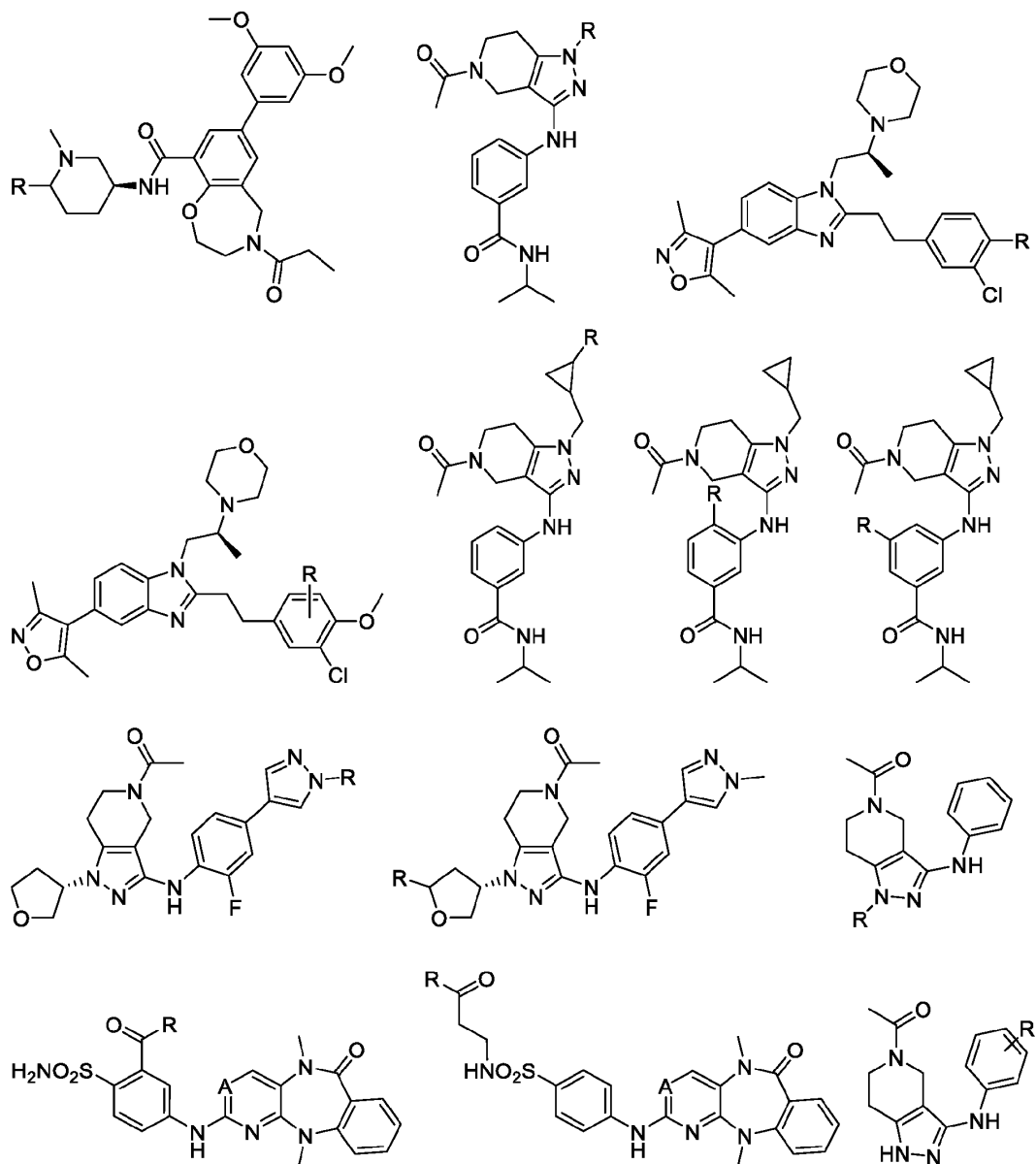


FIG. 30000

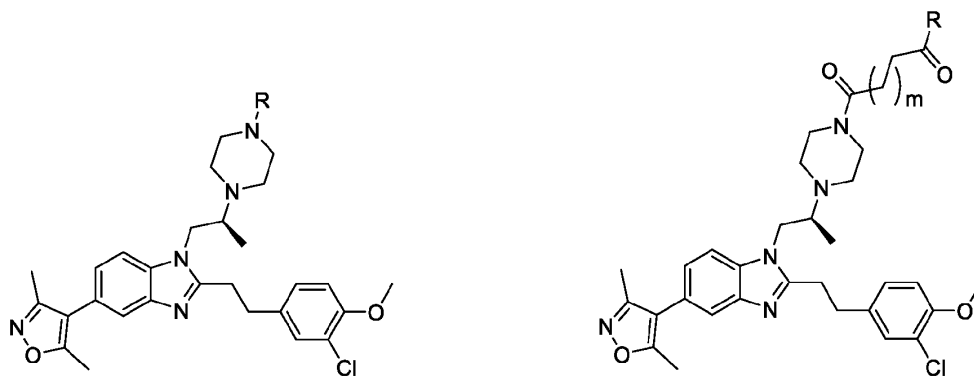


FIG. 3PPPP

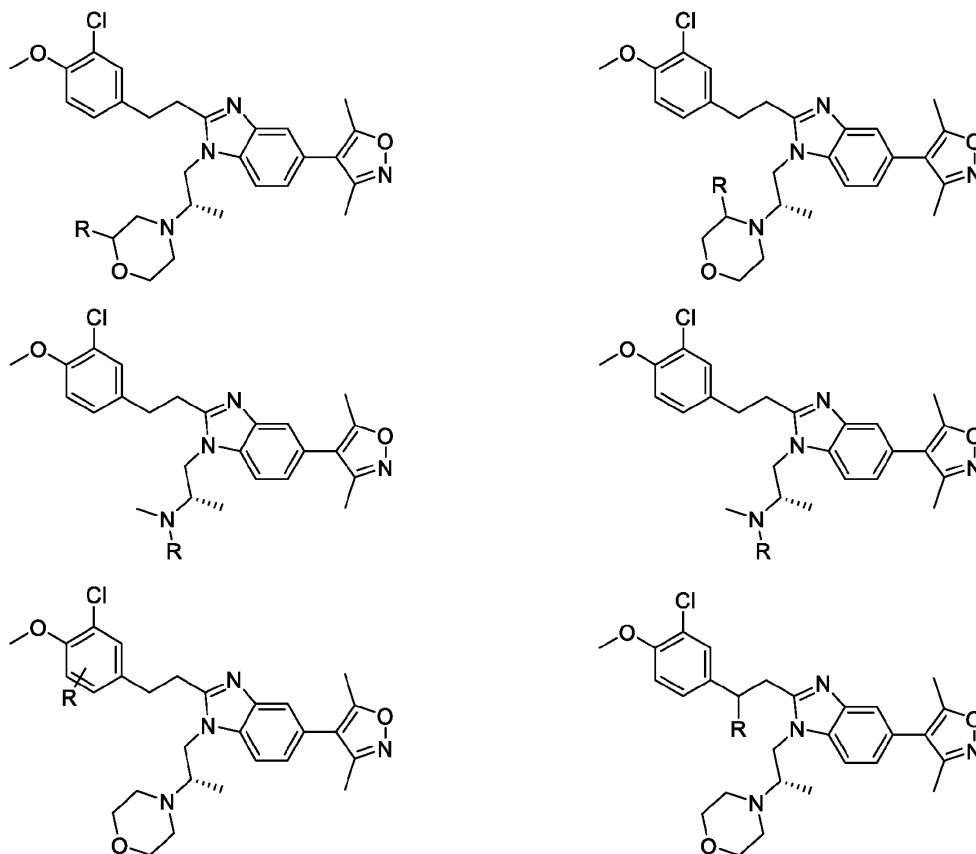


FIG. 3QQQQ

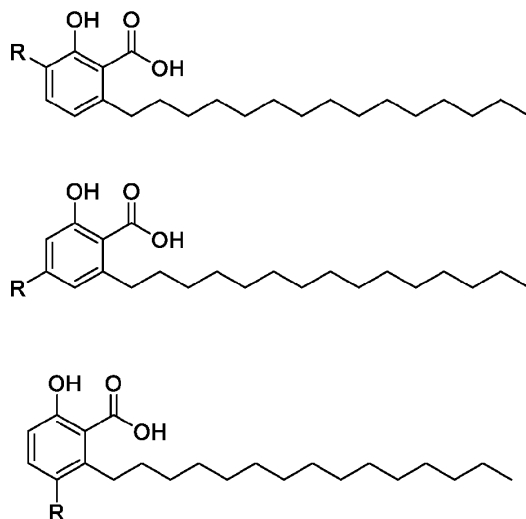


FIG. 3RRRR

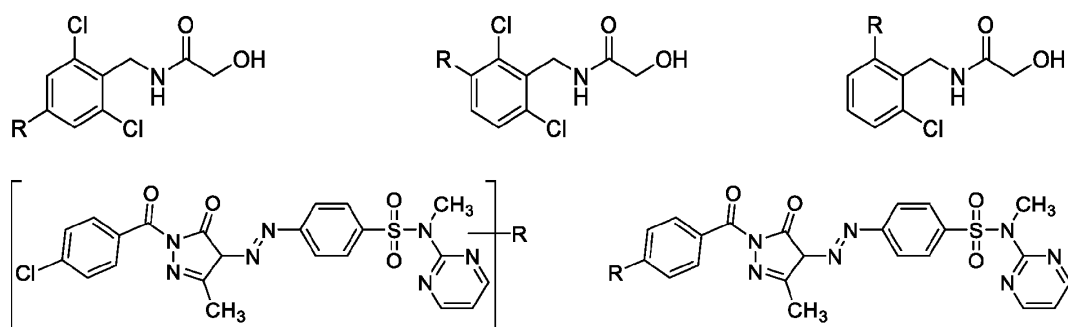


FIG. 3SSSS

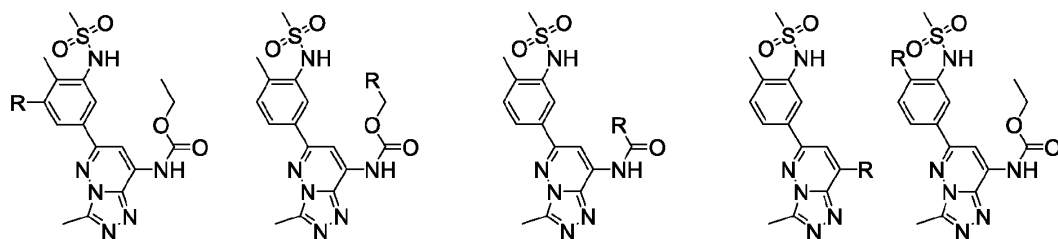


FIG. 3TTTT

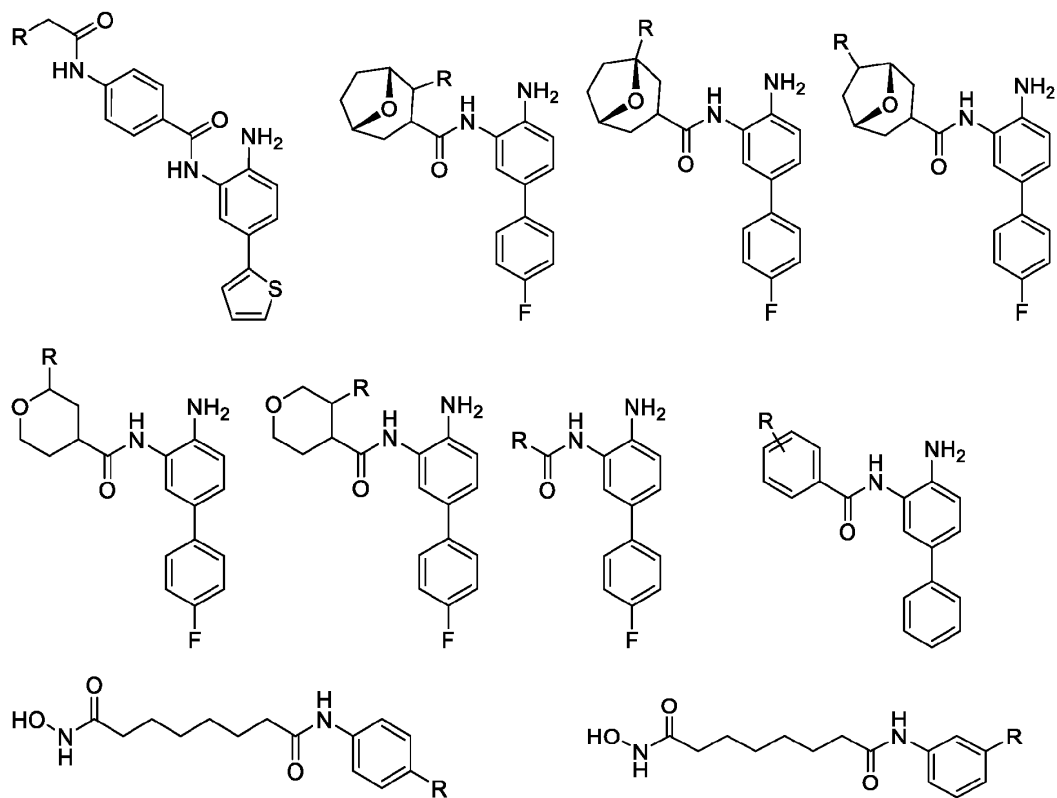


FIG. 3UUUU

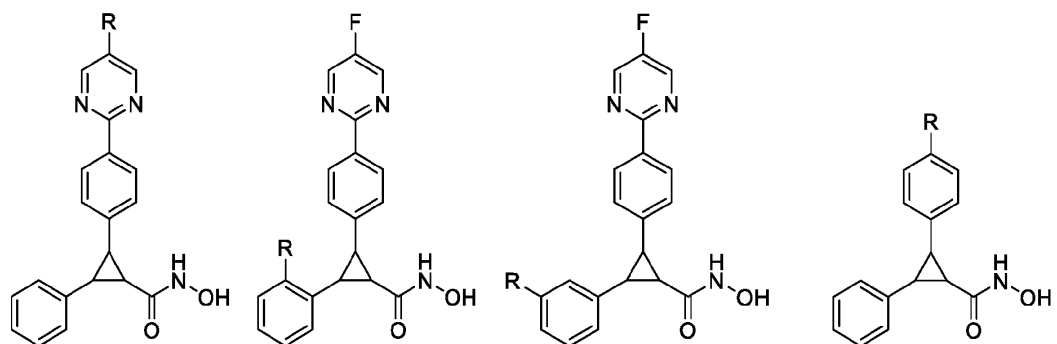




FIG. 3VVVV

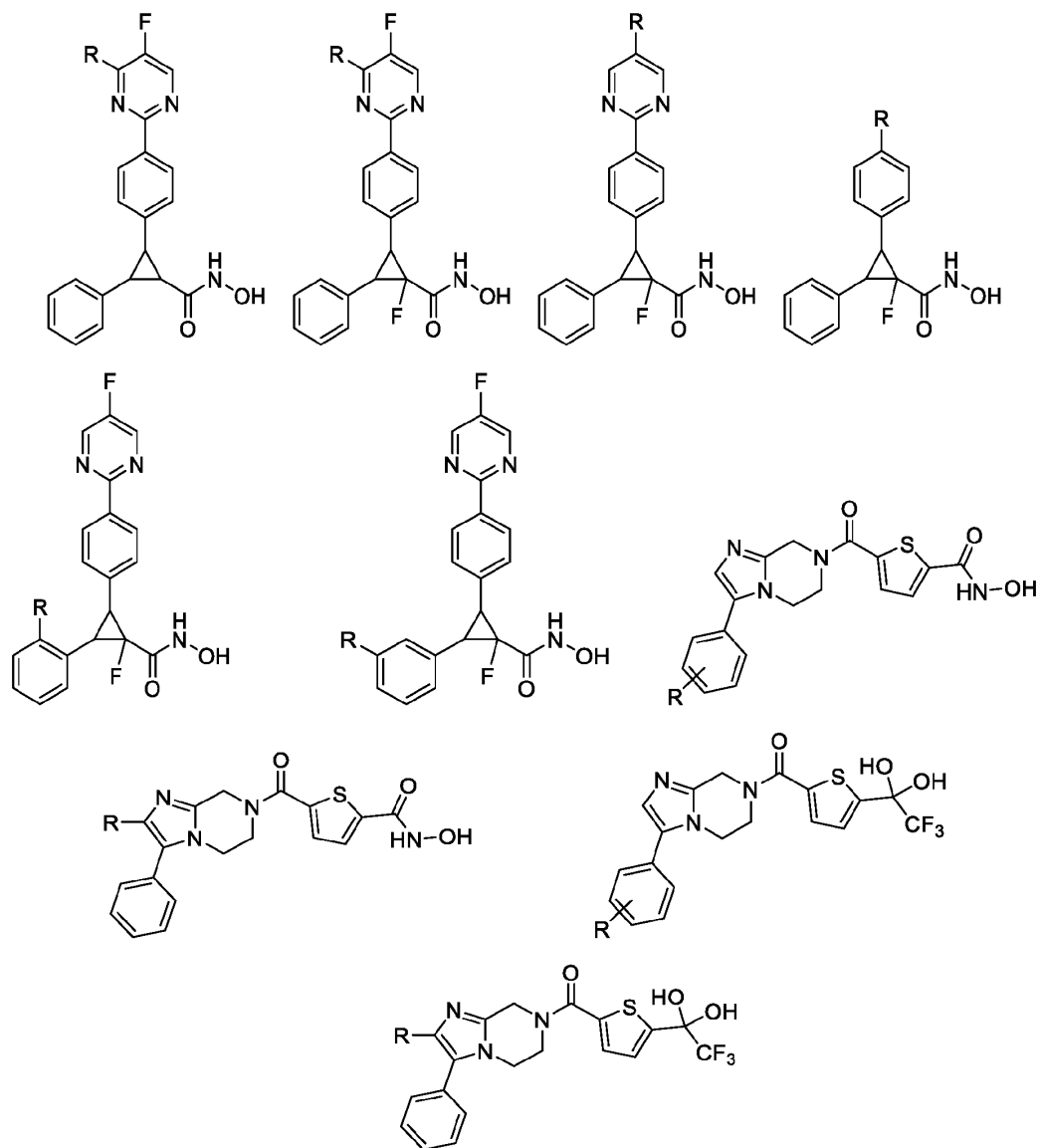


FIG. 3WWWW

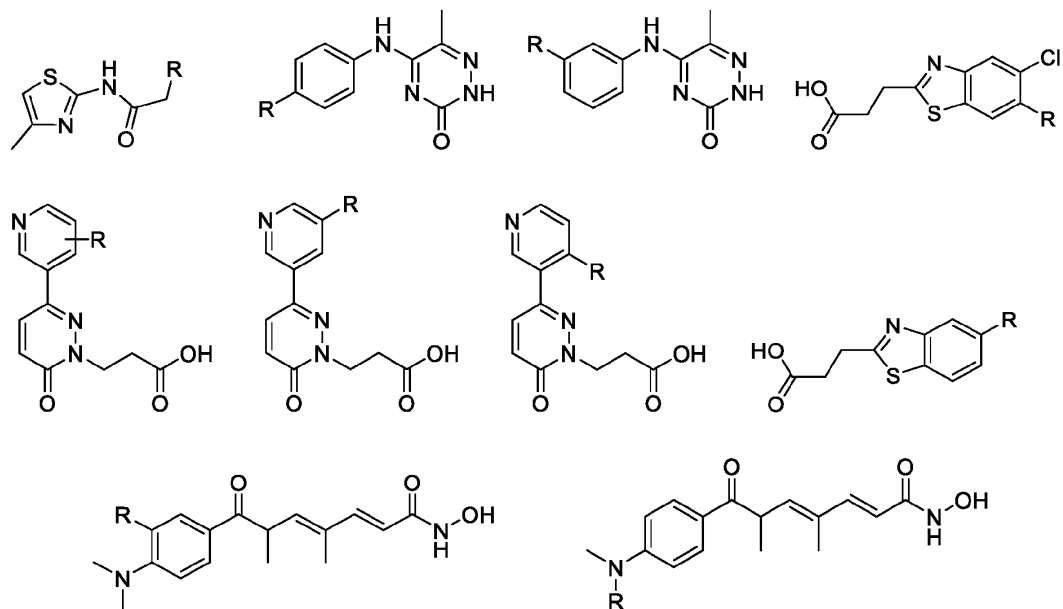


FIG. 3XXXX

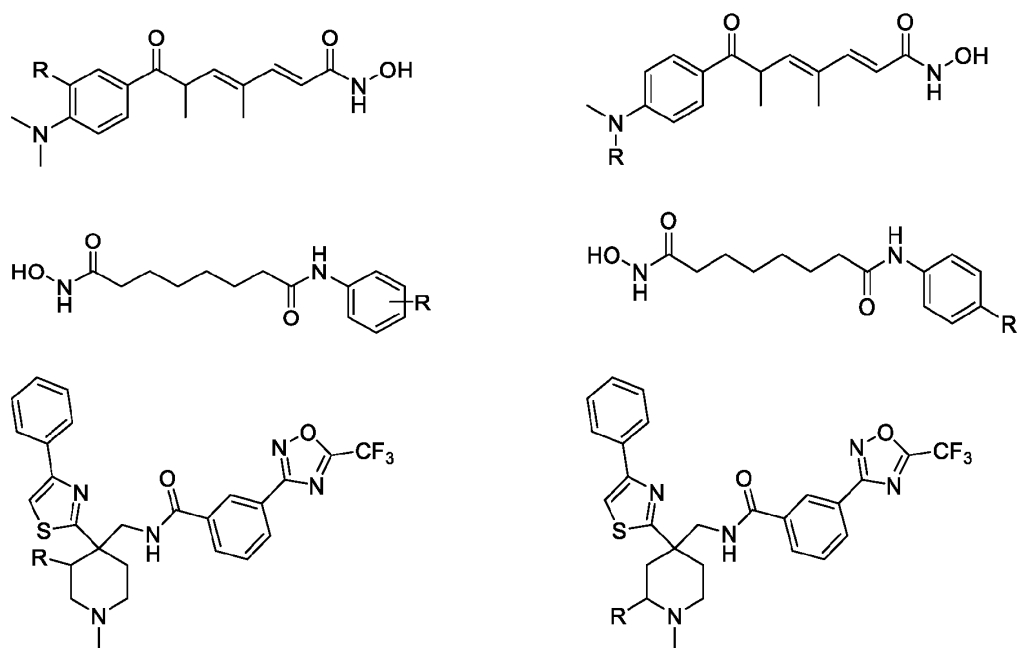


FIG. 3YYYY

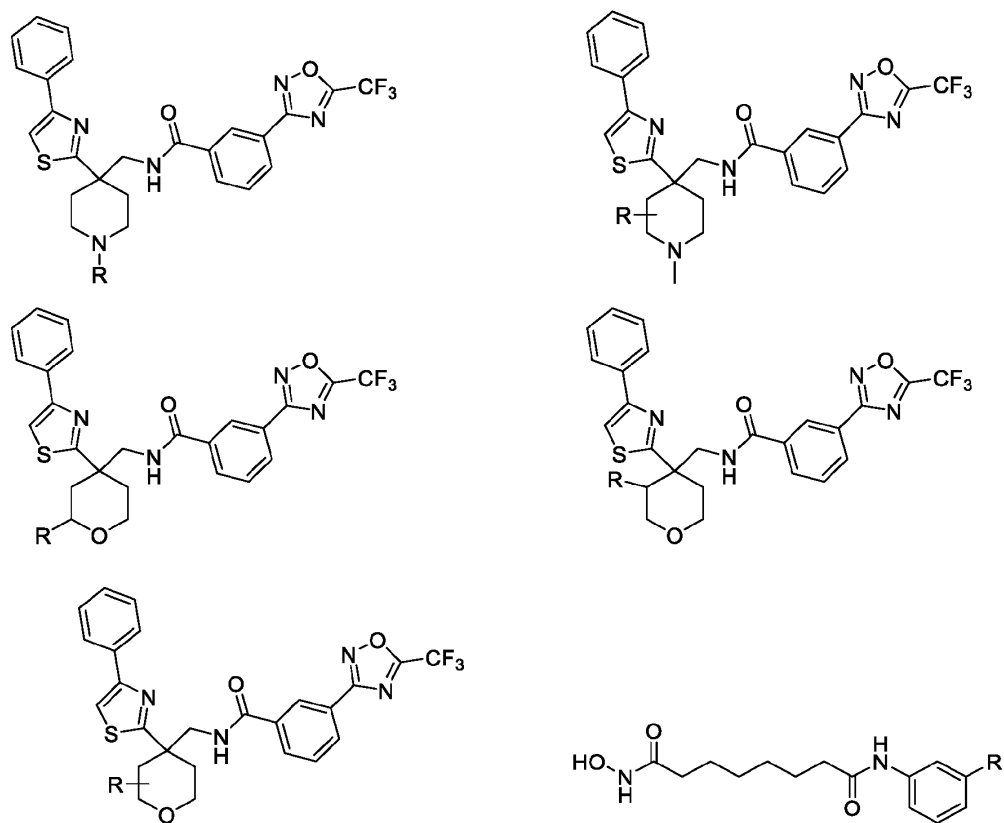


FIG. 3ZZZZ

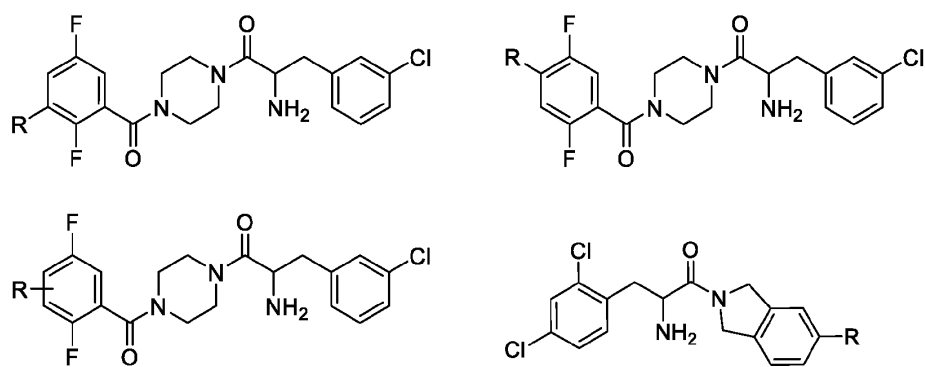


FIG. 3A AAAA

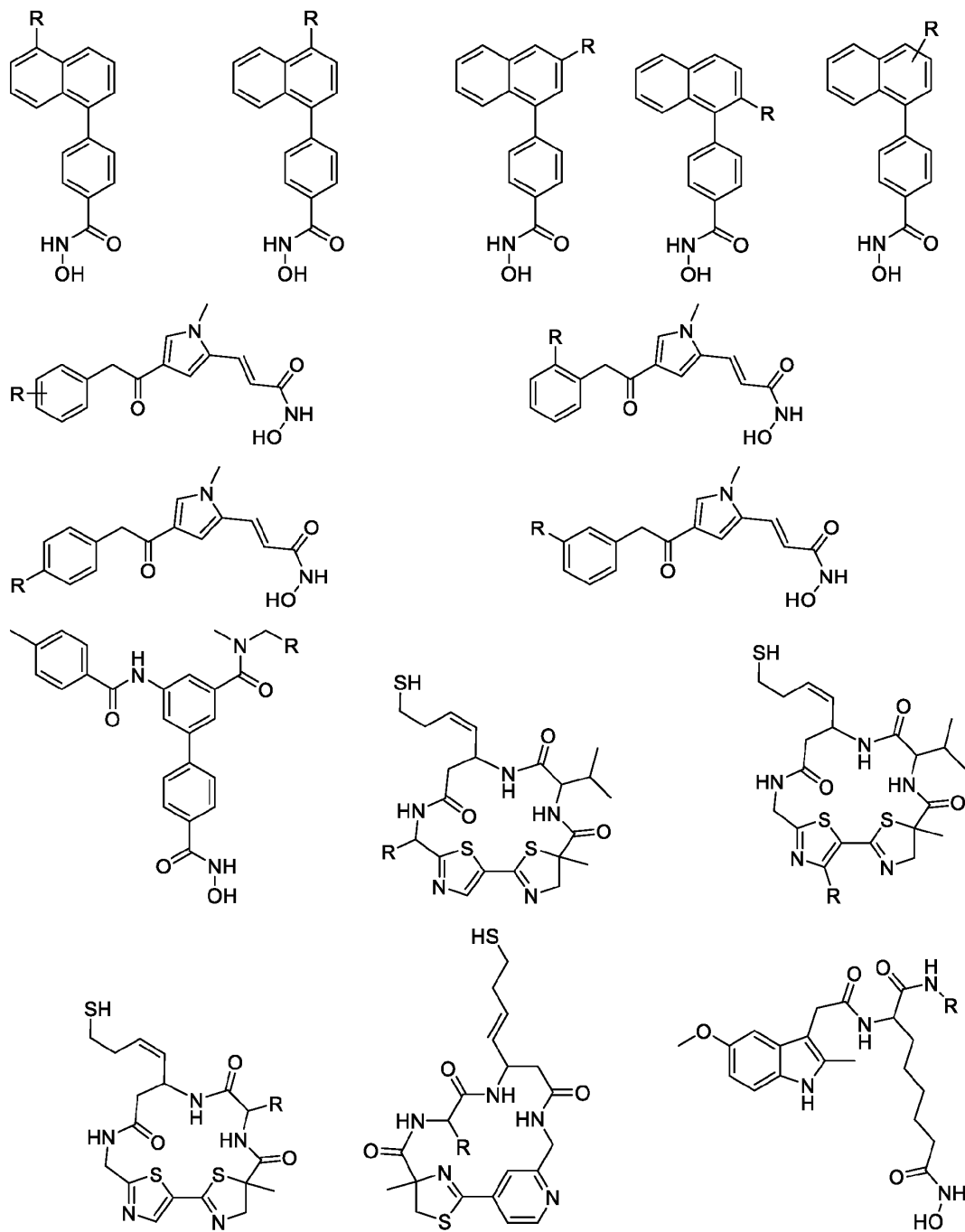


FIG. 3BBBBB

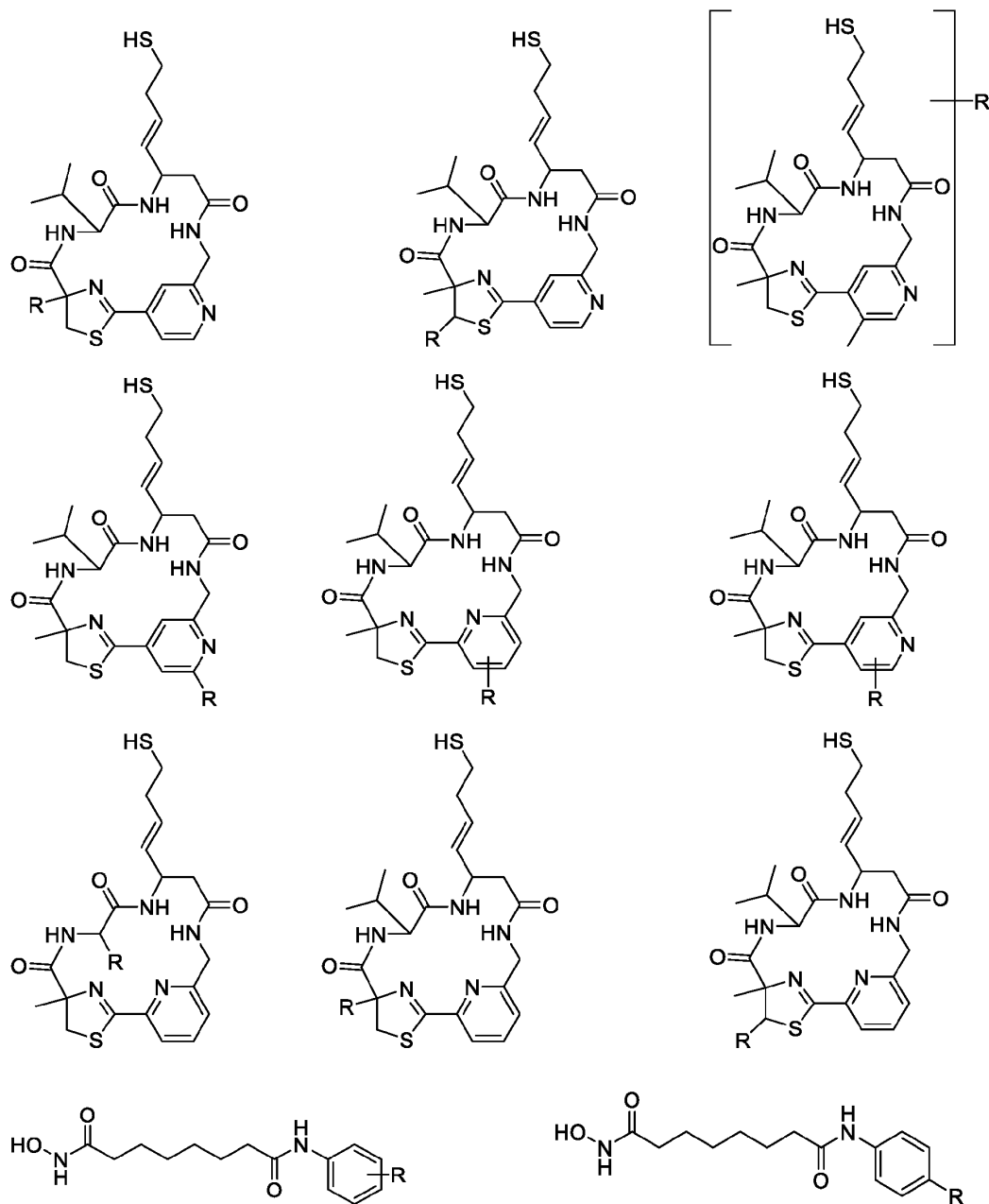


FIG. 3CCCC

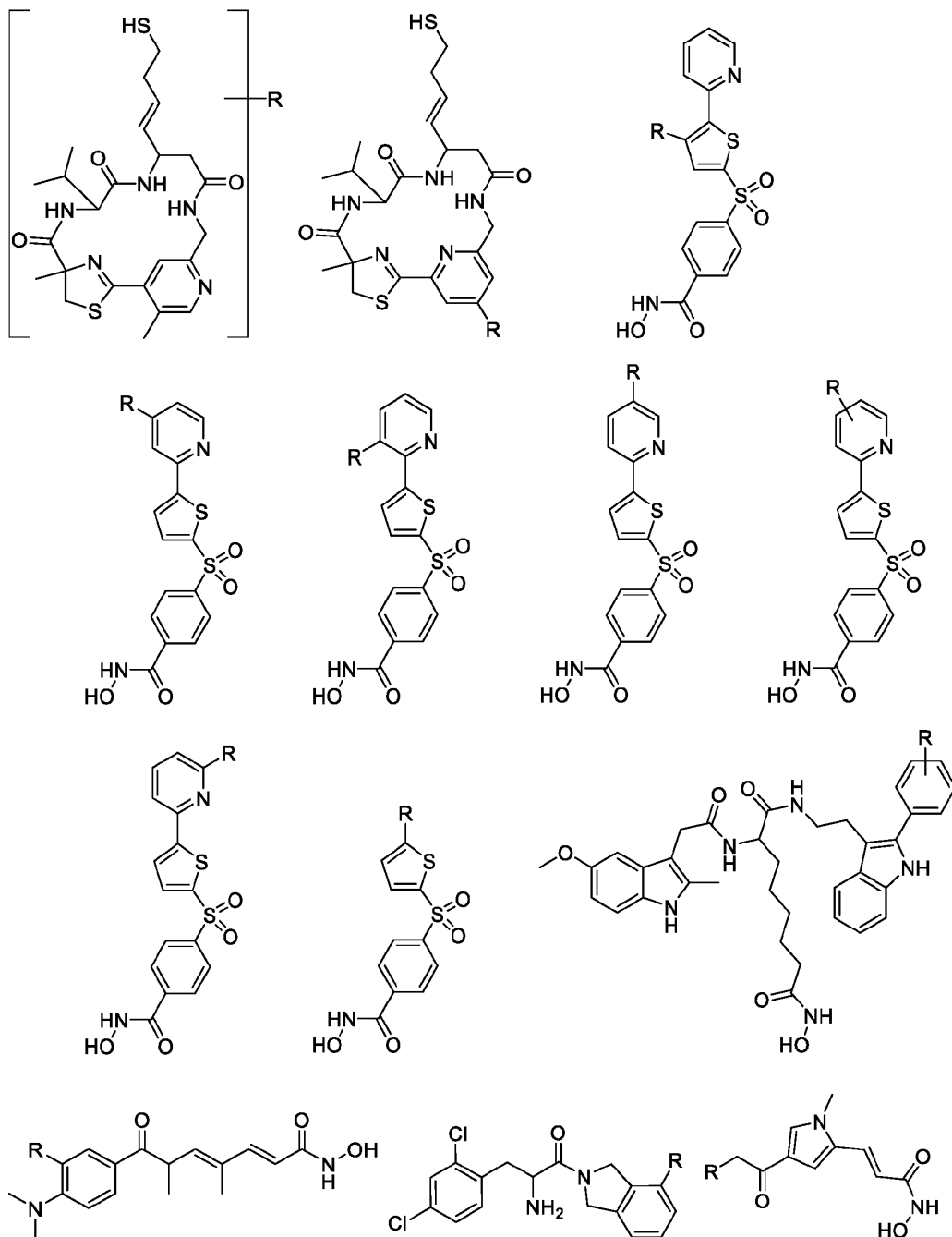


FIG. 3DDDDD

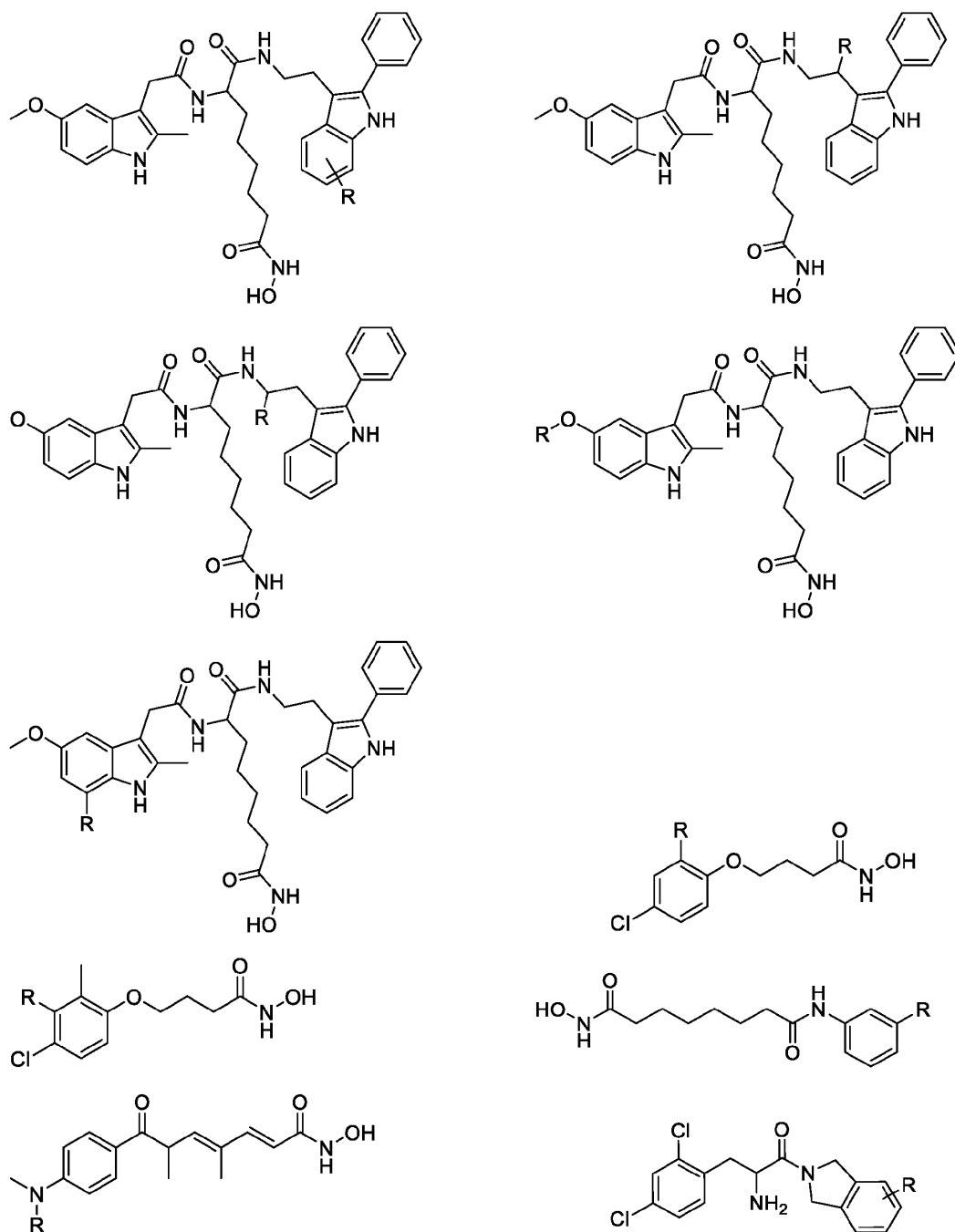


FIG. 3EEEE

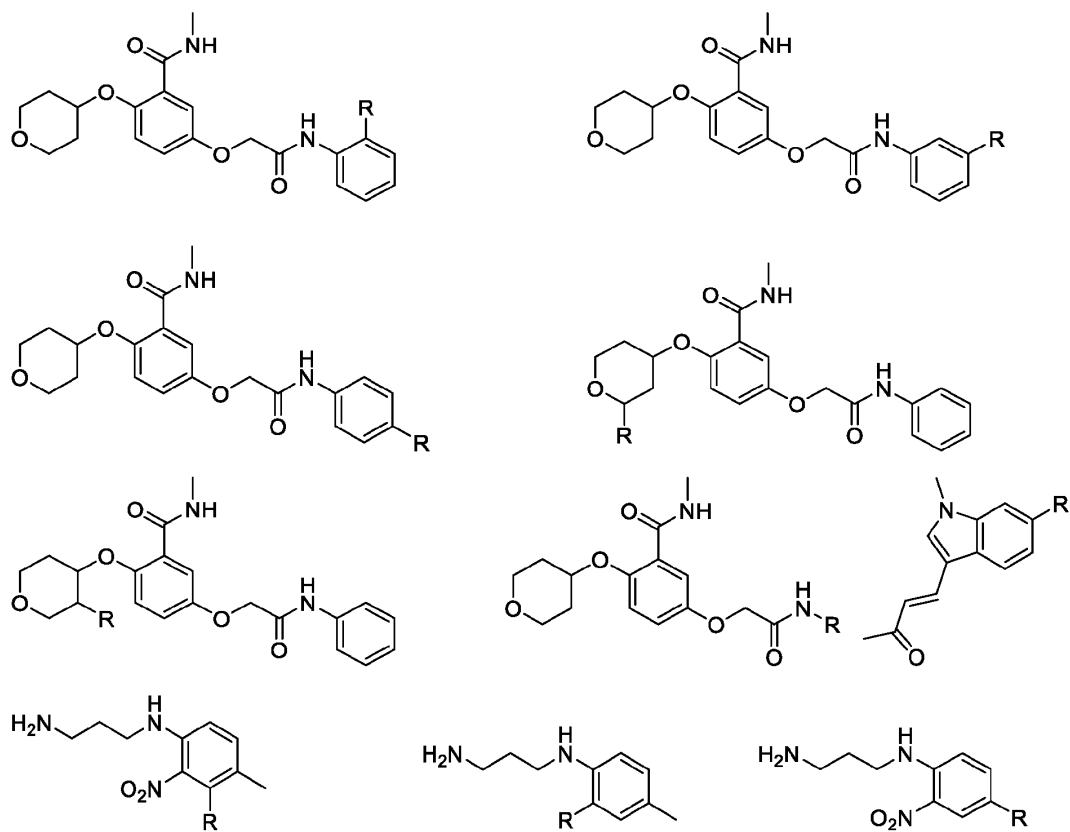


FIG. 3FFFF

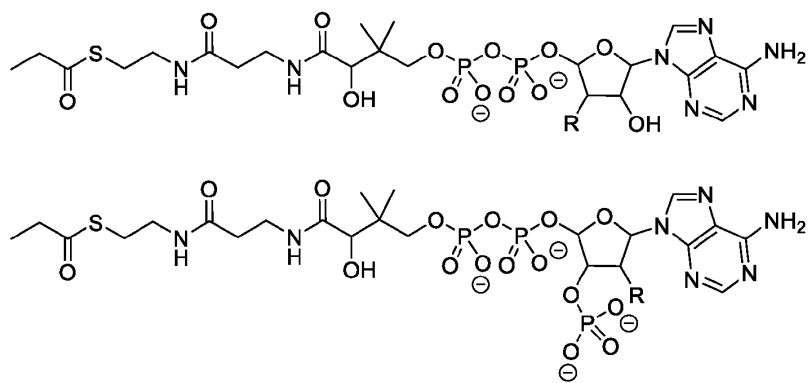




FIG. 3GGGGG

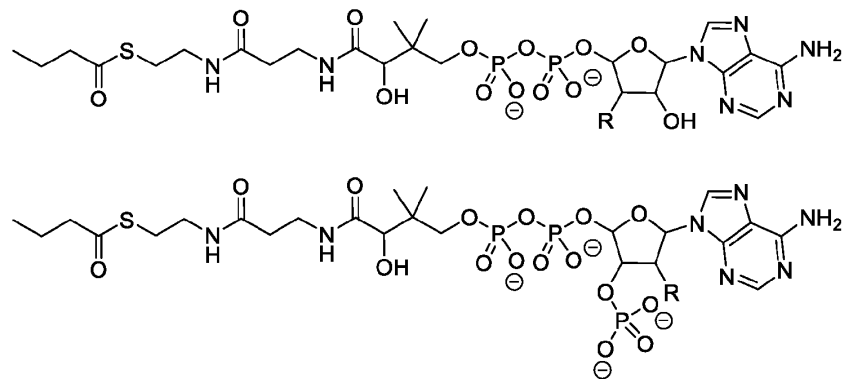


FIG. 3HHHHH

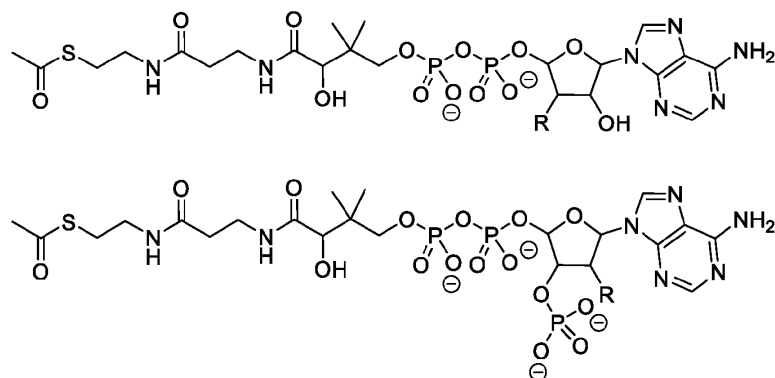


FIG. 3IIII

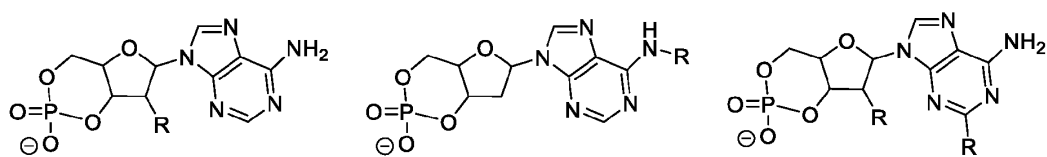


FIG. 3JJJJ

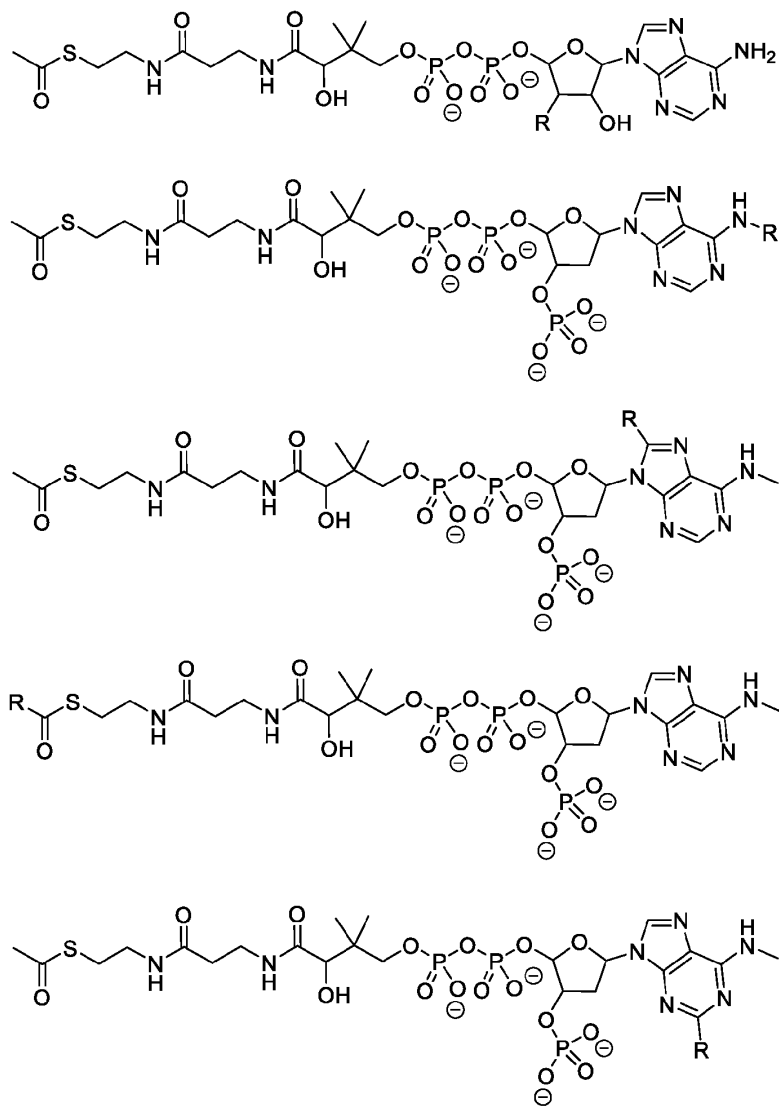


FIG. 3KKKKK

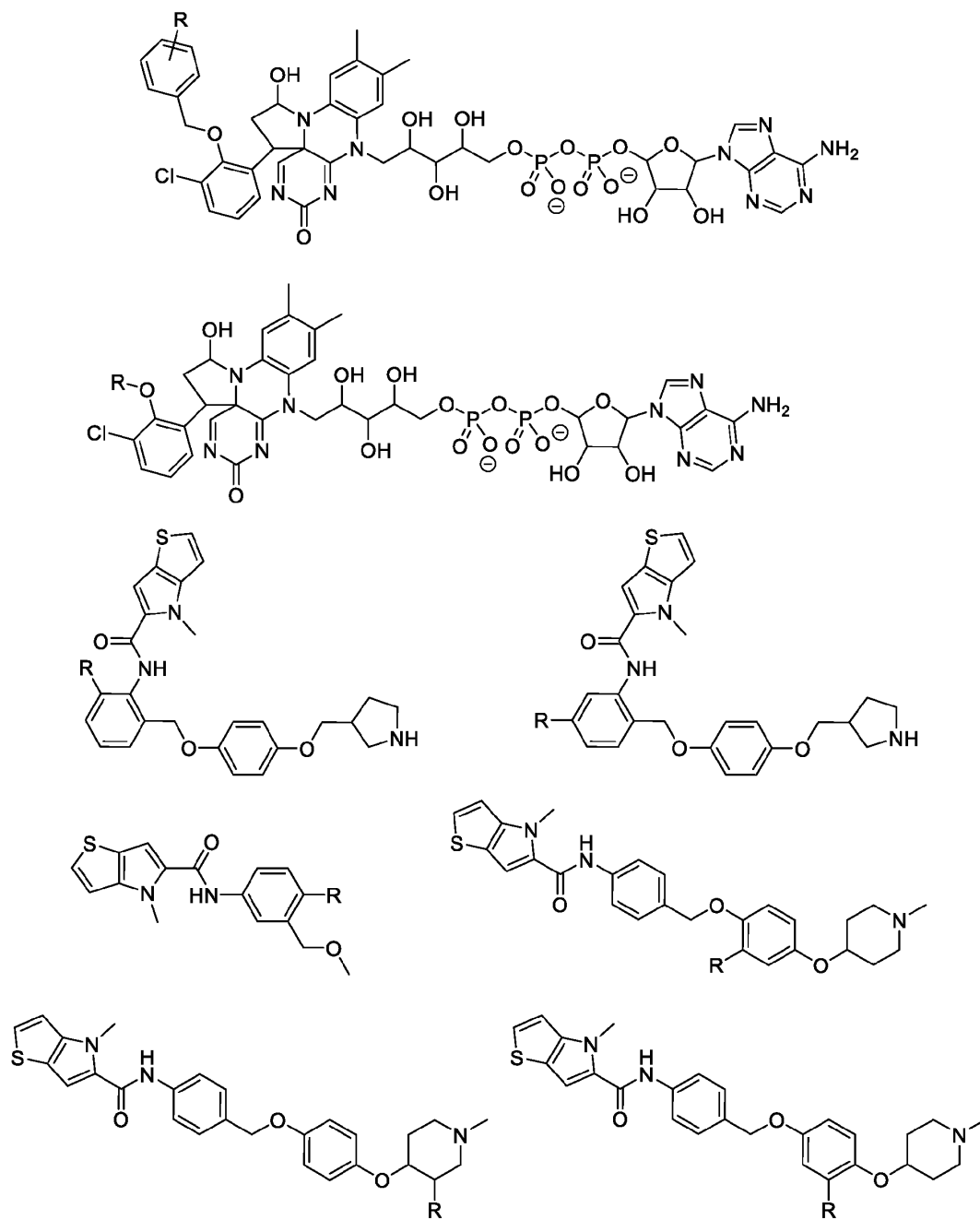


FIG. 3L L L L

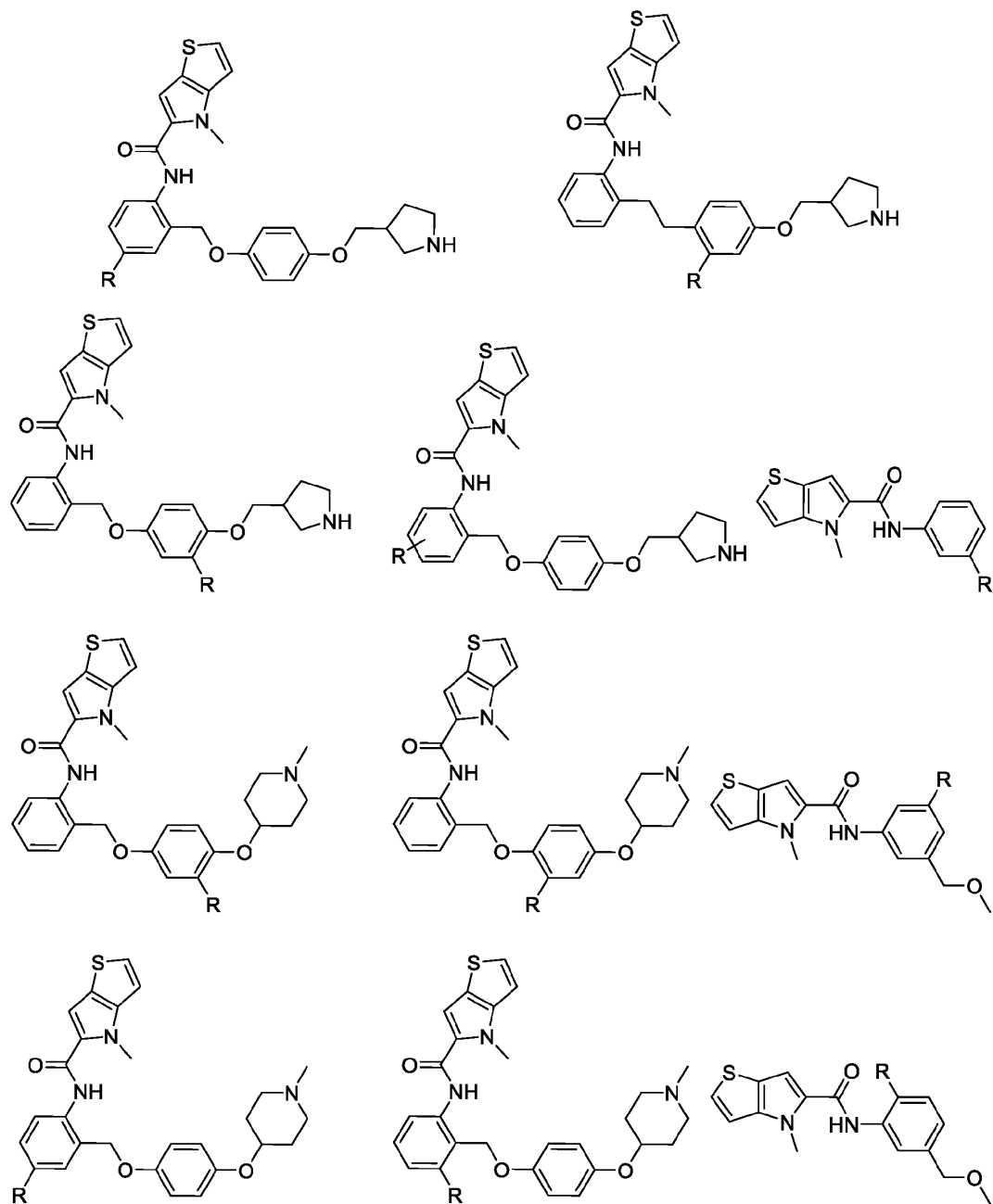


FIG. 3MMMMM

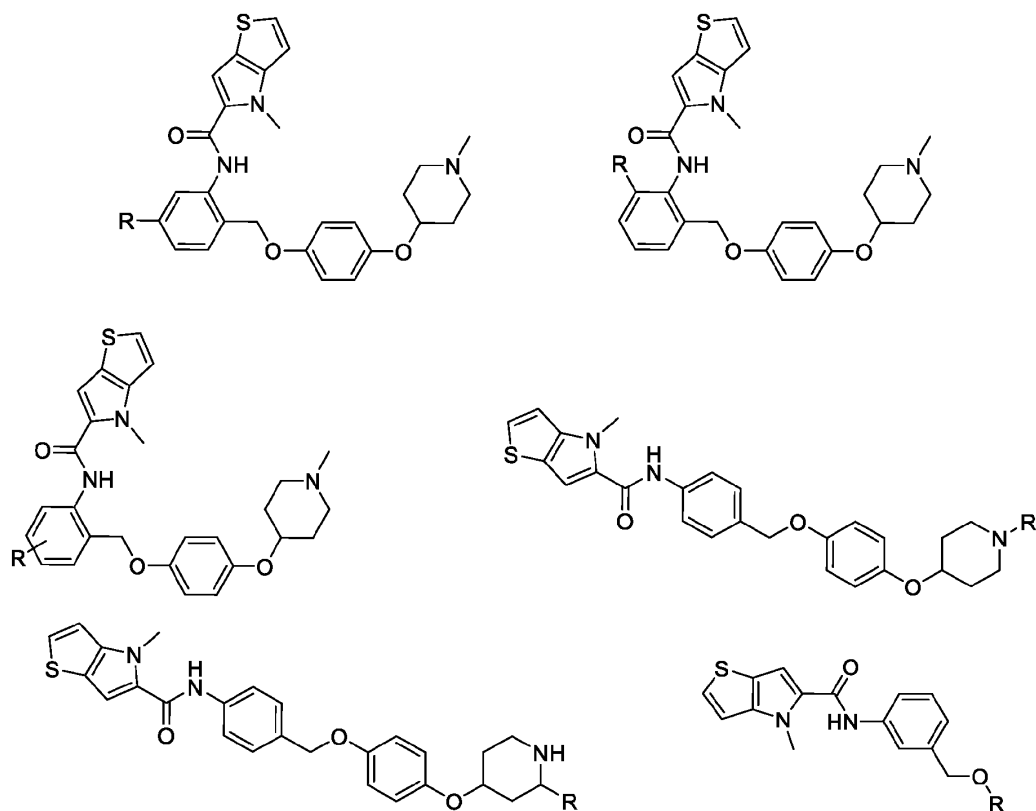


FIG. 3NNNNN



FIG. 300000

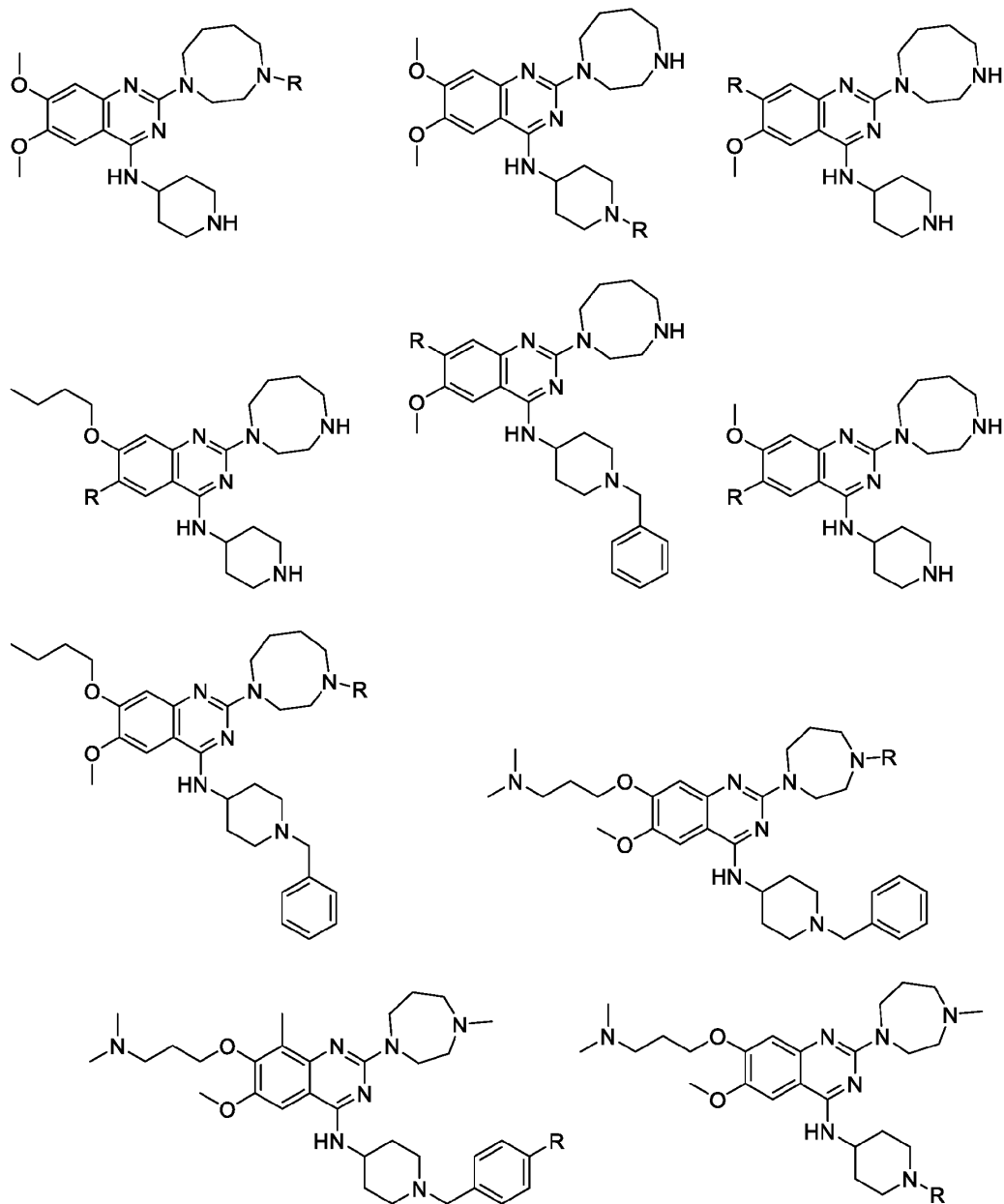


FIG. 3PPPPP

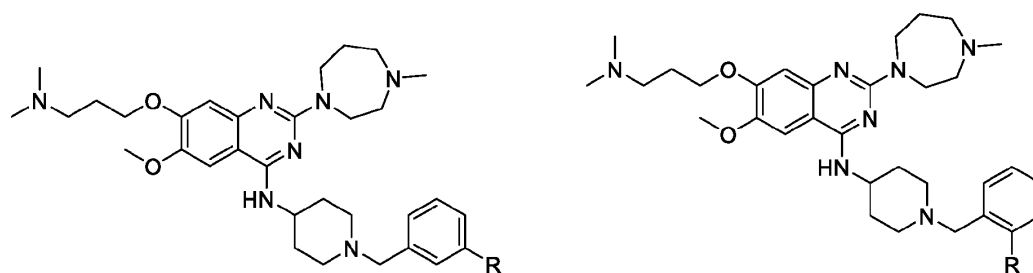


FIG. 3QQQQQ

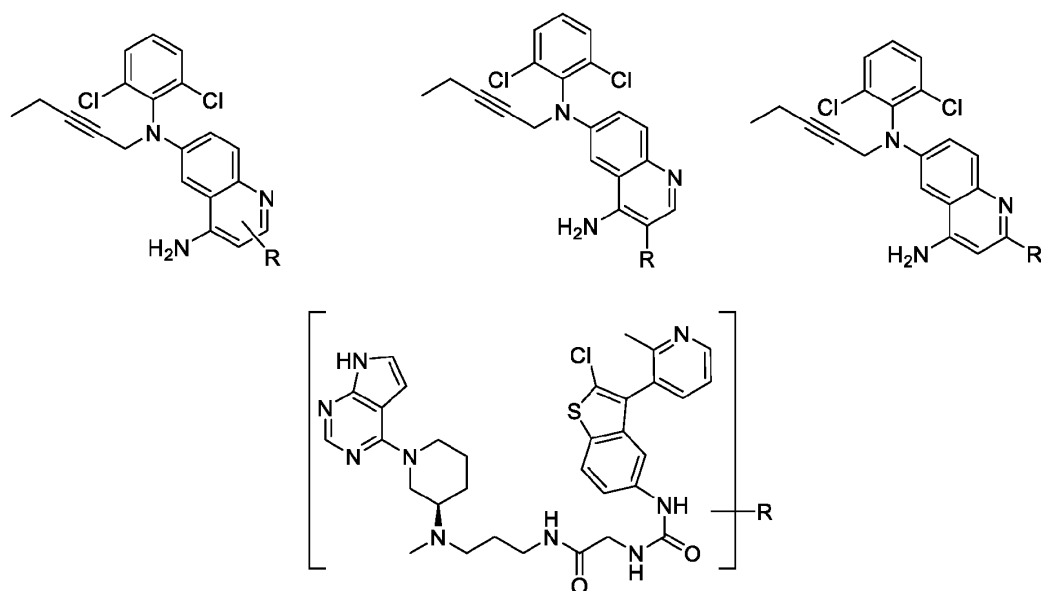


FIG. 3RRRRR

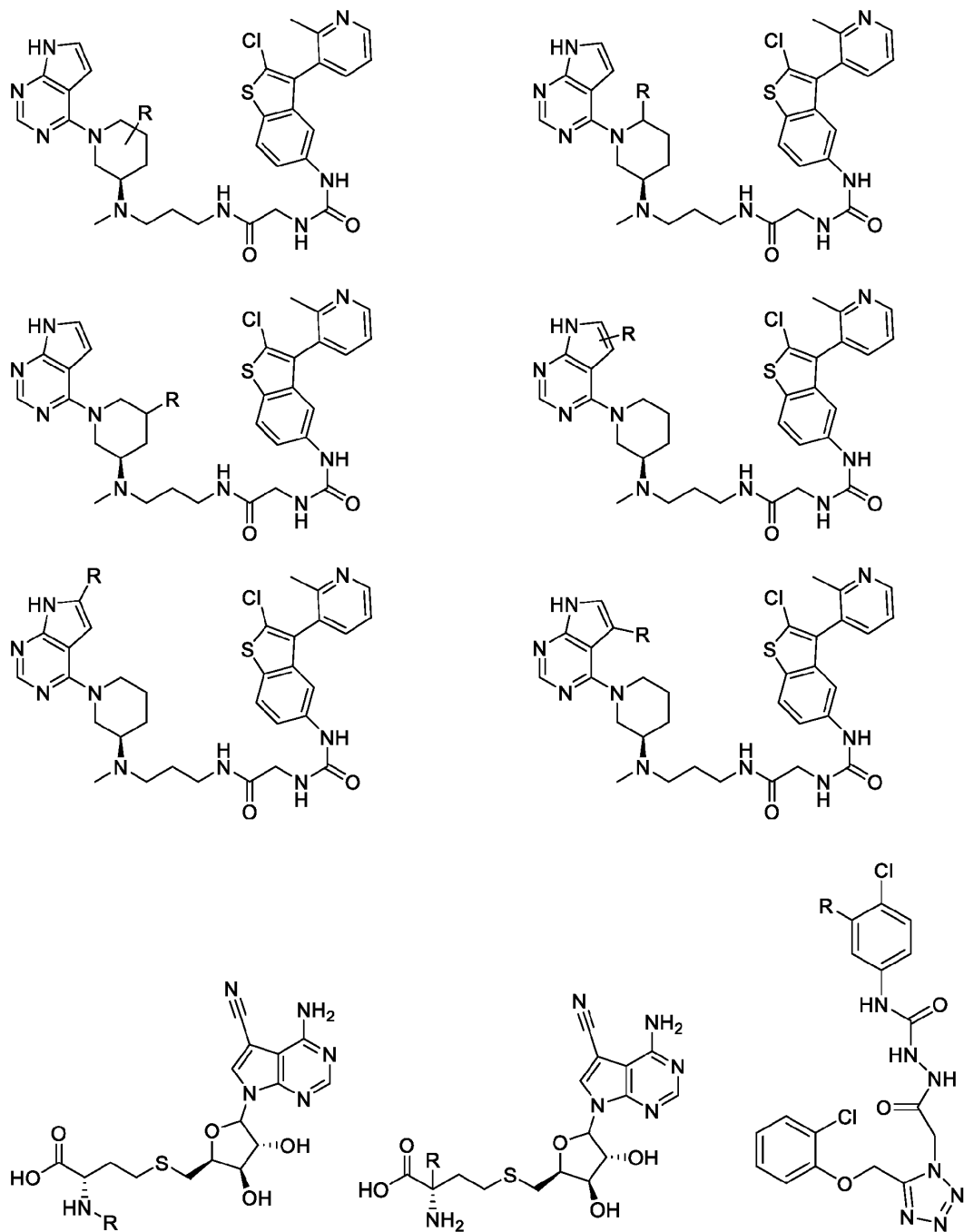




FIG. 3SSSSS

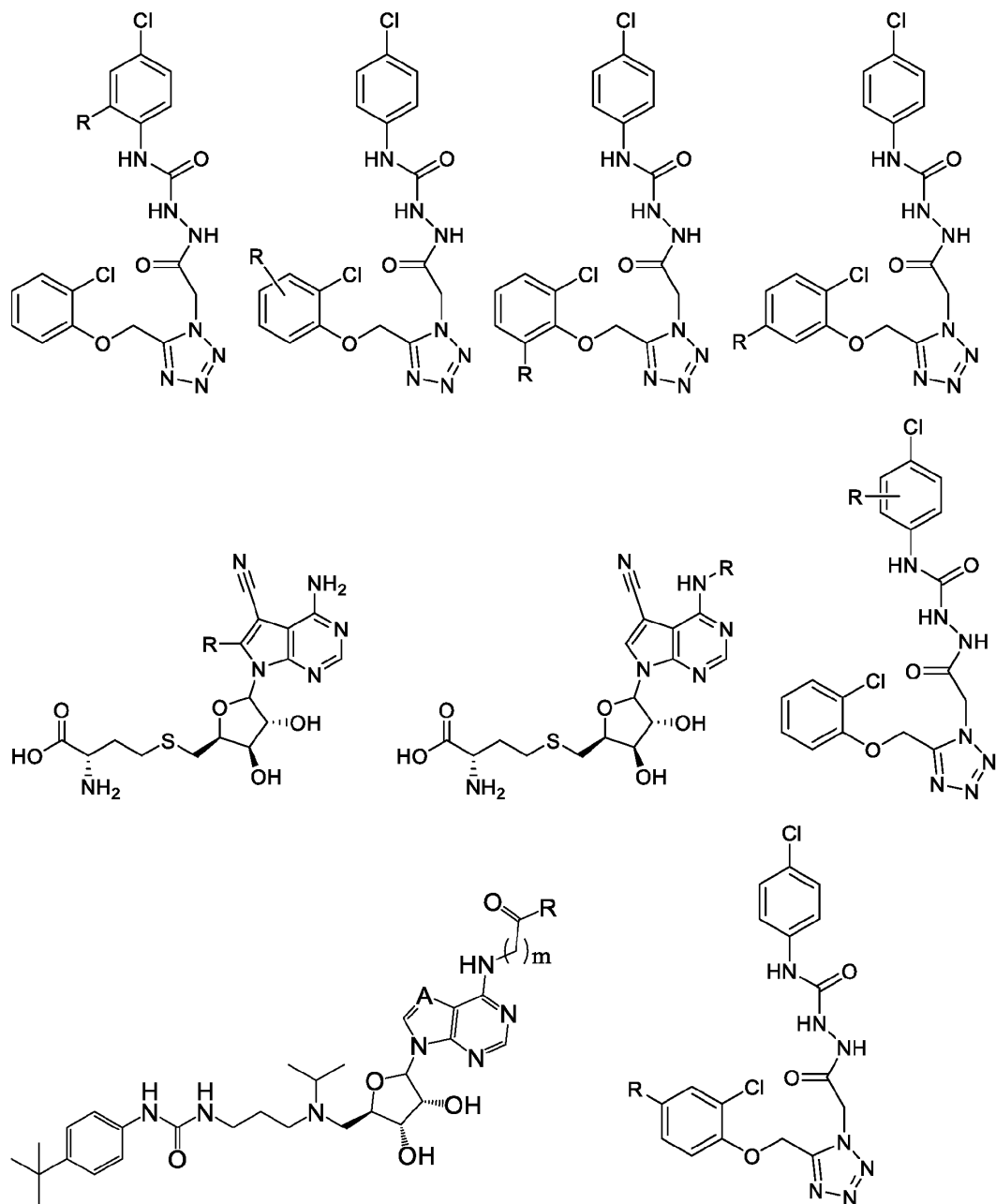


FIG. 3TTTTT

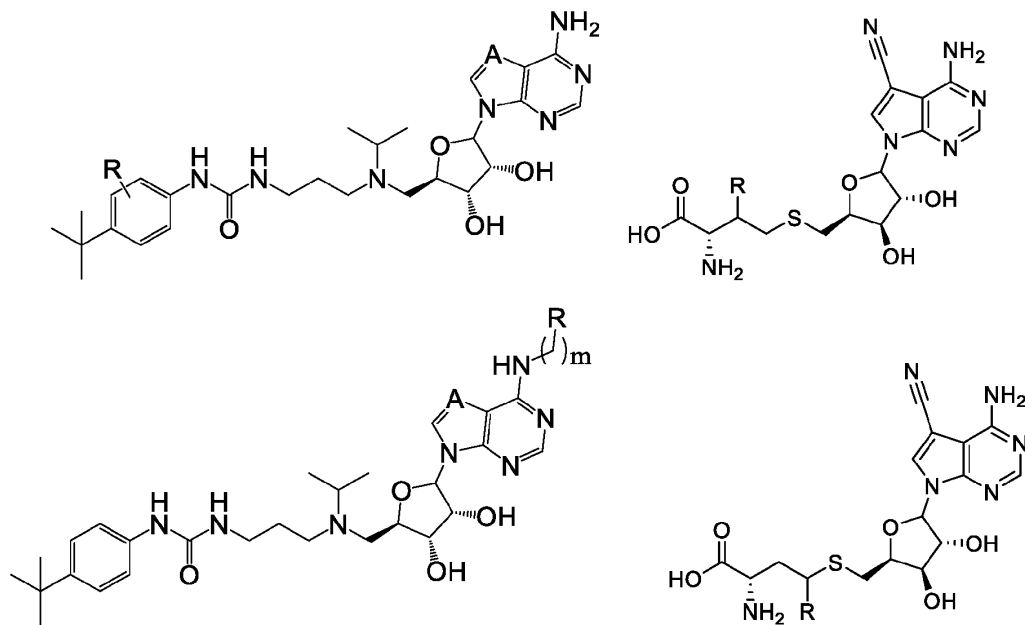


FIG. 3UUUUU

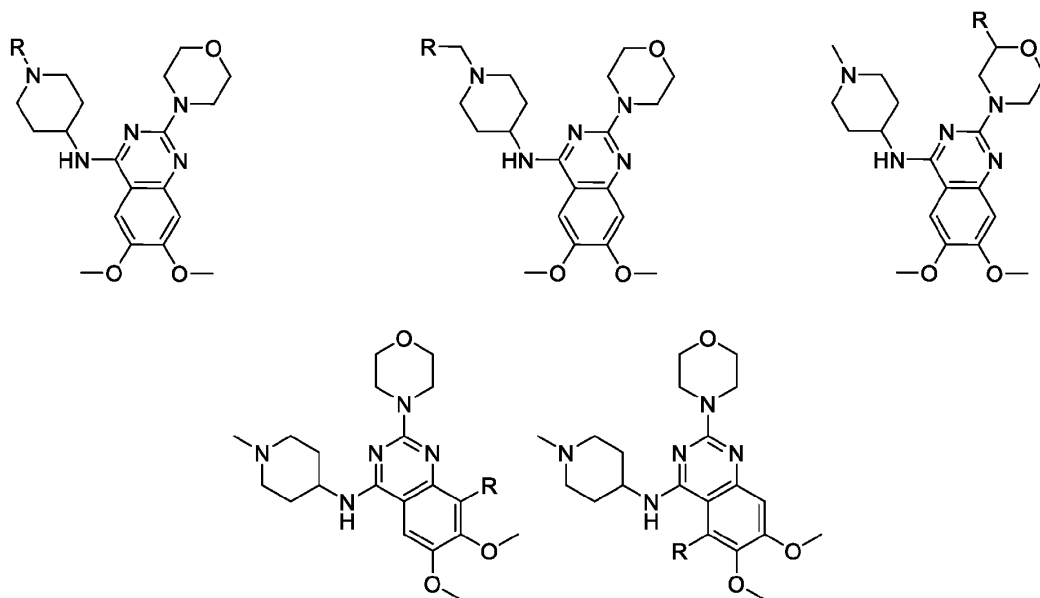


FIG. 3VVVVV

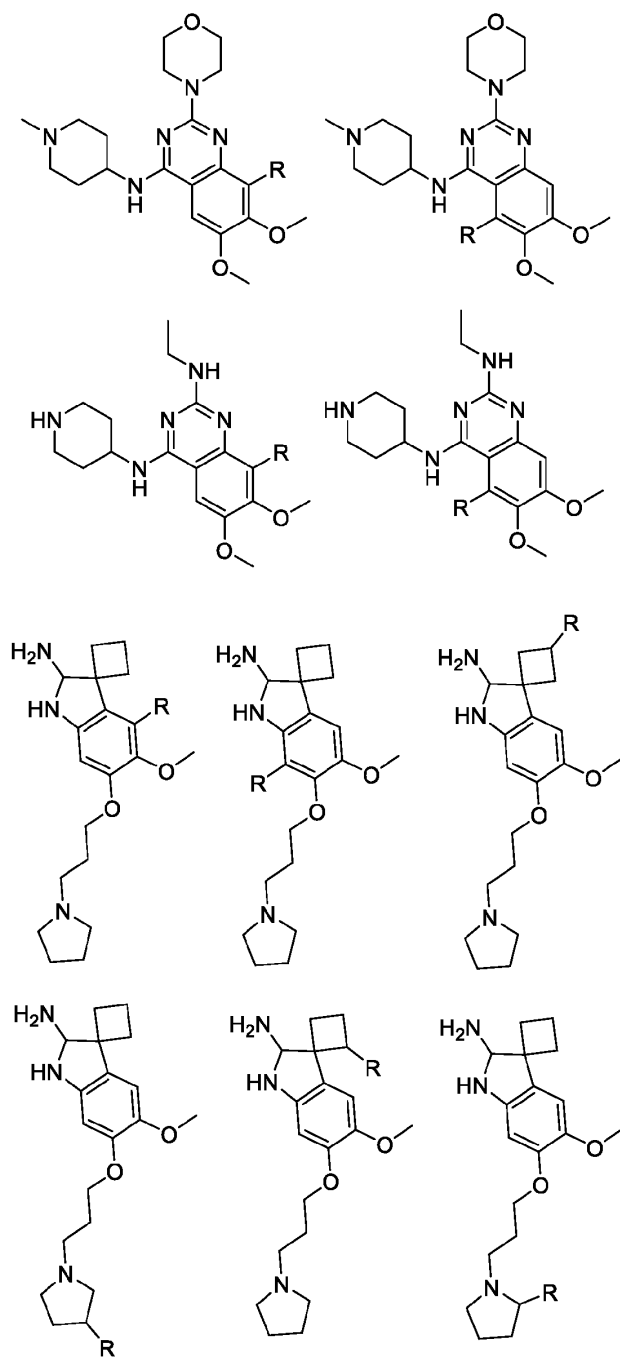


FIG. 3WWWWW

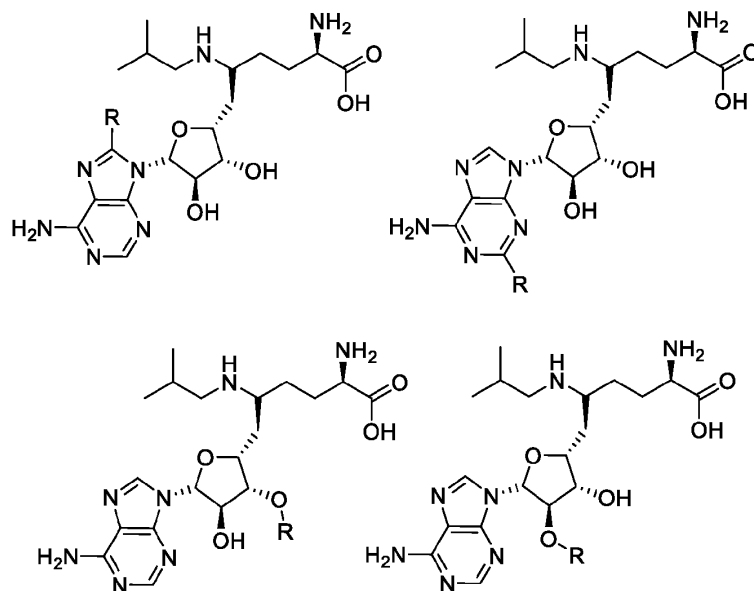


FIG. 3XXXXX

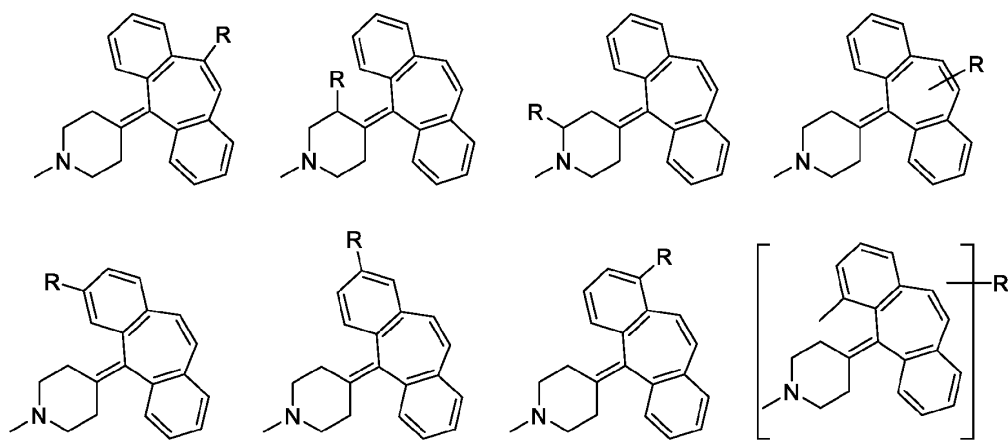


FIG. 3YYYYYY

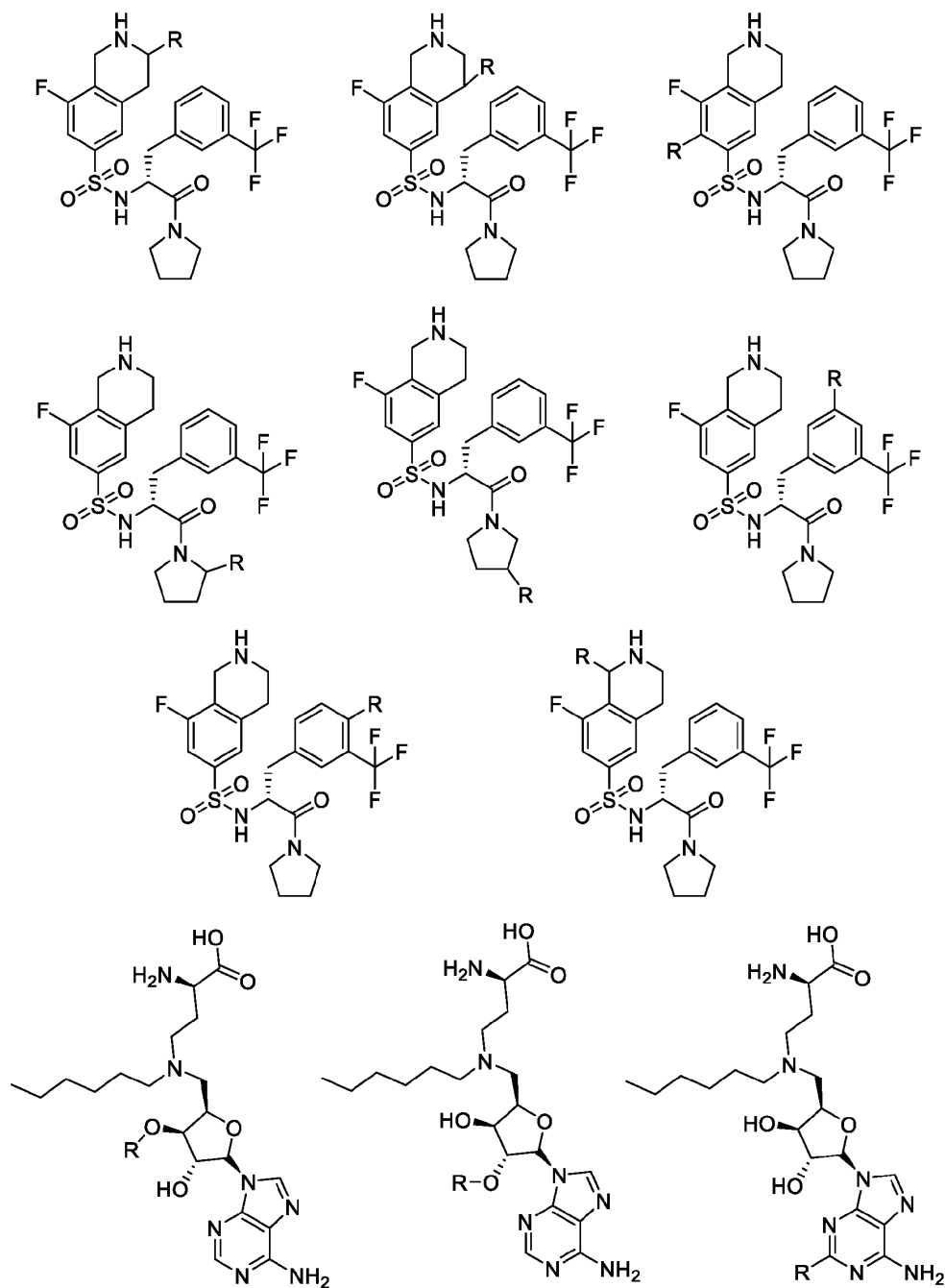


FIG. 3ZZZZZ

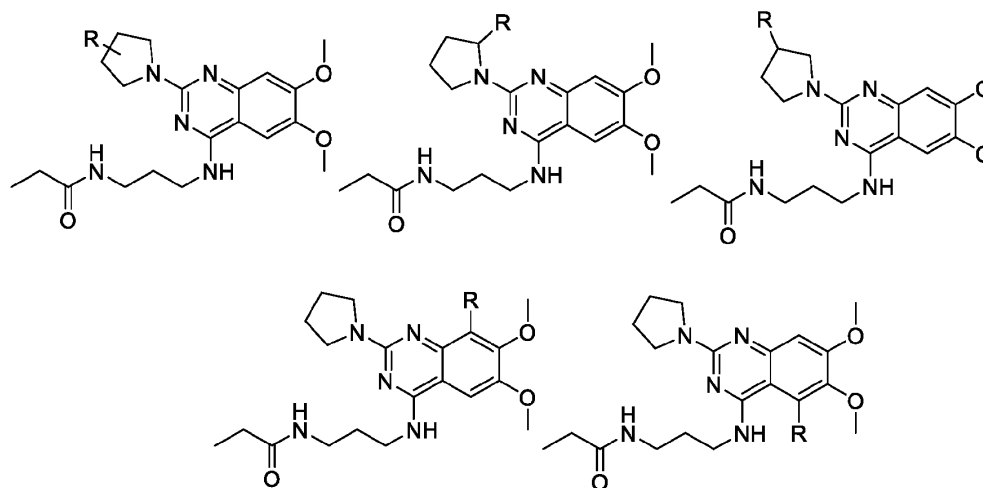


FIG. 4A

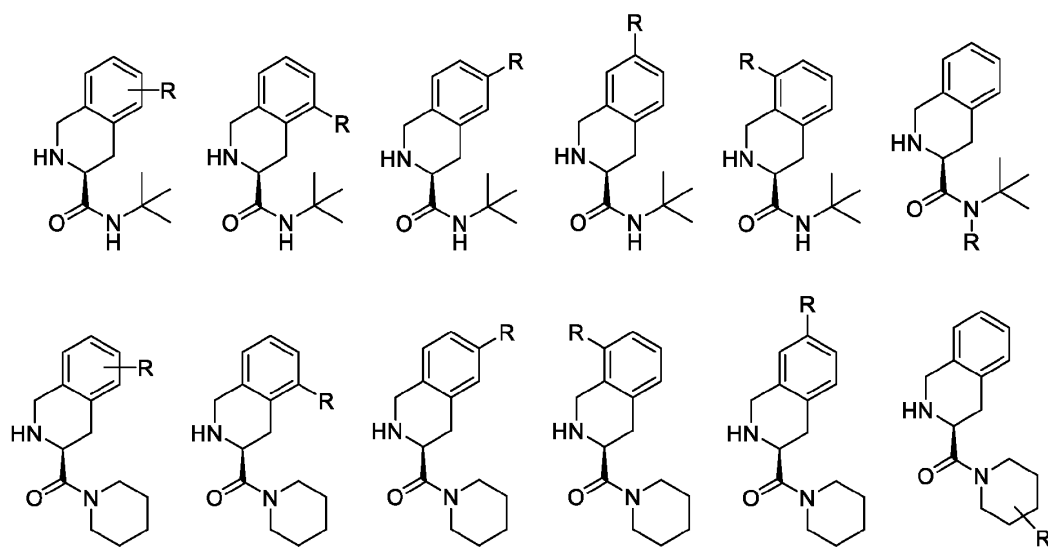


FIG. 4B

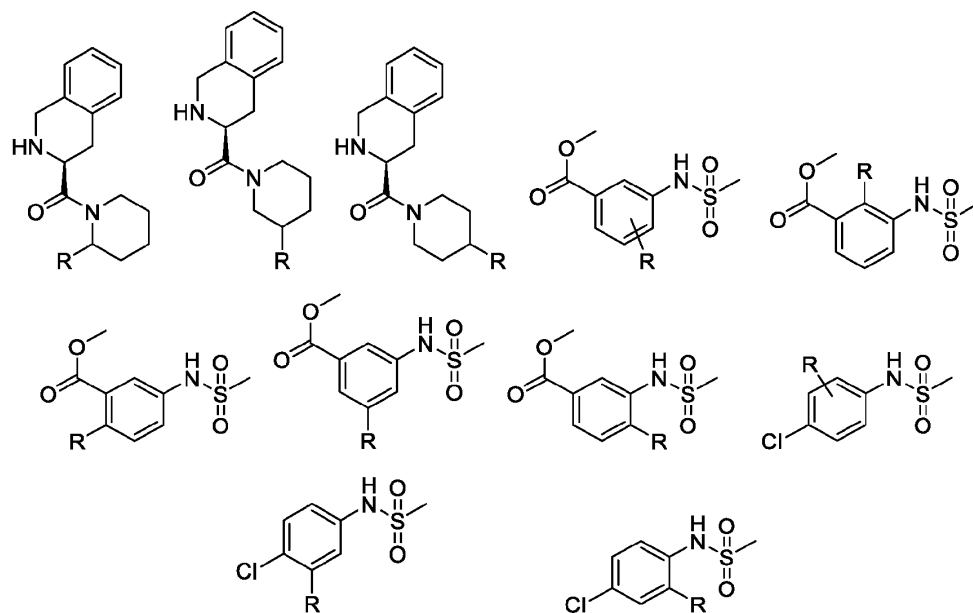


FIG. 4C

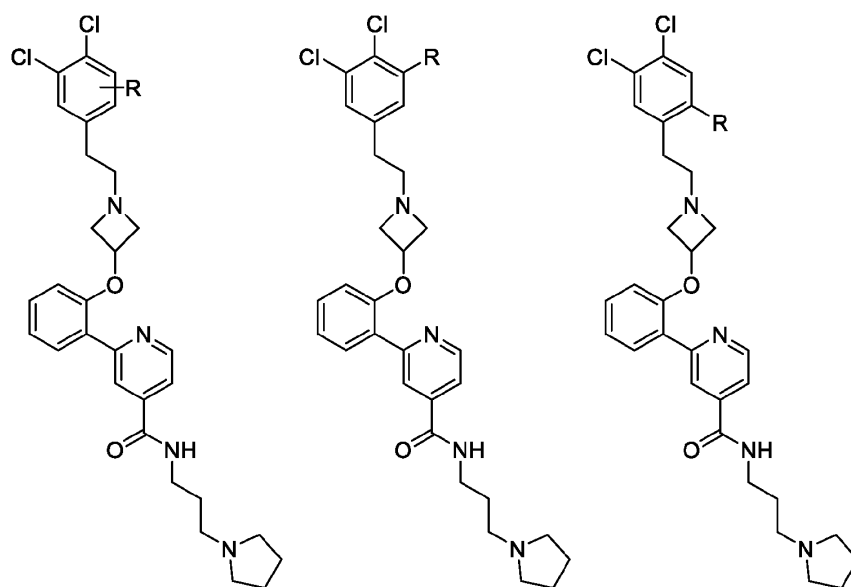


FIG. 4D

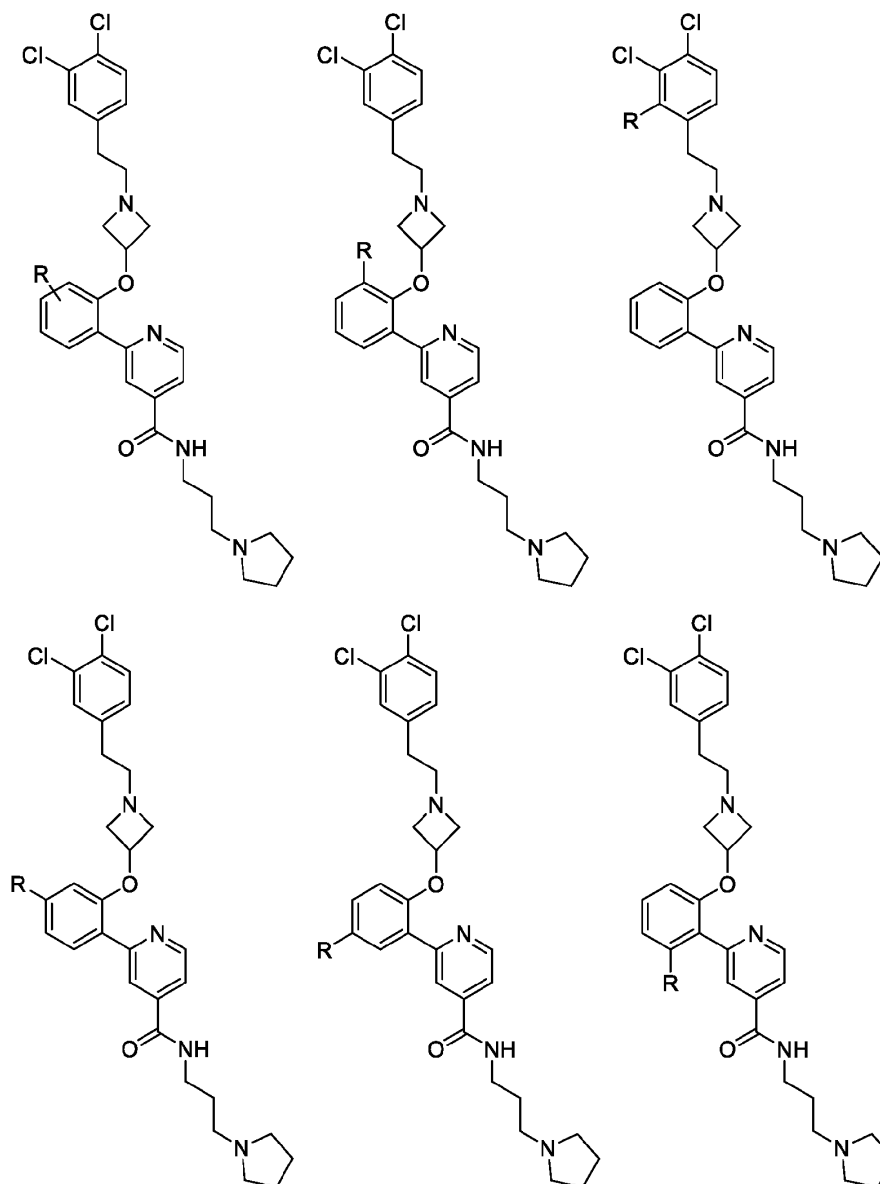




FIG. 4E

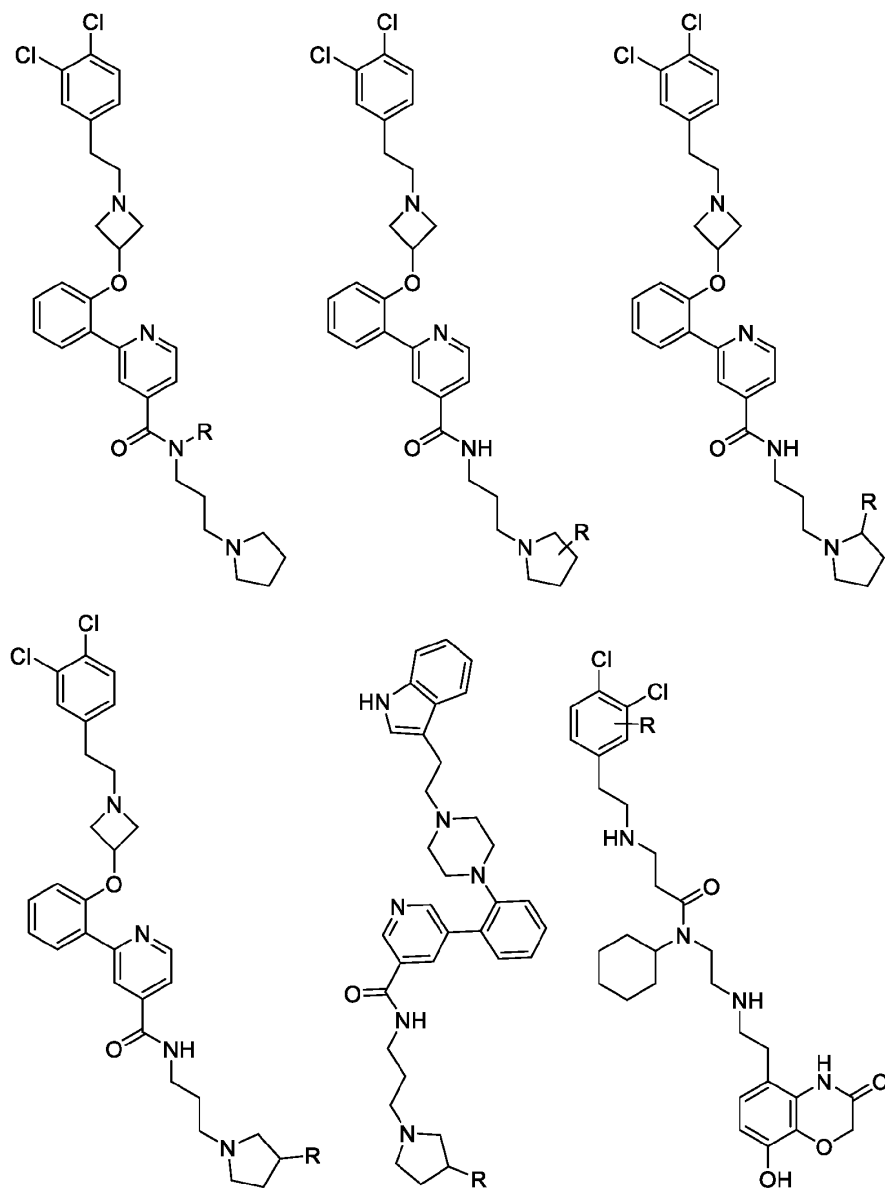


FIG. 4F

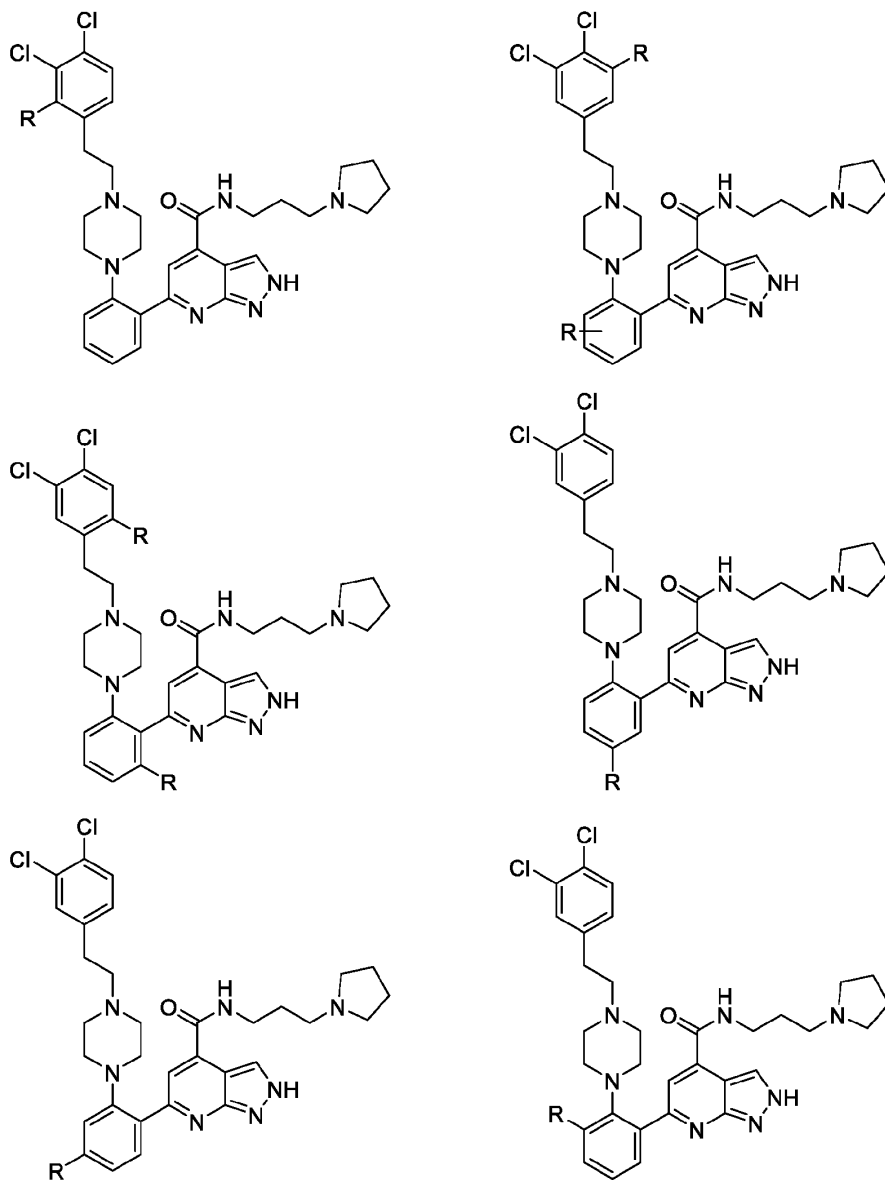


FIG. 4G

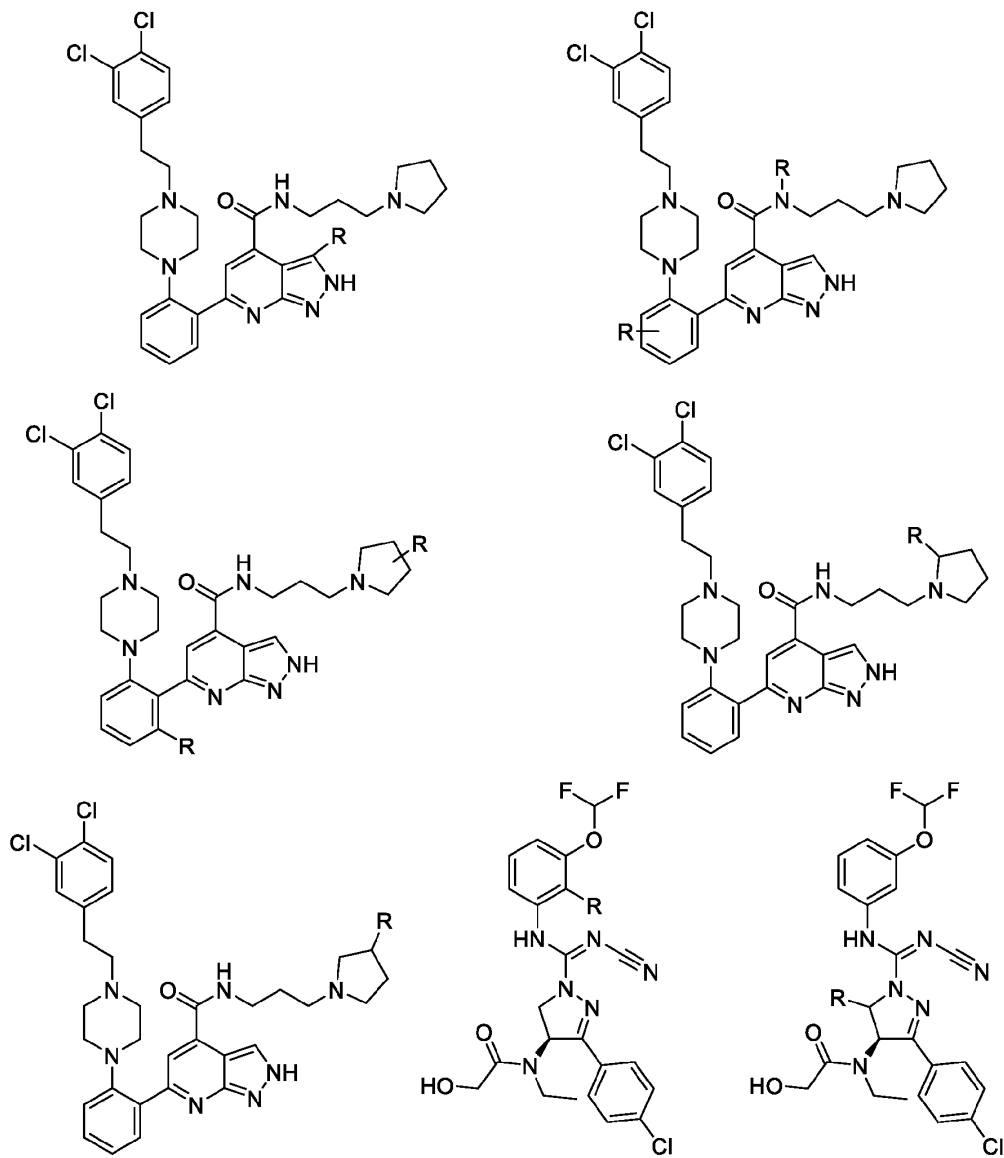


FIG. 4H

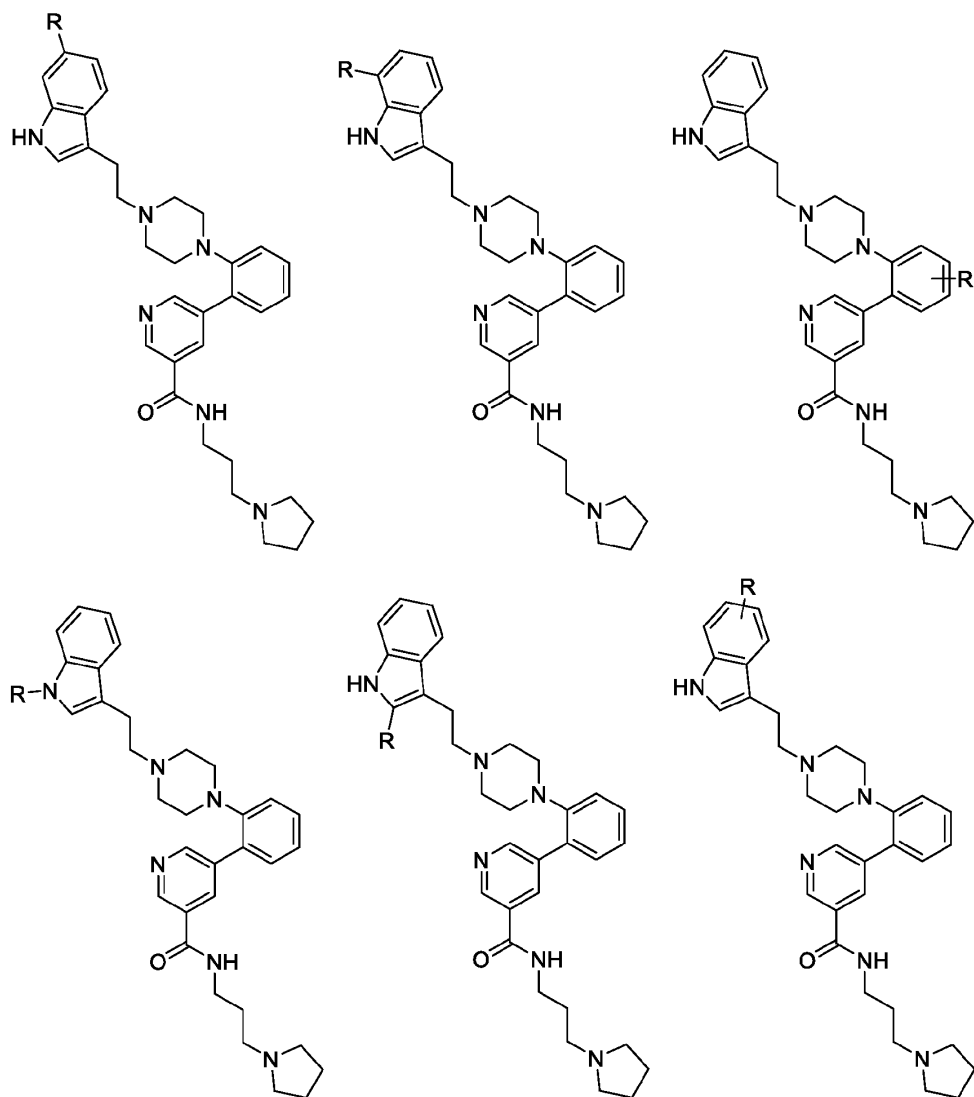


FIG. 4I

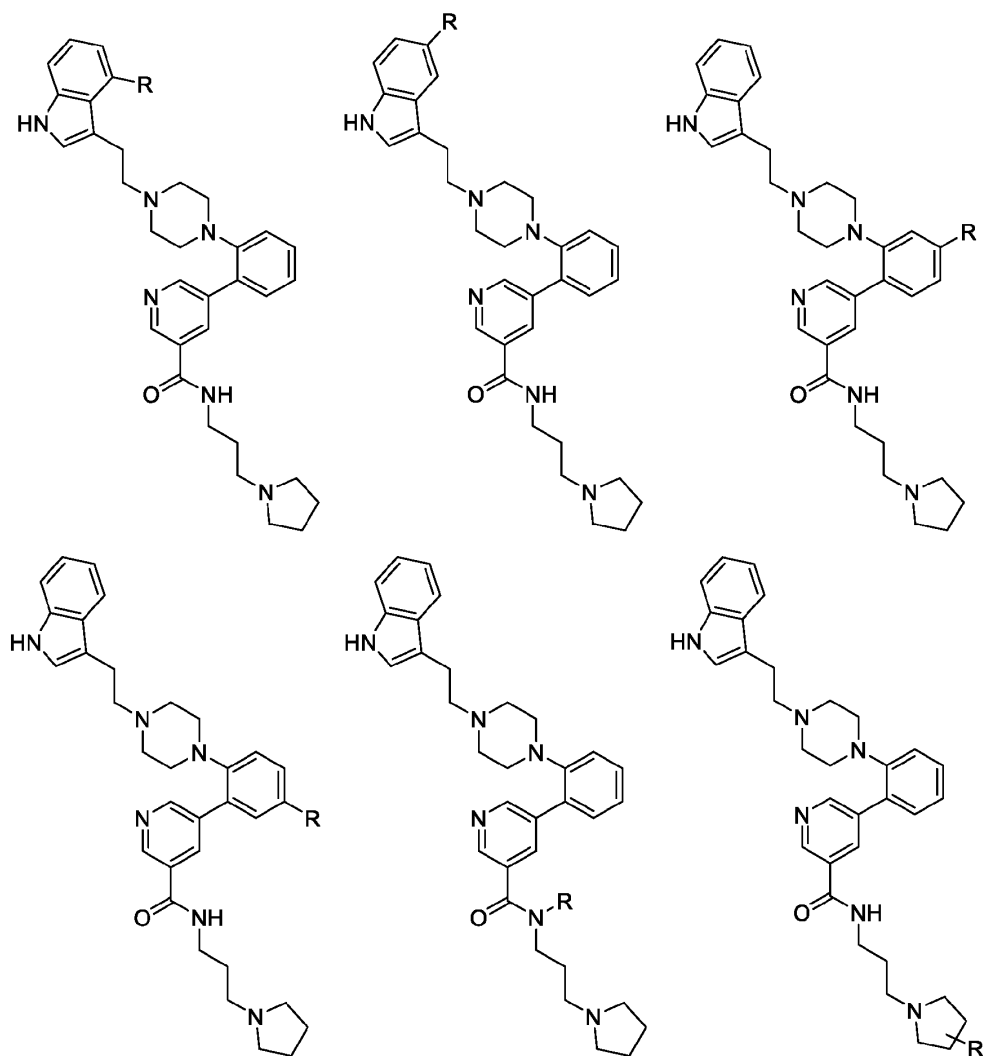


FIG. 4J

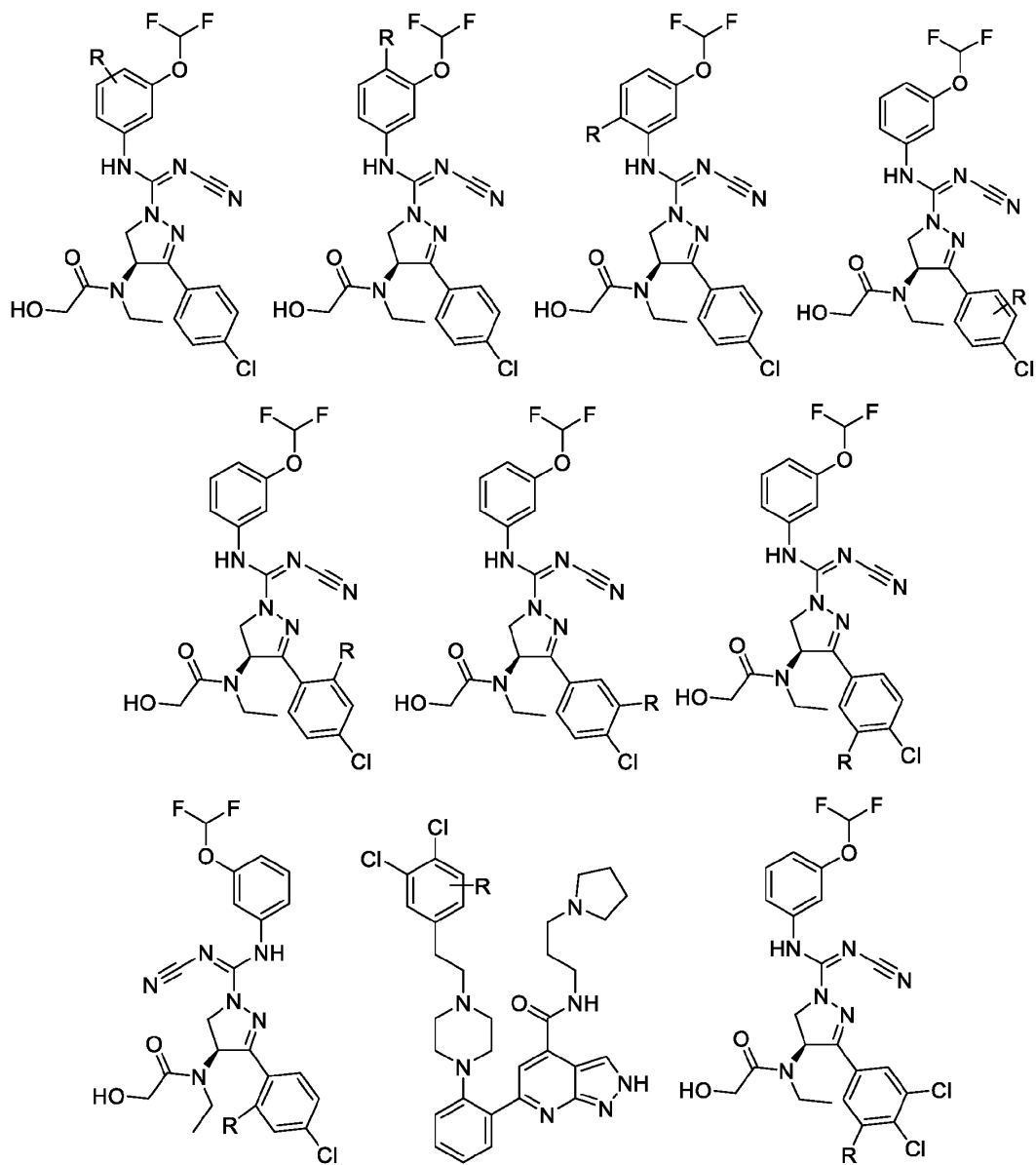


FIG. 4K

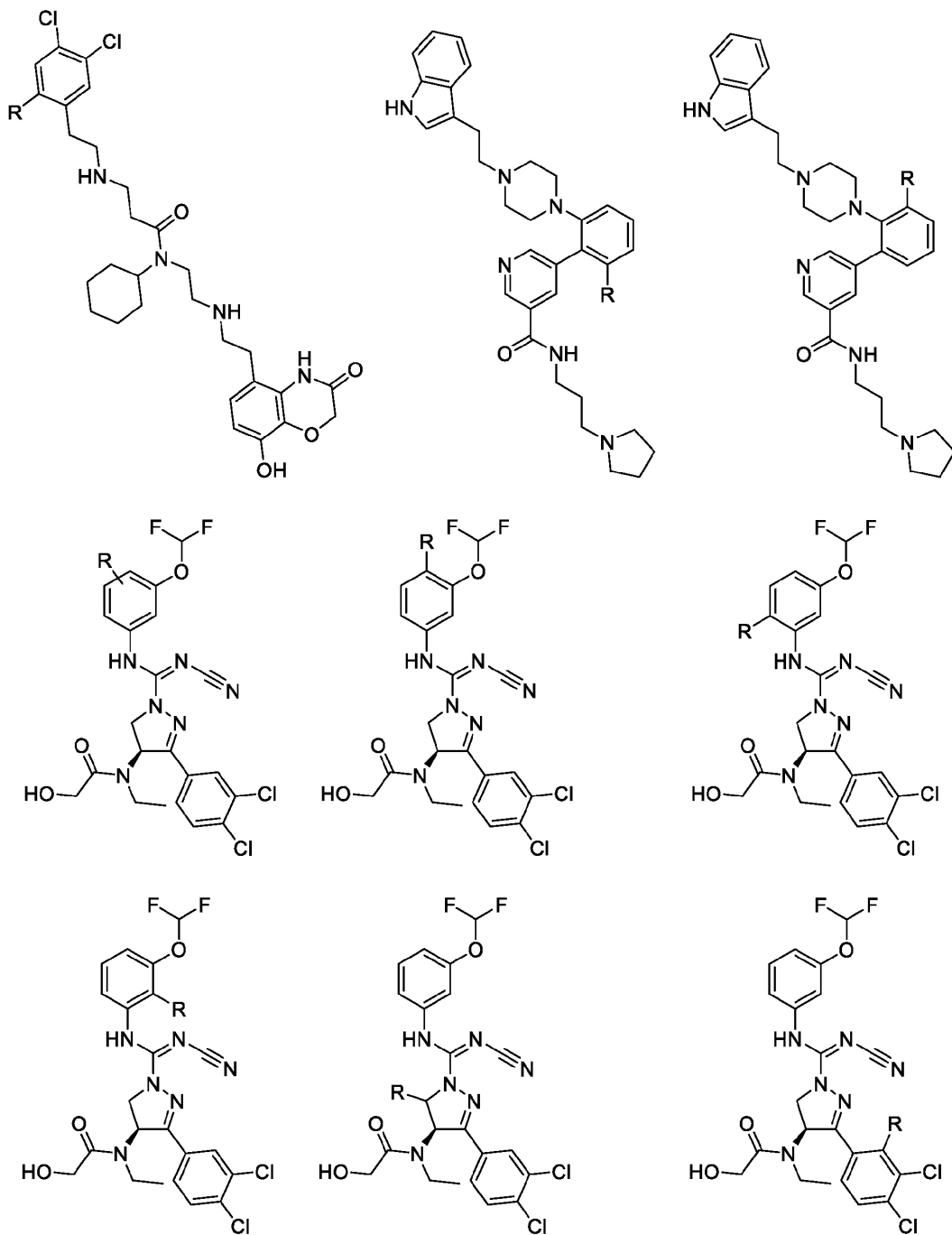


FIG. 4L

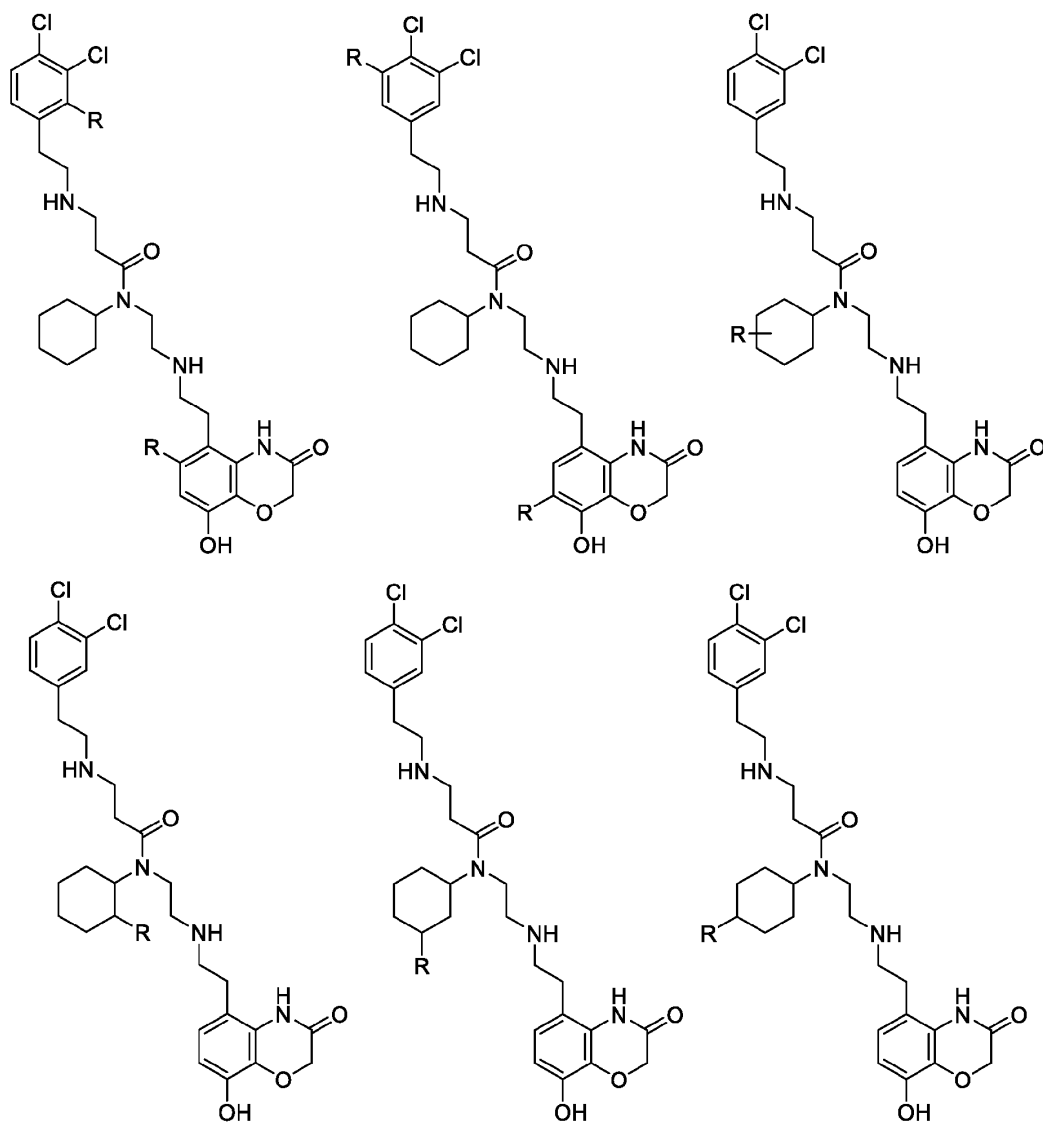




FIG. 4M

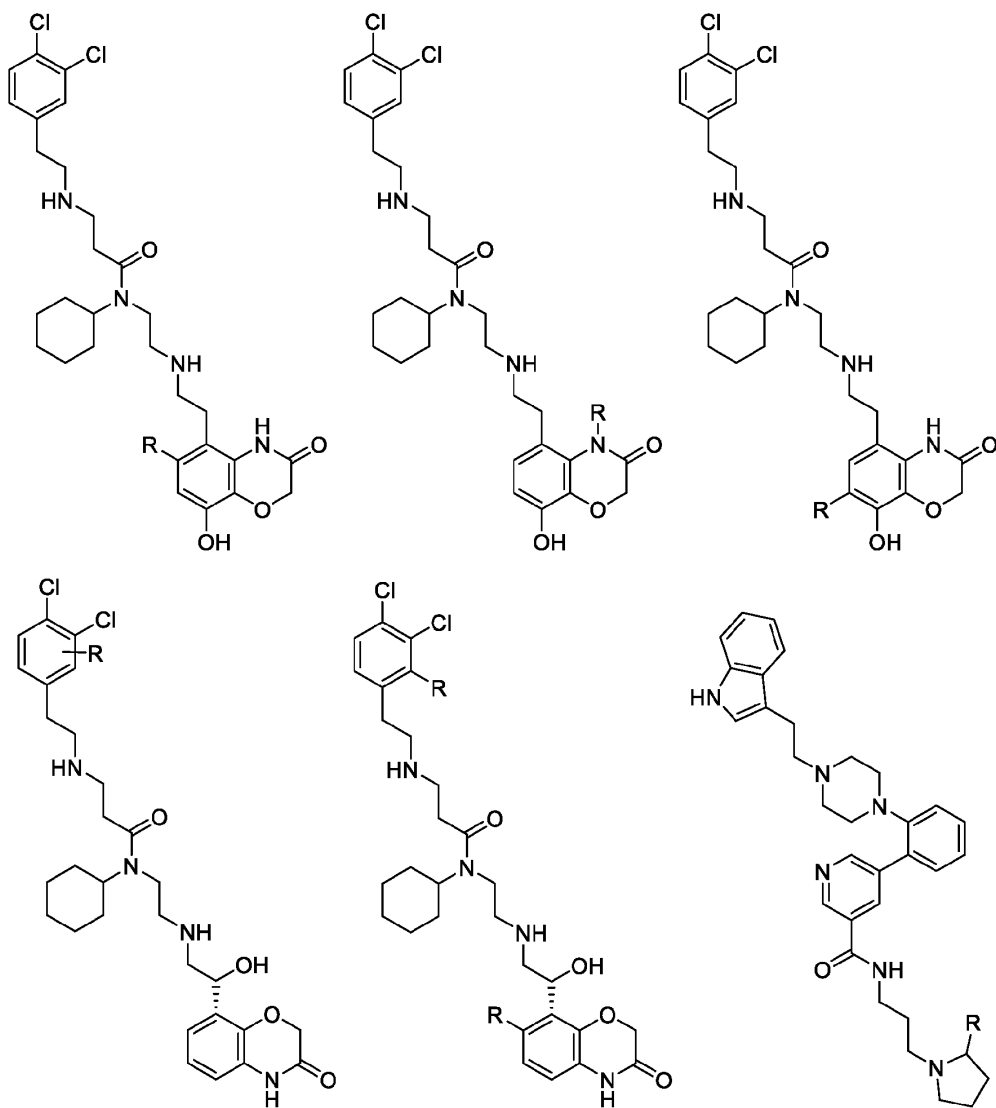


FIG. 4N

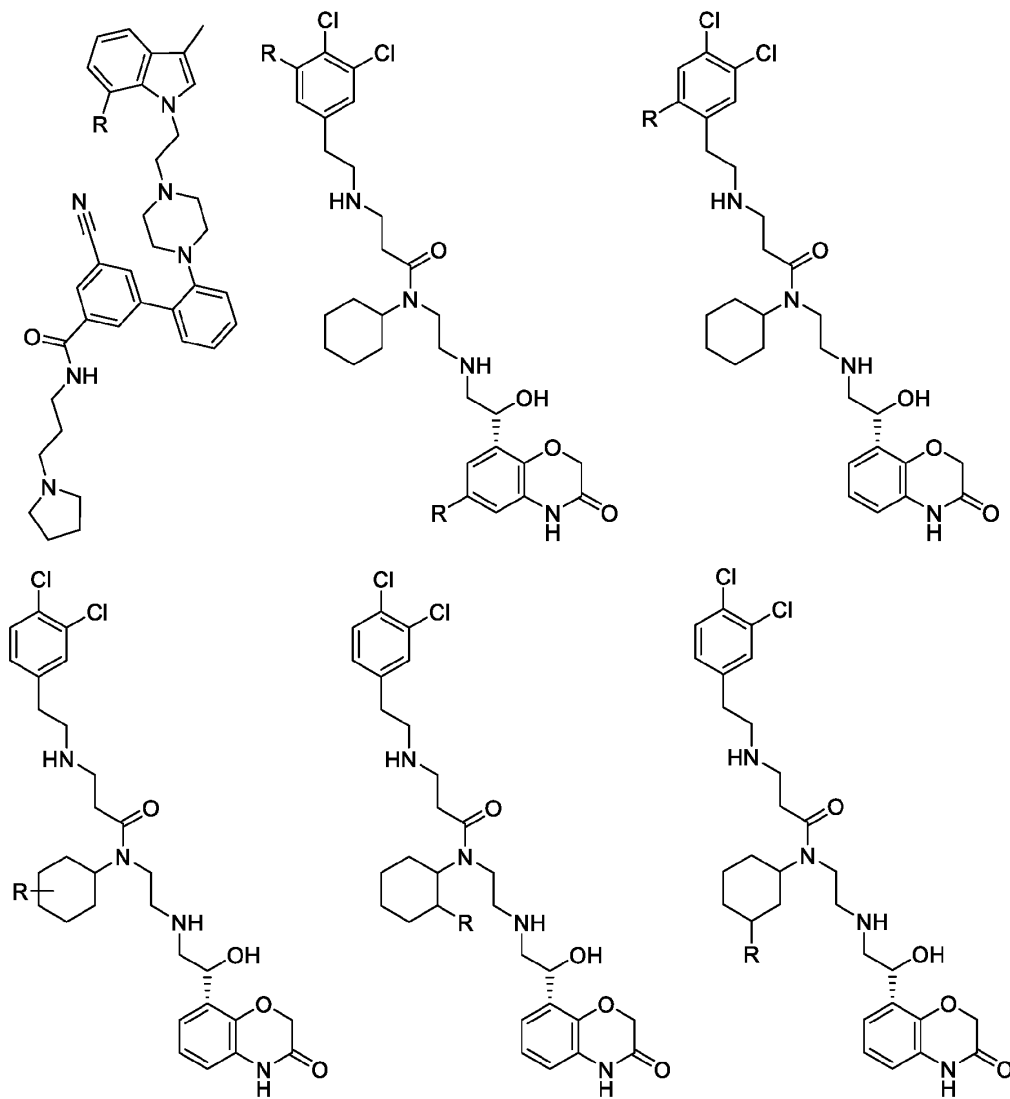


FIG. 40

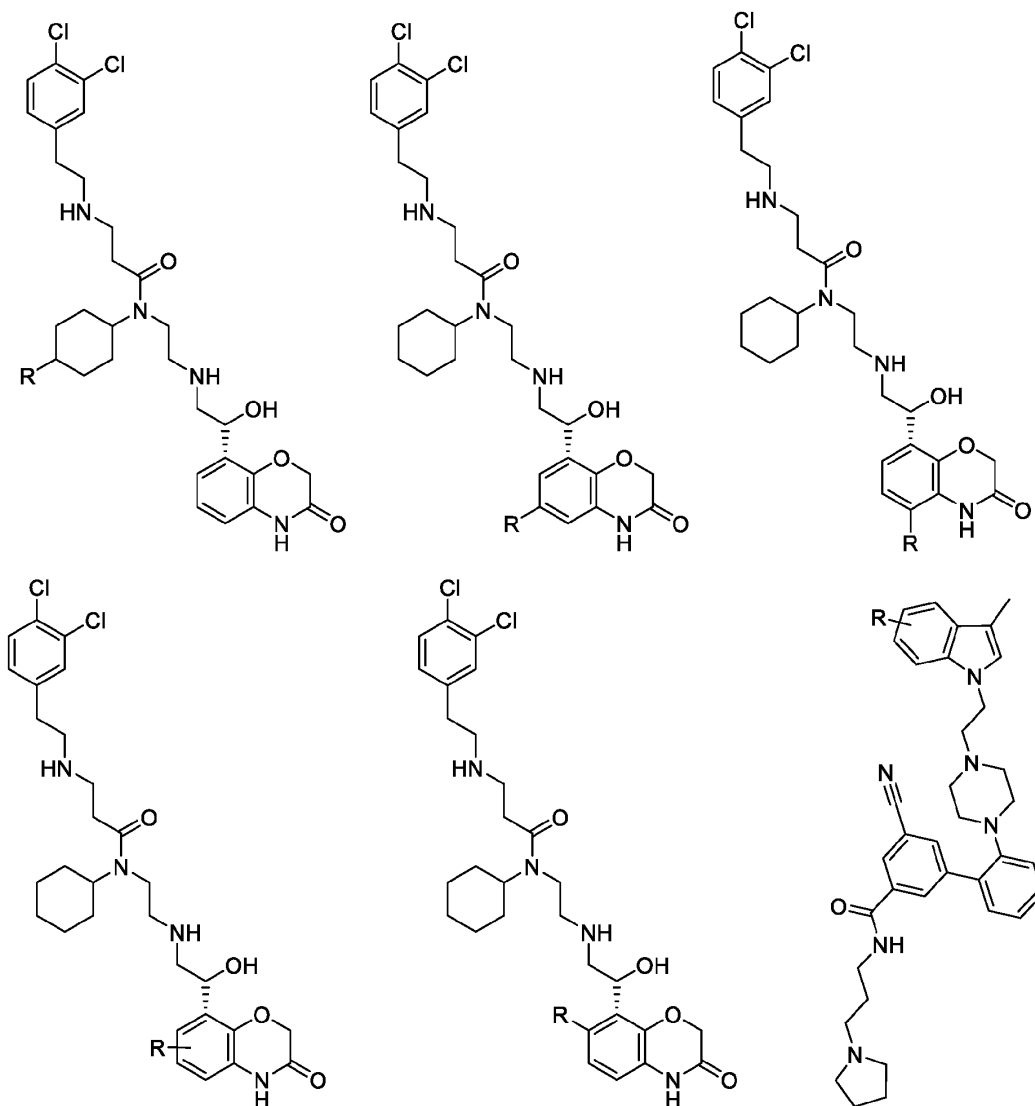


FIG. 4P

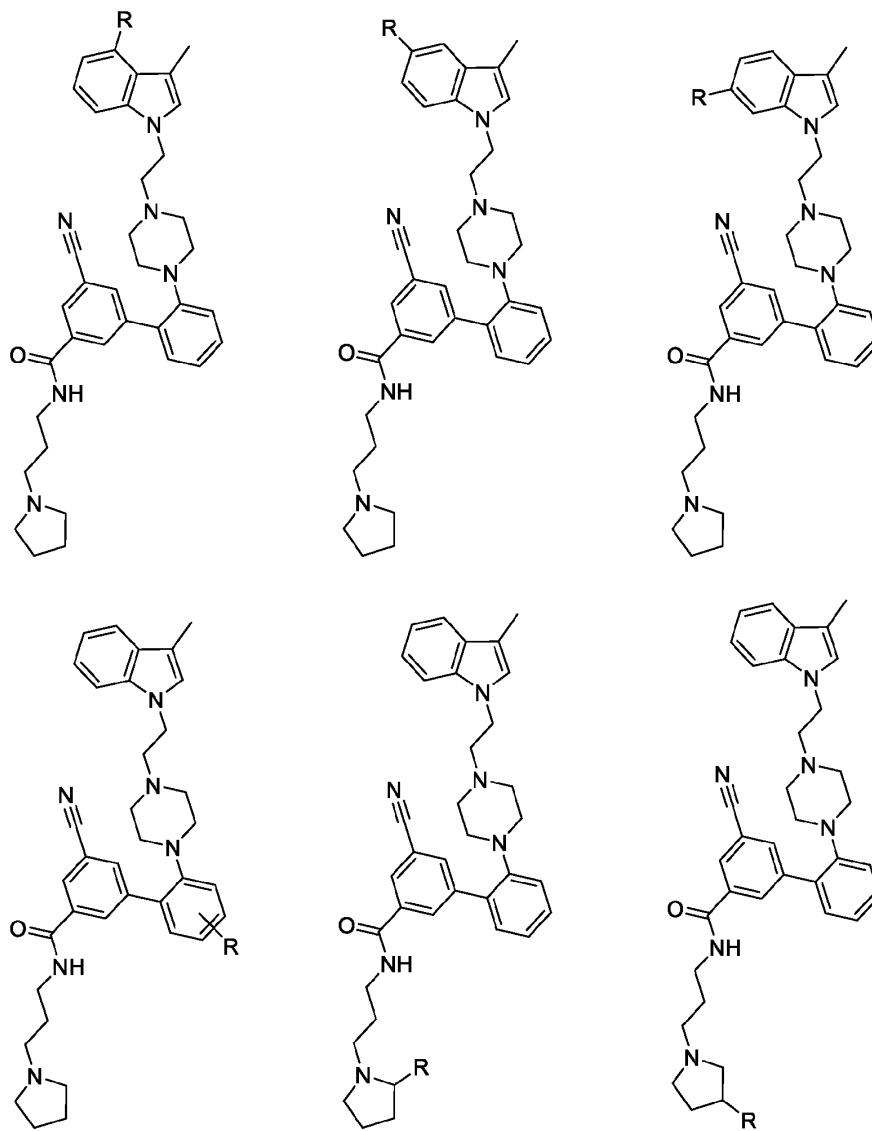


FIG. 4Q

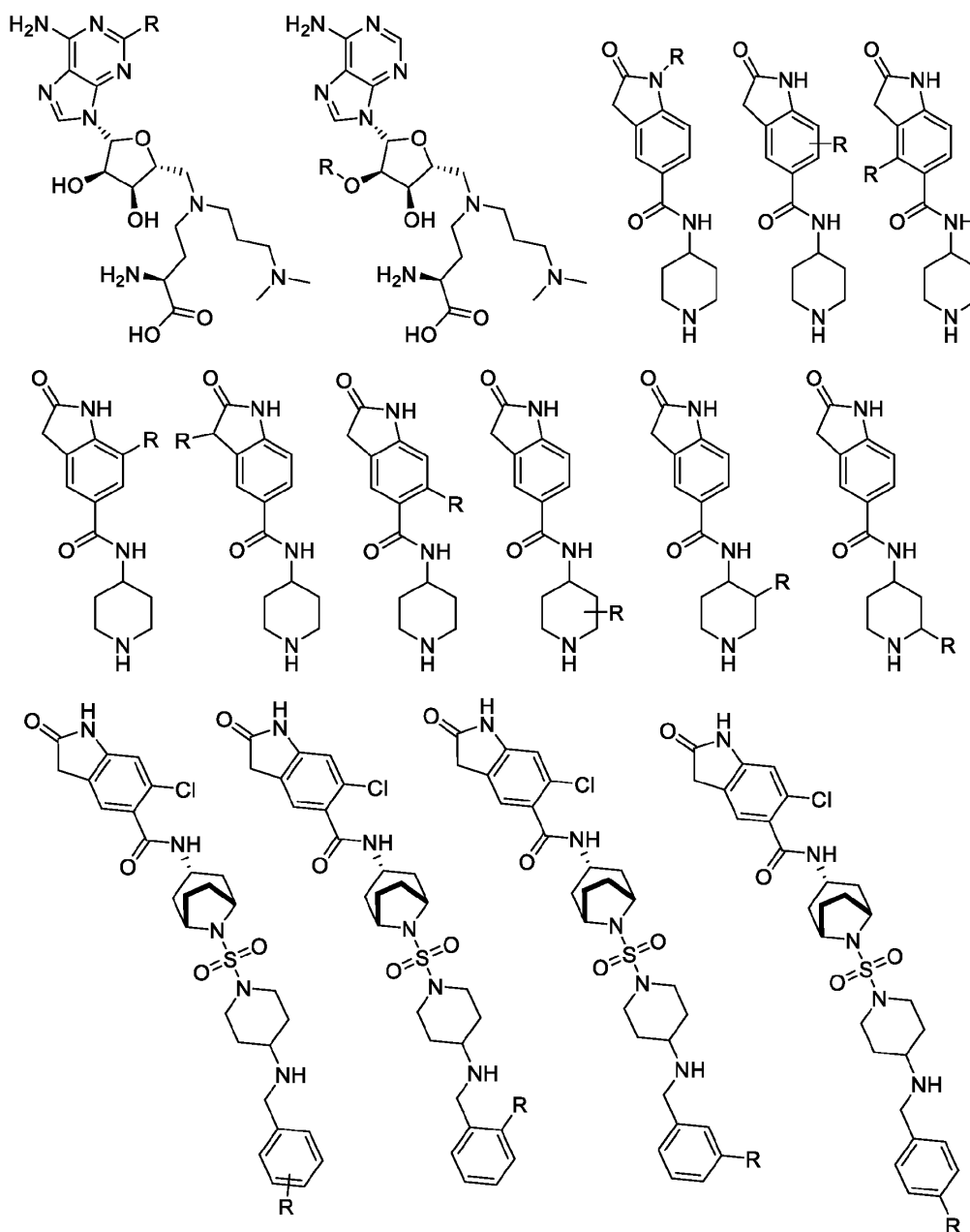


FIG. 4R

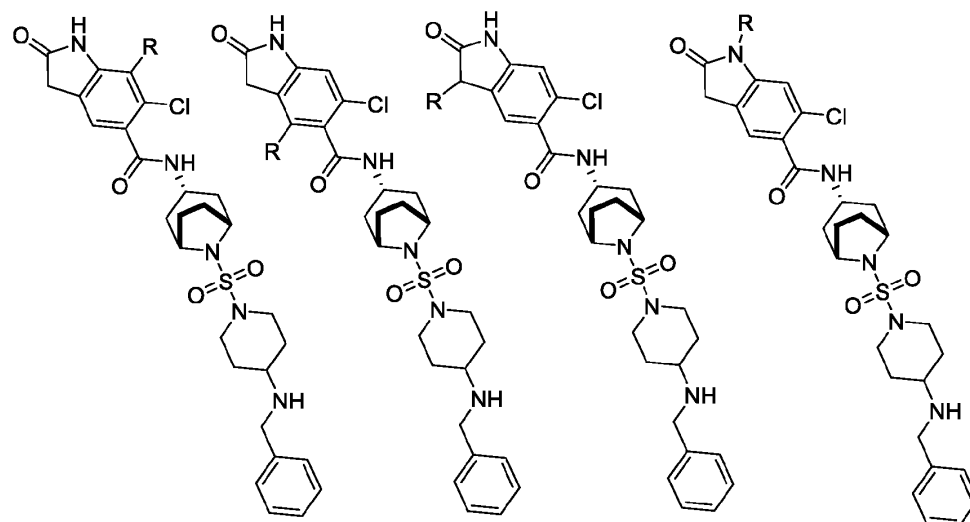


FIG. 4S

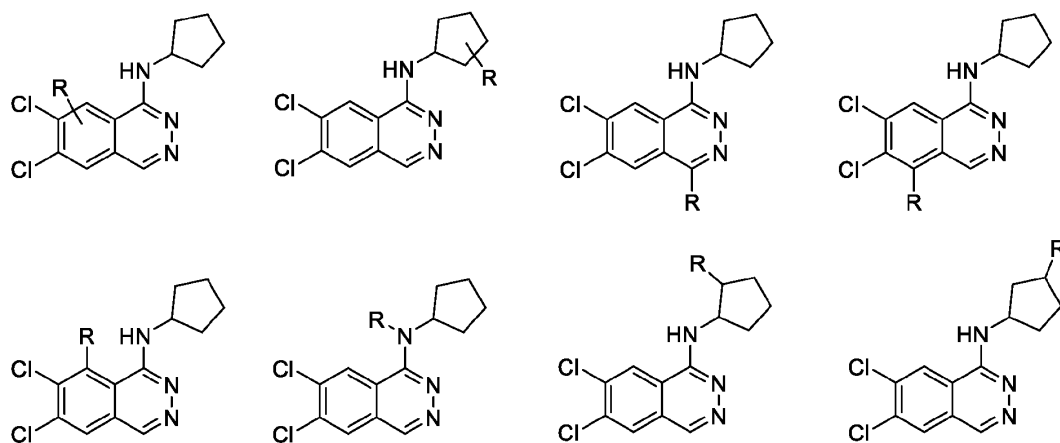


FIG. 4T

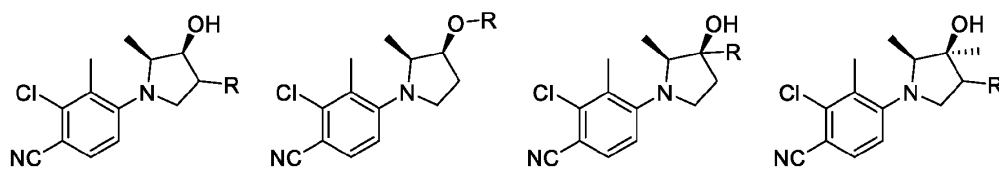


FIG. 4U

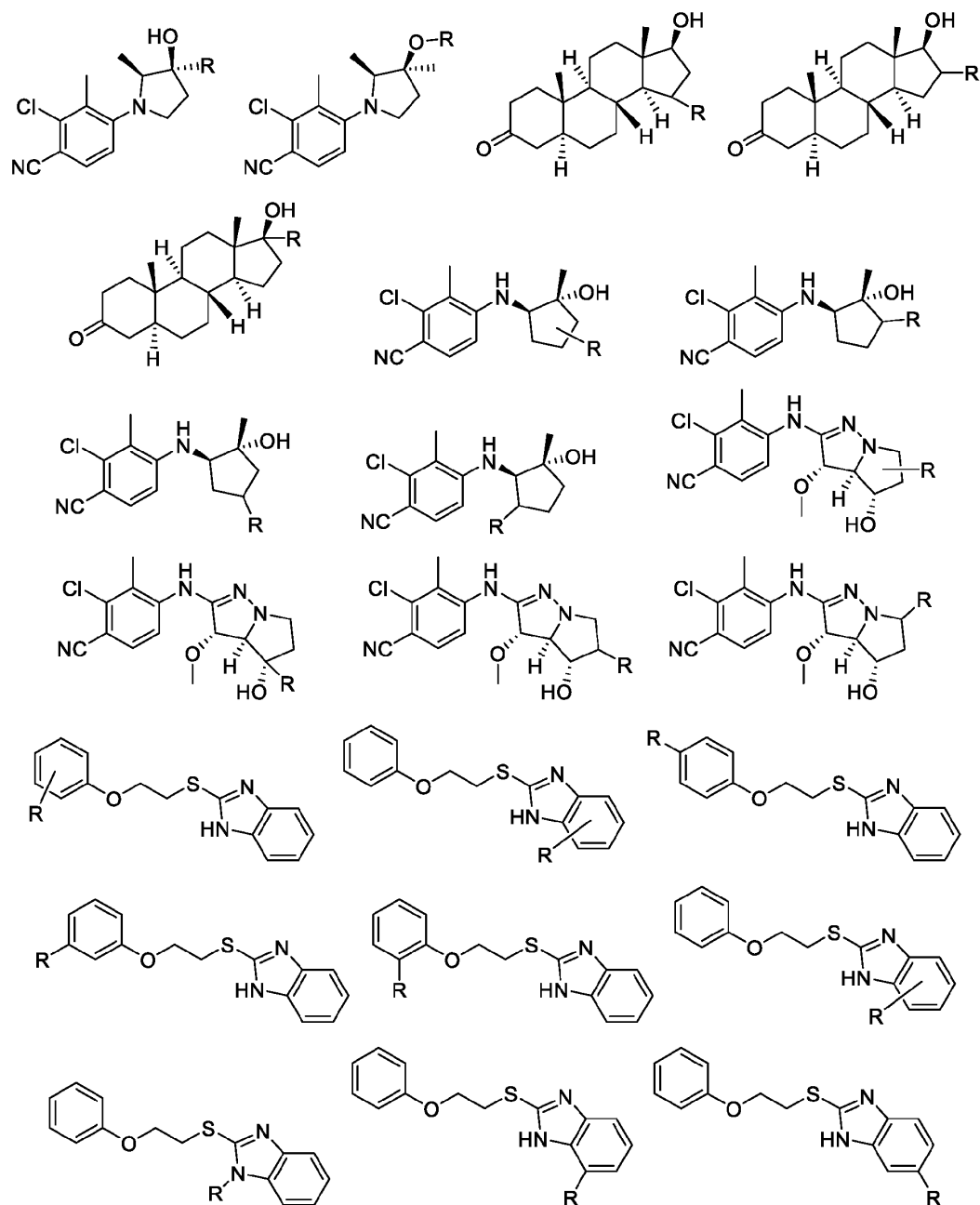


FIG. 4V

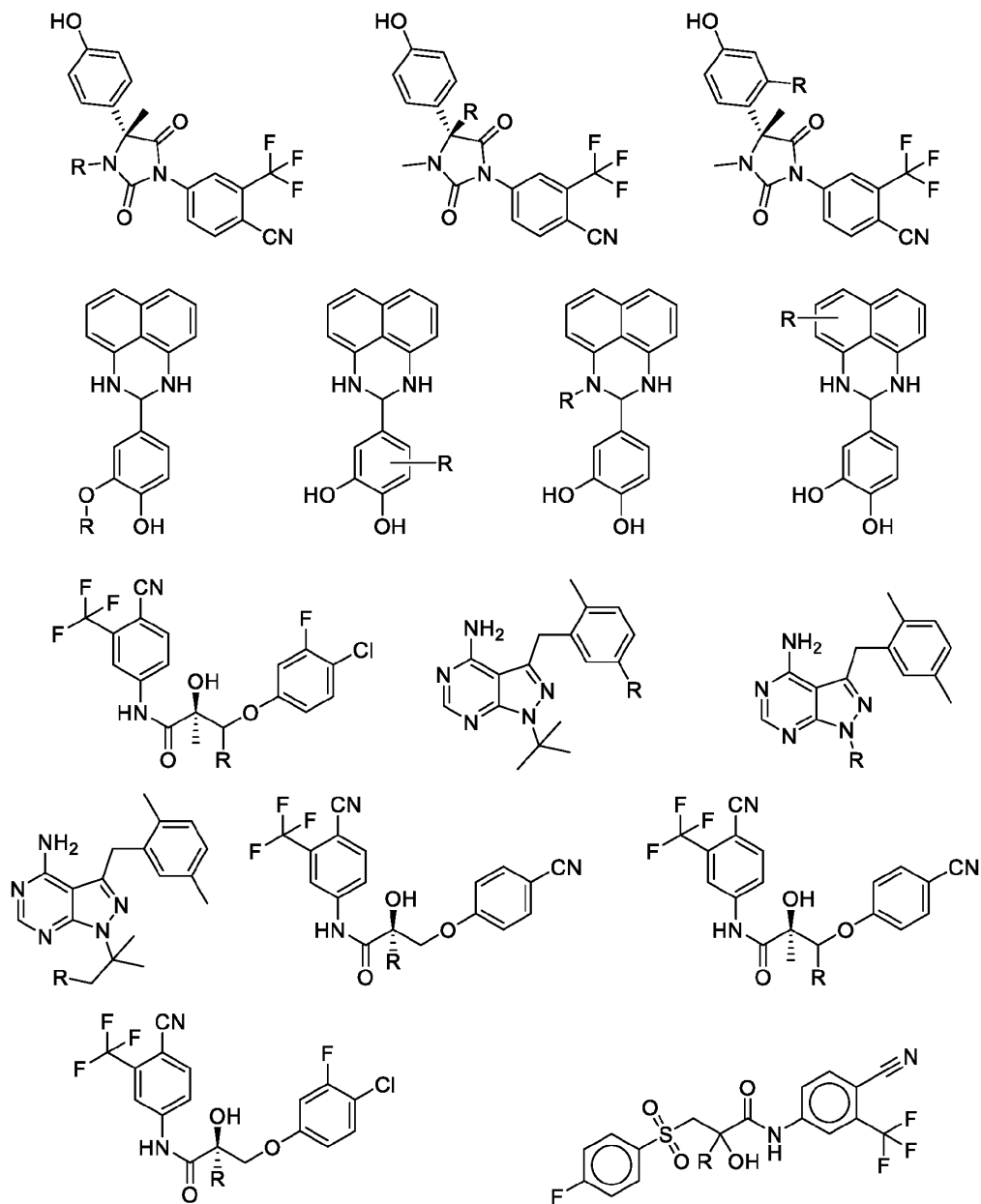




FIG. 4W

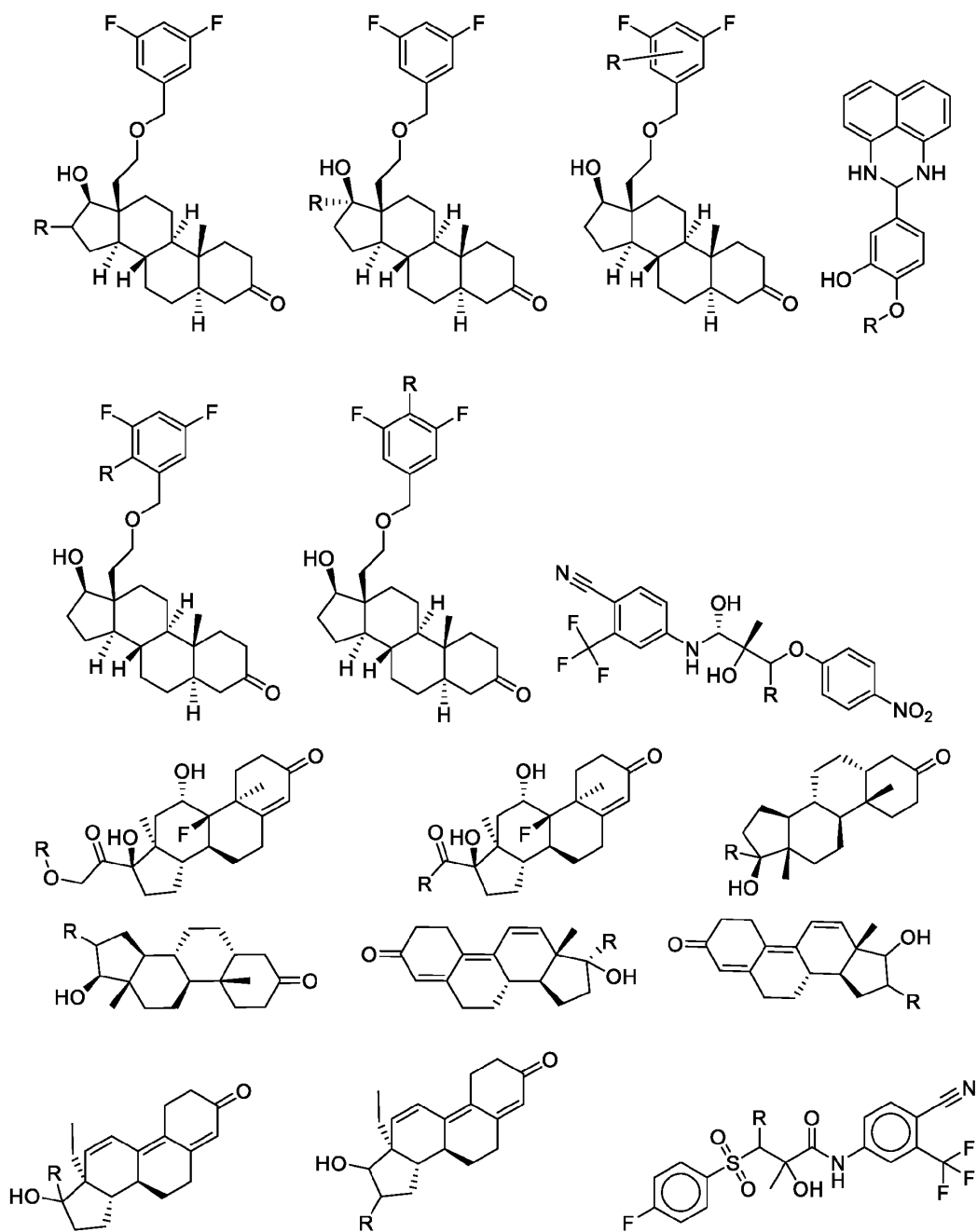


FIG. 4X

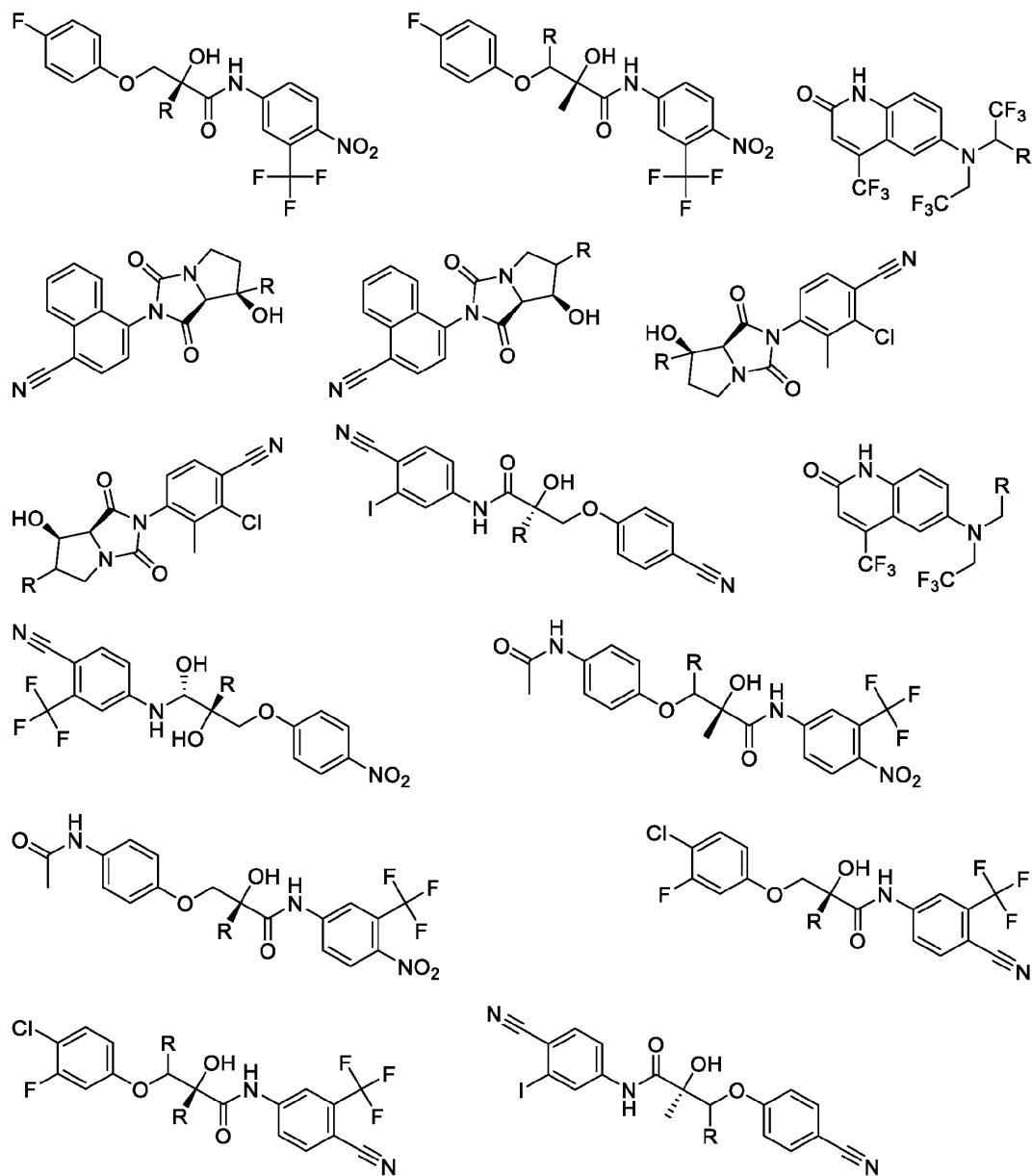


FIG. 4Y

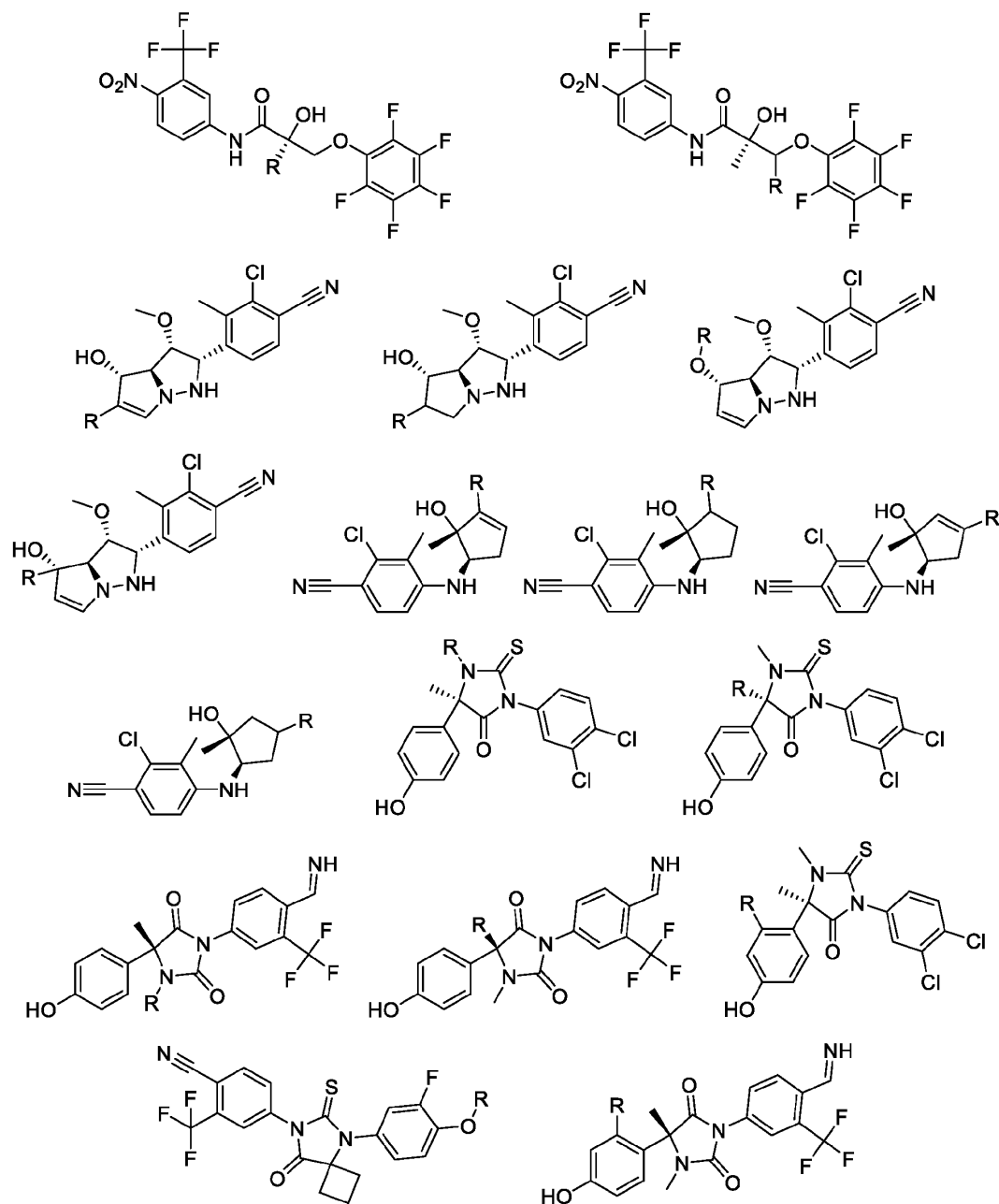


FIG. 4Z

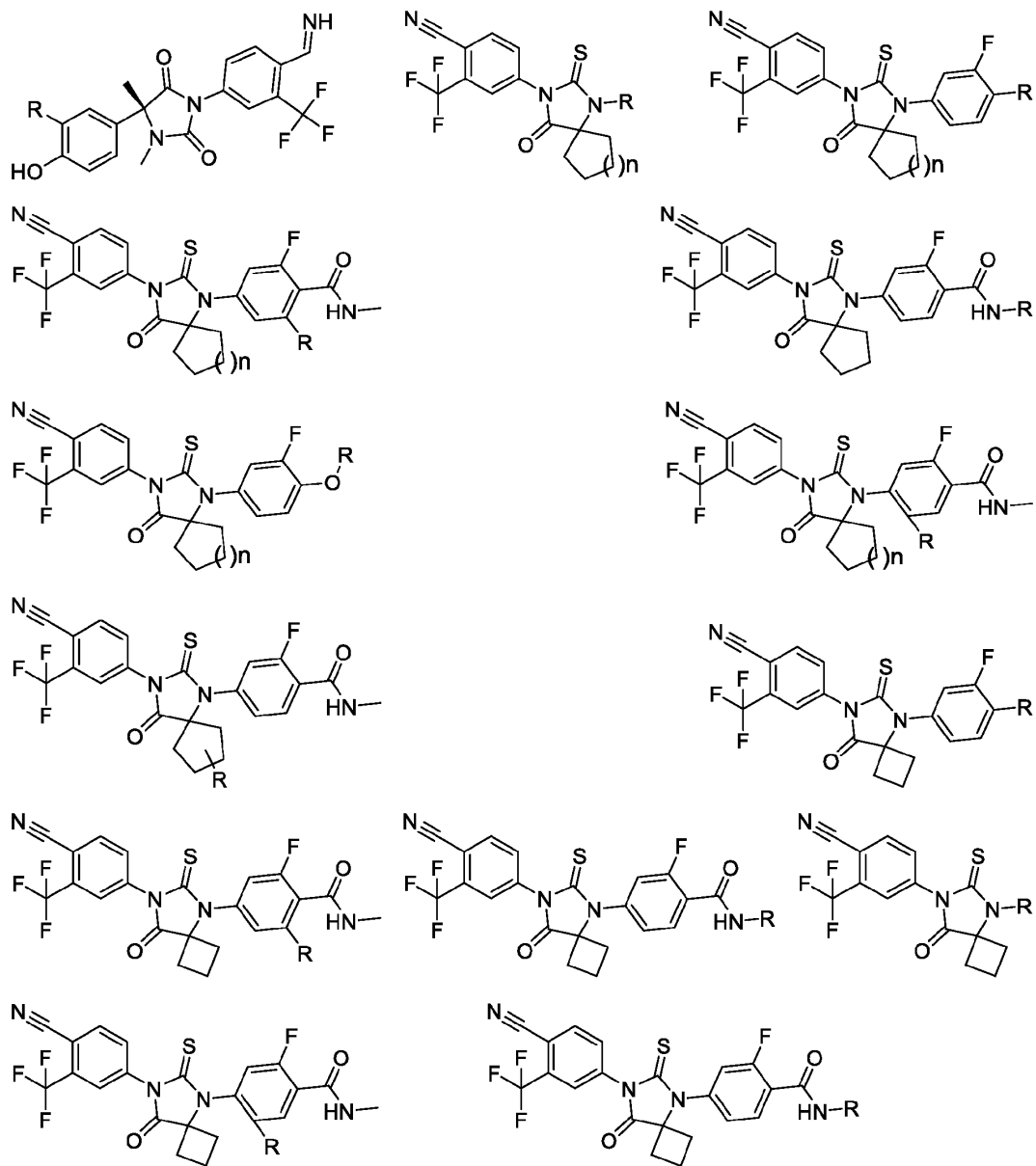


FIG. 4AA

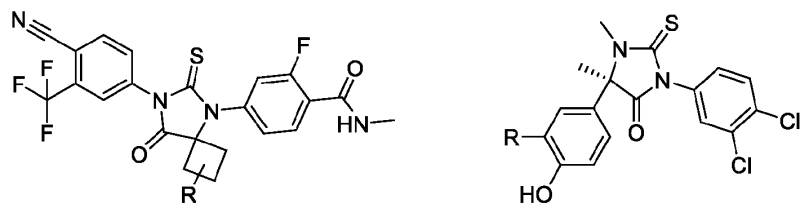


FIG. 4BB

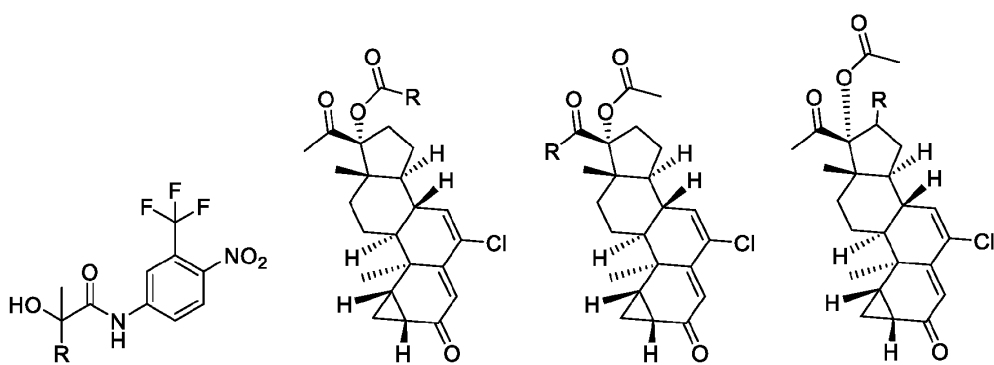


FIG. 4CC



FIG. 4DD

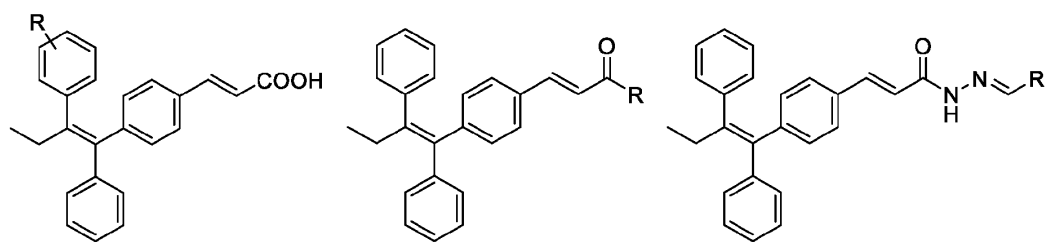


FIG. 4EE

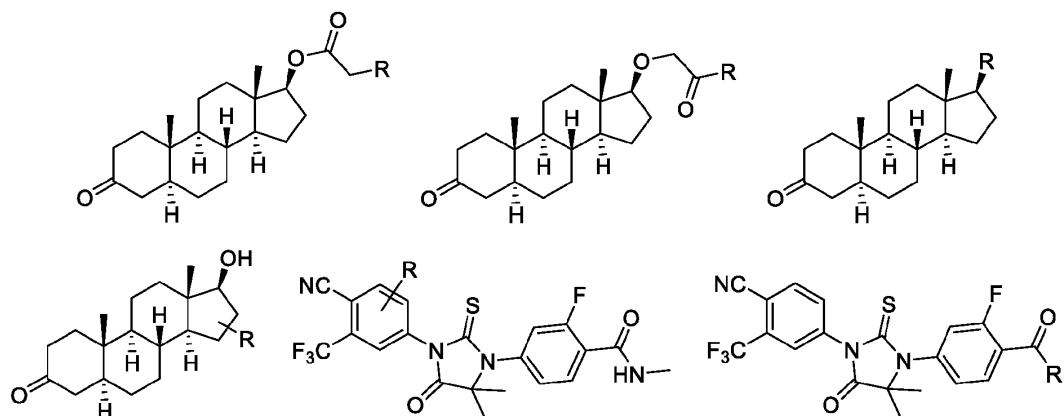


FIG. 5A

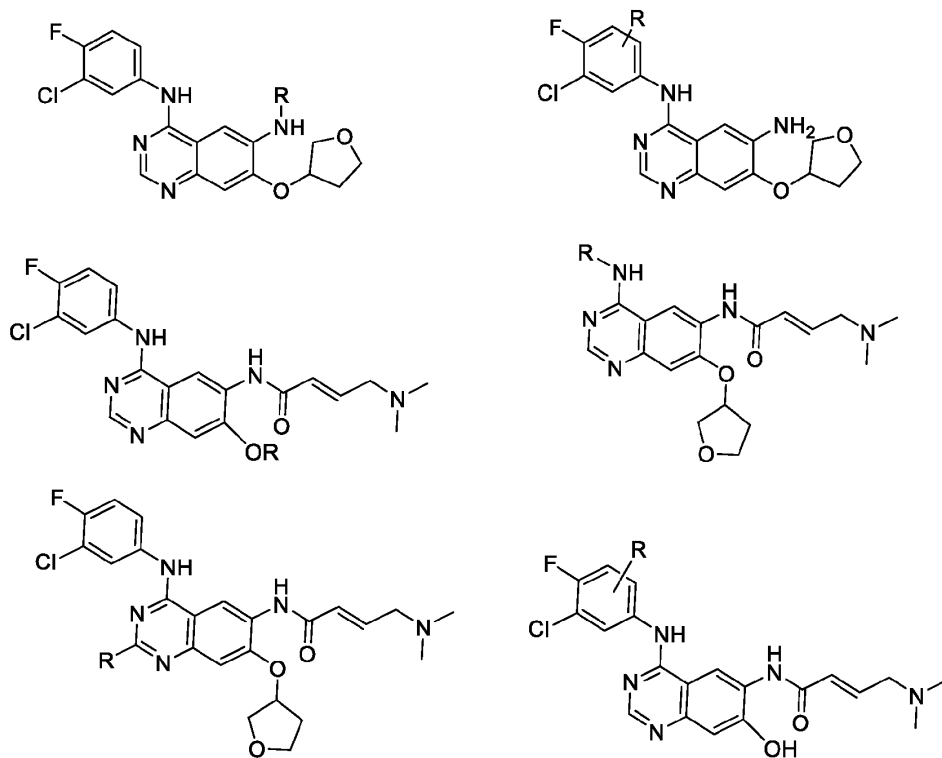


FIG. 5B

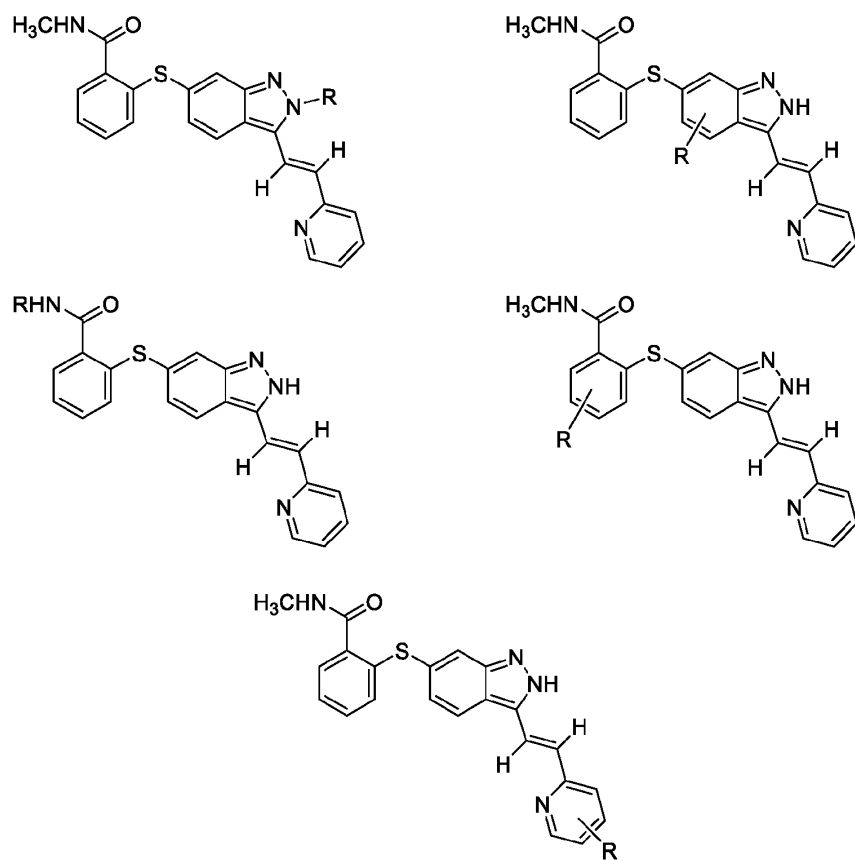


FIG. 5C

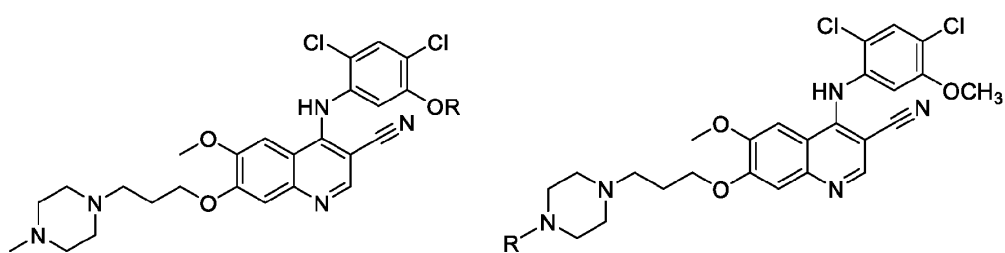


FIG. 5D

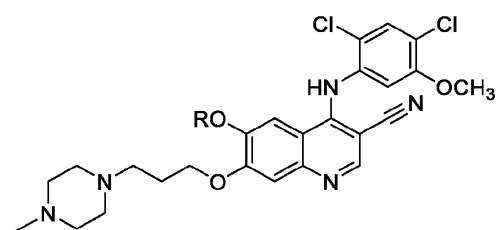


FIG. 5E

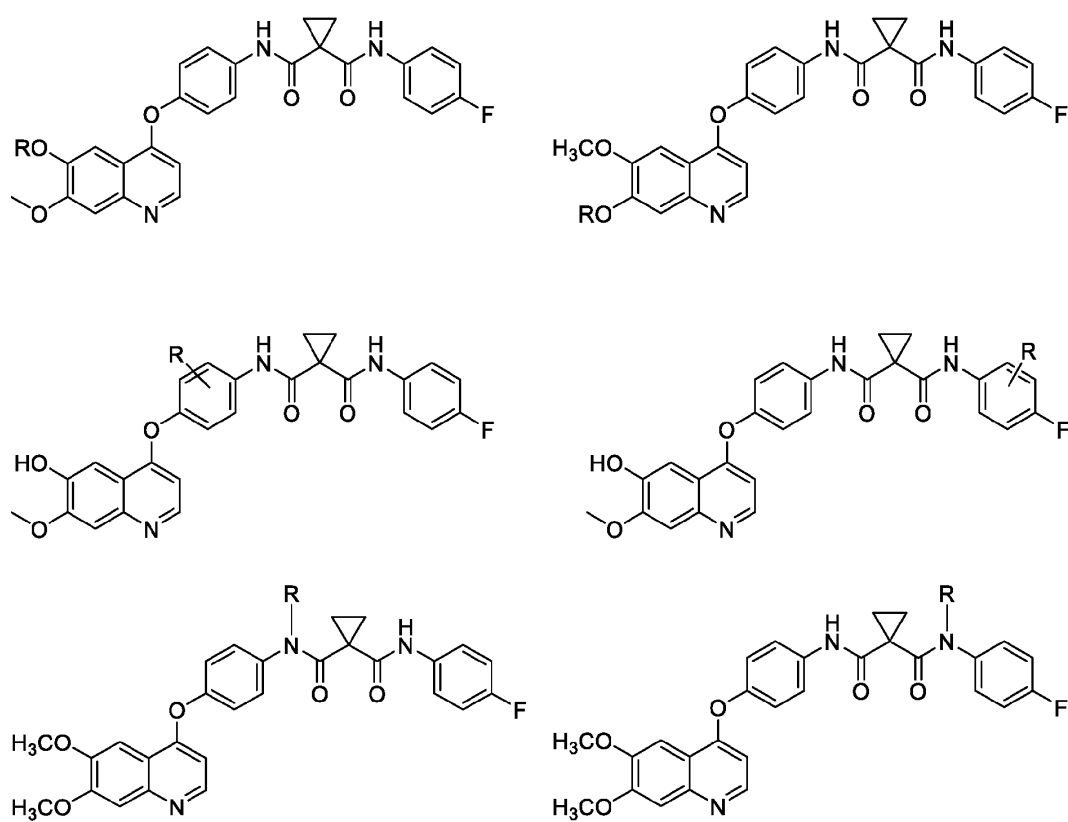




FIG. 5F

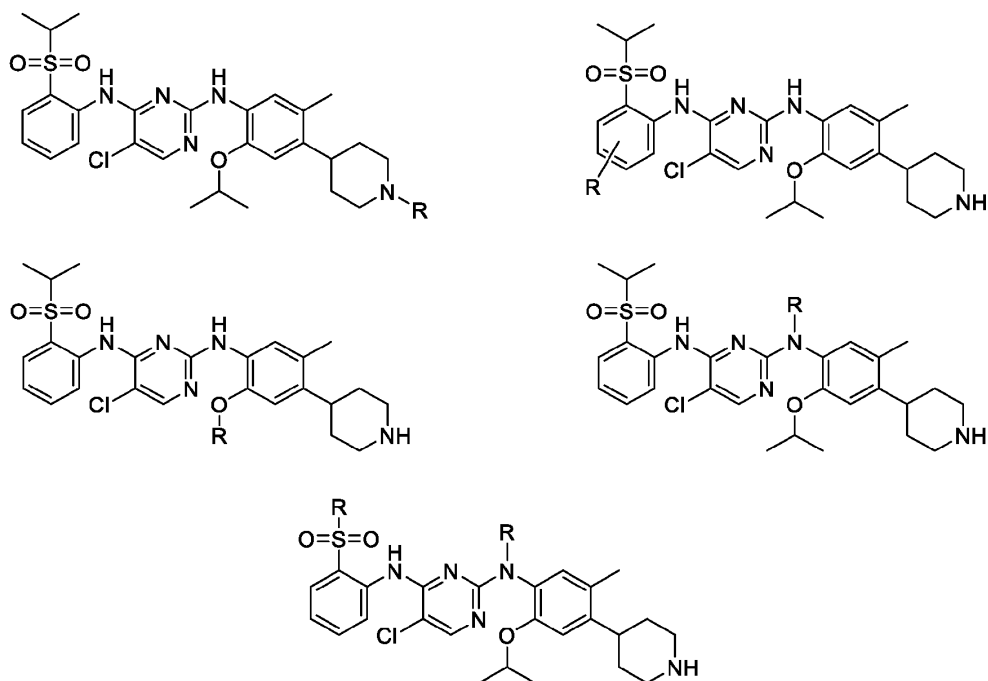


FIG. 5G

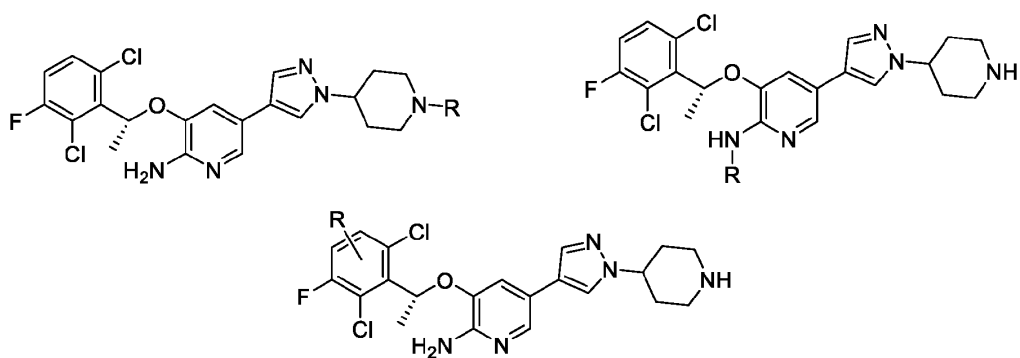


FIG. 5H

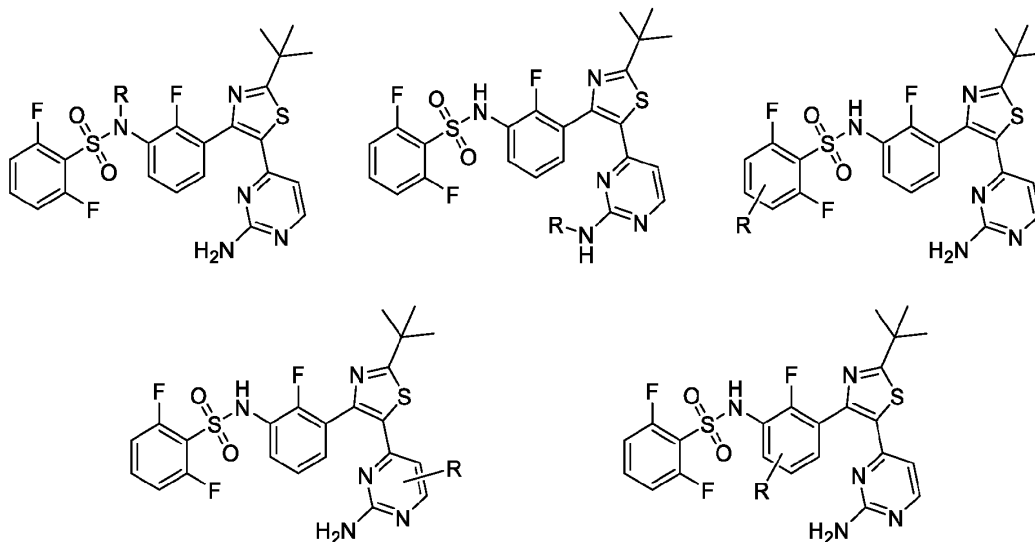


FIG. 5I

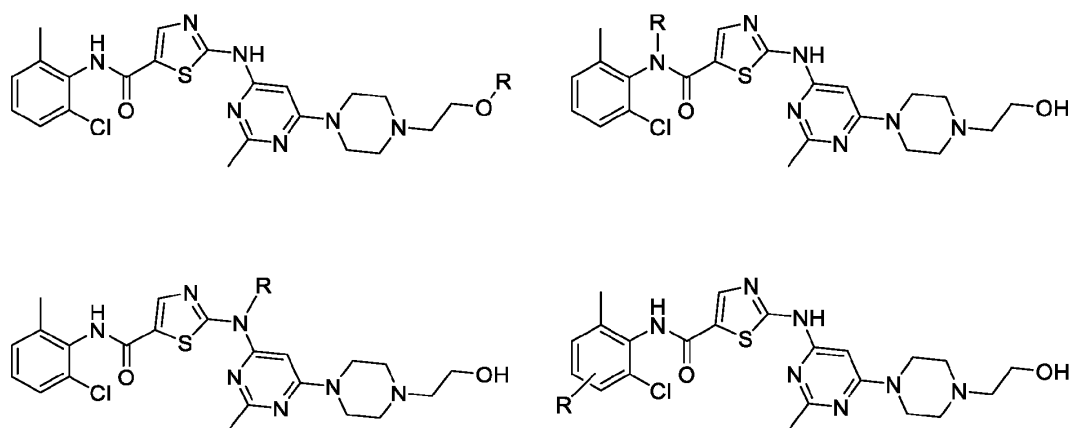


FIG. 5J

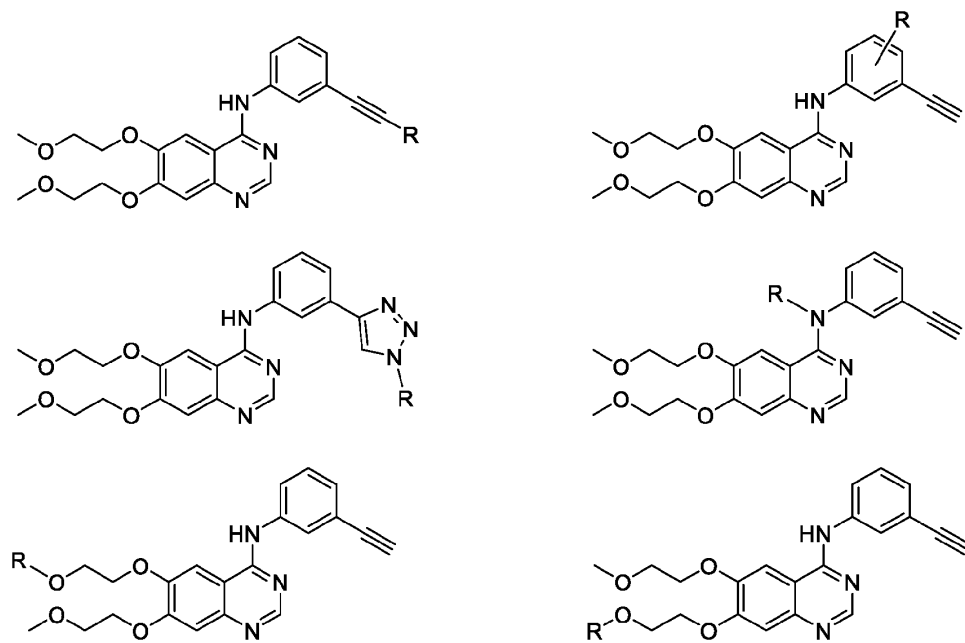


FIG. 5K

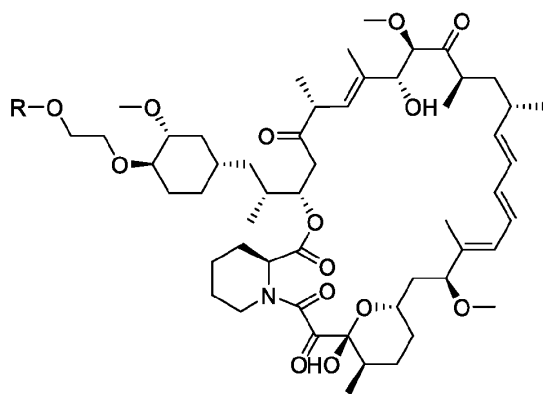


FIG. 5L

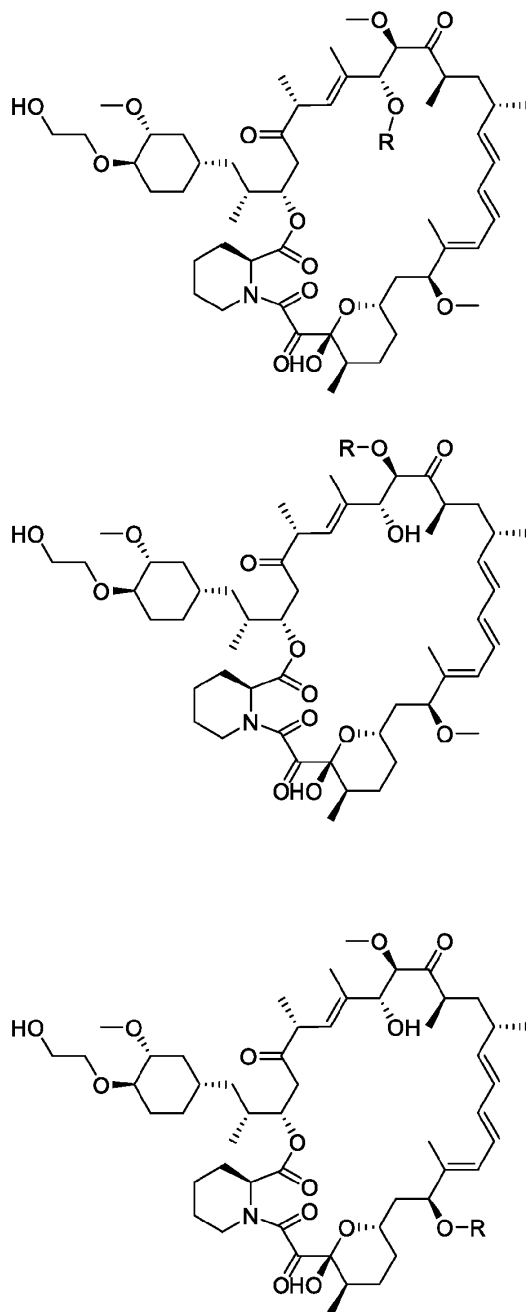


FIG. 5M

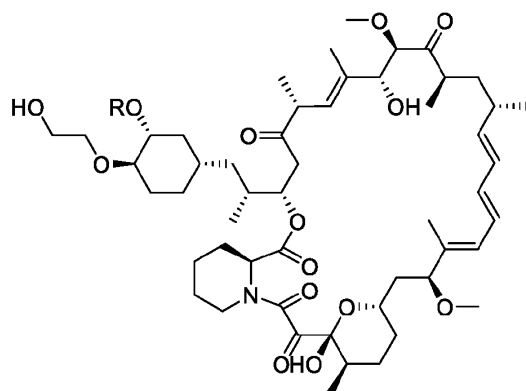
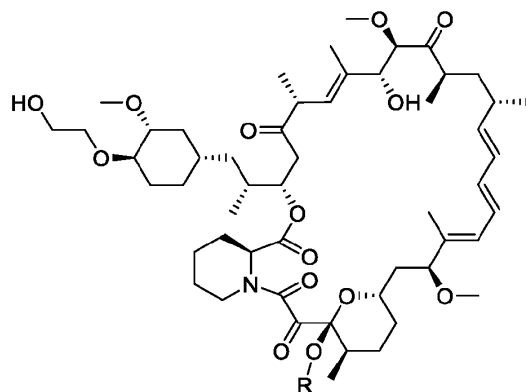


FIG. 5N

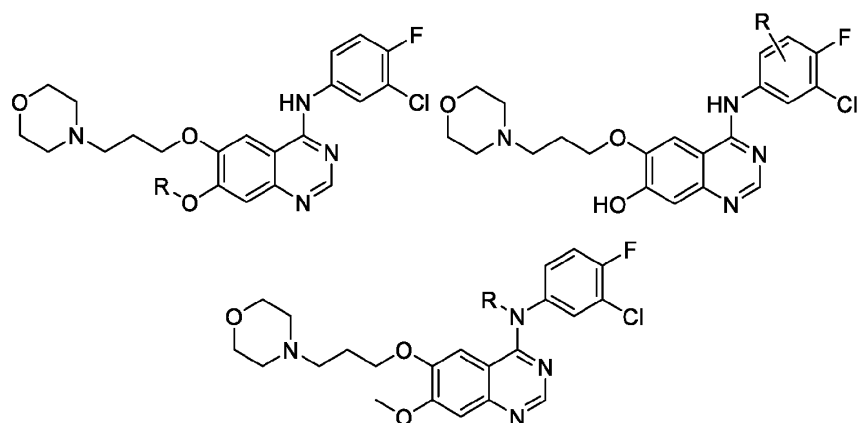


FIG. 5O

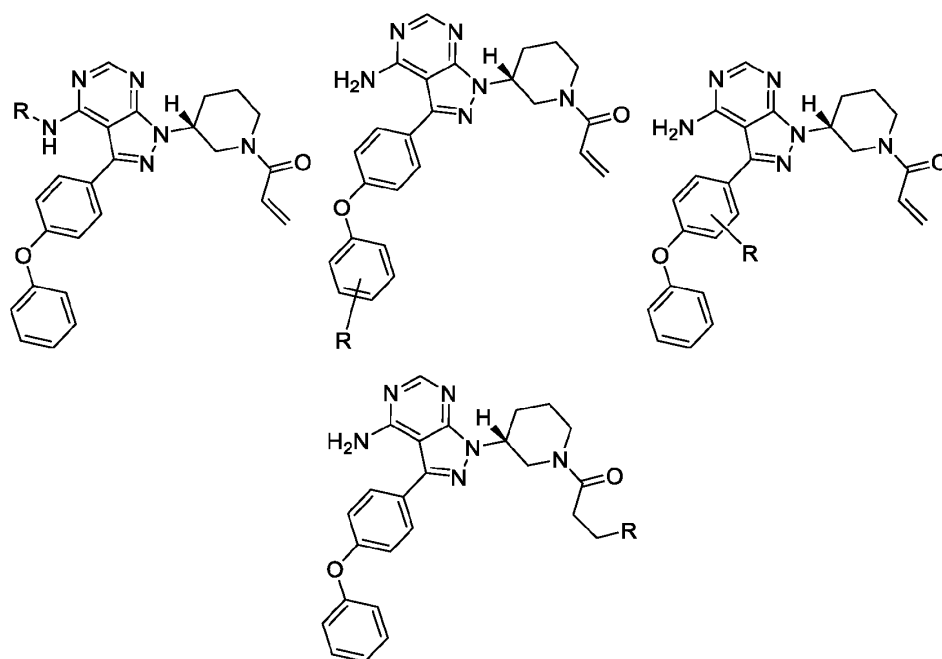


FIG. 5P

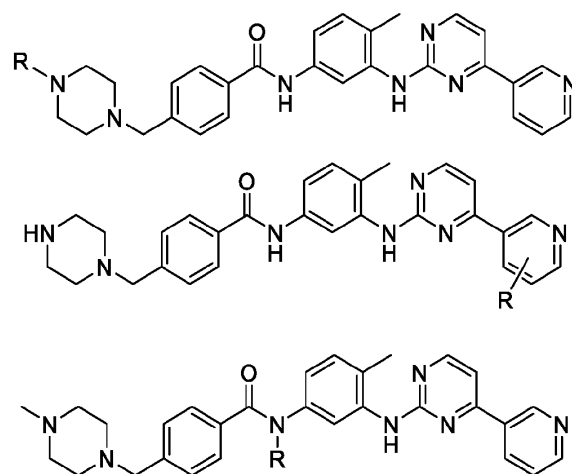


FIG. 5Q

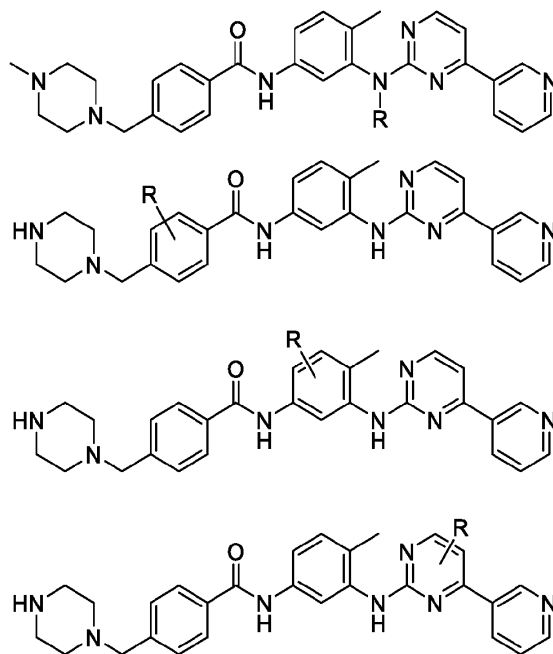


FIG. 5R

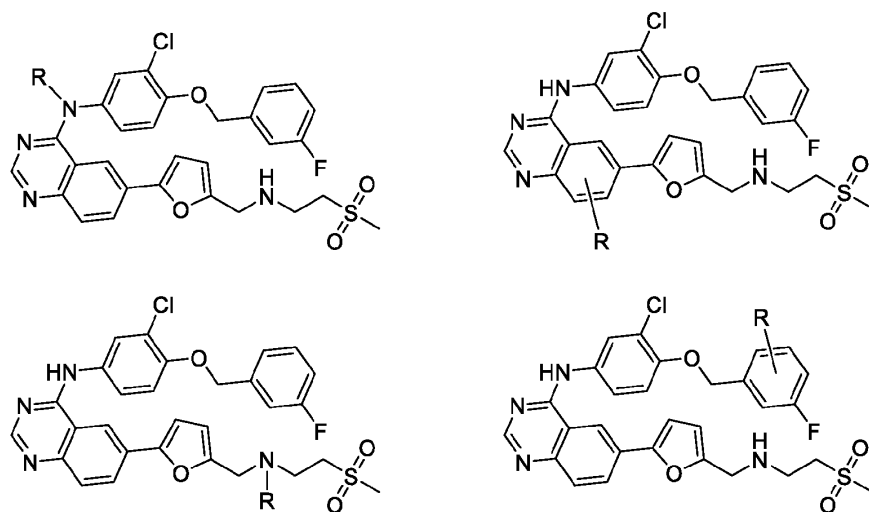


FIG. 5S

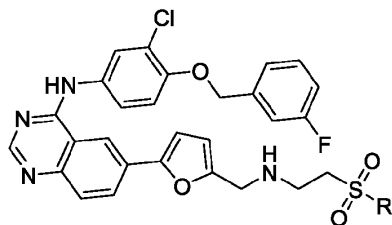


FIG. 5T

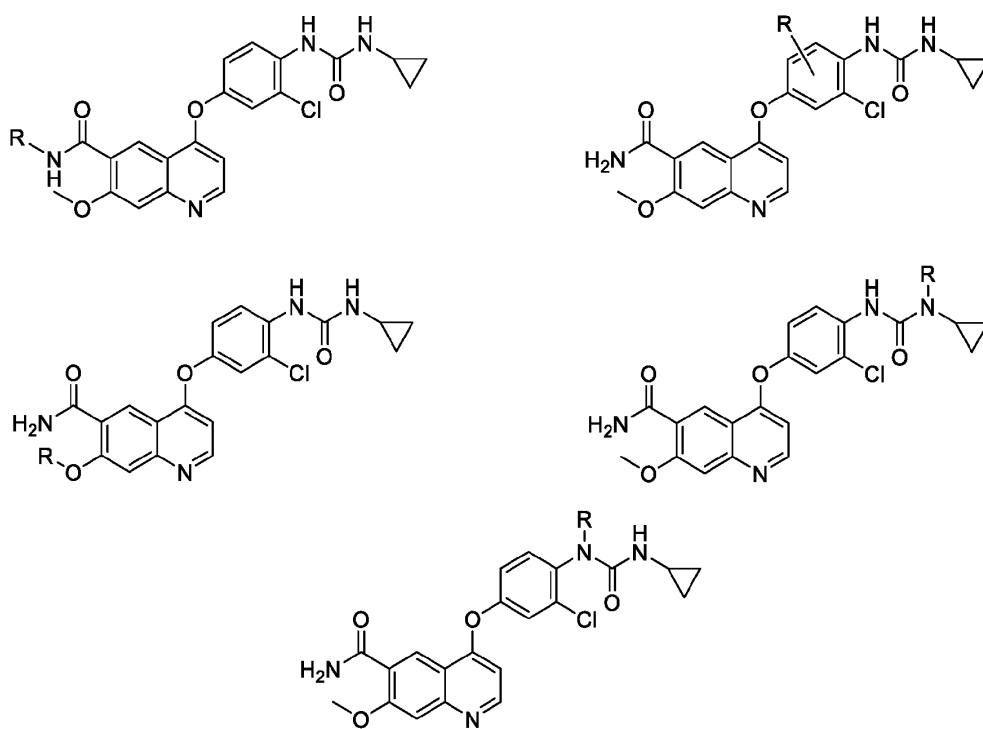


FIG. 5U

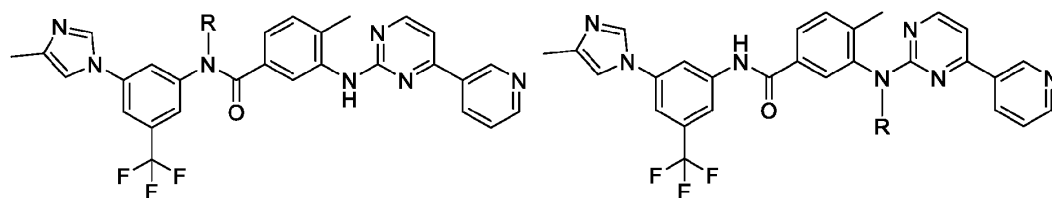




FIG. 5V

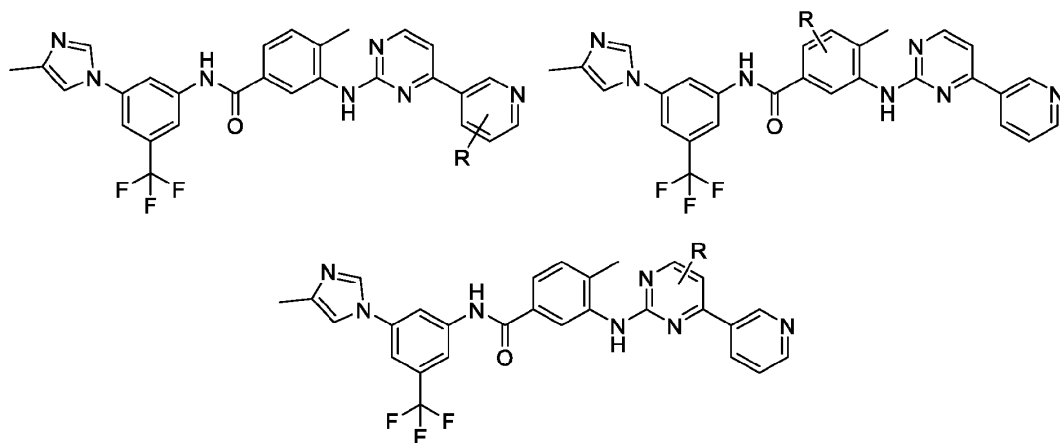


FIG. 5W

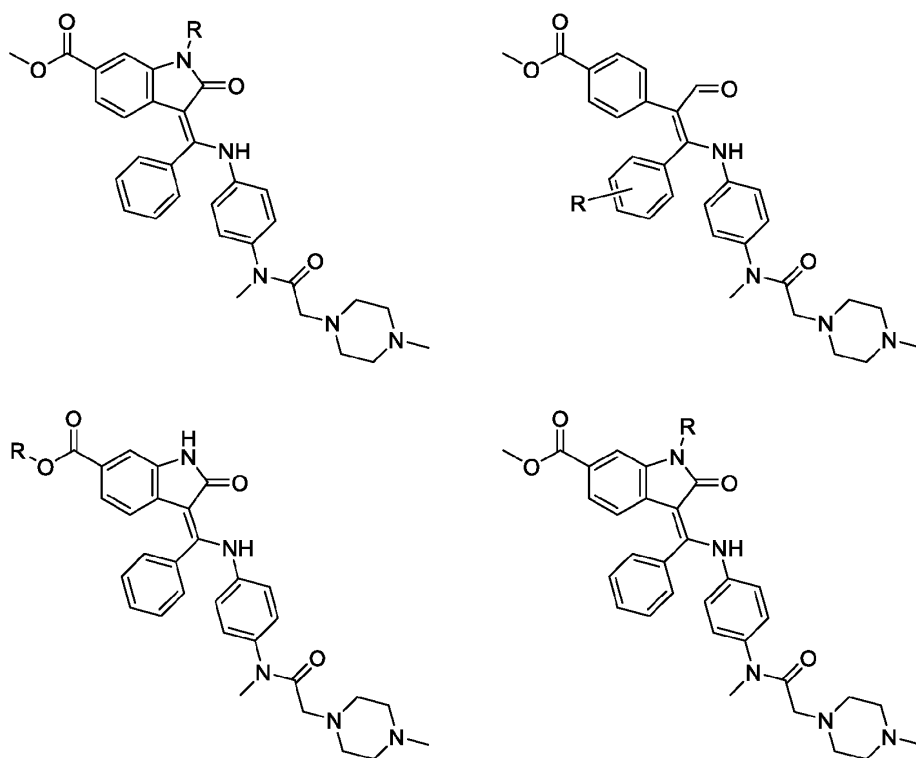


FIG. 5X

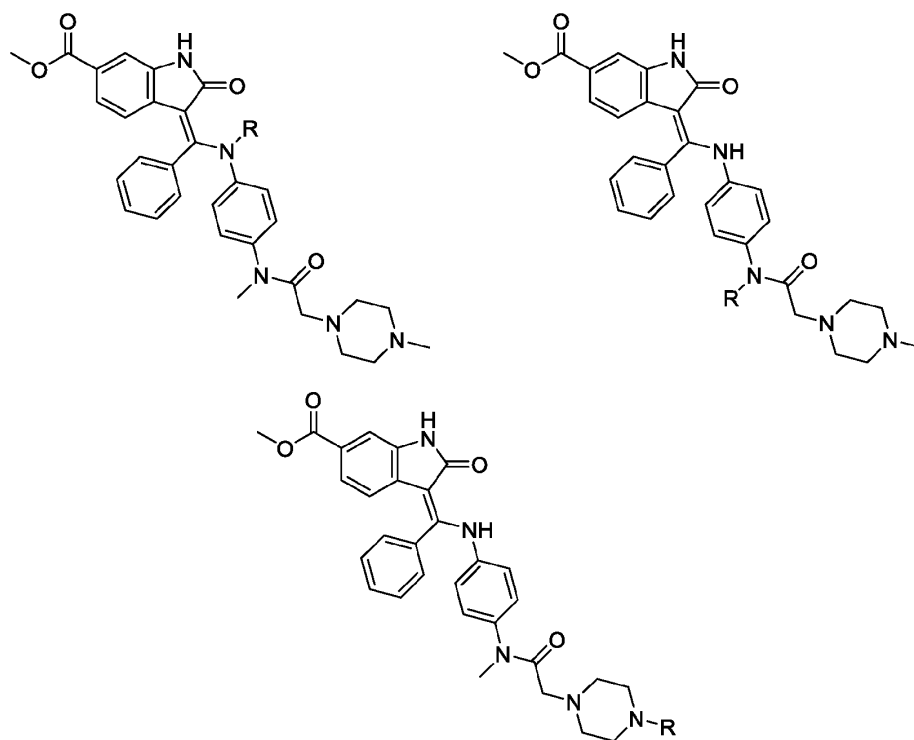


FIG. 5Y

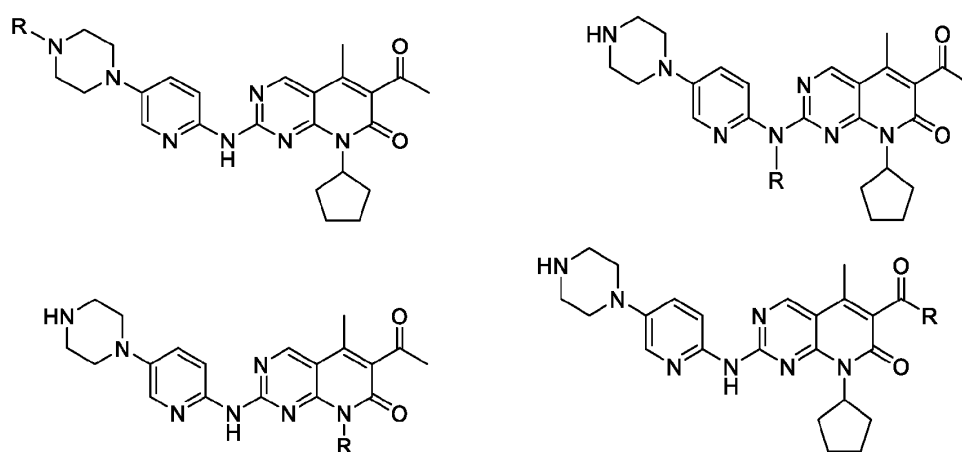


FIG. 5Z

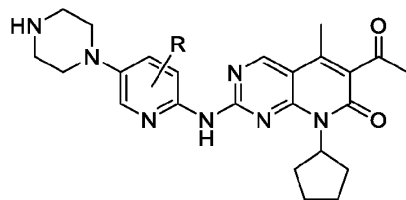


FIG. 5AA

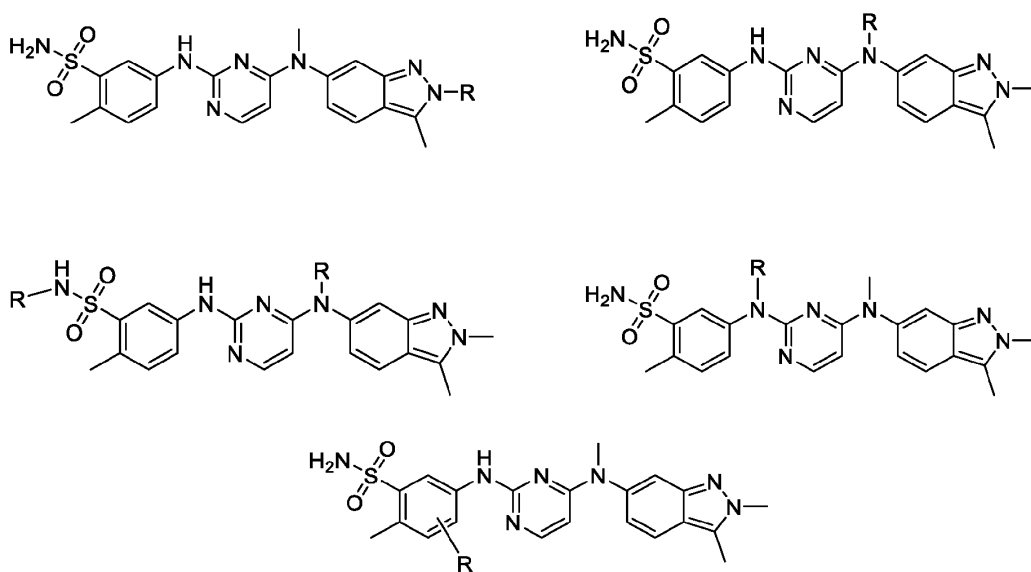


FIG. 5BB

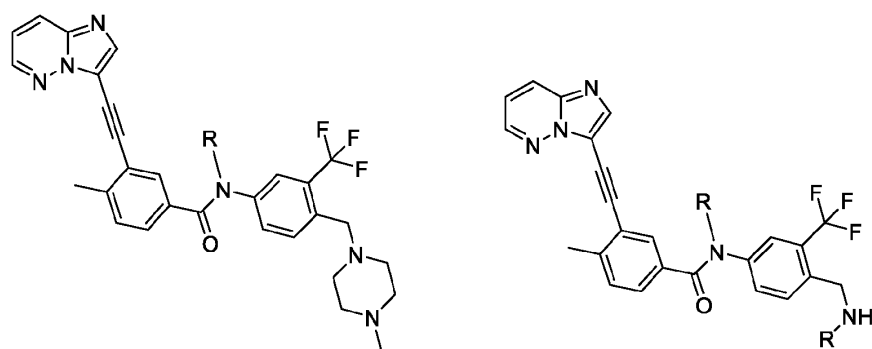


FIG. 5CC

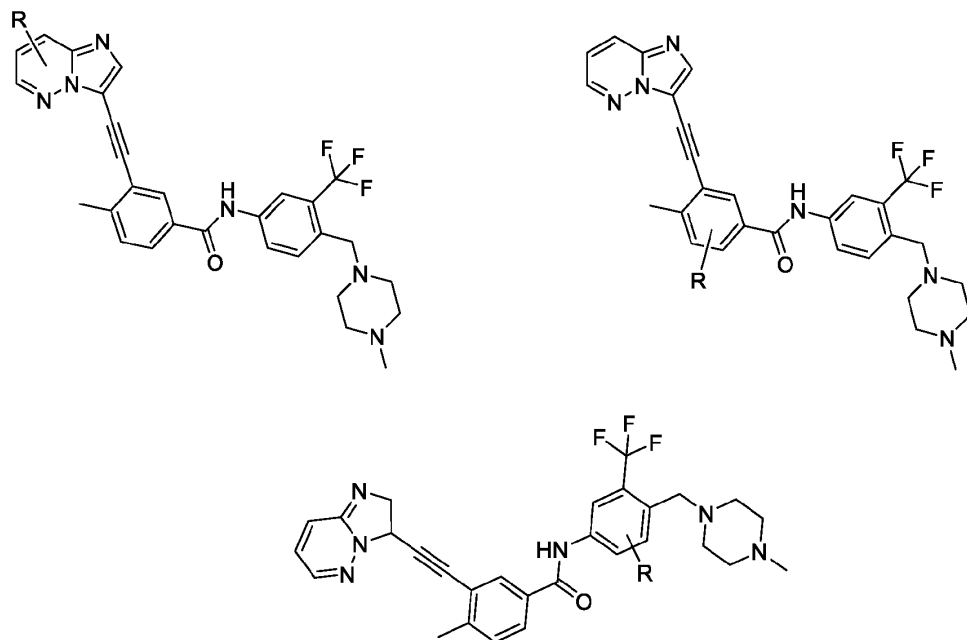


FIG. 5DD

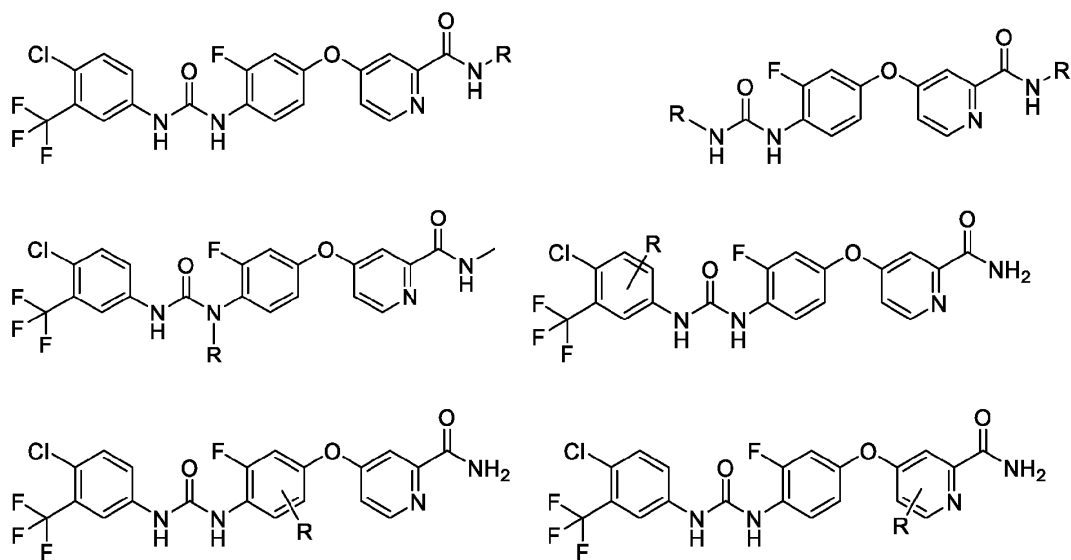


FIG. 5EE

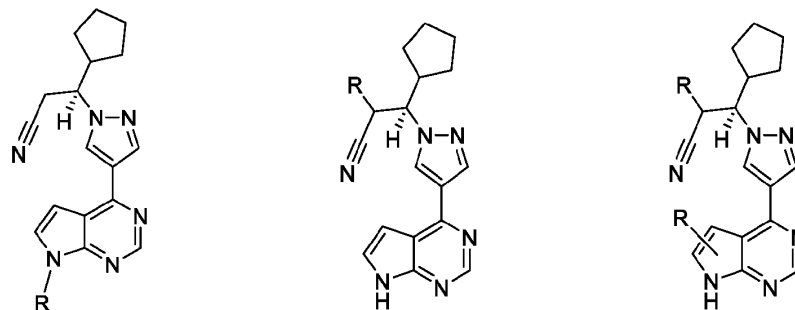


FIG. 5FF

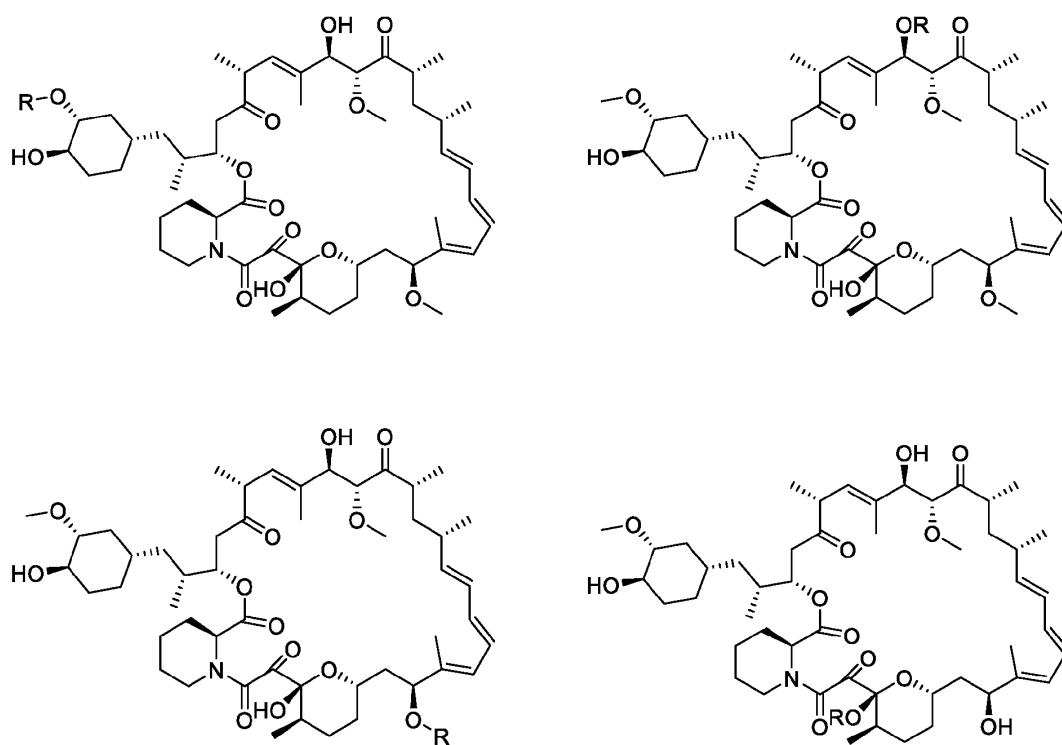


FIG. 5GG

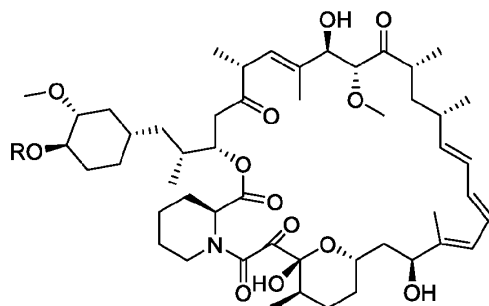


FIG. 5HH

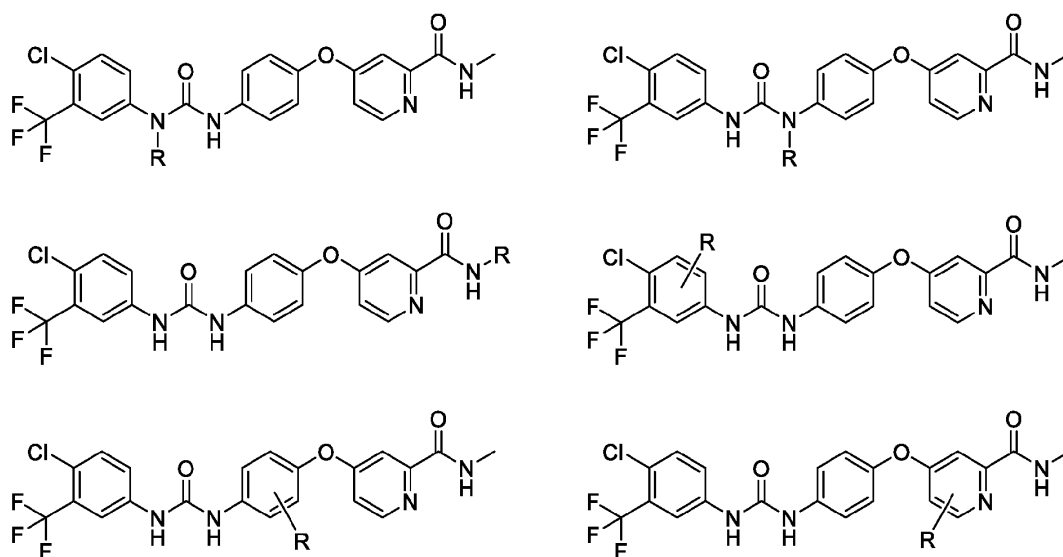


FIG. 5II

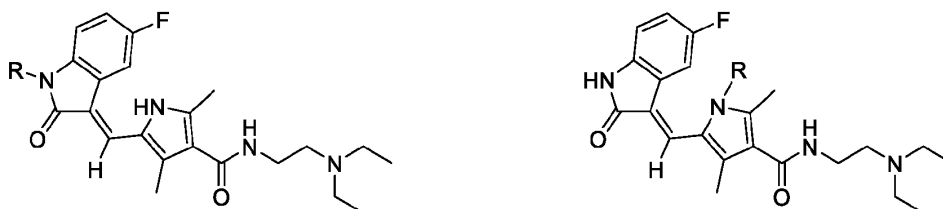


FIG. 5JJ

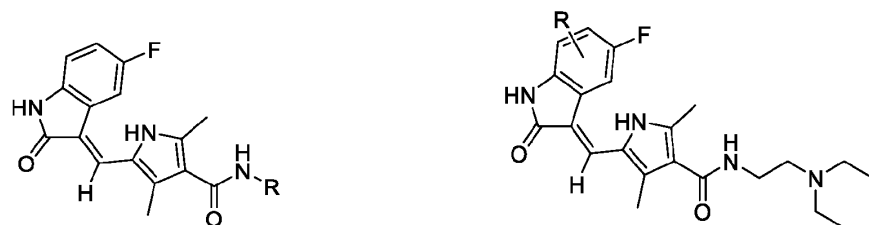


FIG. 5KK

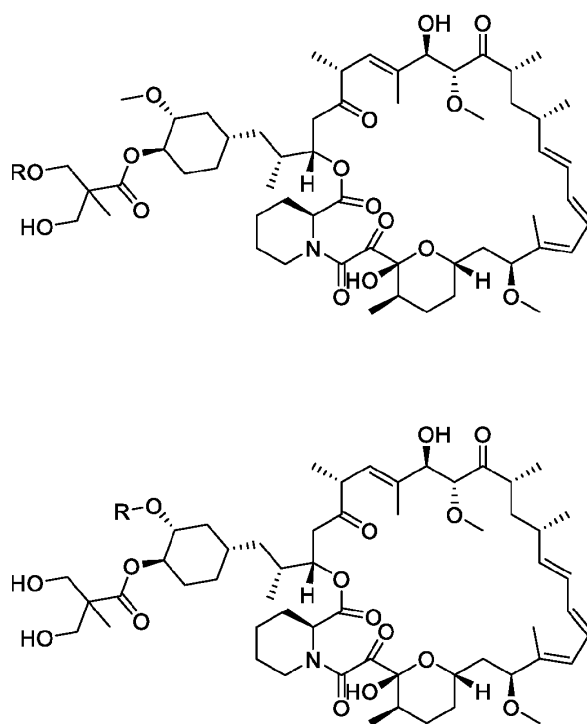


FIG. 5LL

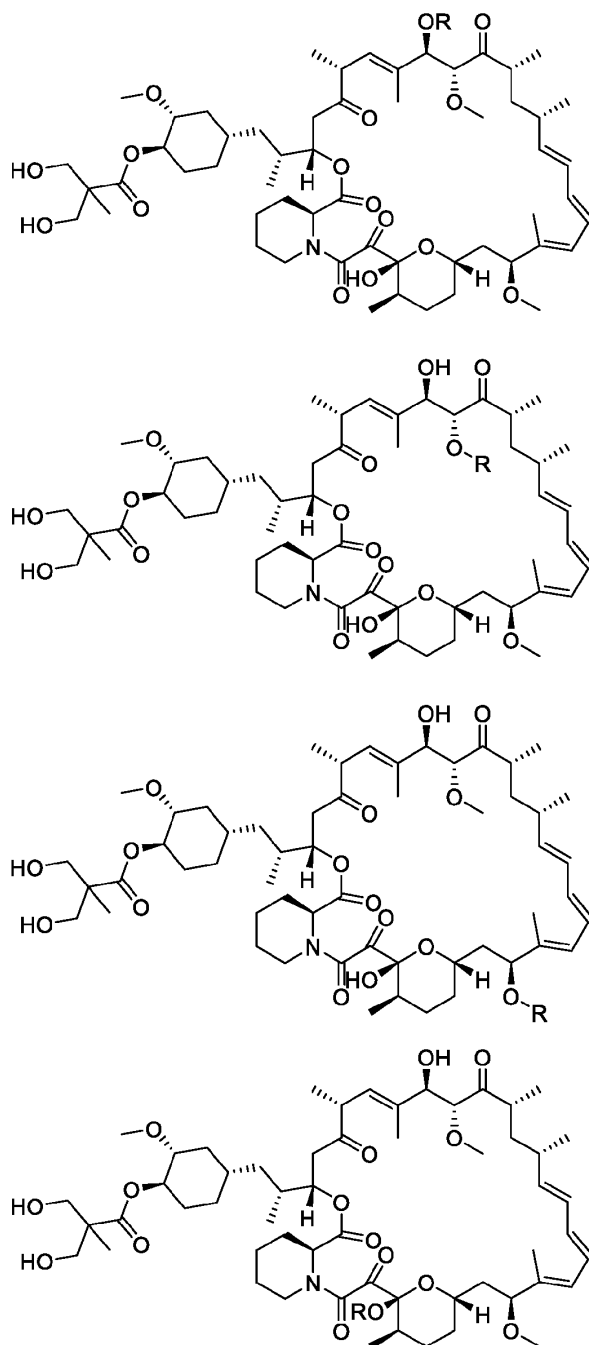




FIG. 5MM

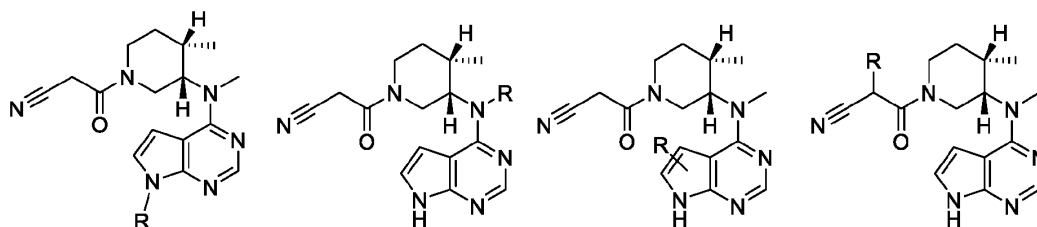


FIG. 5NN

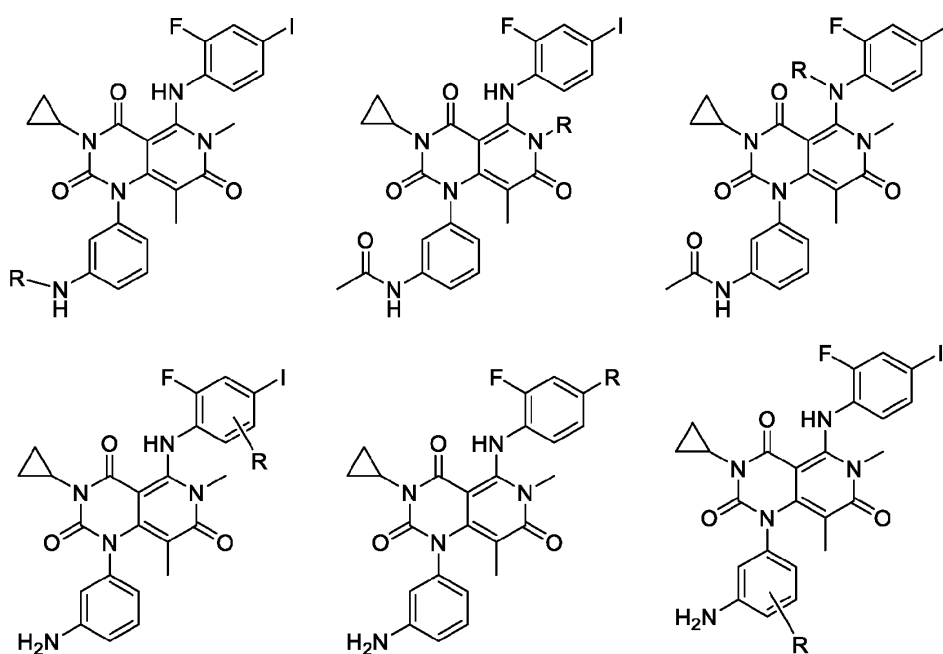


FIG. 500



FIG. 5PP

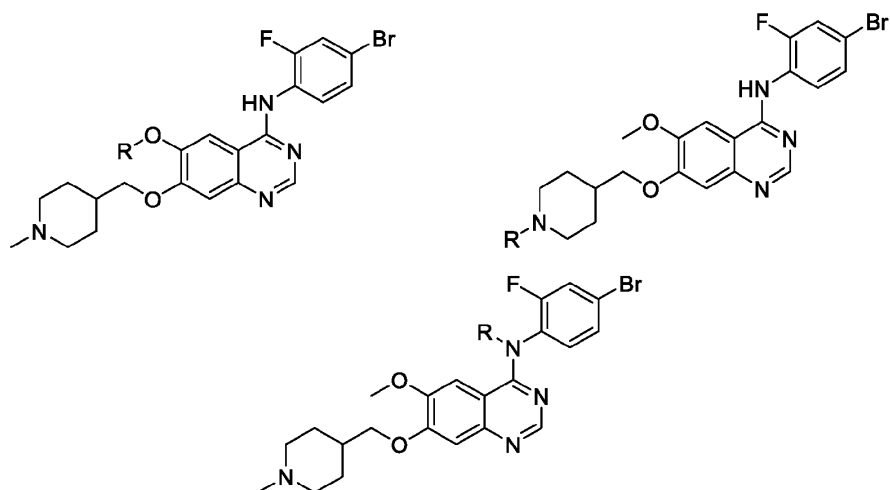


FIG. 5QQ

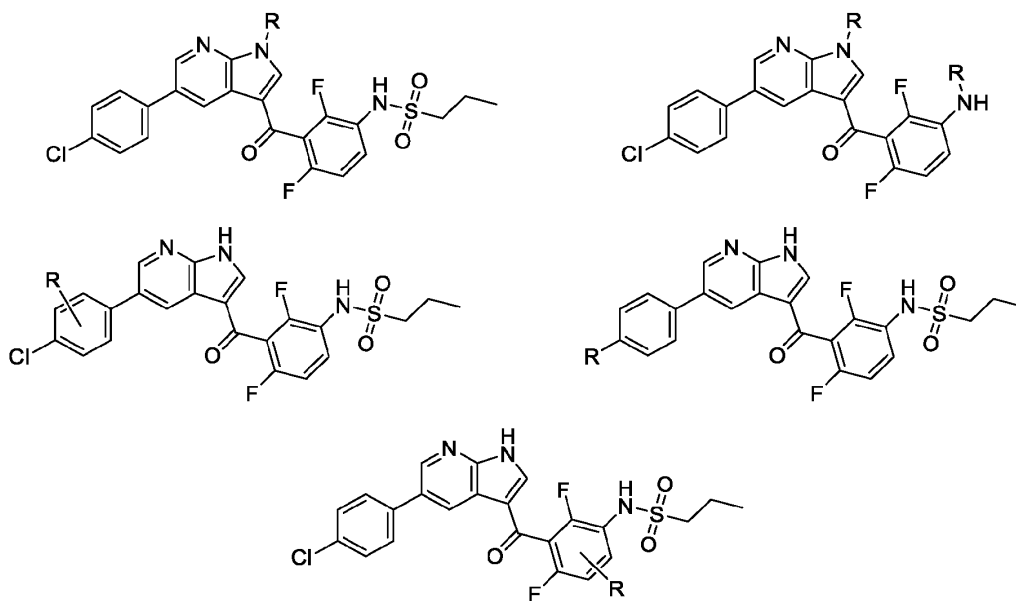


FIG. 5RR

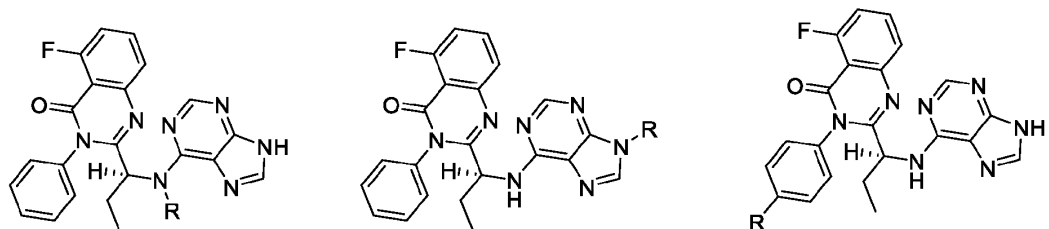


FIG. 5SS

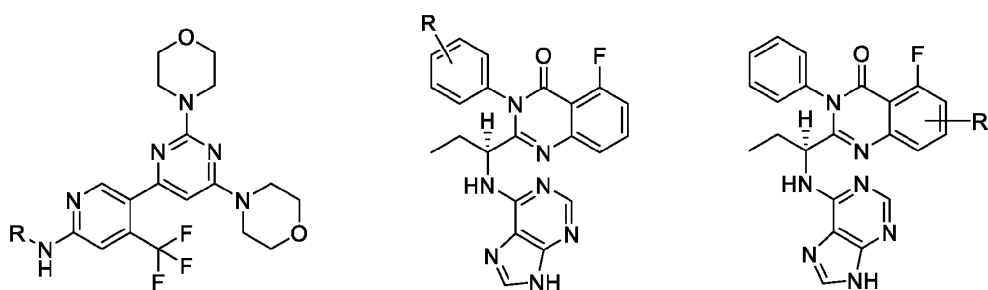


FIG. 5TT

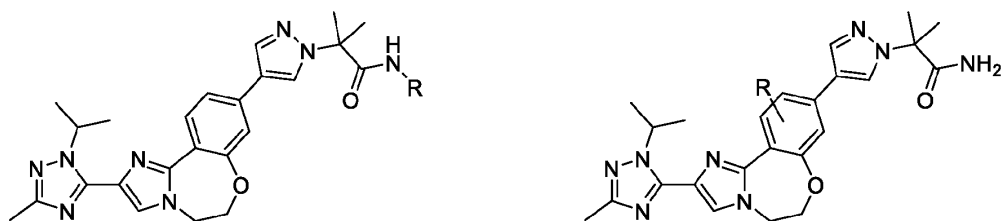


FIG. 5UU

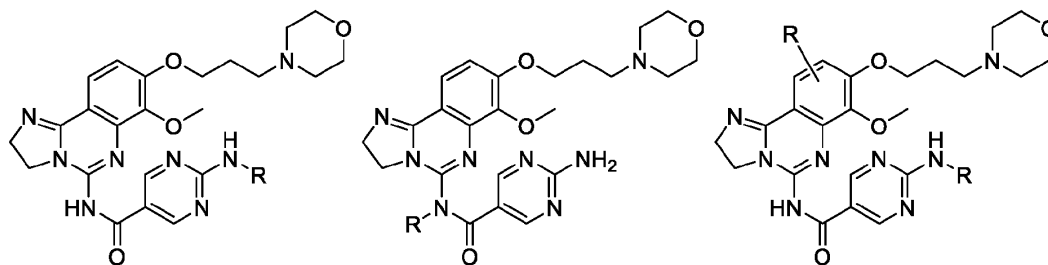


FIG. 5VV

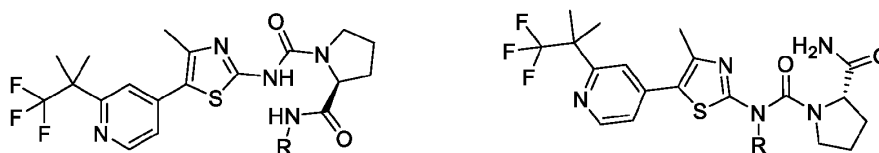


FIG. 5WW

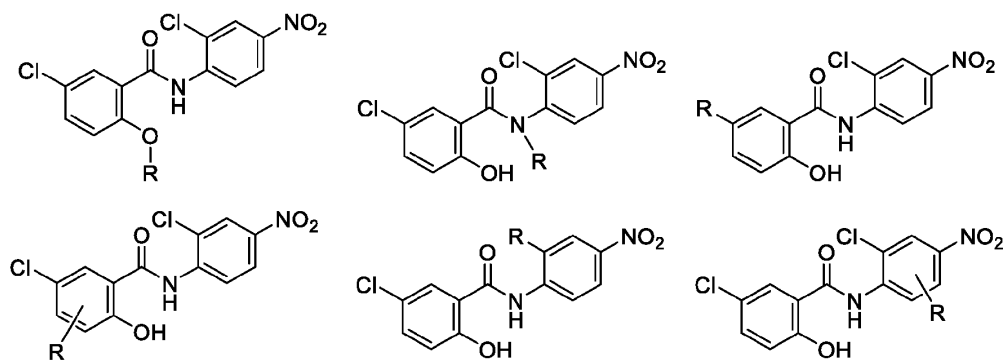


FIG. 6A

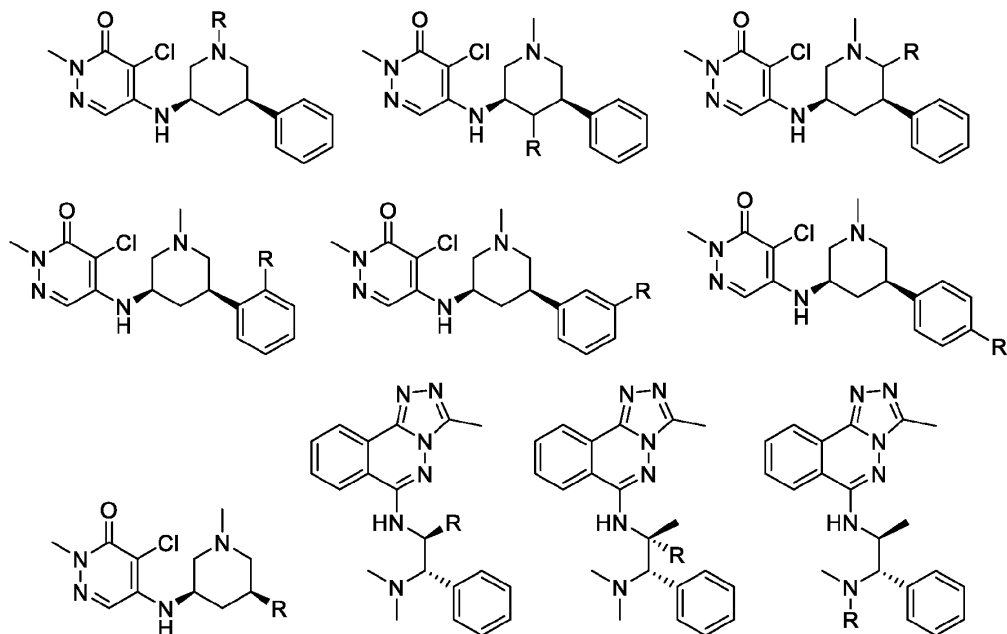
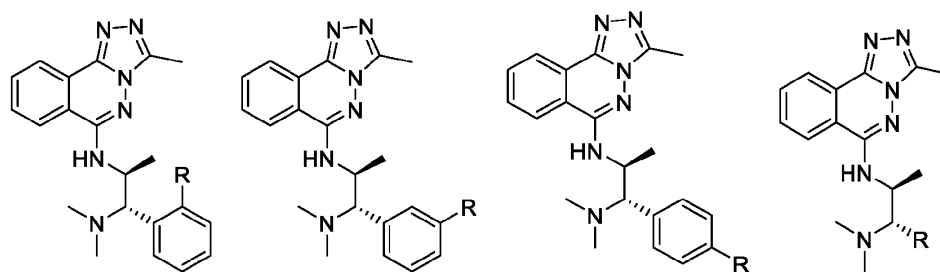


FIG. 6B



Chemical structures of compounds 10a, 10b, 10c, 10d, and 10e are shown. These structures are variations of the core molecule, featuring a quinazoline ring system substituted with a morpholine ring, a methoxy group, and a dimethylaminoethoxy group. The structures are labeled 10a, 10b, 10c, 10d, and 10e.

FIG. 6D

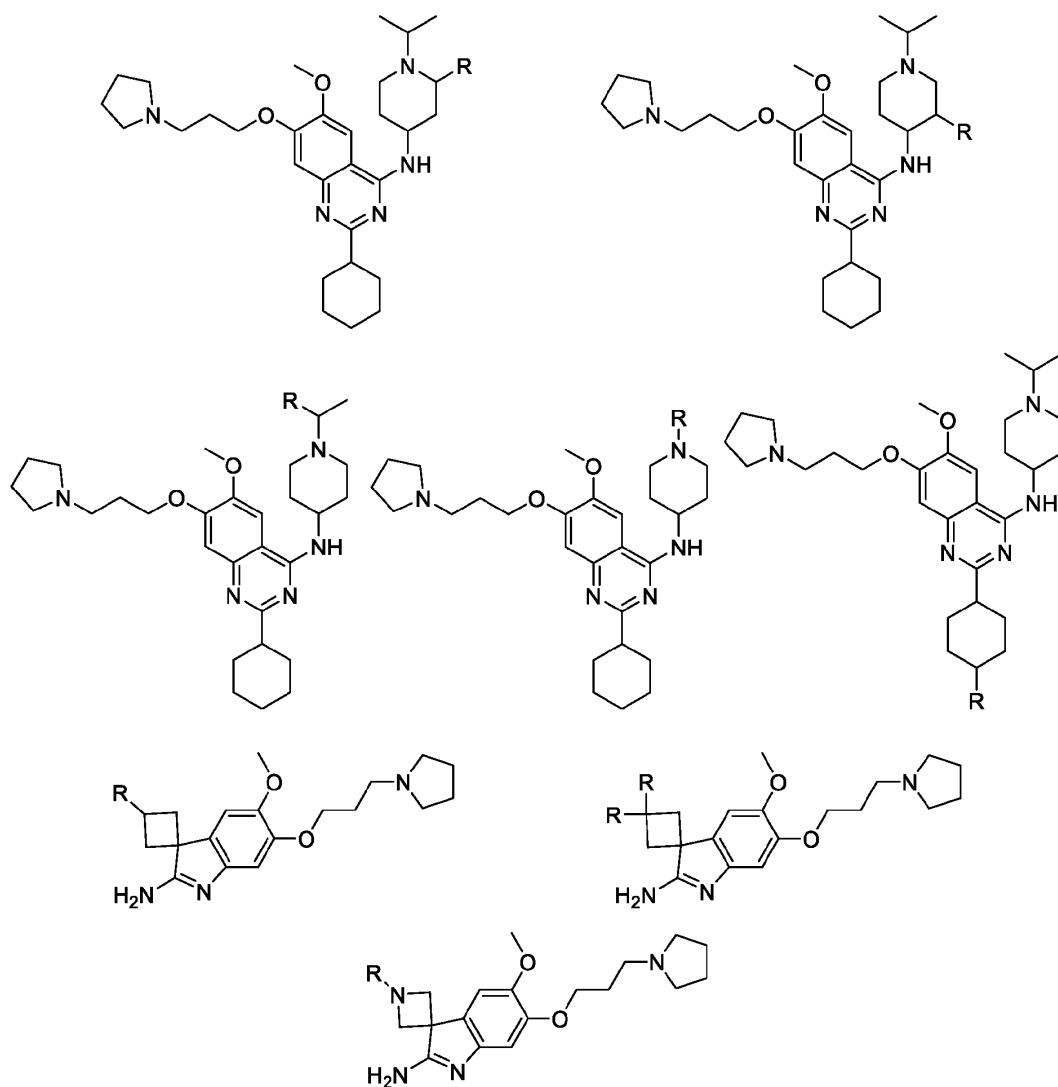


FIG. 6E

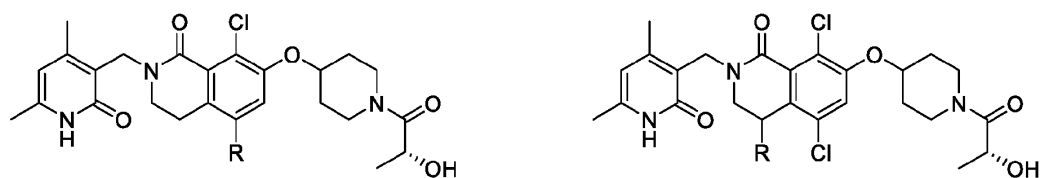


FIG. 6F

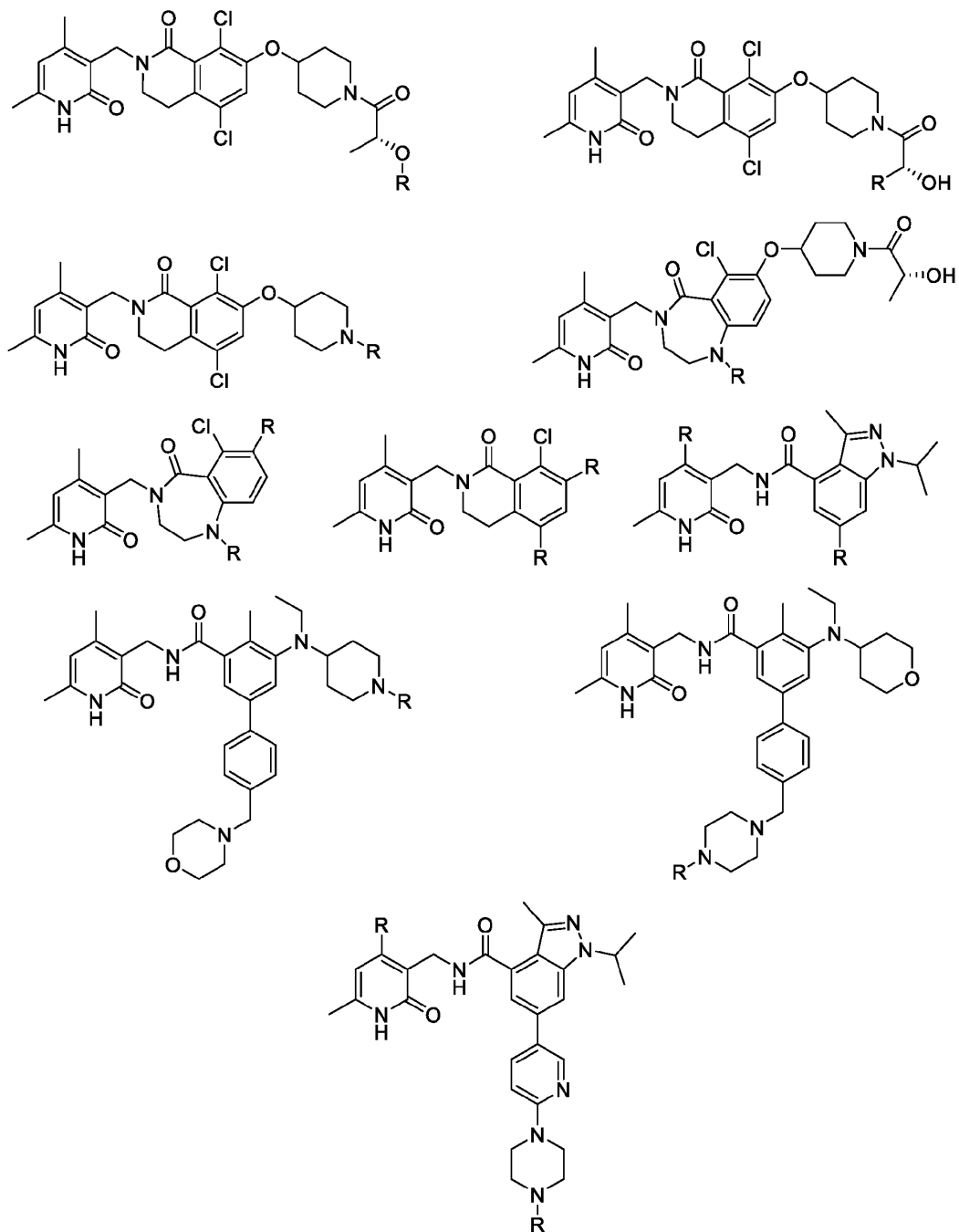




FIG. 6G

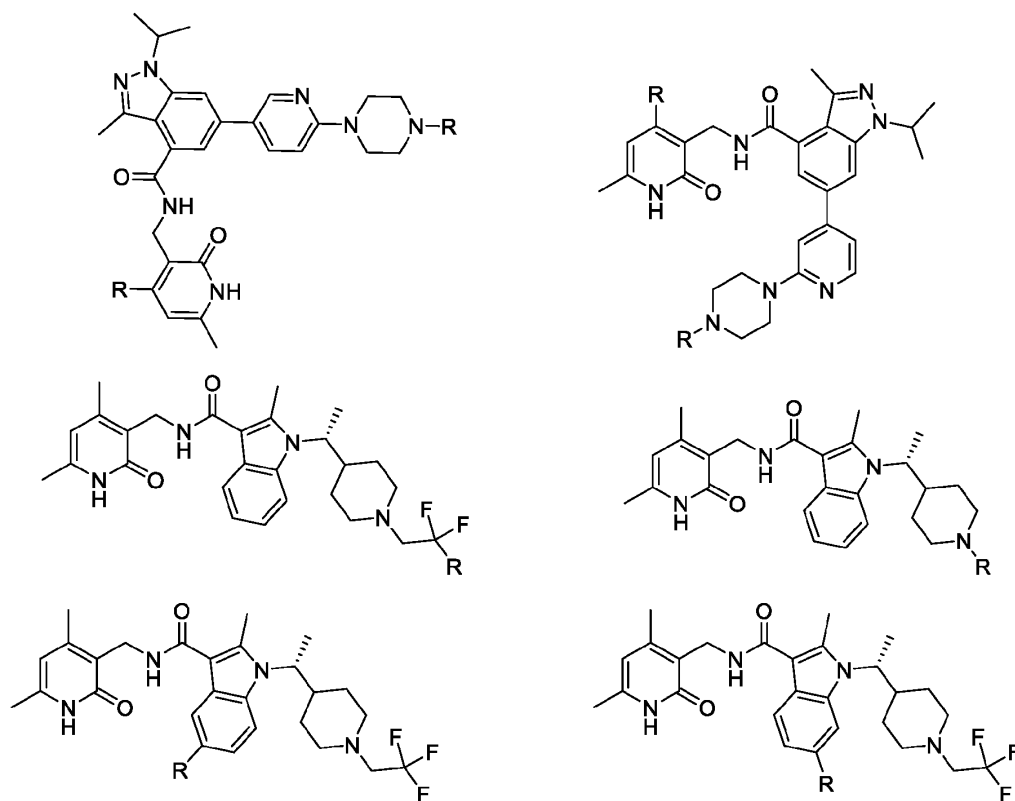


FIG. 6H

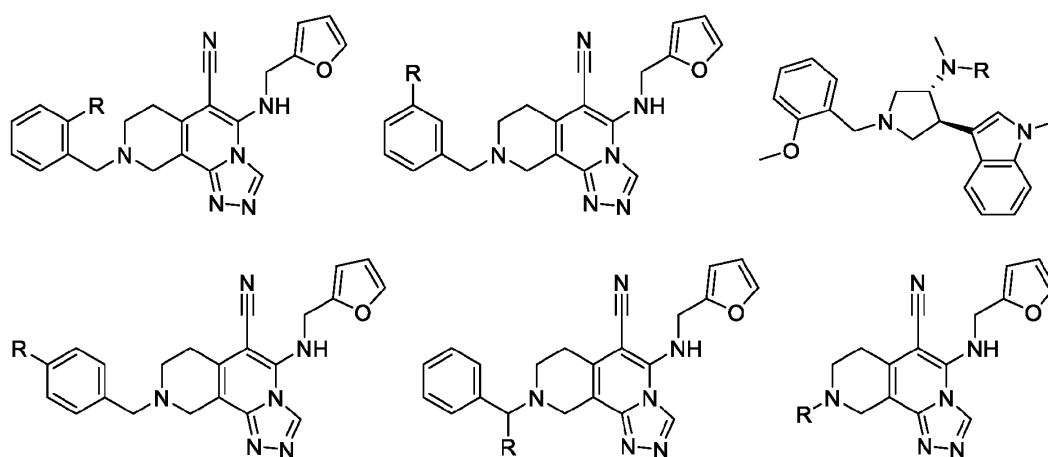


FIG. 6I

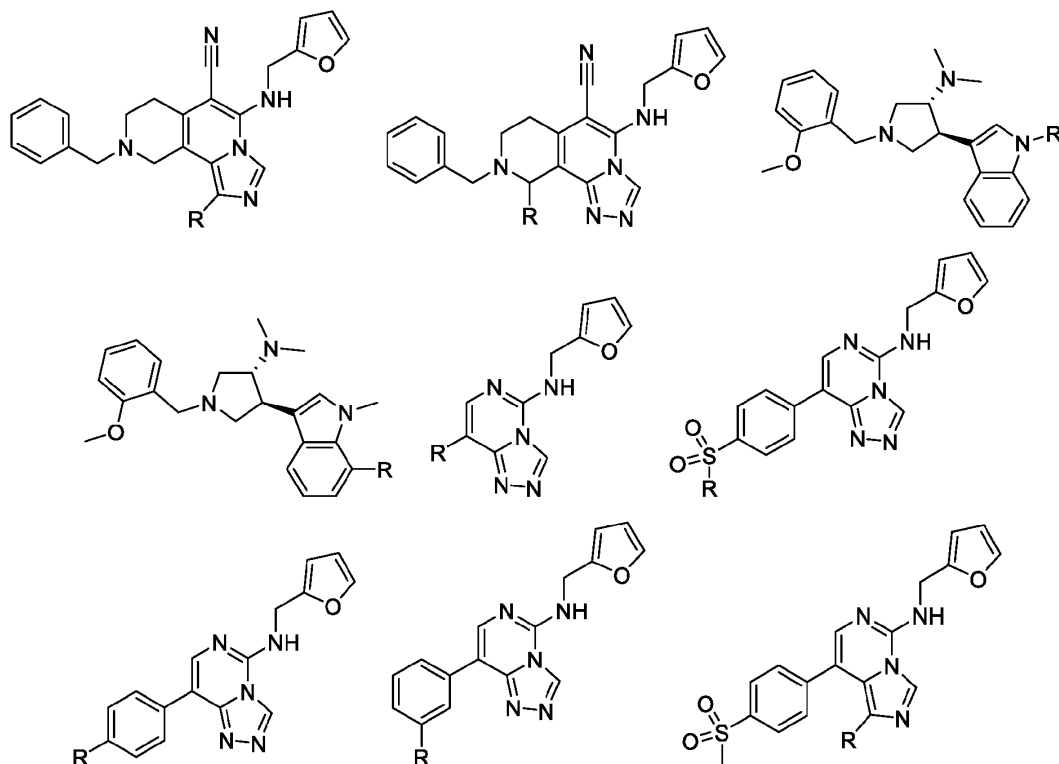


FIG. 6J

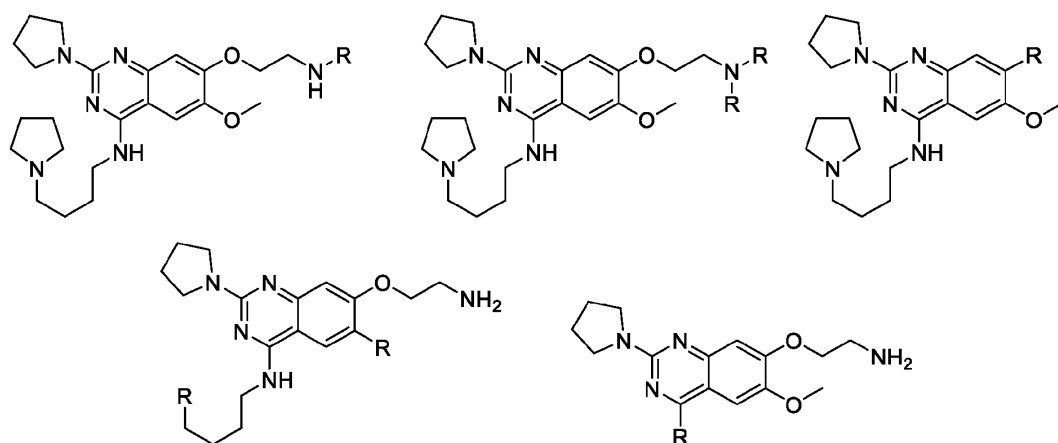


FIG. 6K

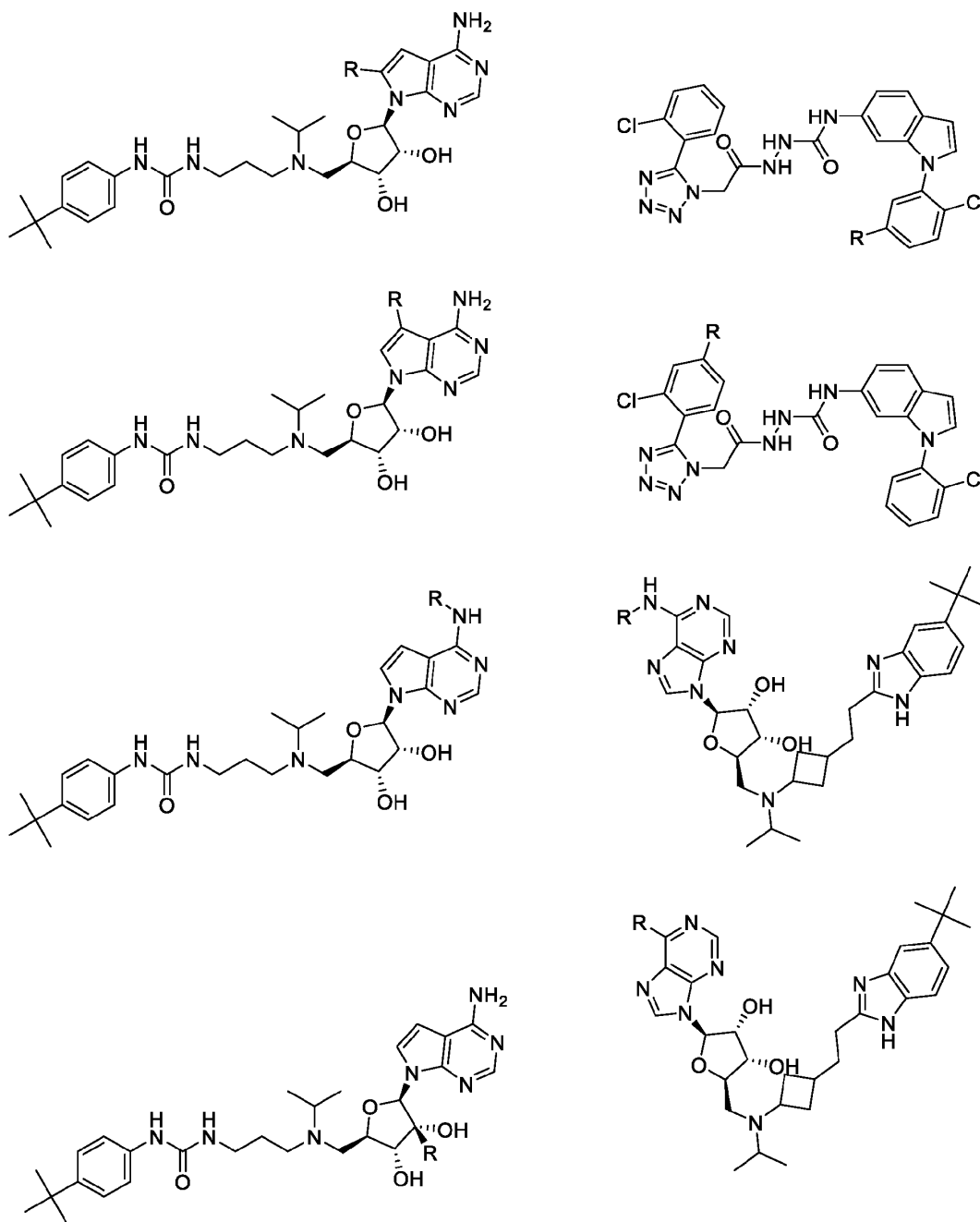


FIG. 6L

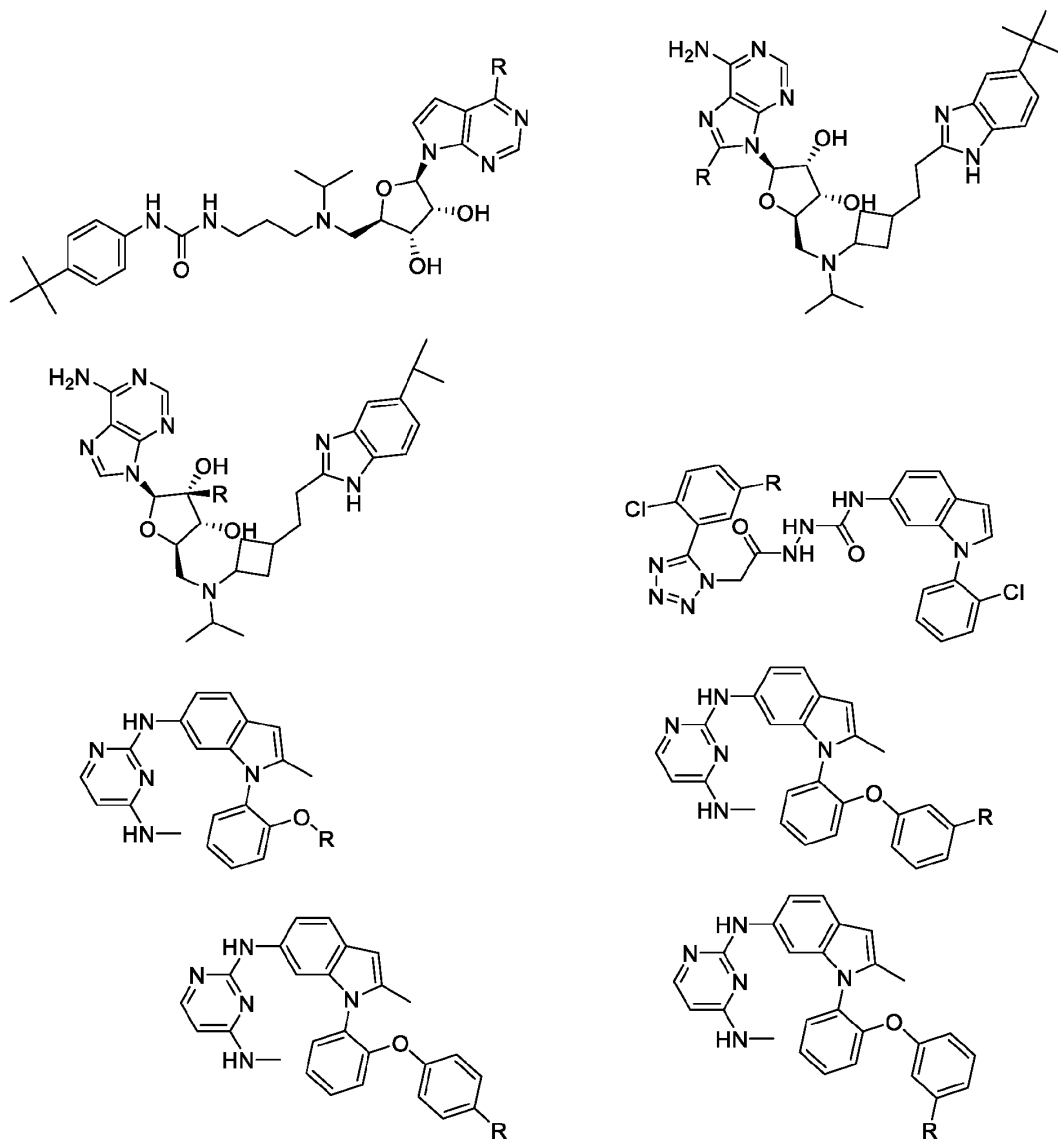


FIG. 6M

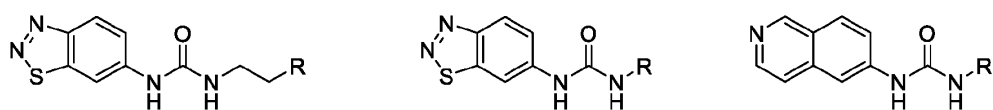


FIG. 6N

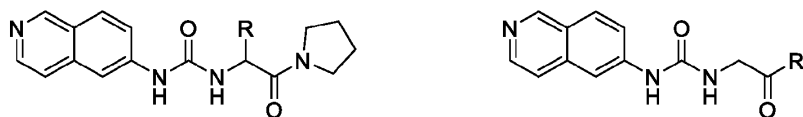


FIG. 6O

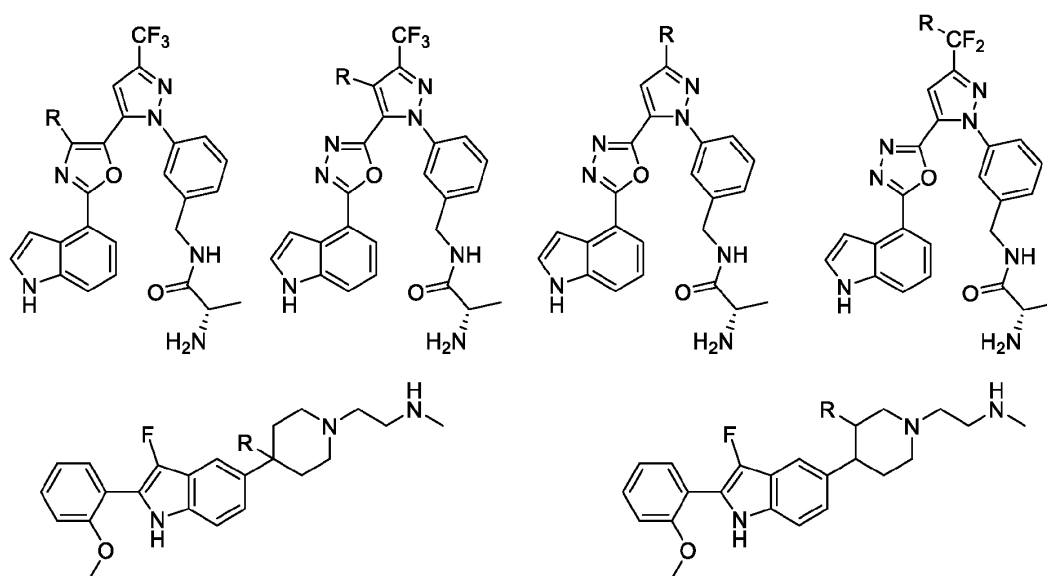


FIG. 6P

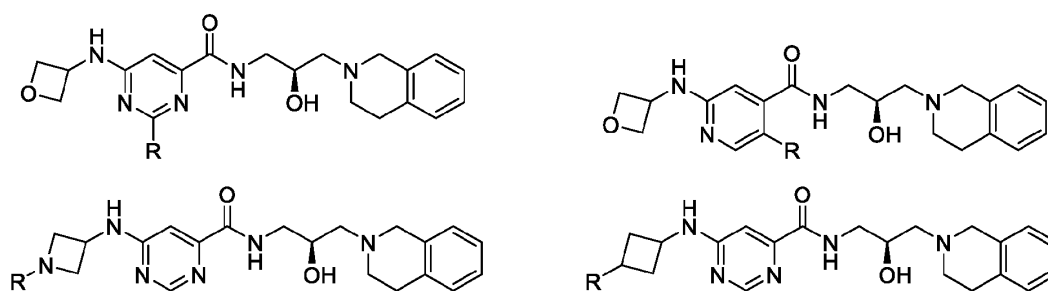


FIG. 6Q

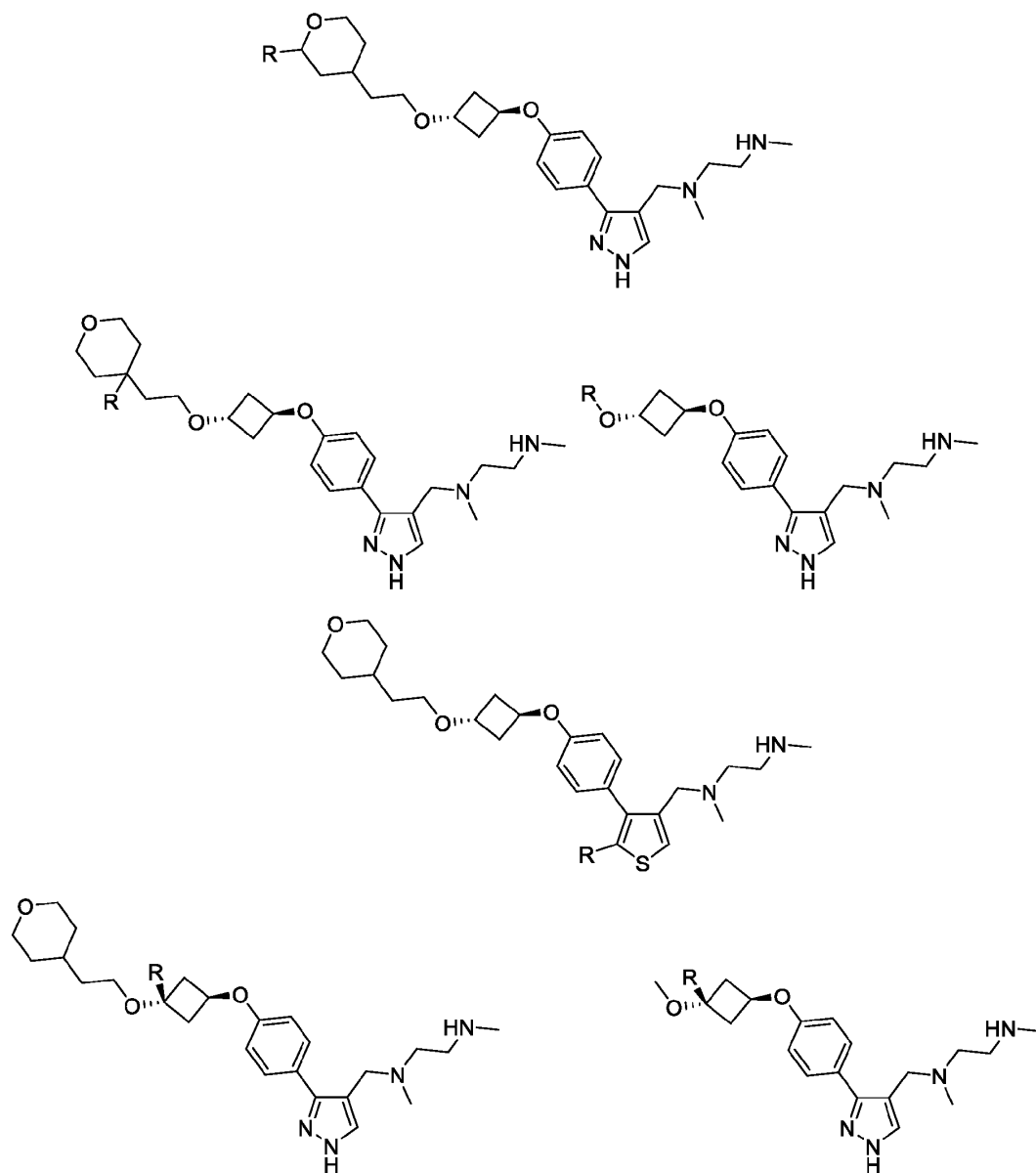


FIG. 6R

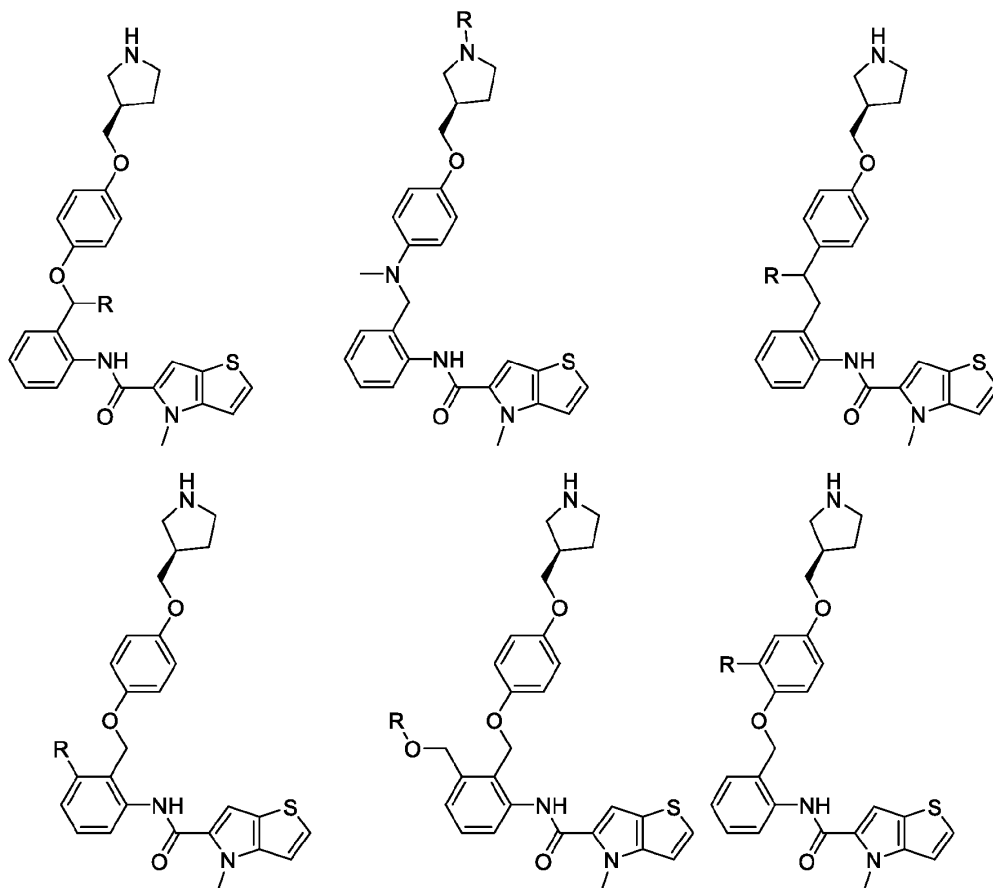


FIG. 6S

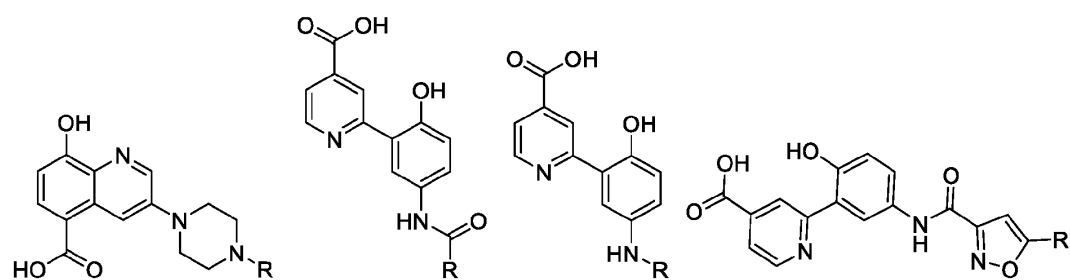


FIG. 6T

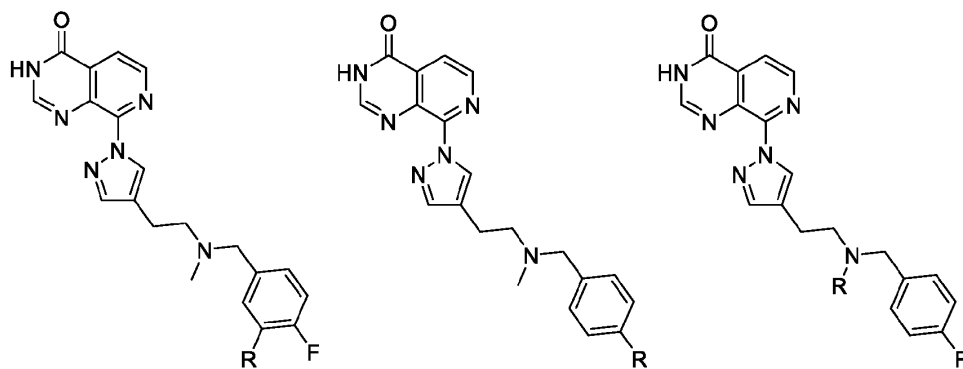


FIG. 6U

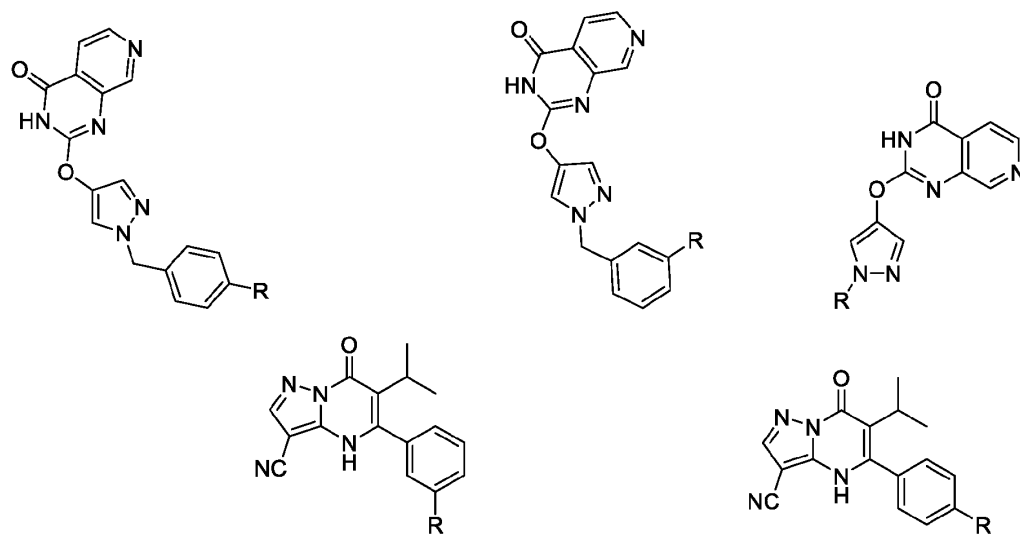


FIG. 6V

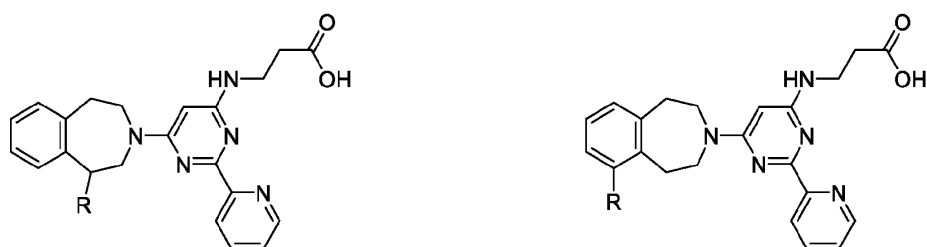




FIG. 6W

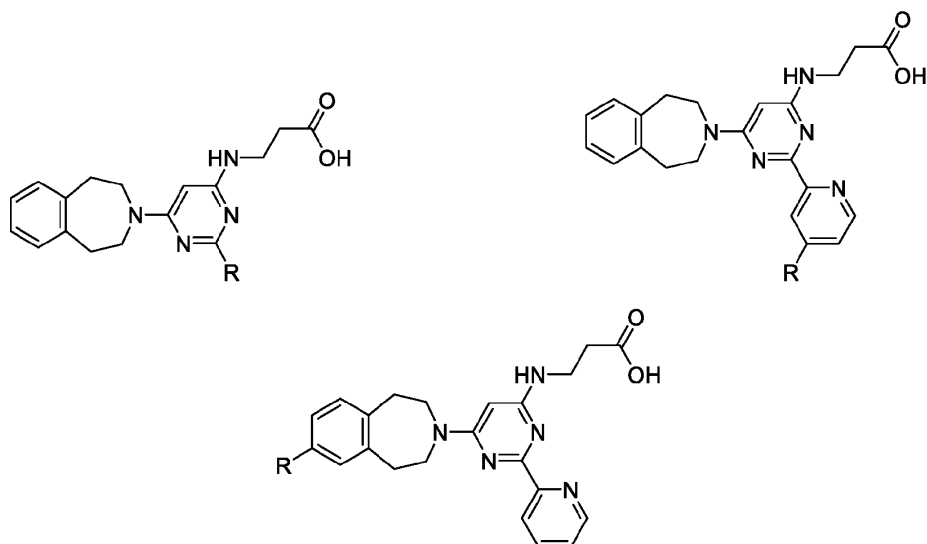


FIG. 6X

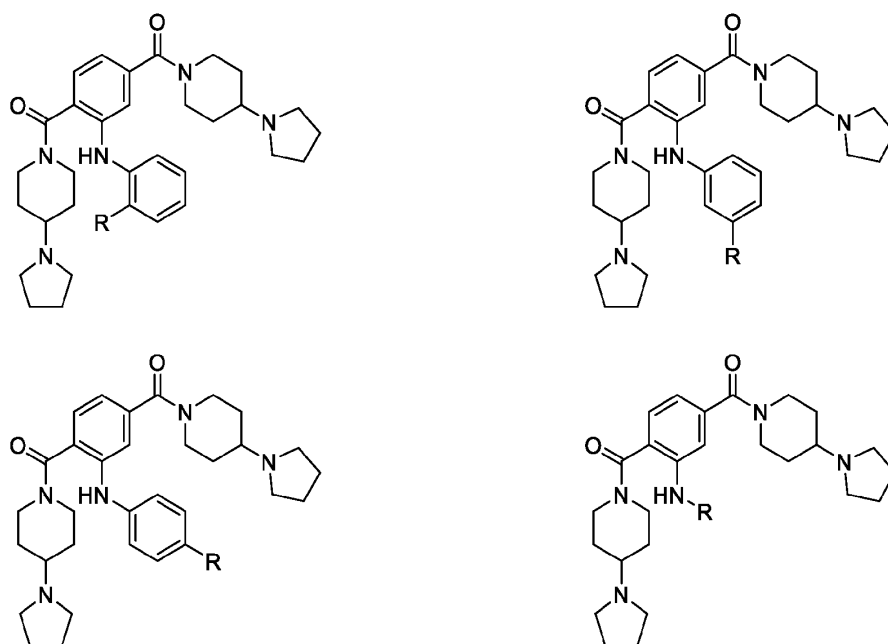


FIG. 6Y

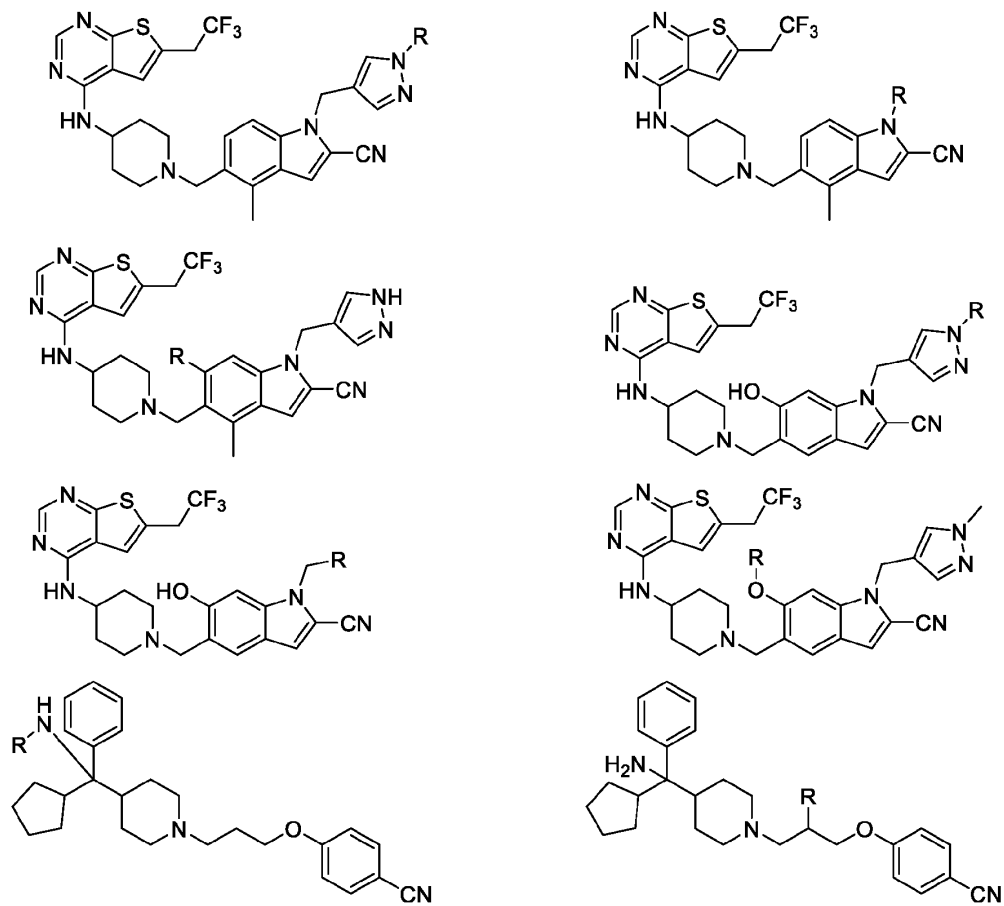


FIG. 6Z

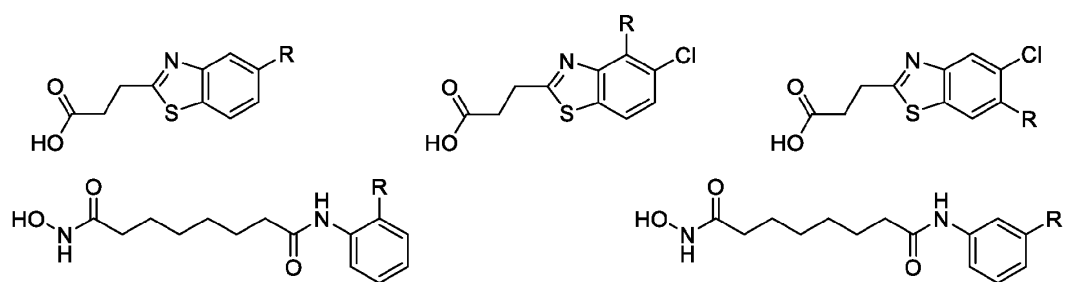


FIG. 6AA

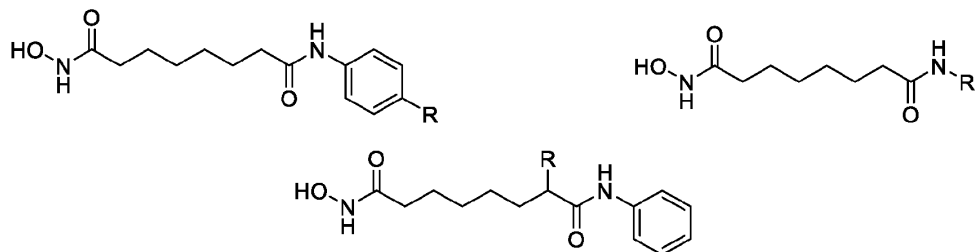


FIG. 6BB

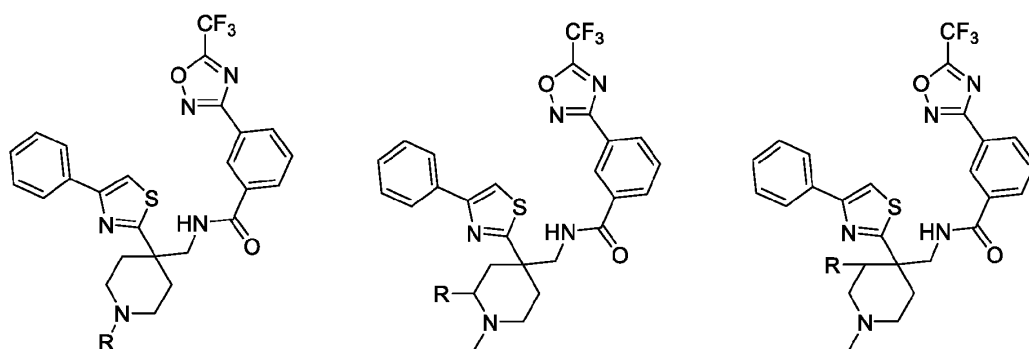
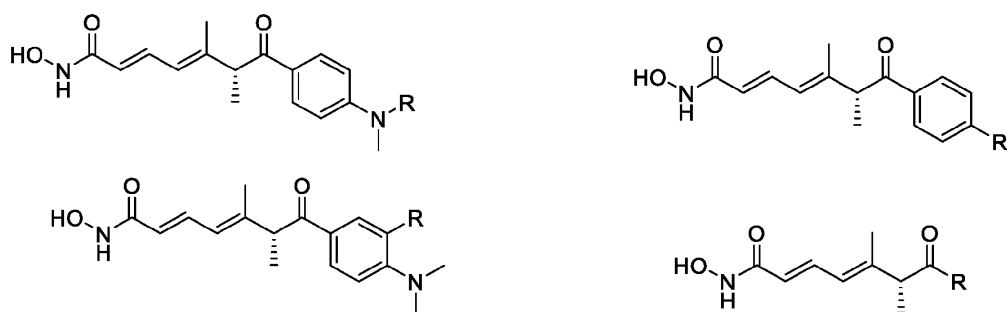


FIG. 7A

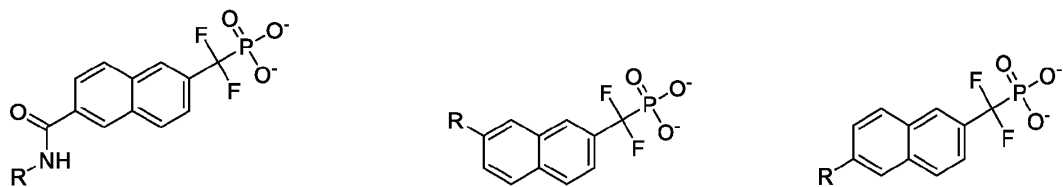


FIG. 7B

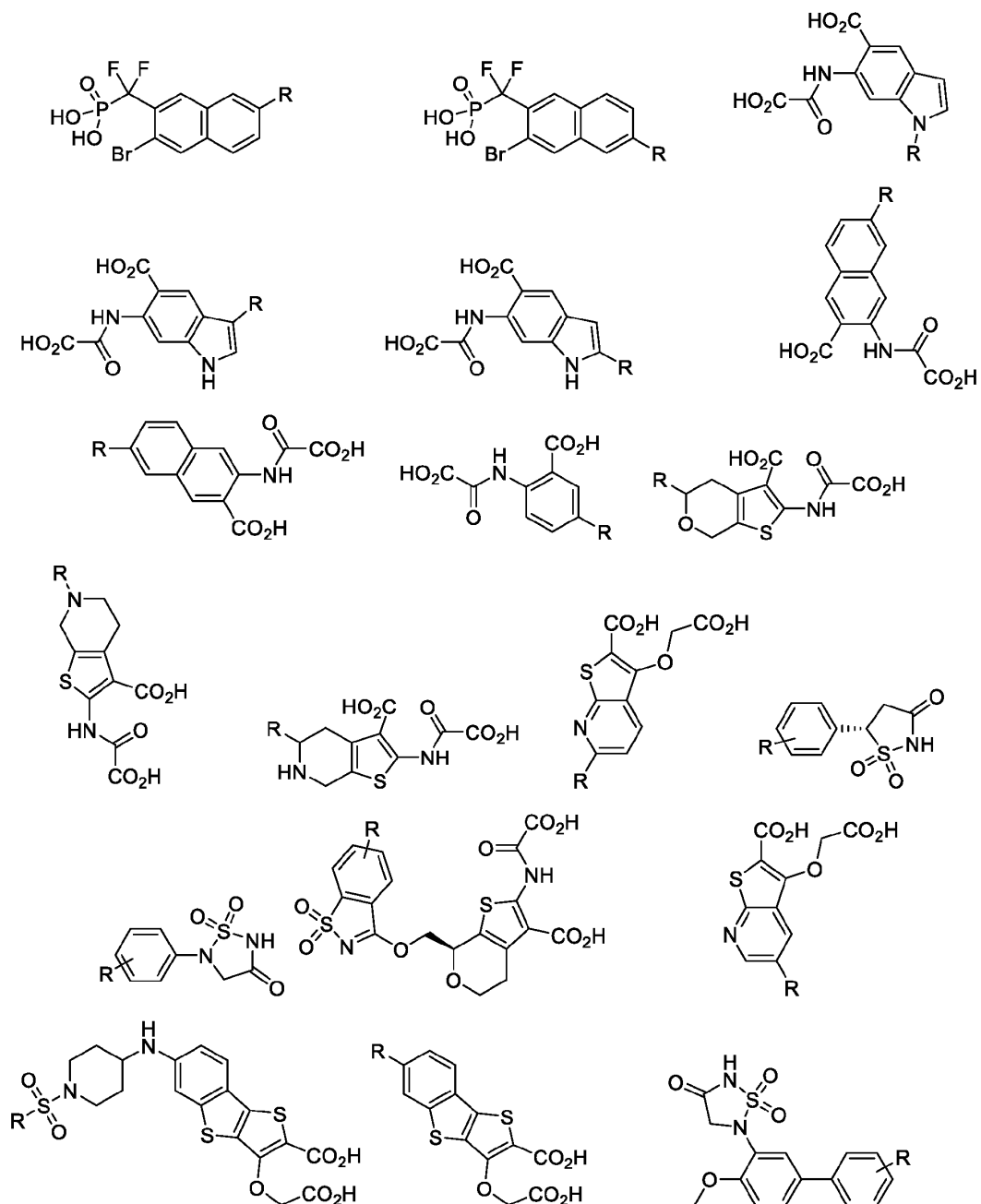


FIG. 7C

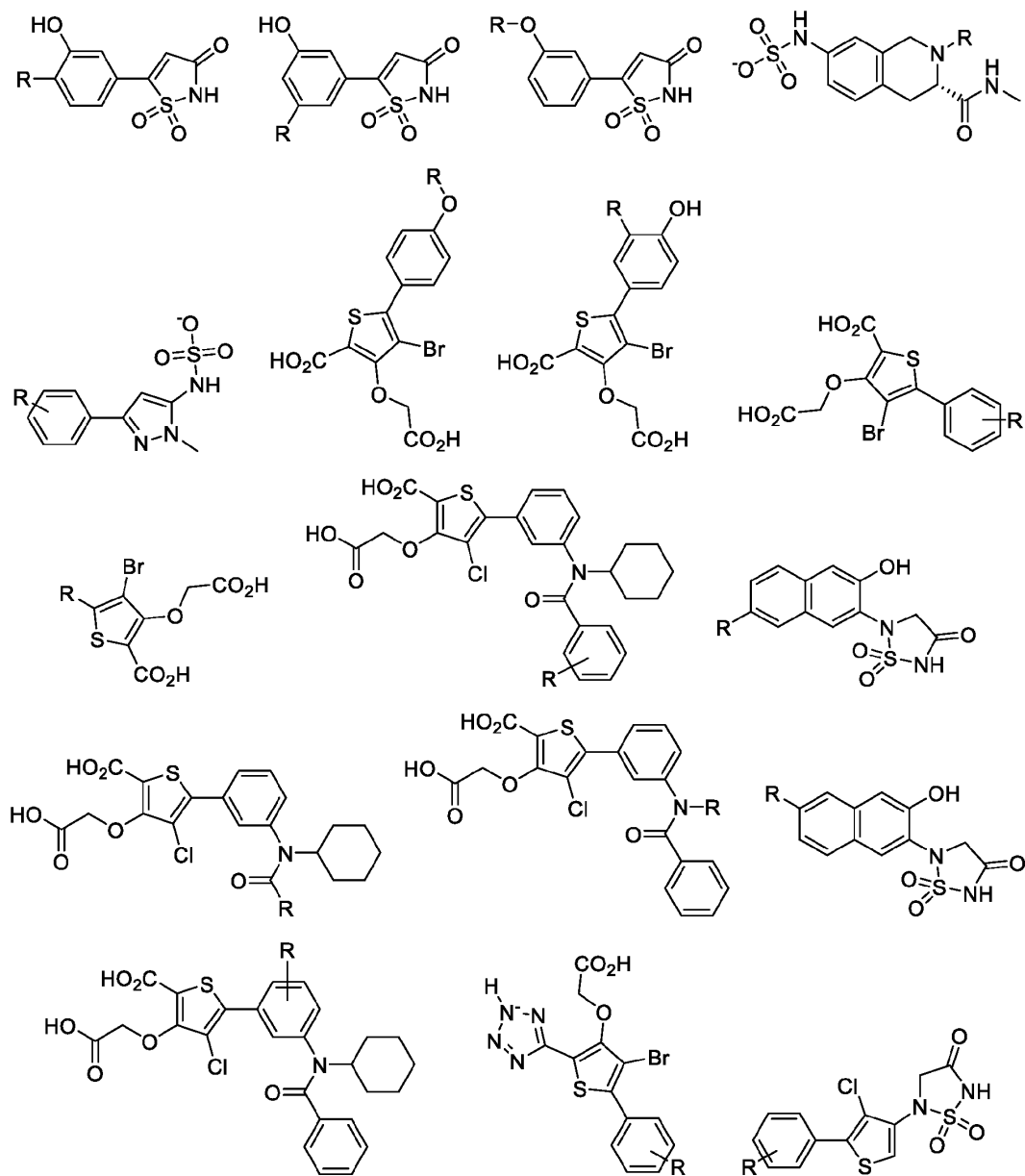


FIG. 7D

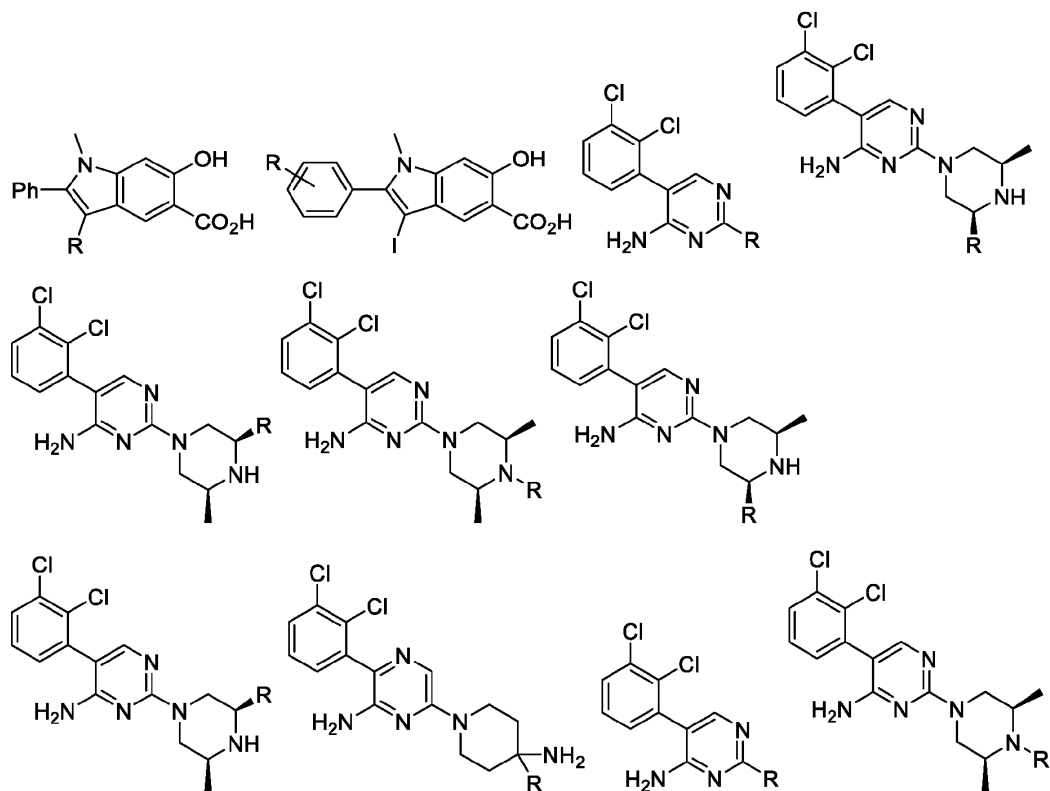


FIG. 7E

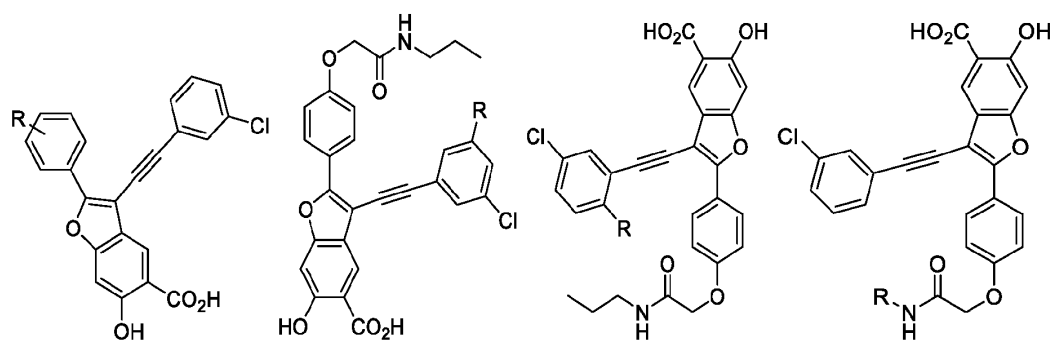


FIG 7F

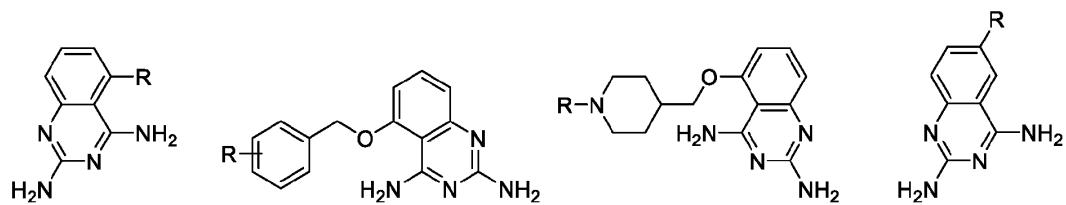


FIG. 8A

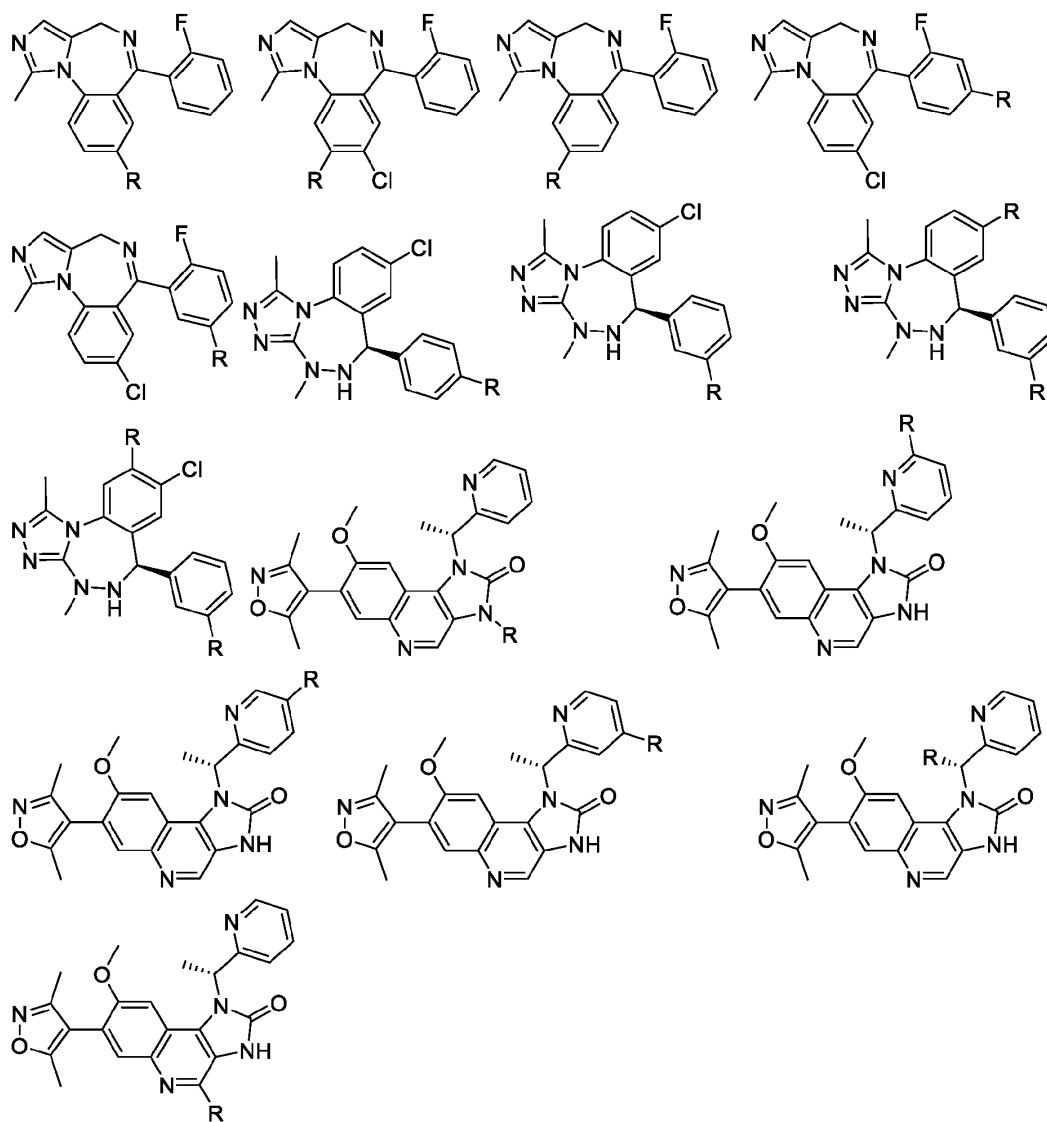


FIG. 8B

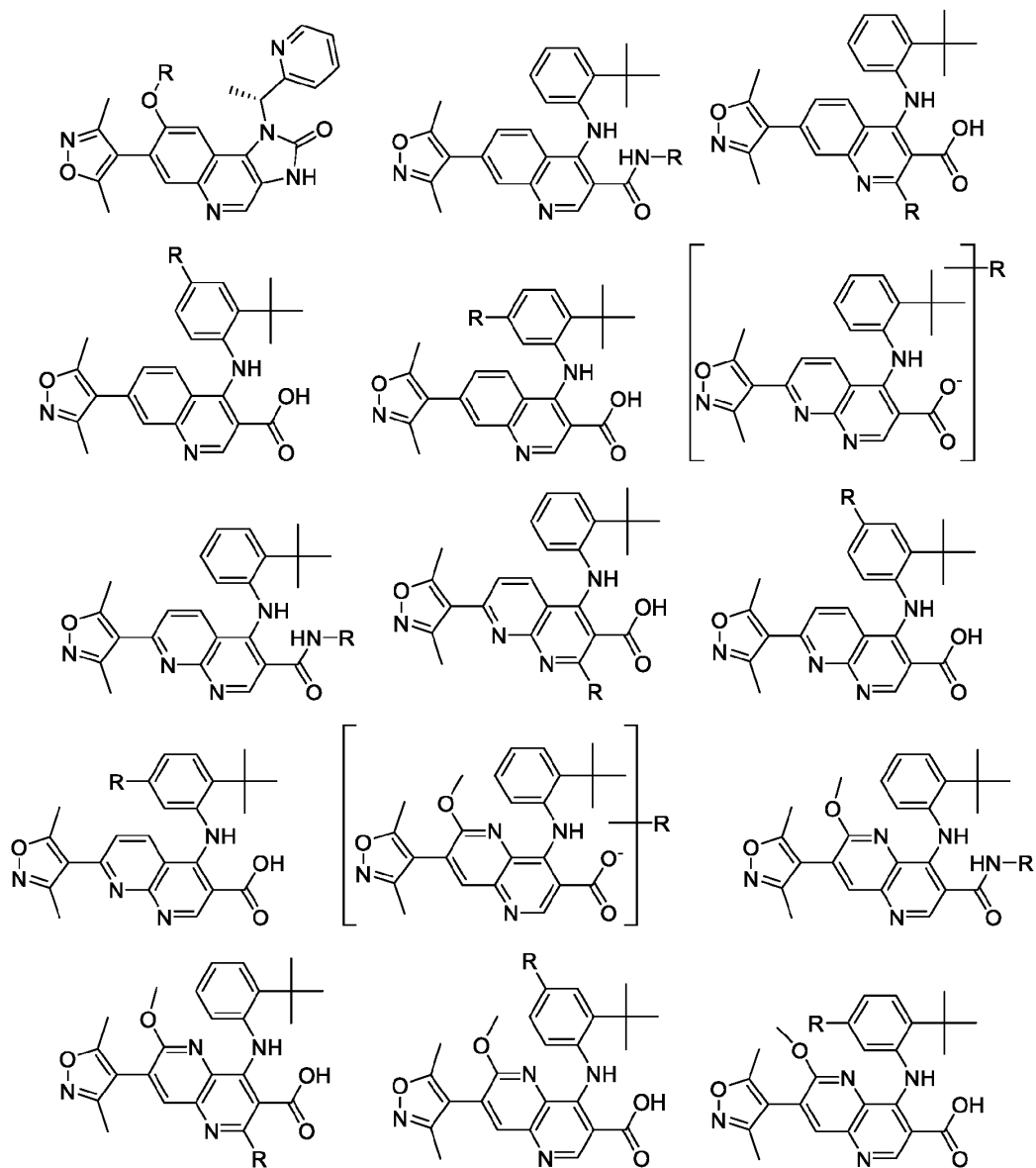




FIG. 8C

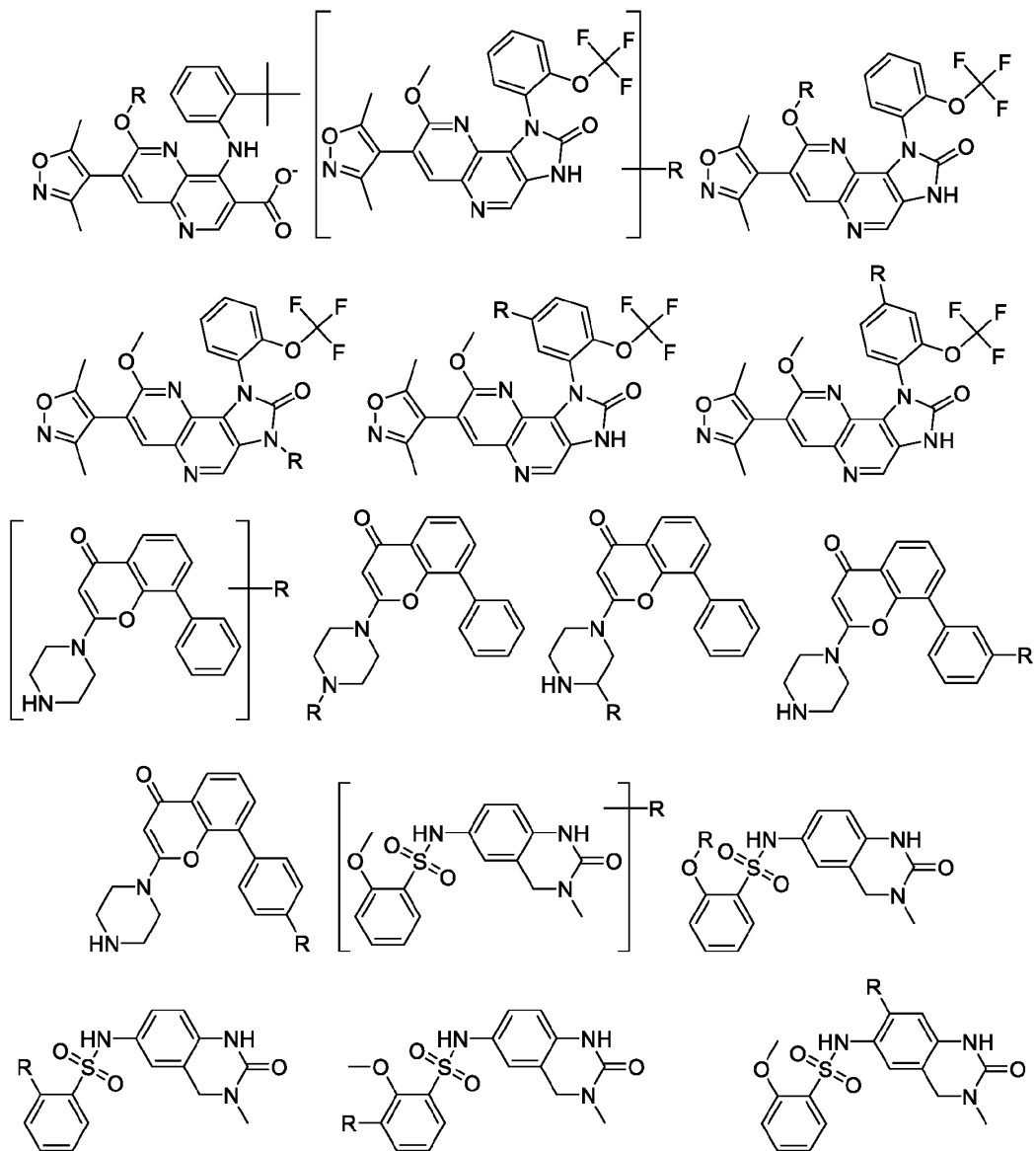


FIG. 8D

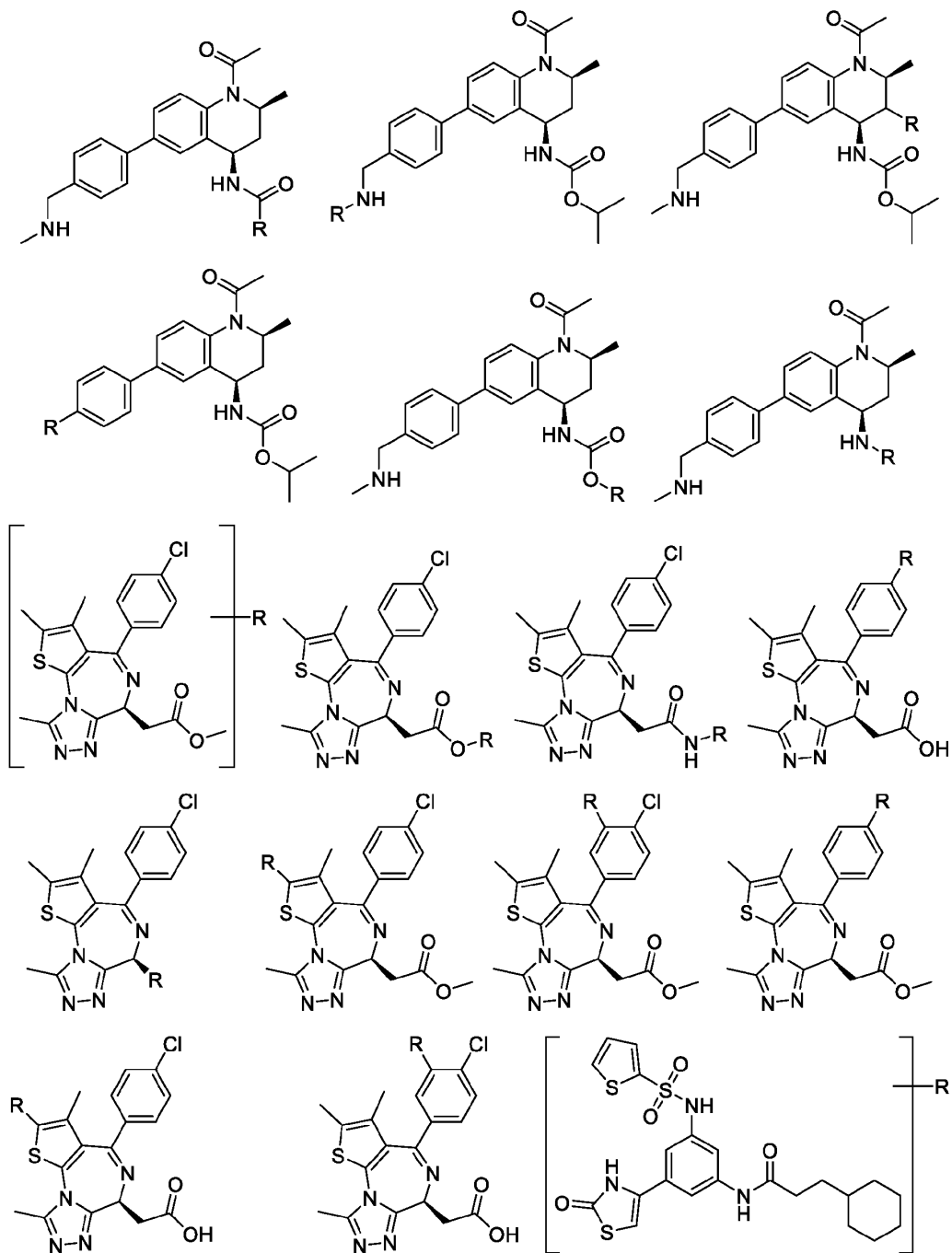


FIG. 8E

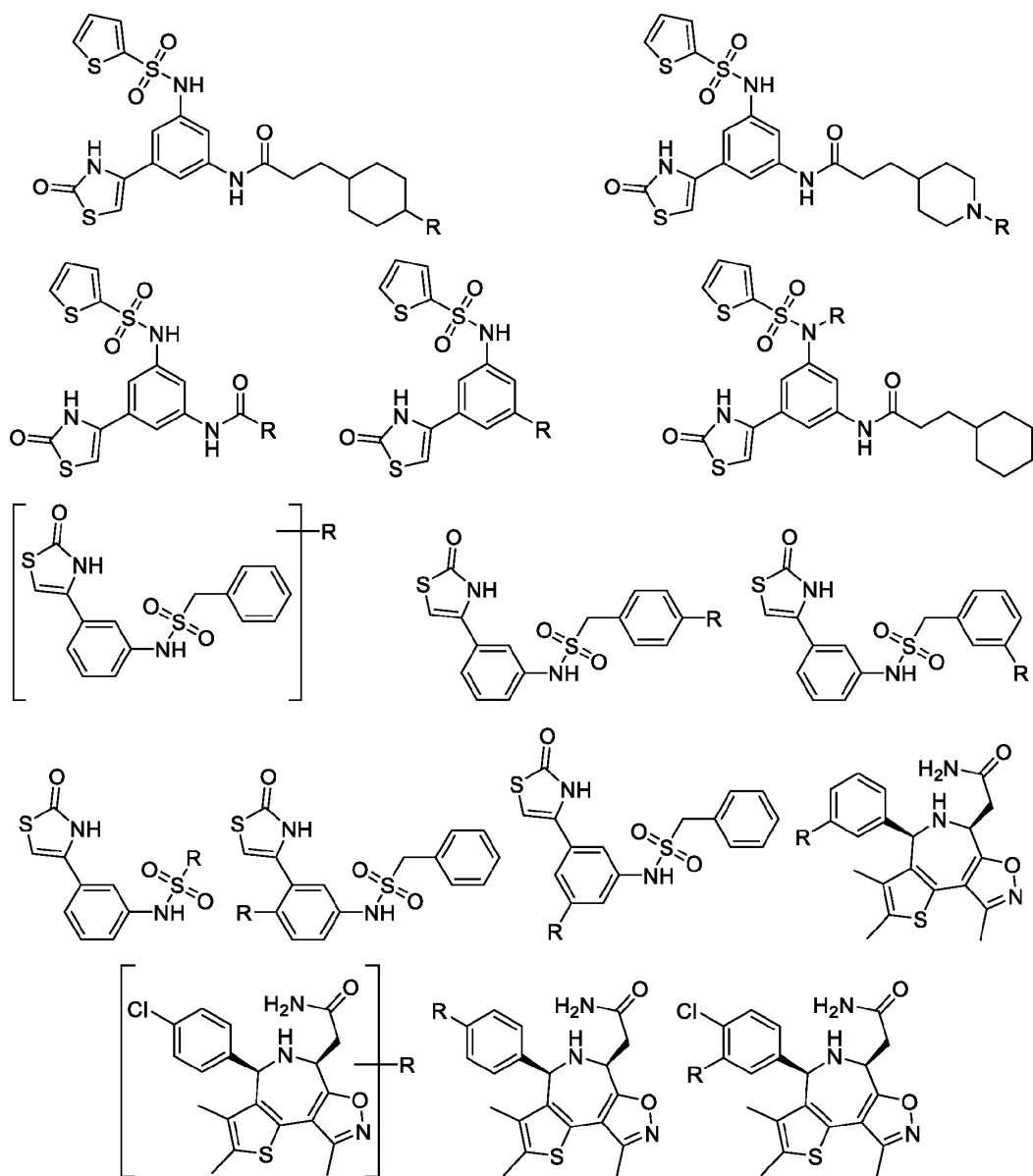


FIG. 8F

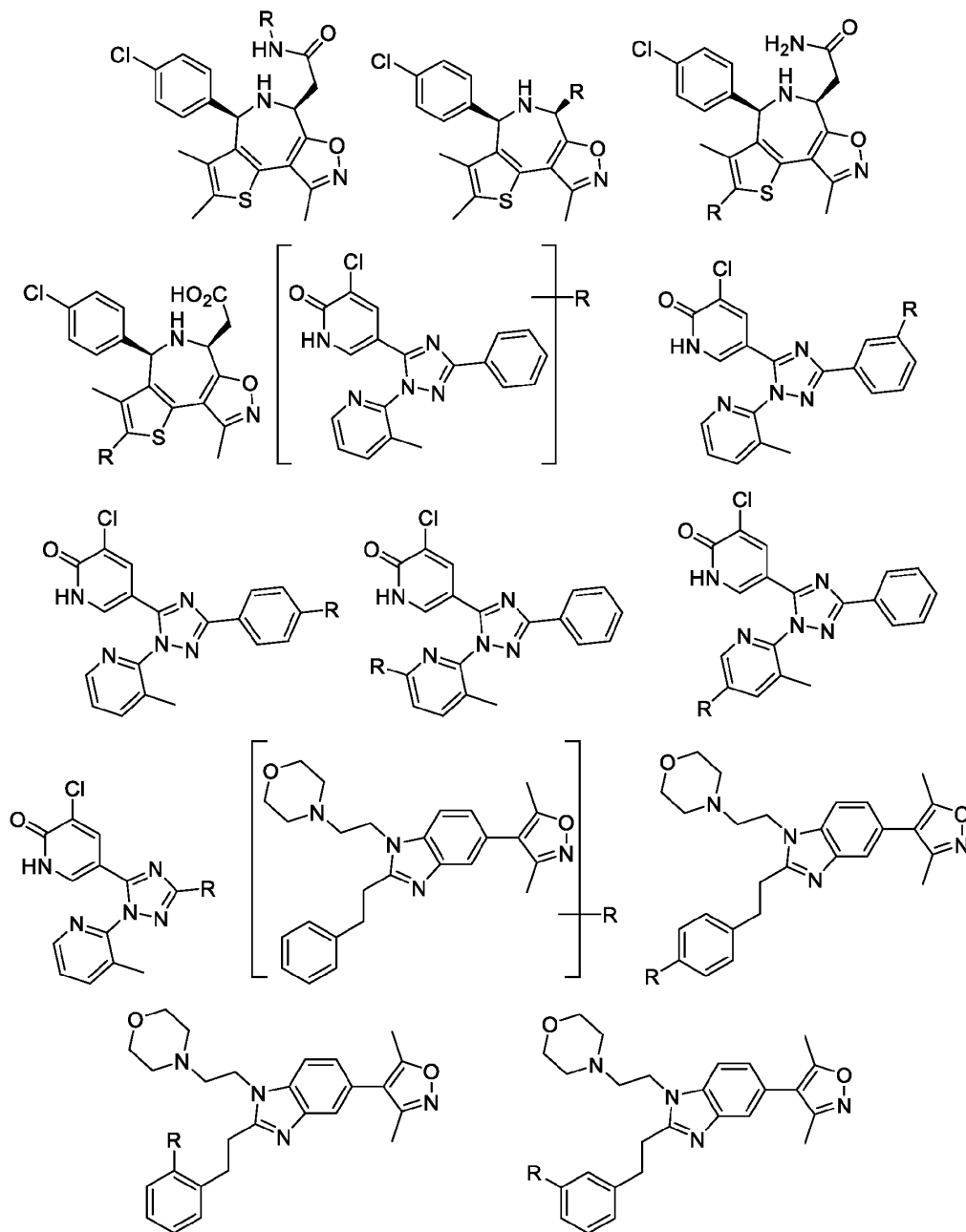


FIG. 8G

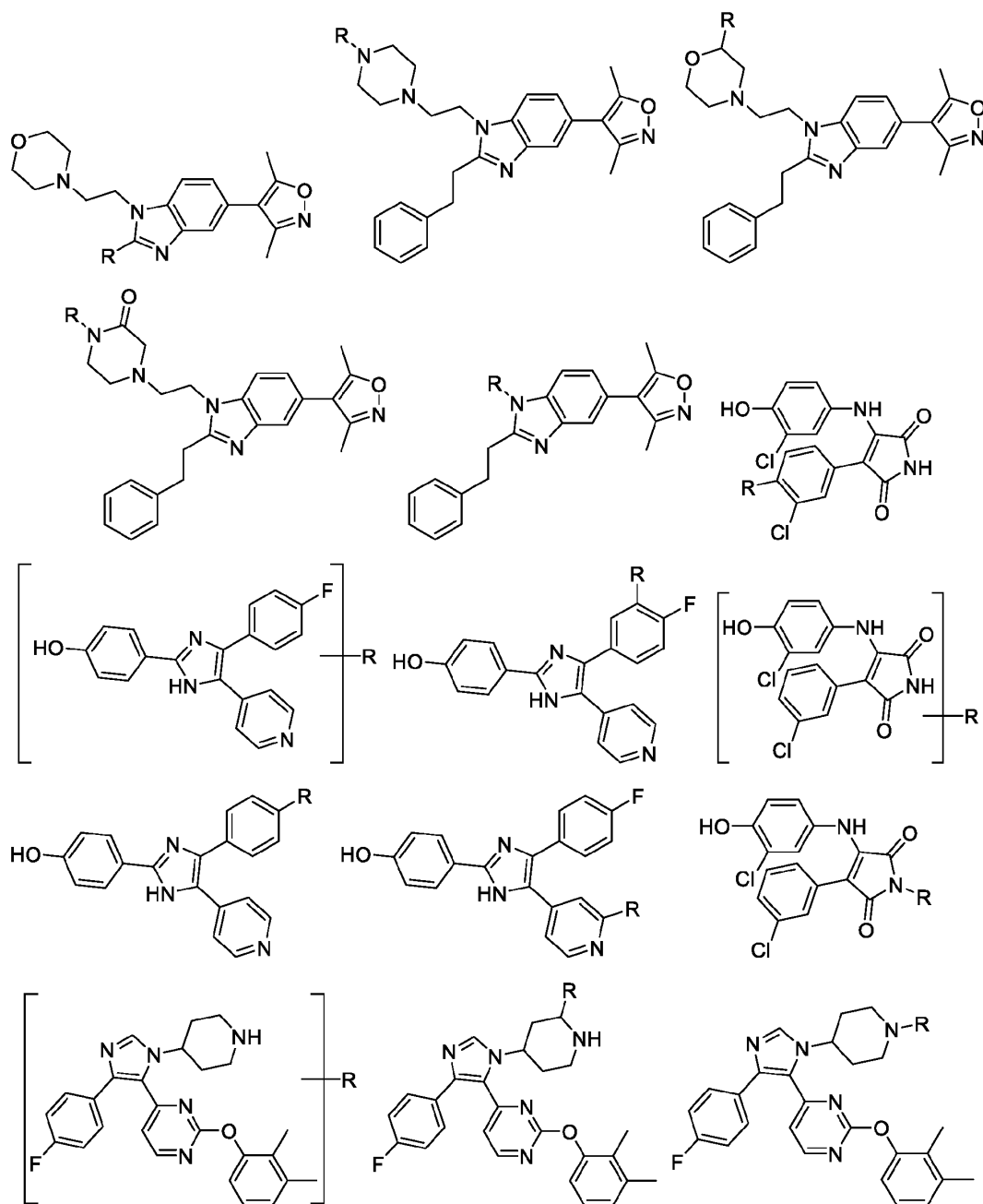


FIG. 8H

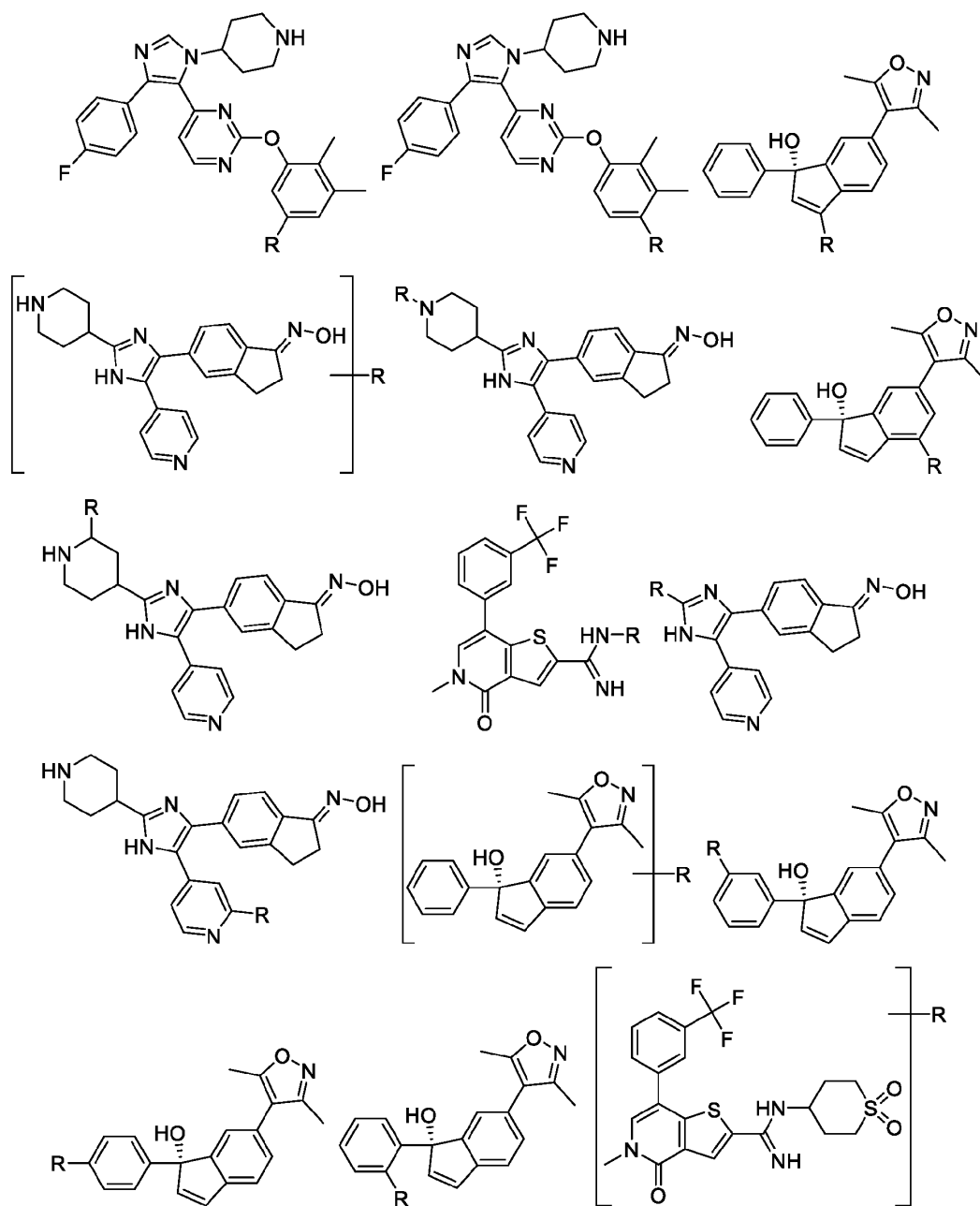


FIG. 8I

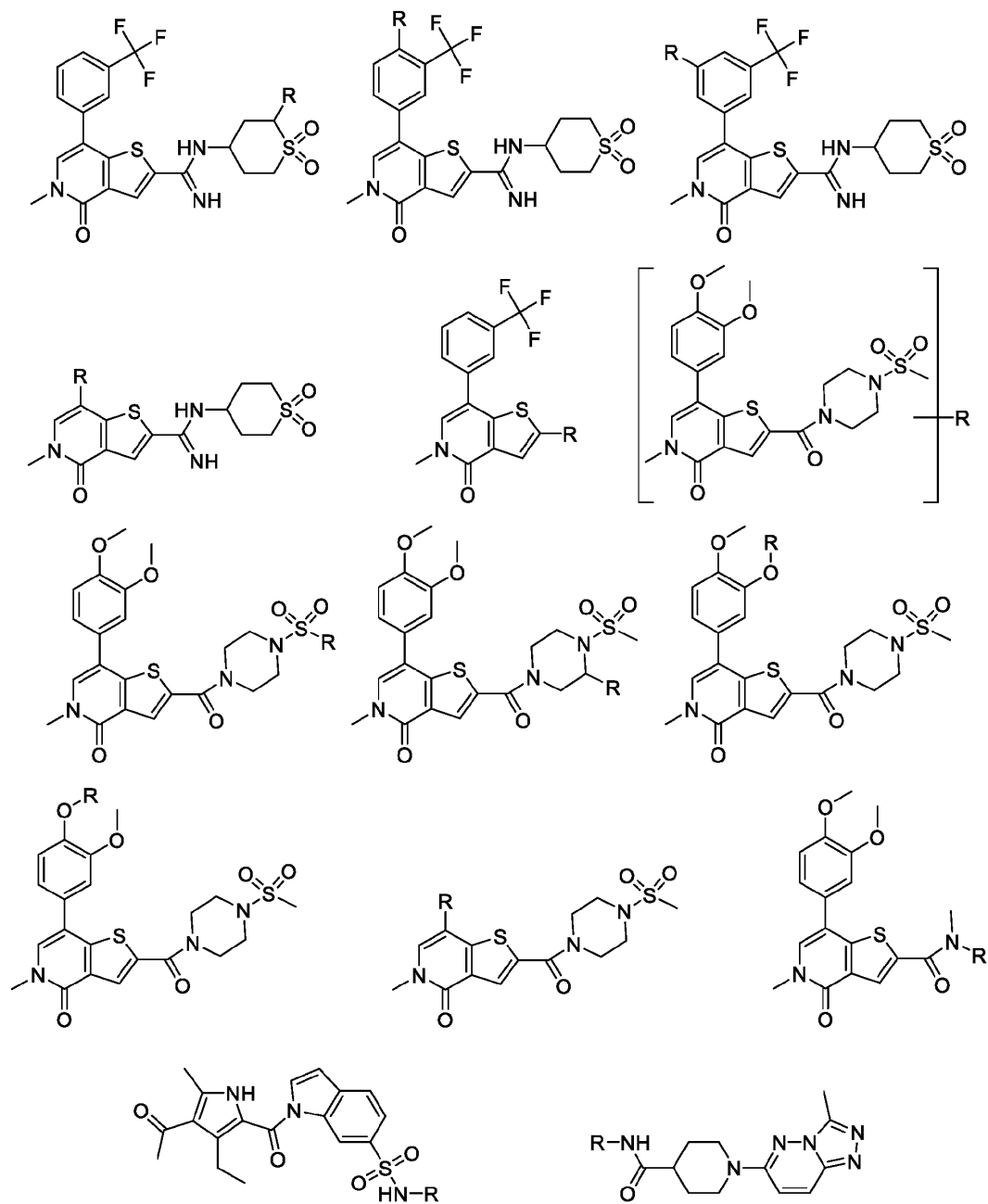


FIG. 8J

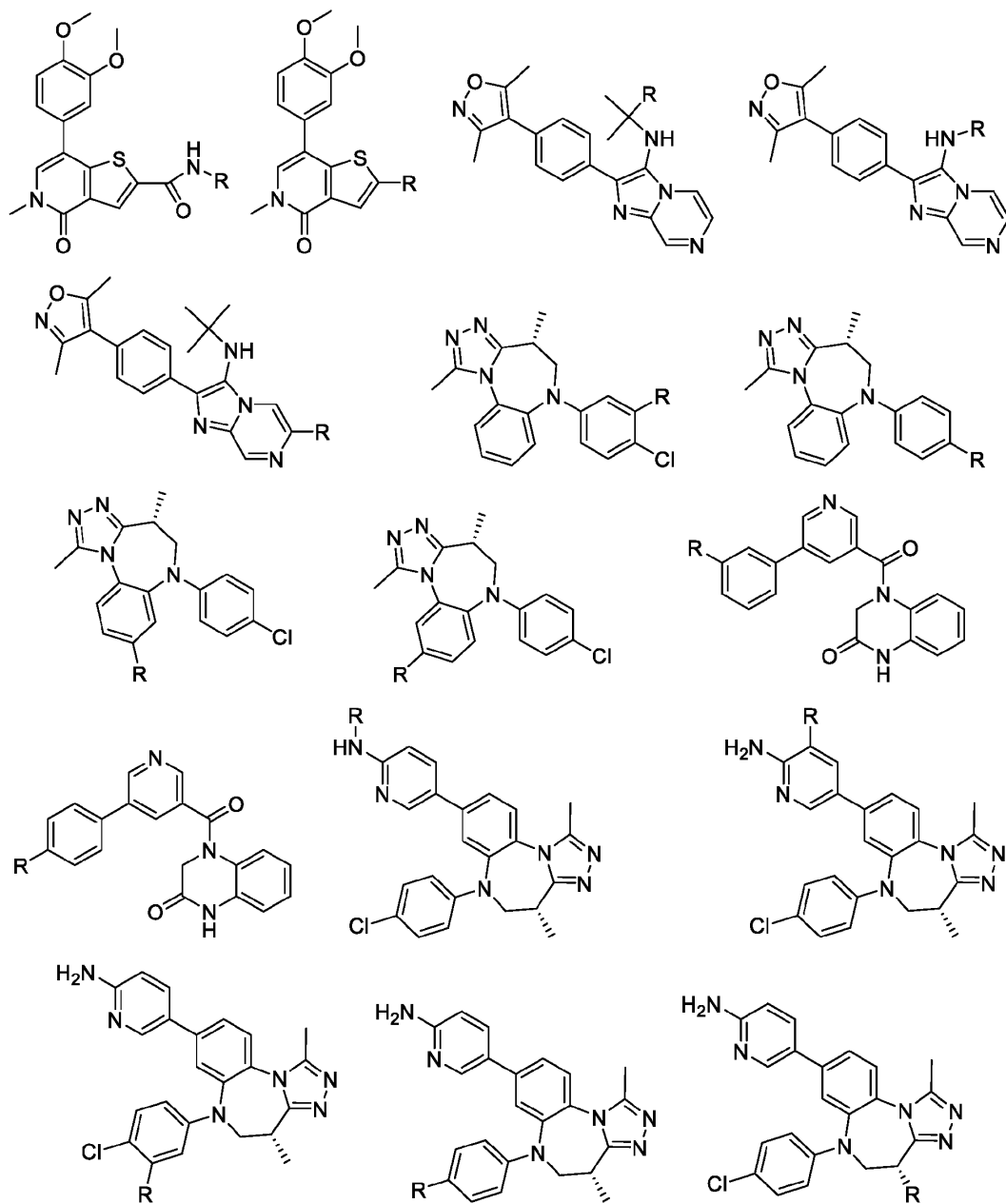




FIG. 8K

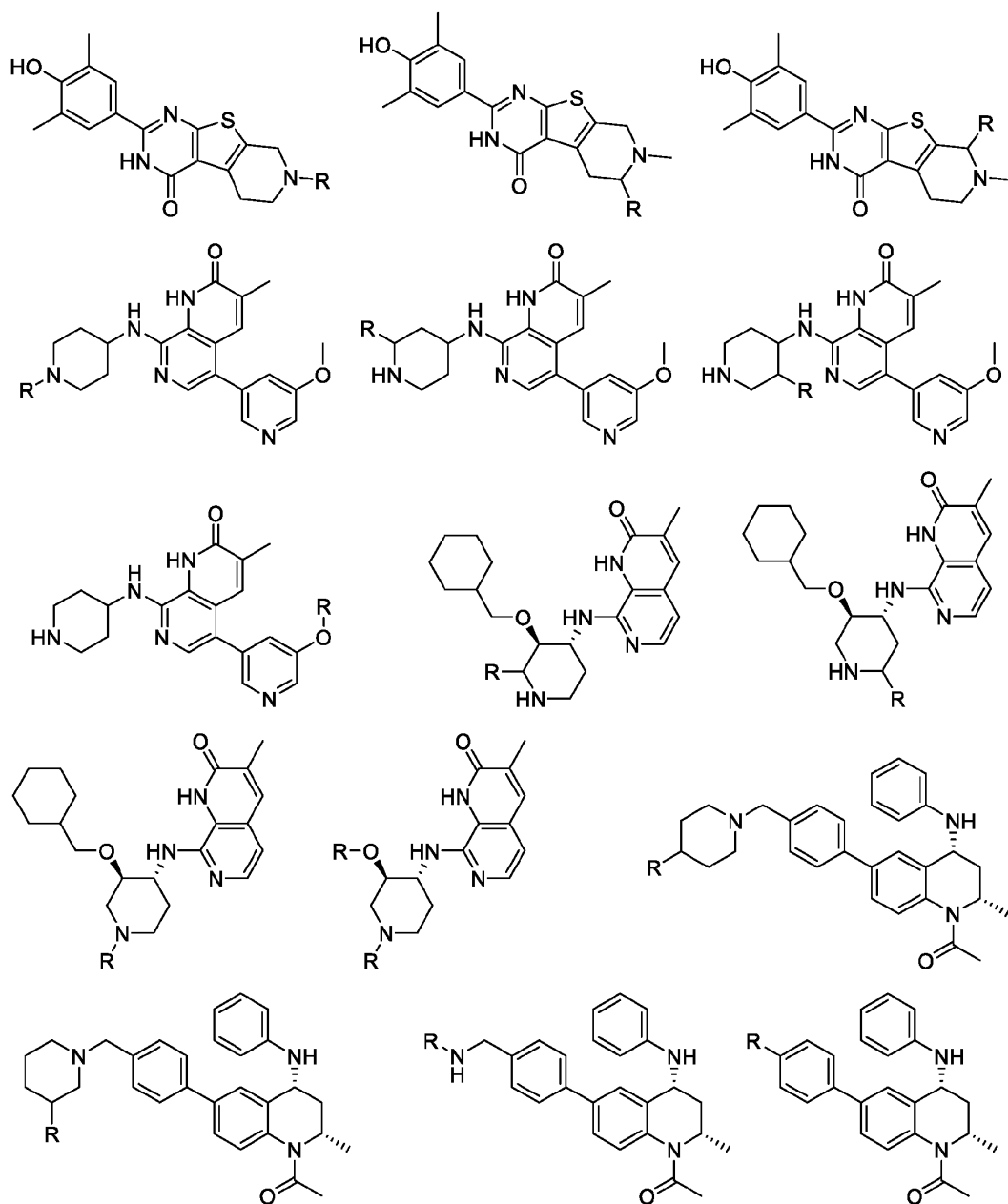


FIG. 8L

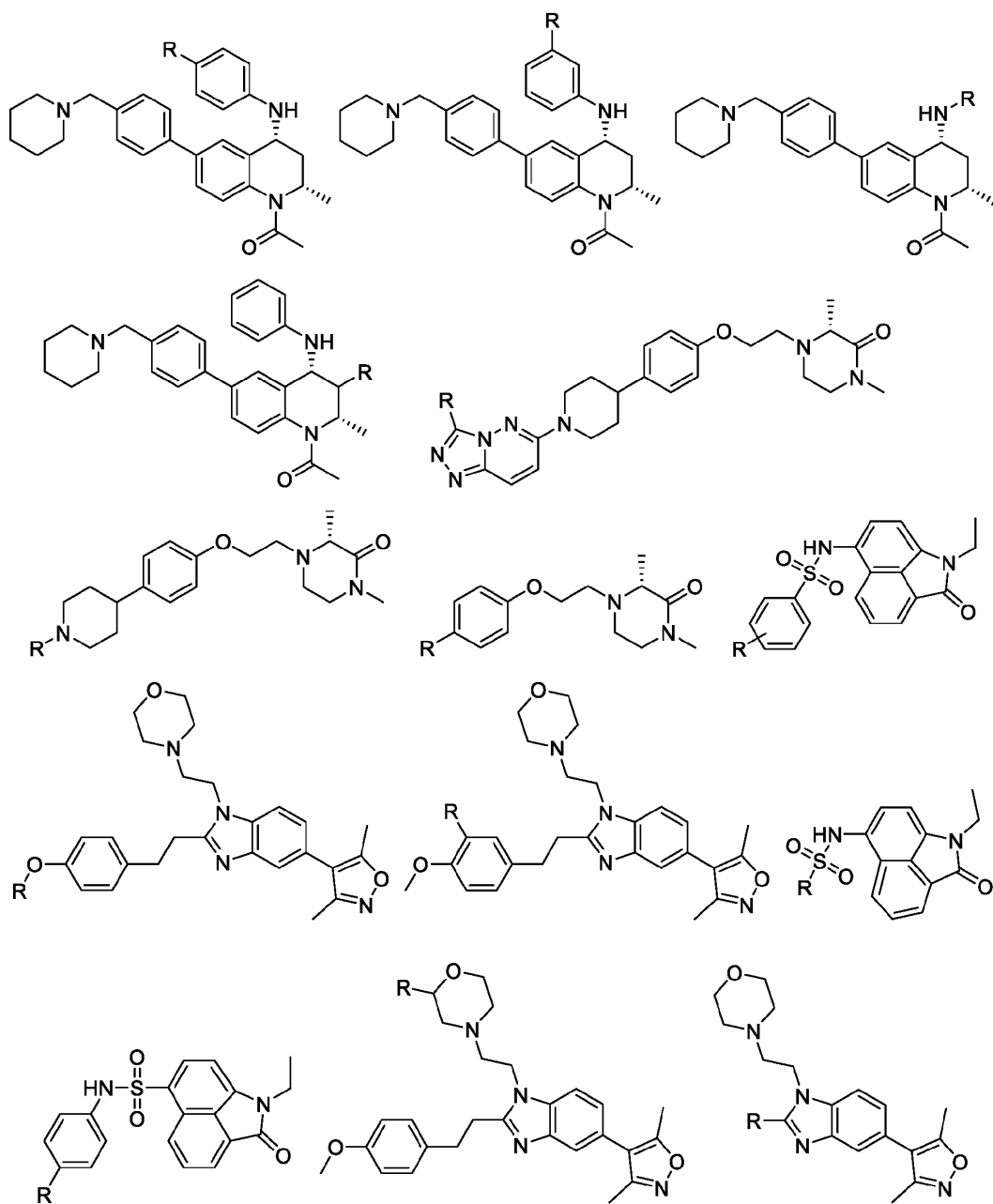


FIG. 8M

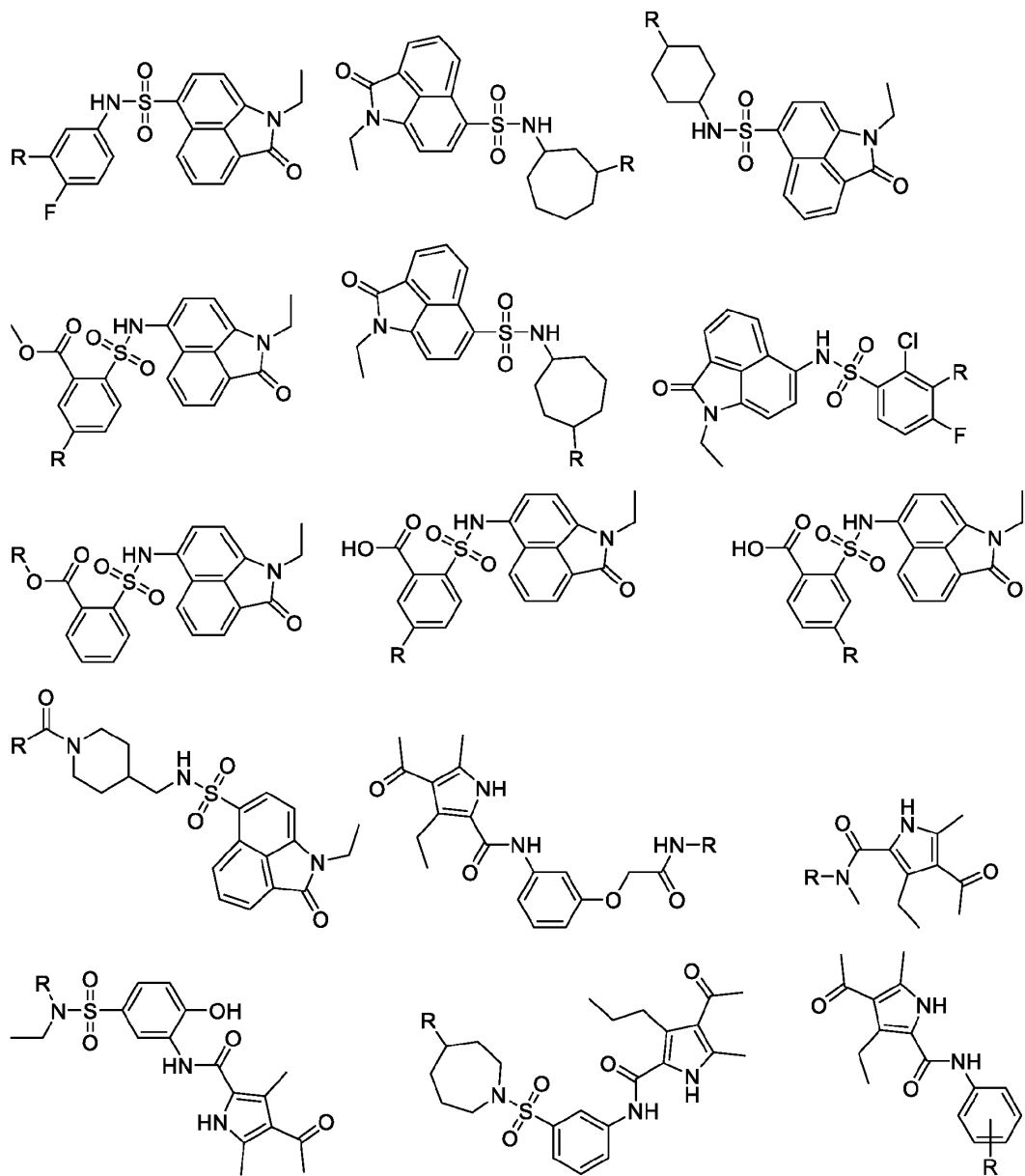


FIG. 8N

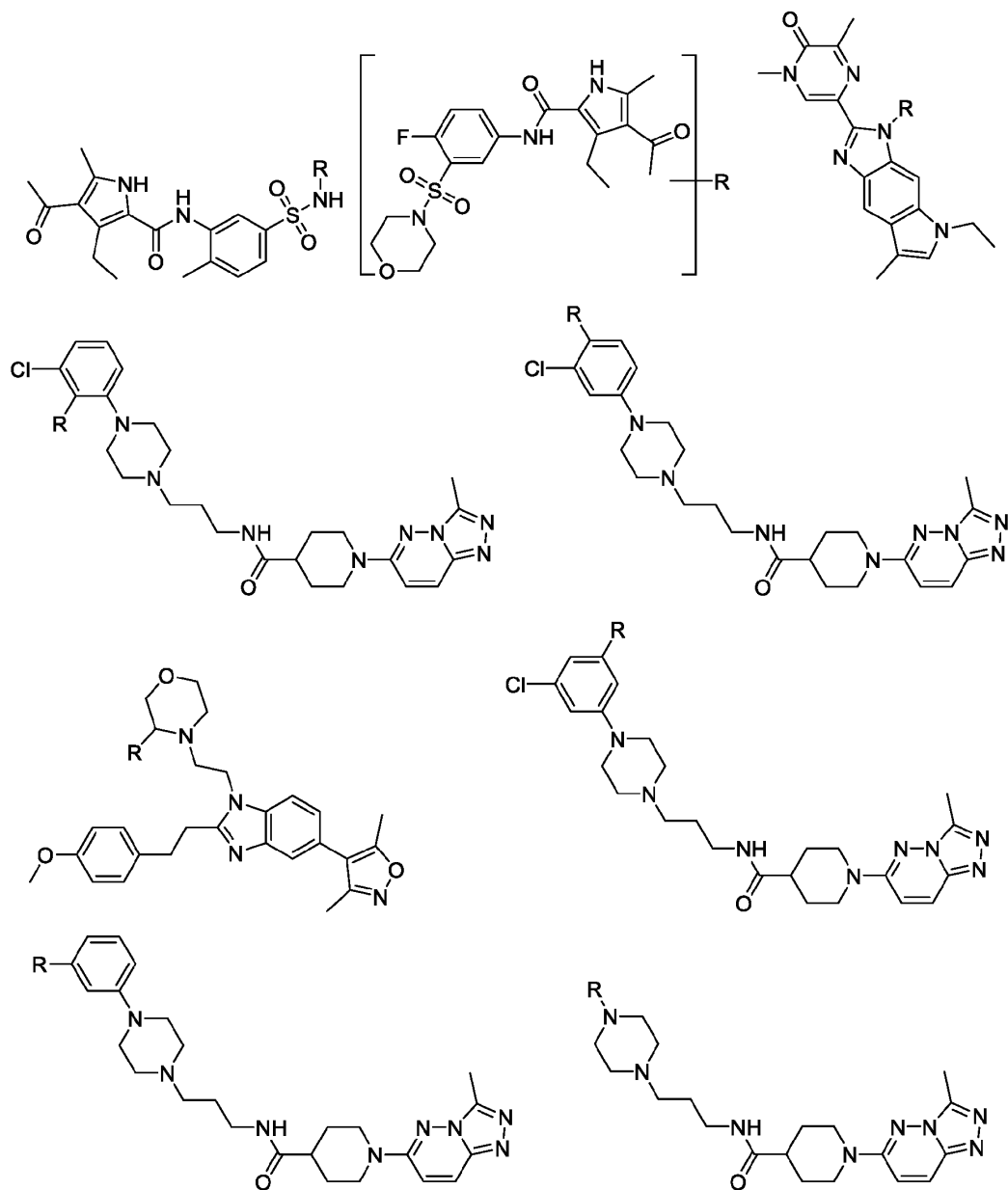


FIG. 80

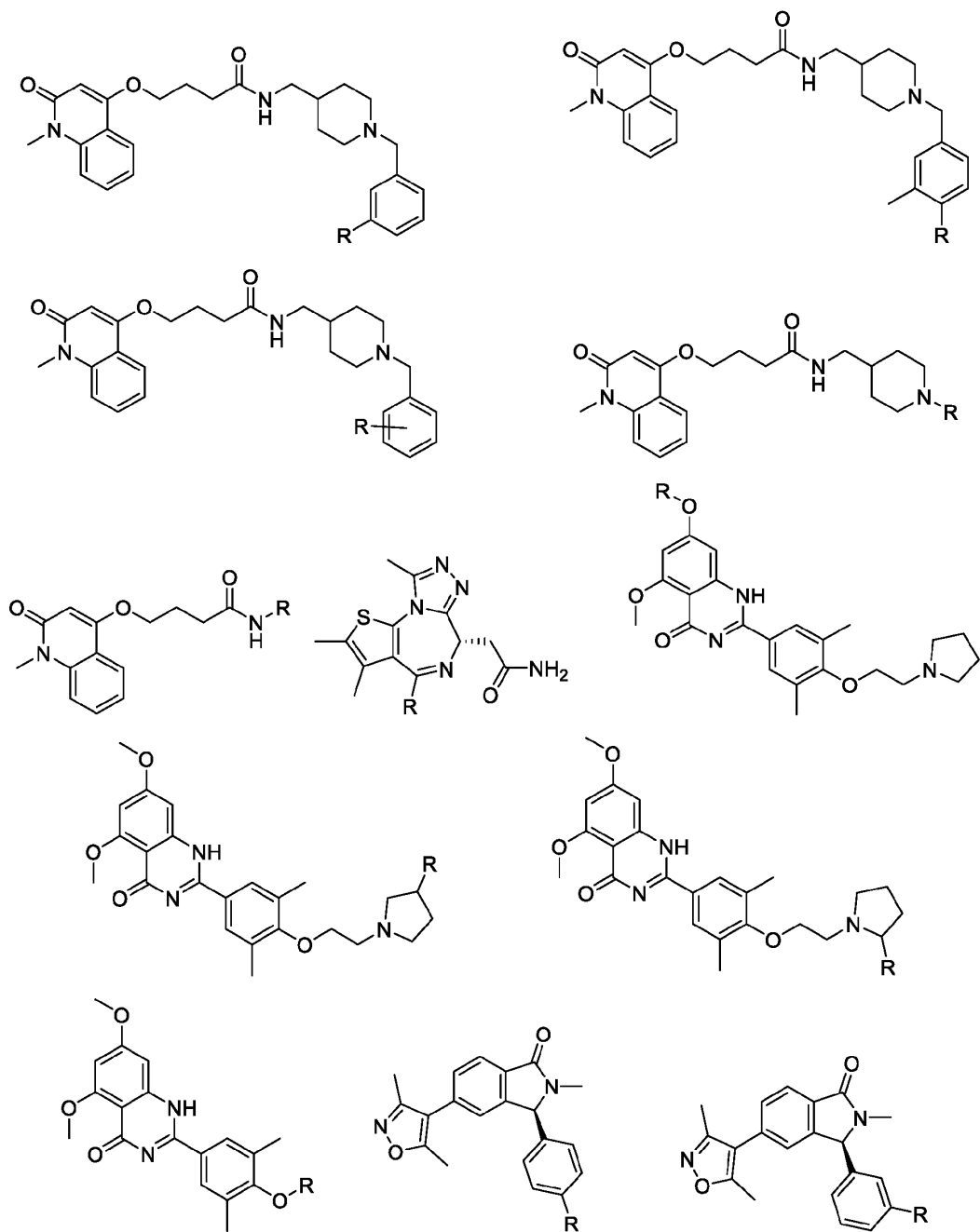


FIG. 8P

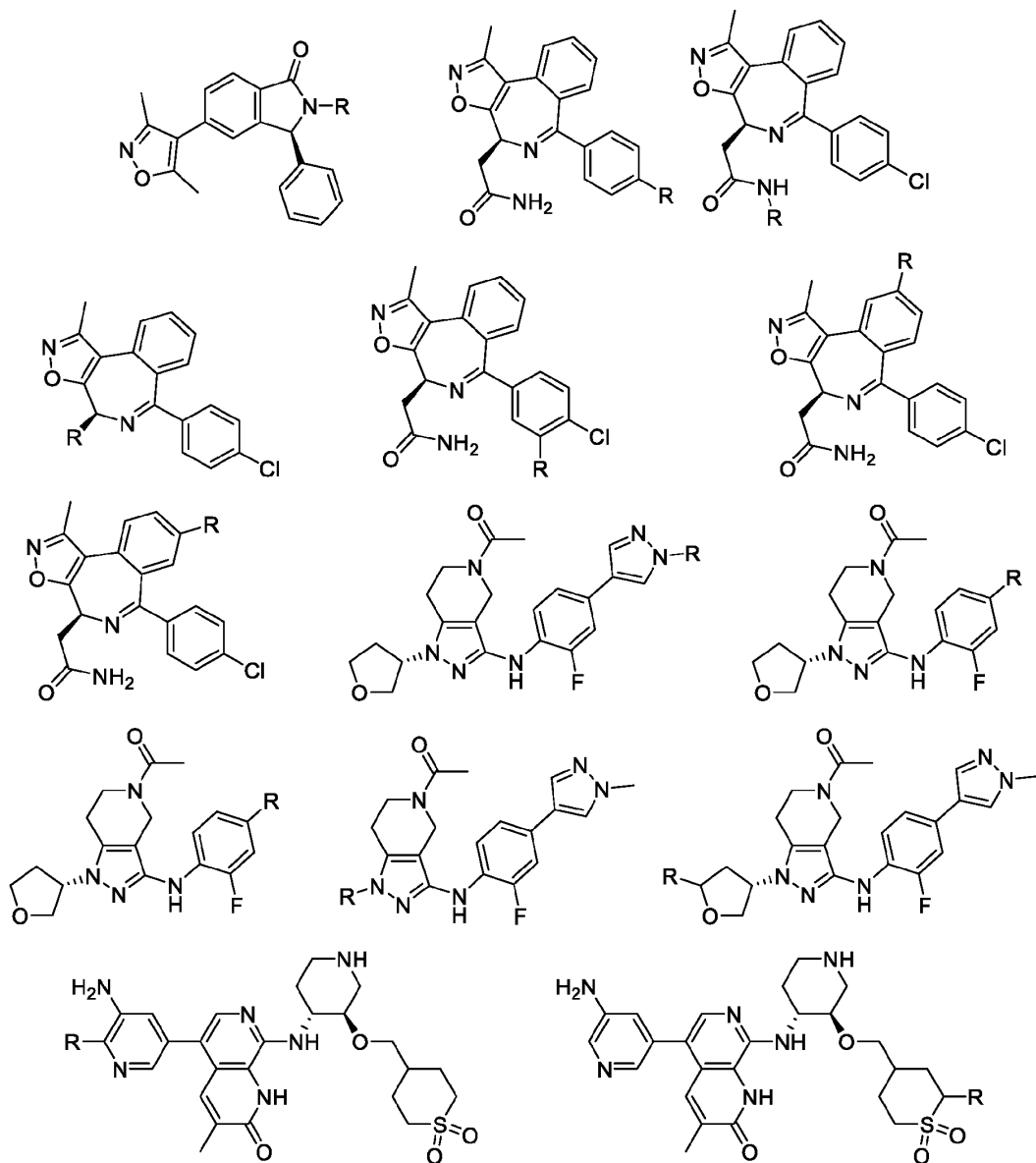


FIG. 8Q

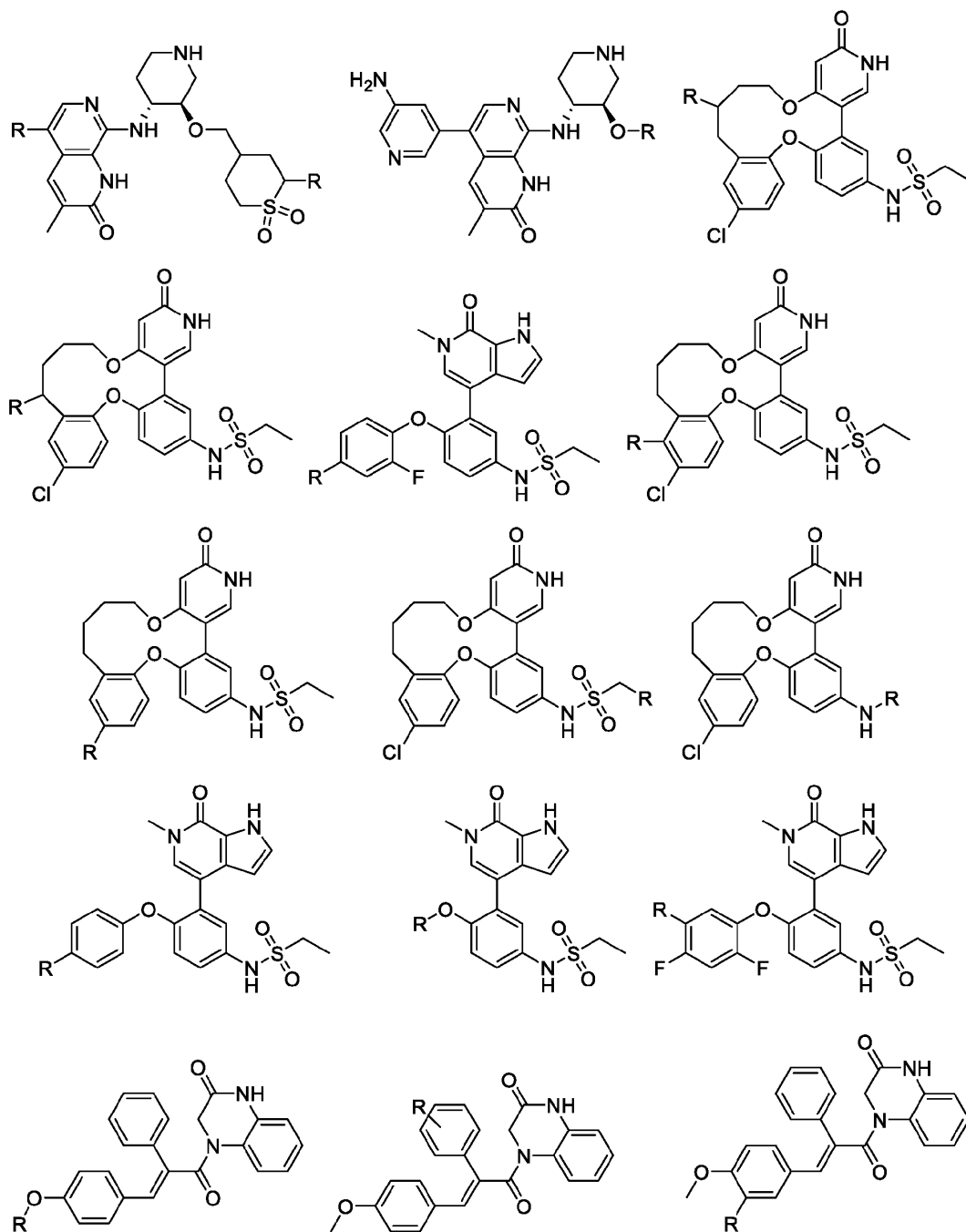


FIG. 8R

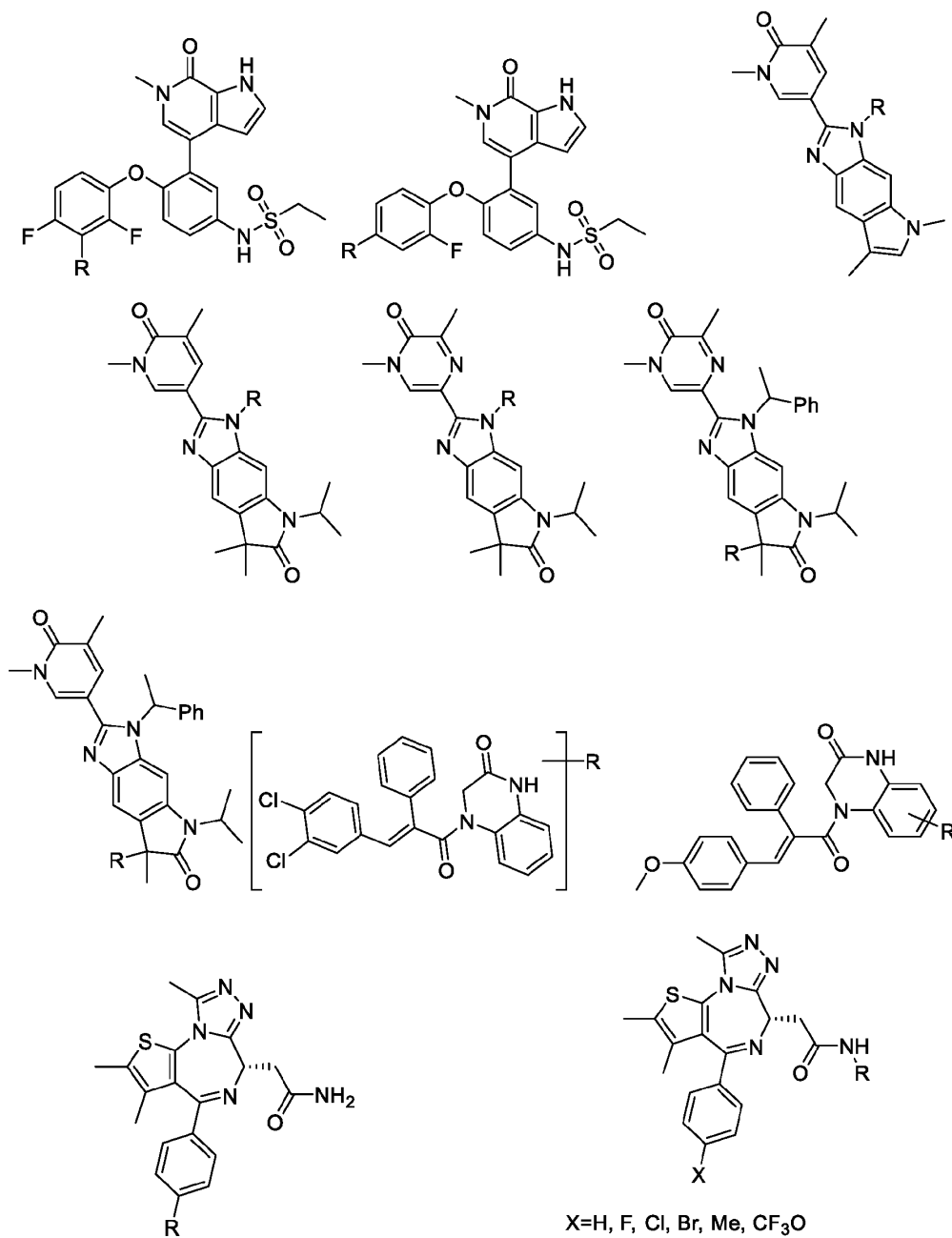




FIG. 8S

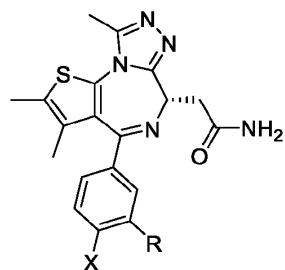
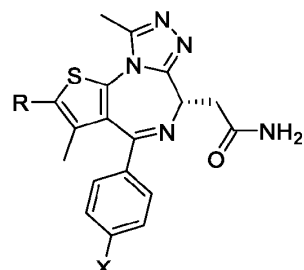
X=H, F, Cl, Br, Me, CF<sub>3</sub>OX=H, F, Cl, Br, Me, CF<sub>3</sub>O

FIG. 8T

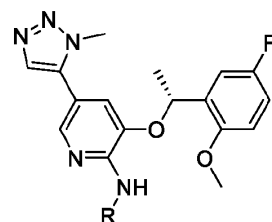
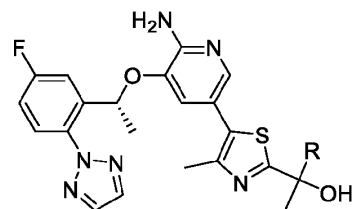
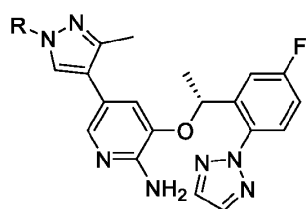
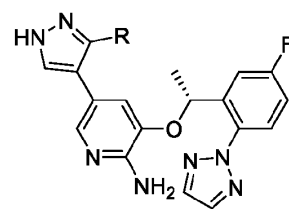
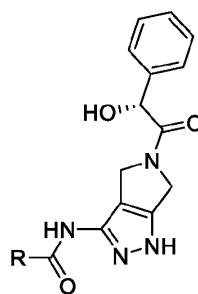
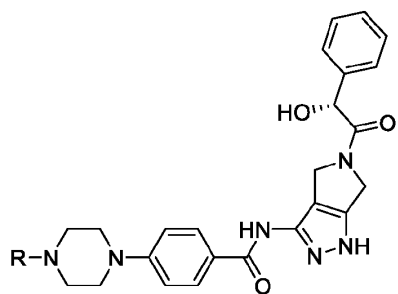
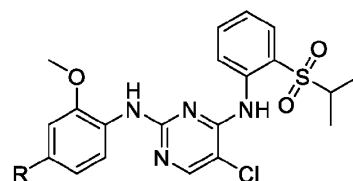
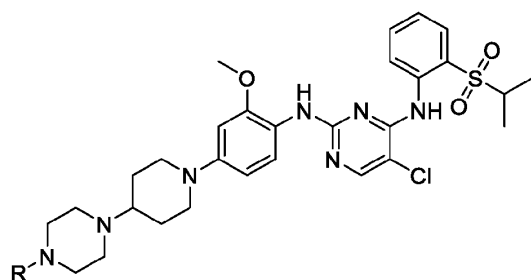


FIG. 8U

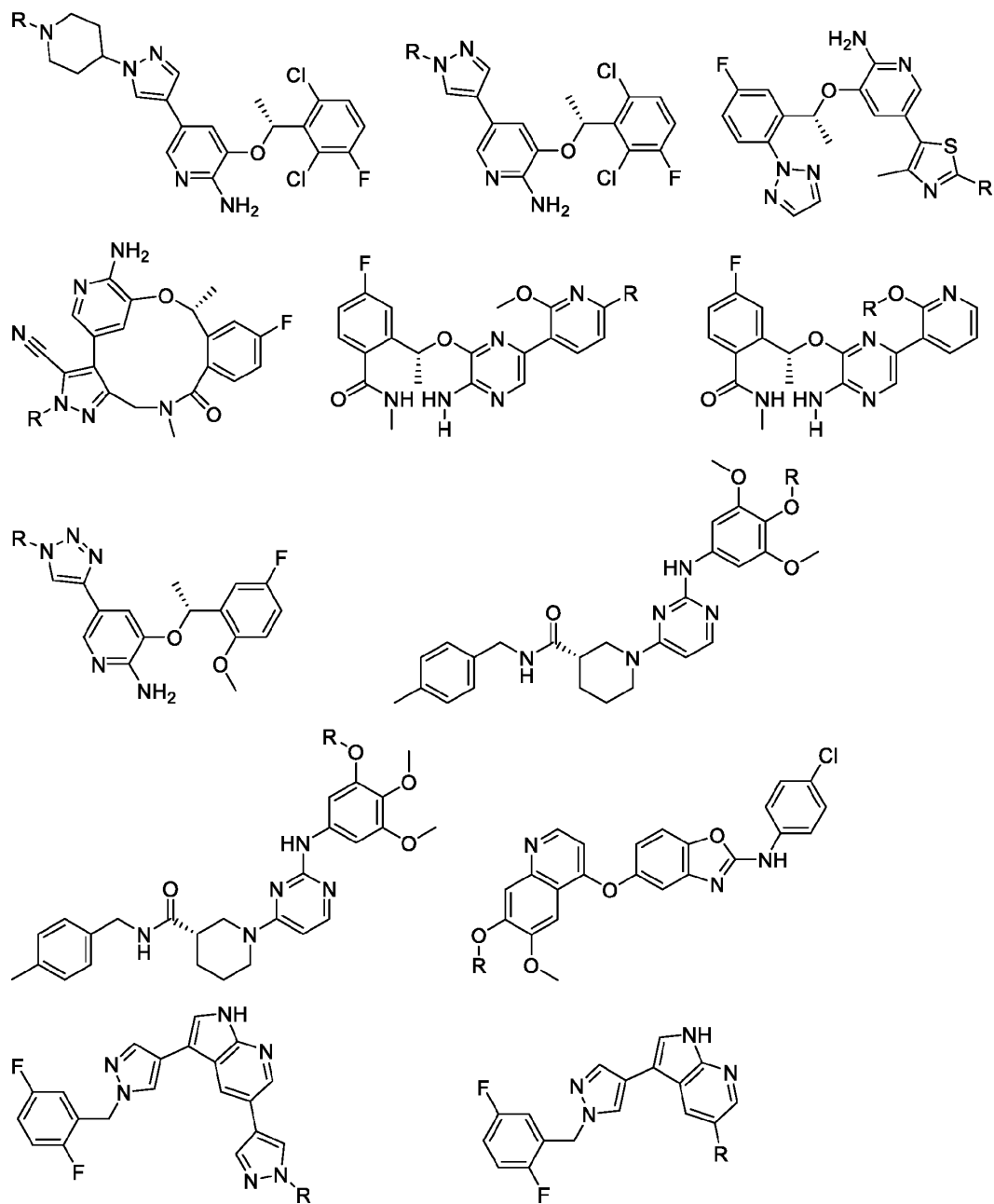


FIG. 8V

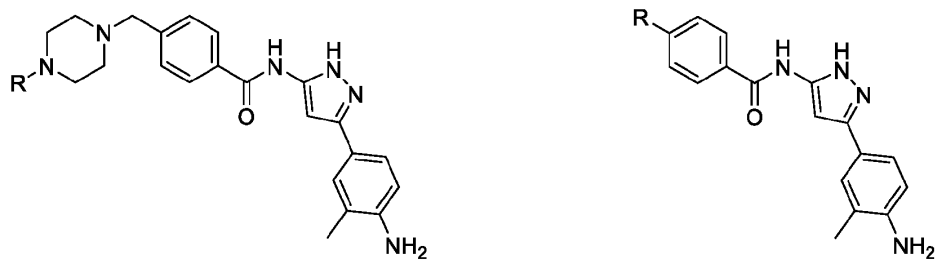


FIG. 8W

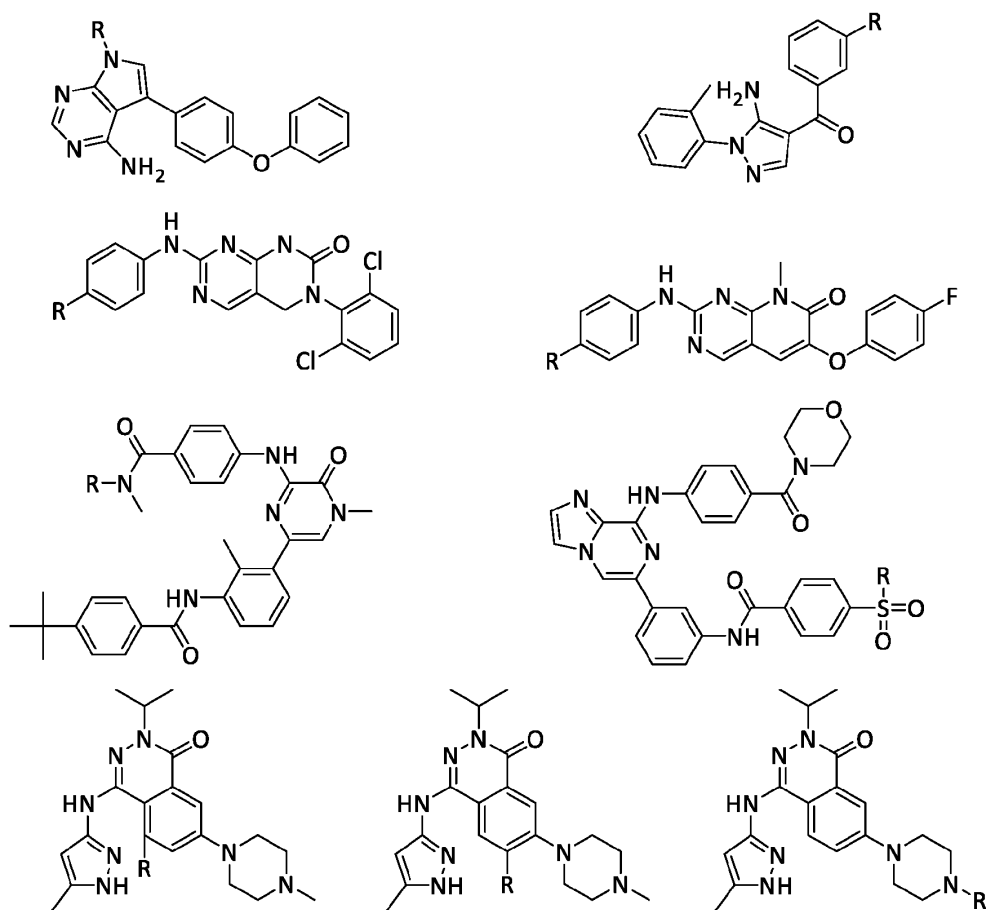


FIG. 8X

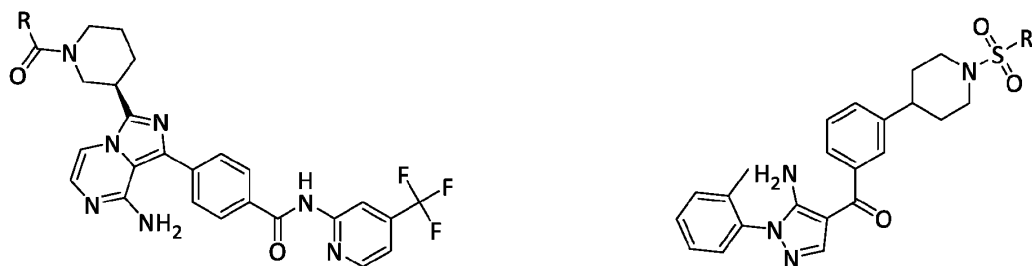


FIG. 8Y

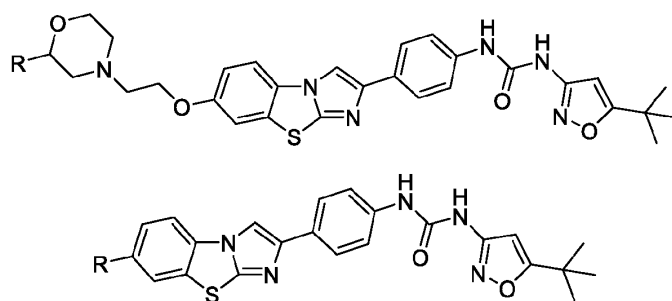


FIG. 8Z

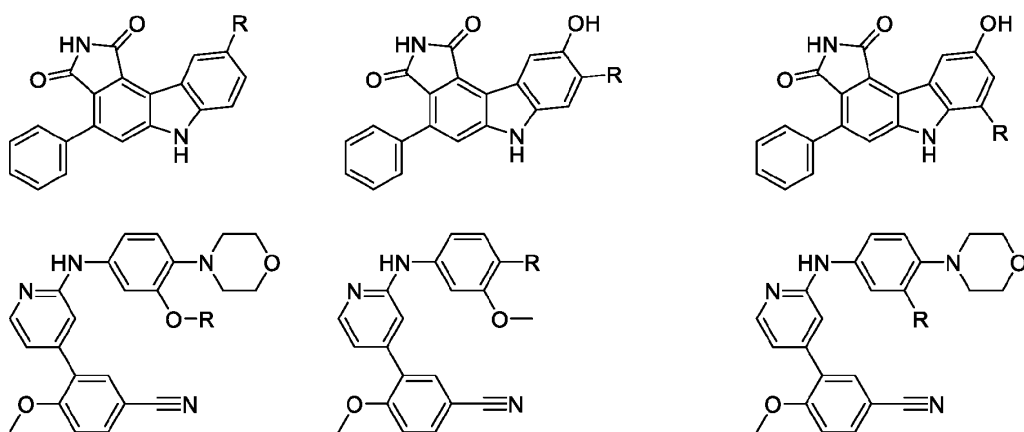


FIG. 8AA

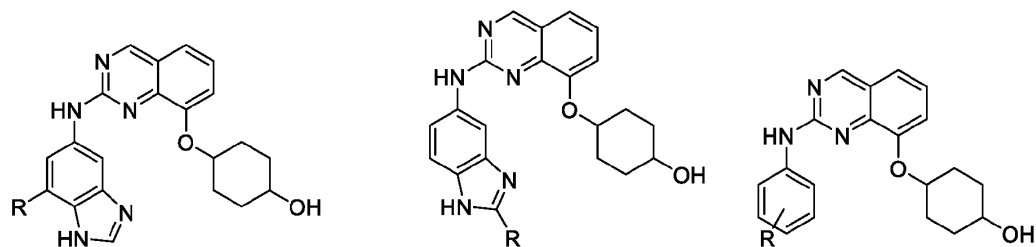


FIG. 8BB

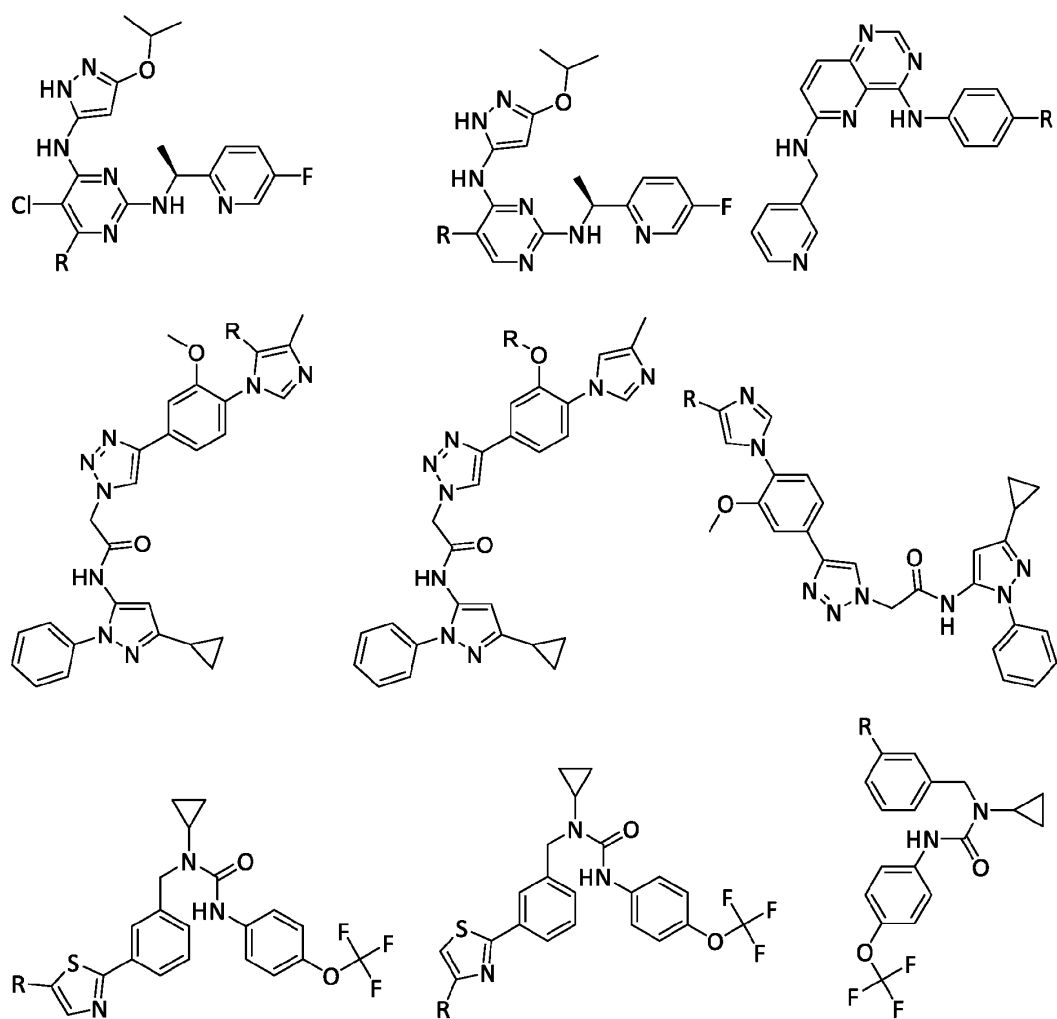


FIG. 8CC

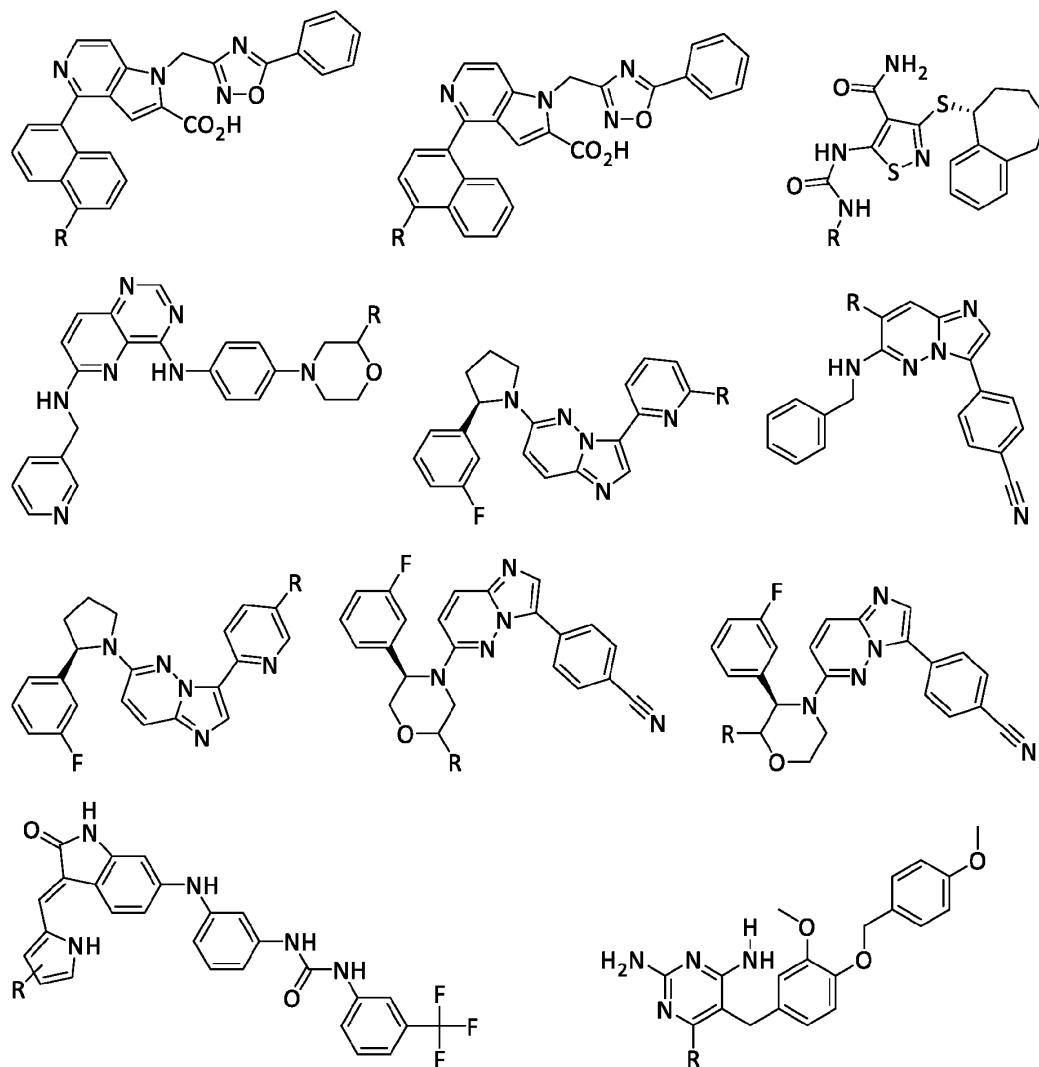


FIG. 8DD

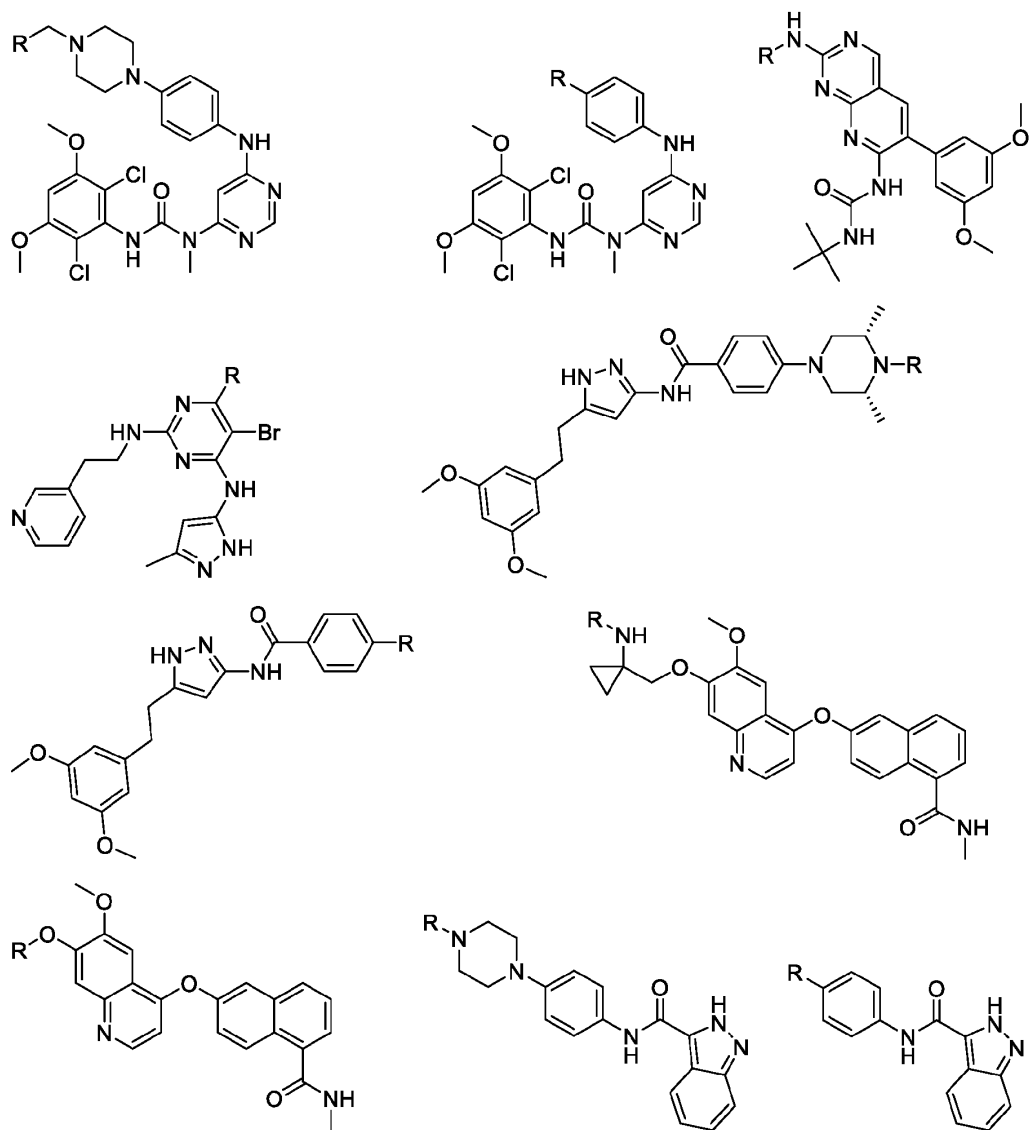


FIG. 8EE

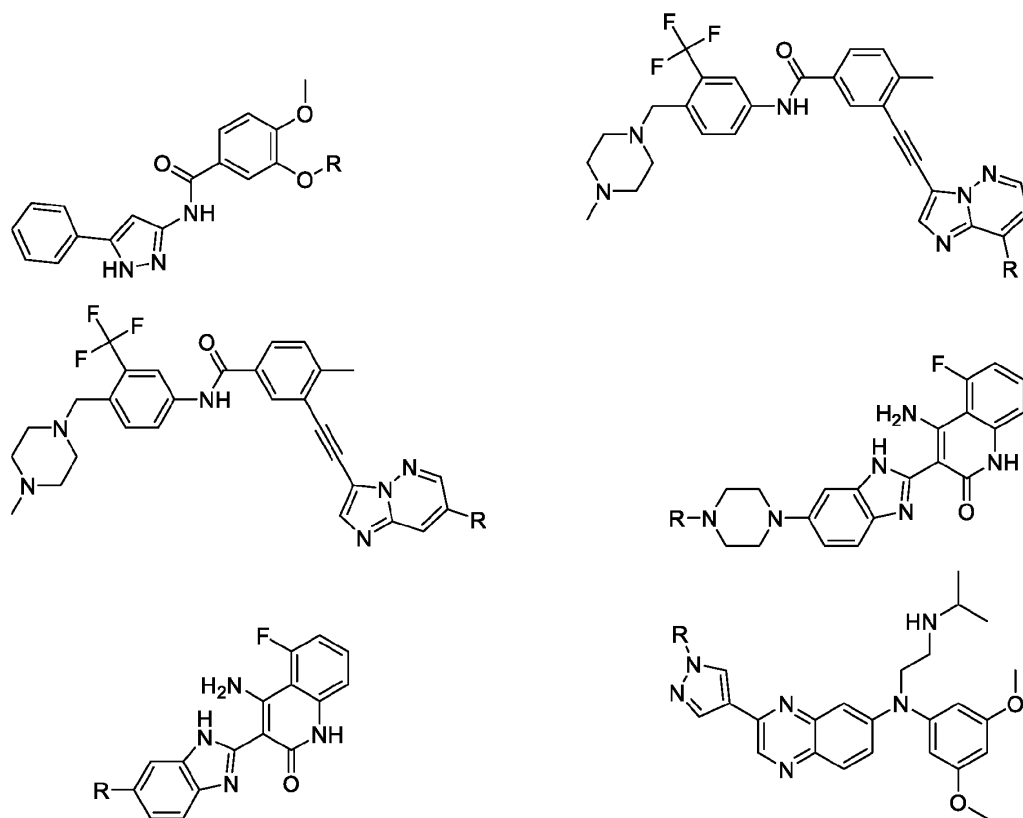


FIG. 8FF

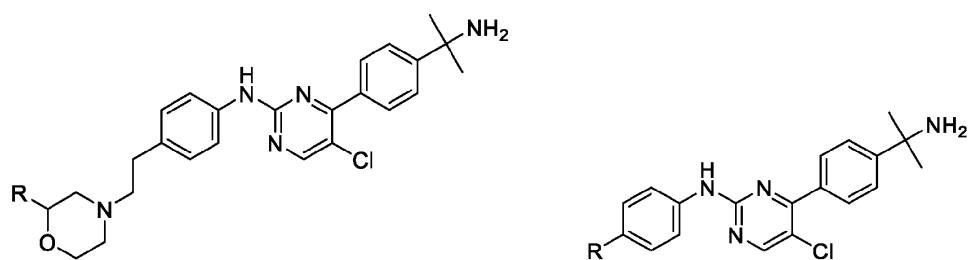




FIG. 8GG

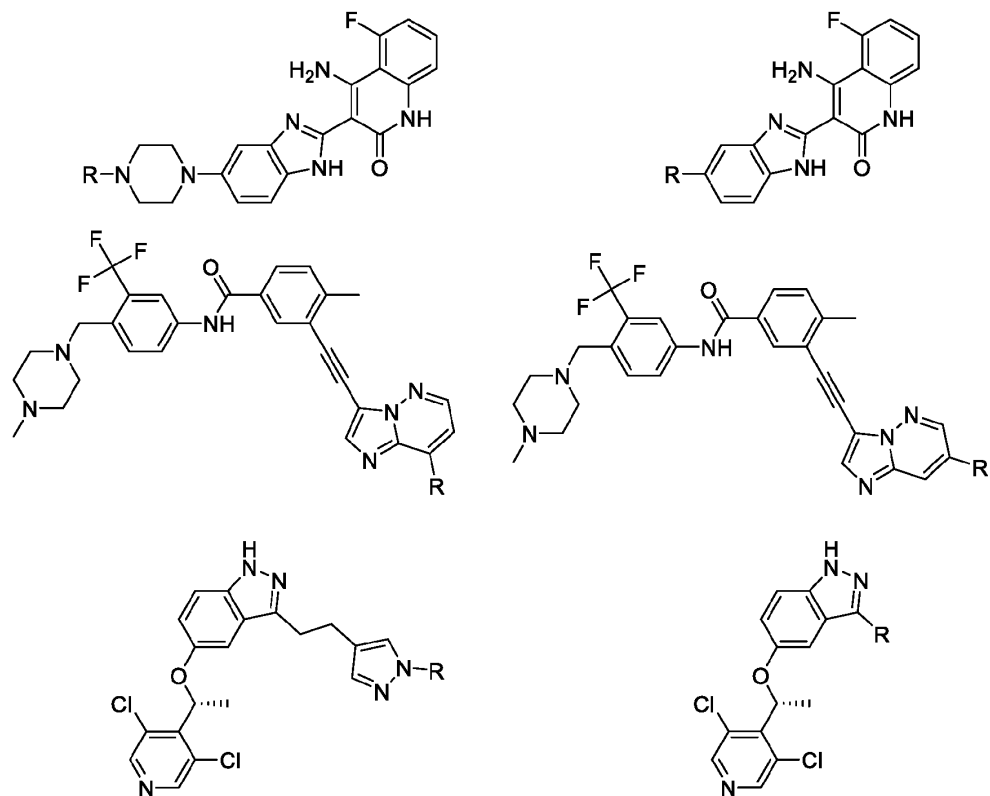


FIG. 8HH

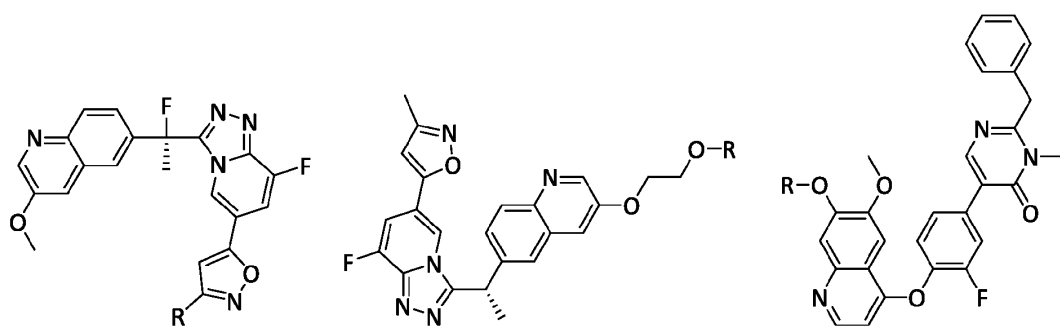


FIG. 8II

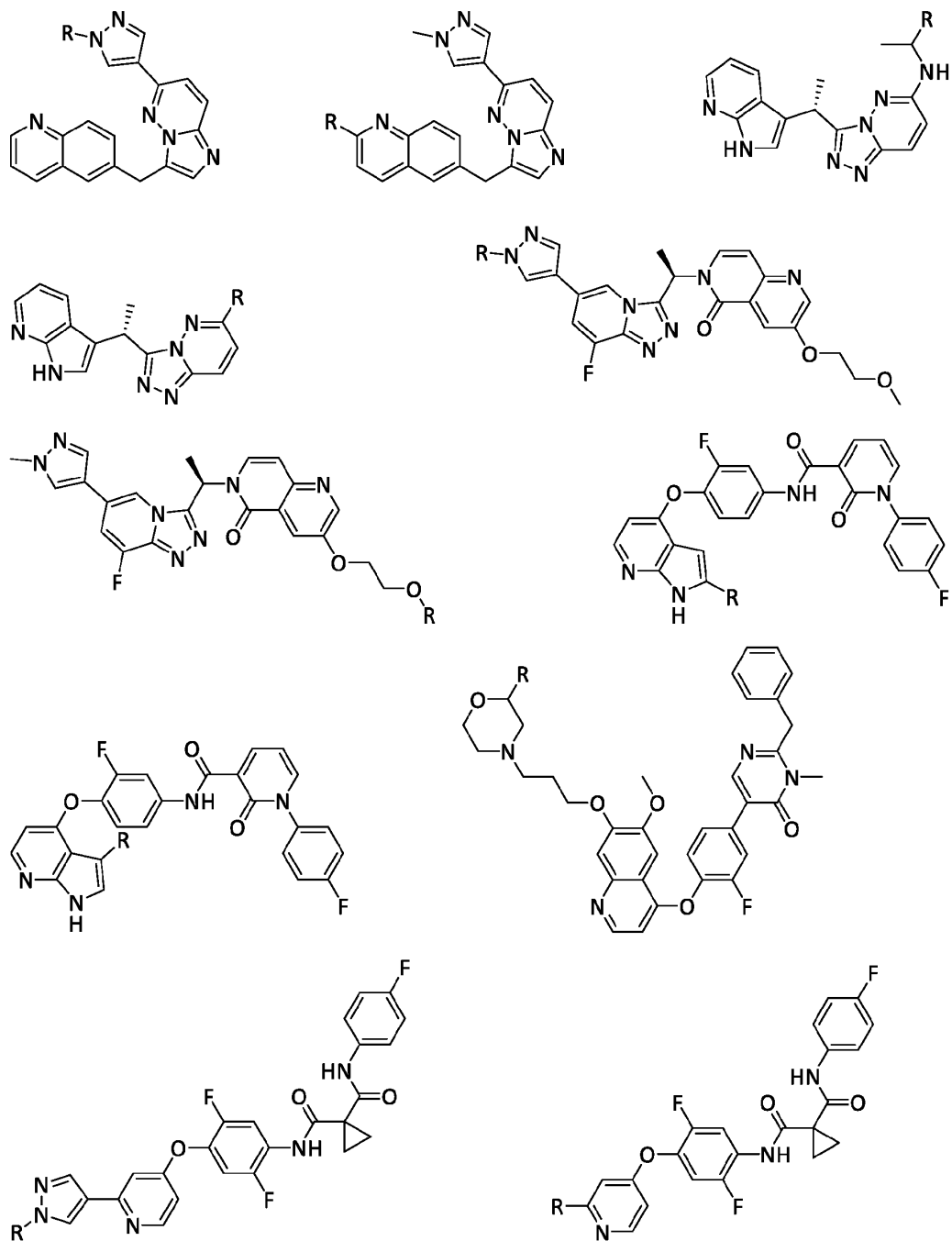


FIG. 8JJ

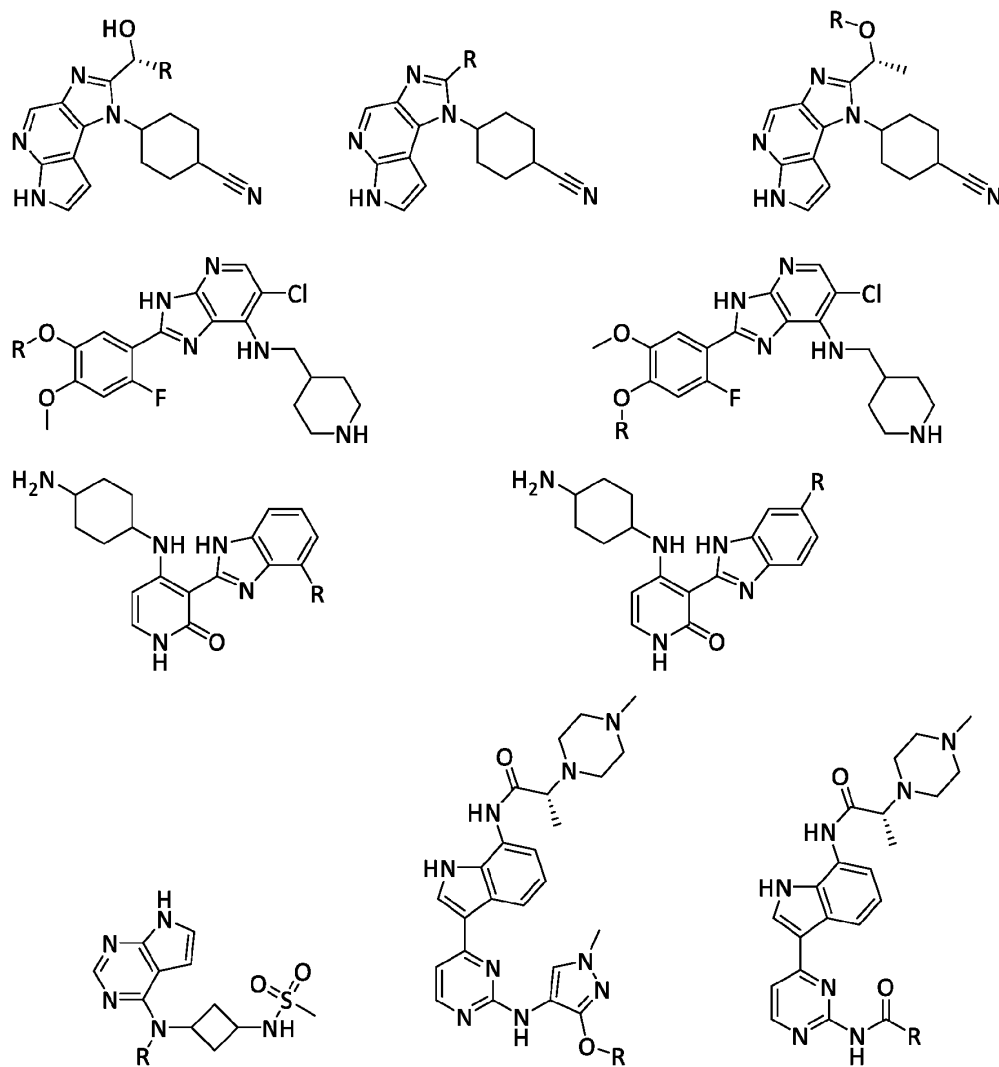


FIG. 8KK

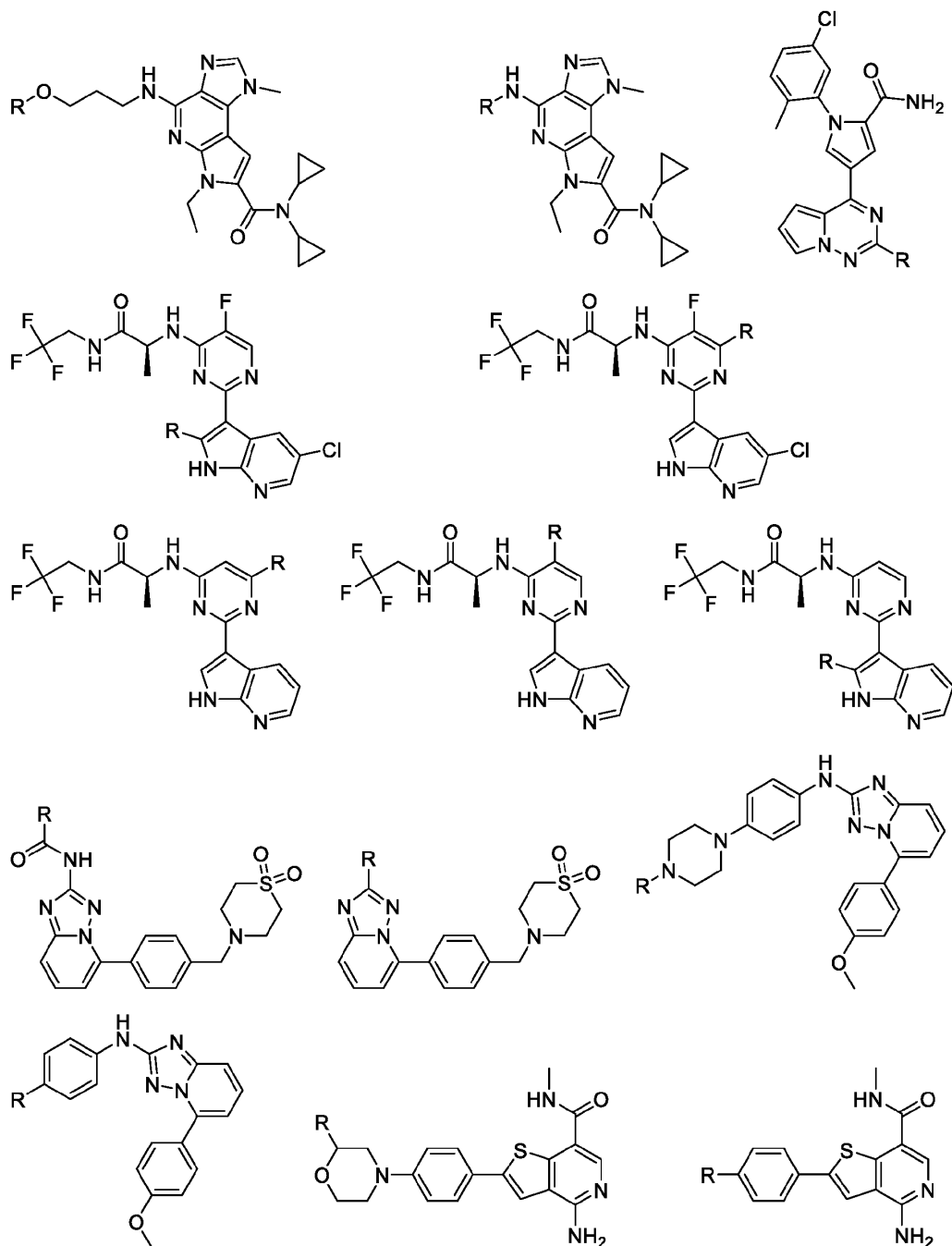


FIG. 8LL

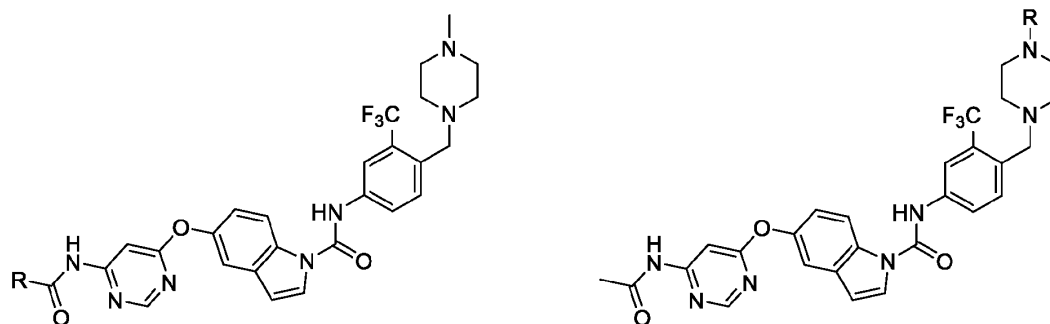


FIG. 8MM

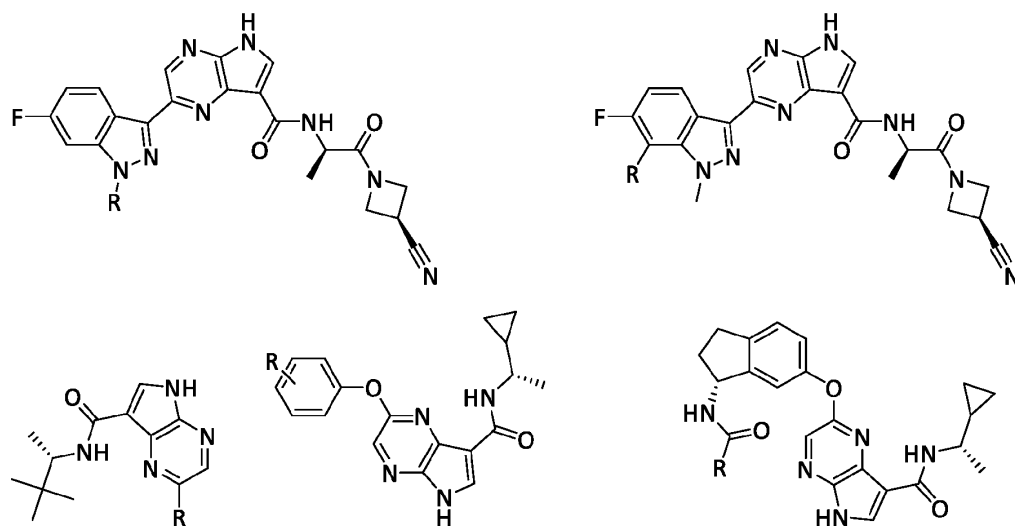


FIG. 8NN

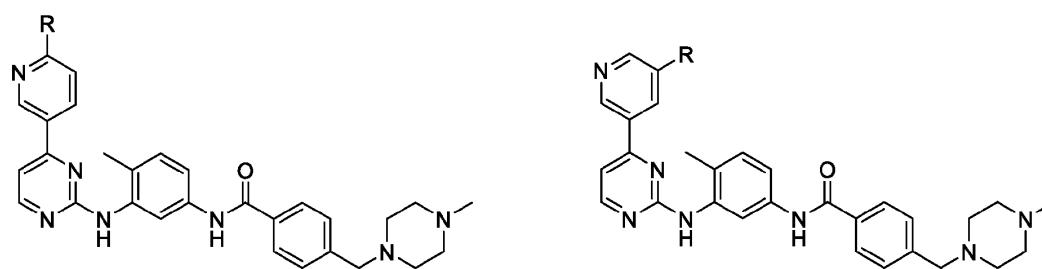


FIG. 800

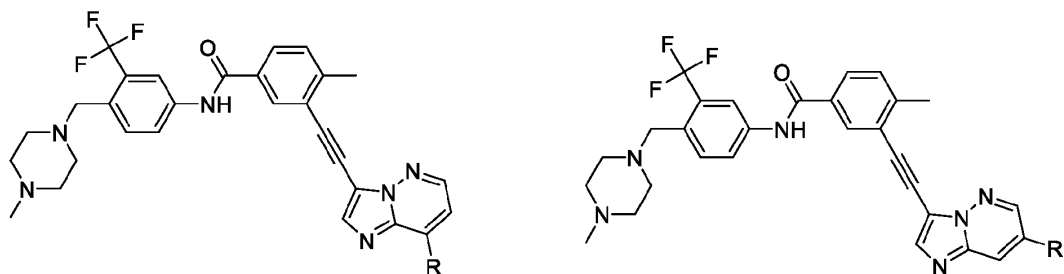


FIG. 8PP

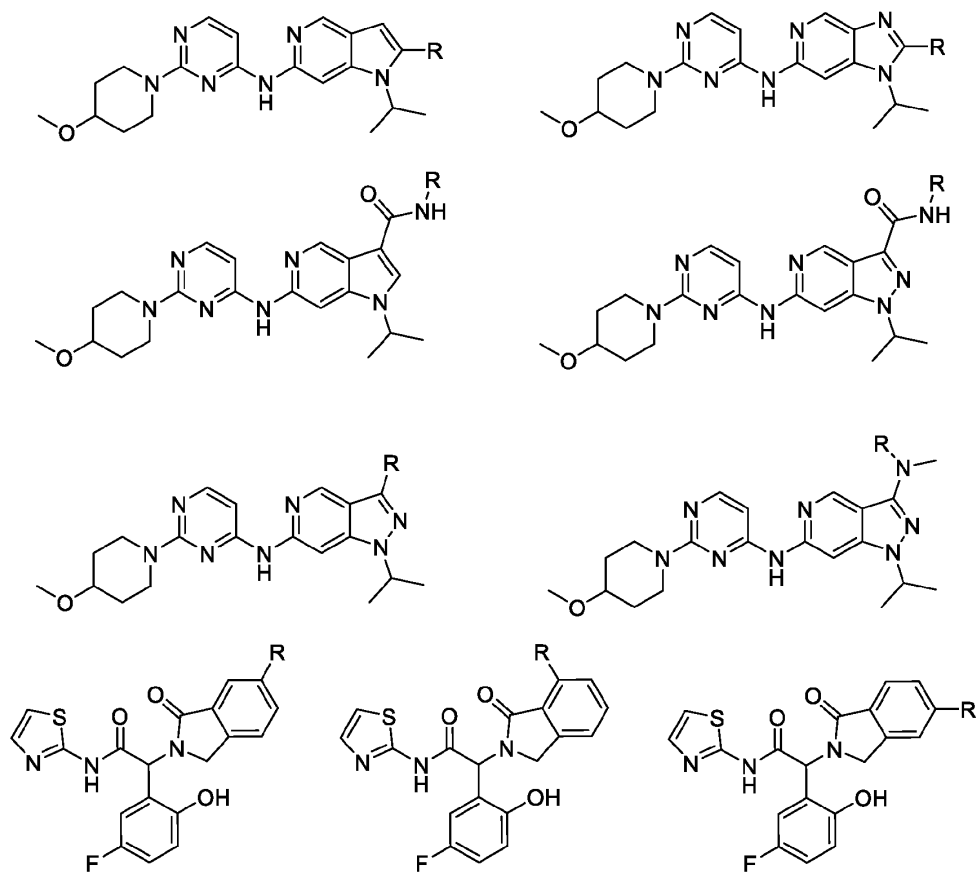


FIG. 8QQ

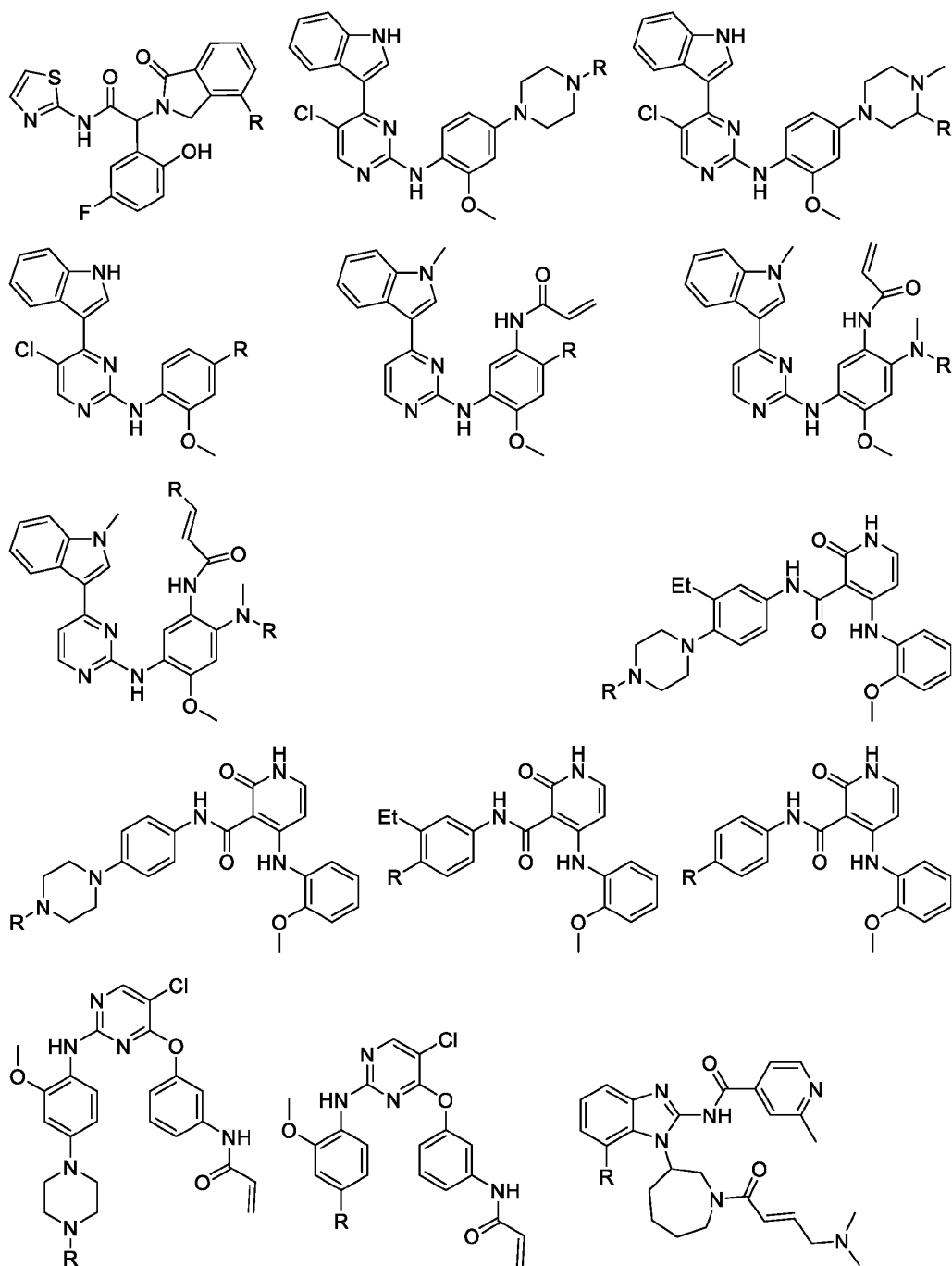


FIG. 8RR

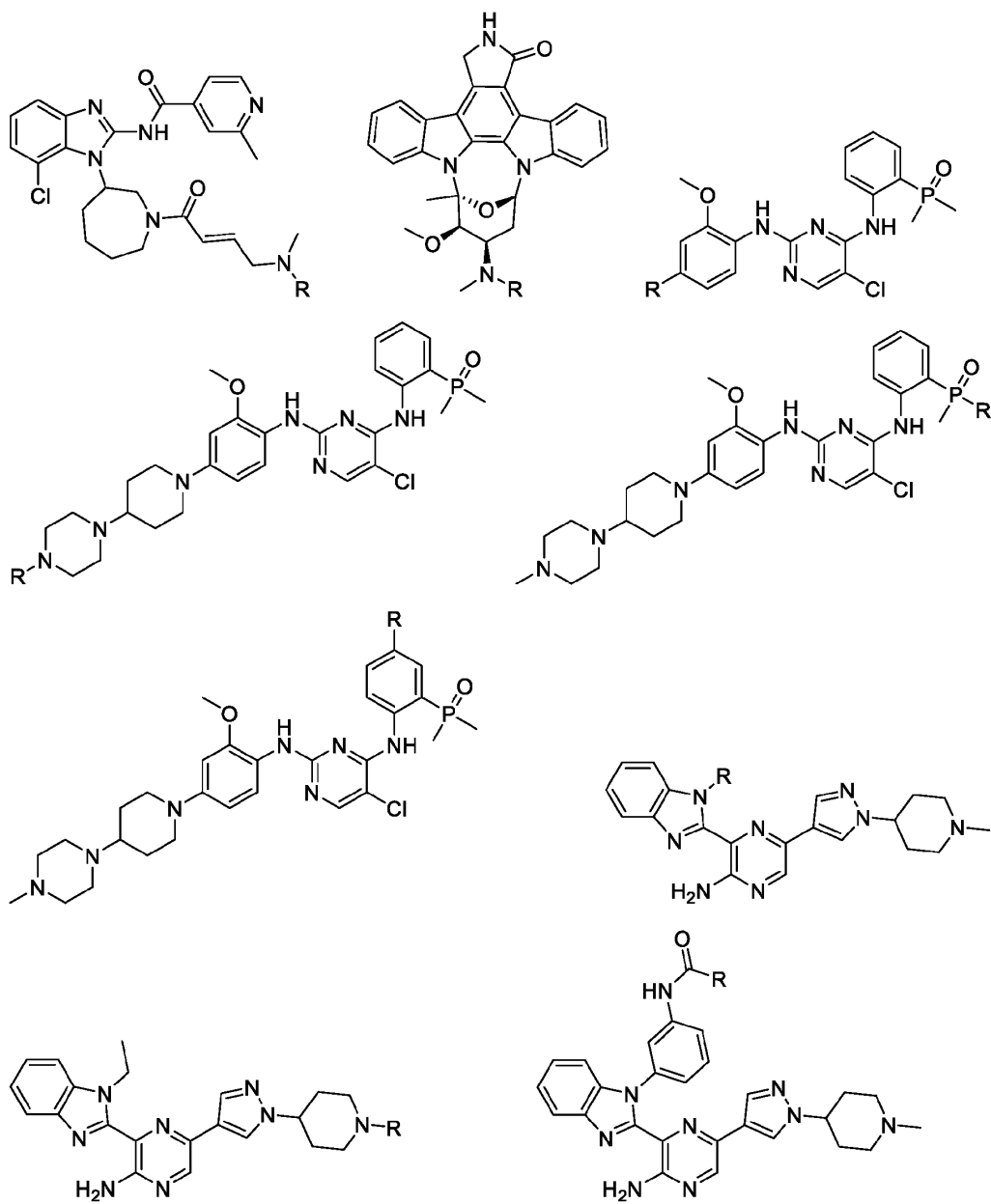




FIG. 8SS

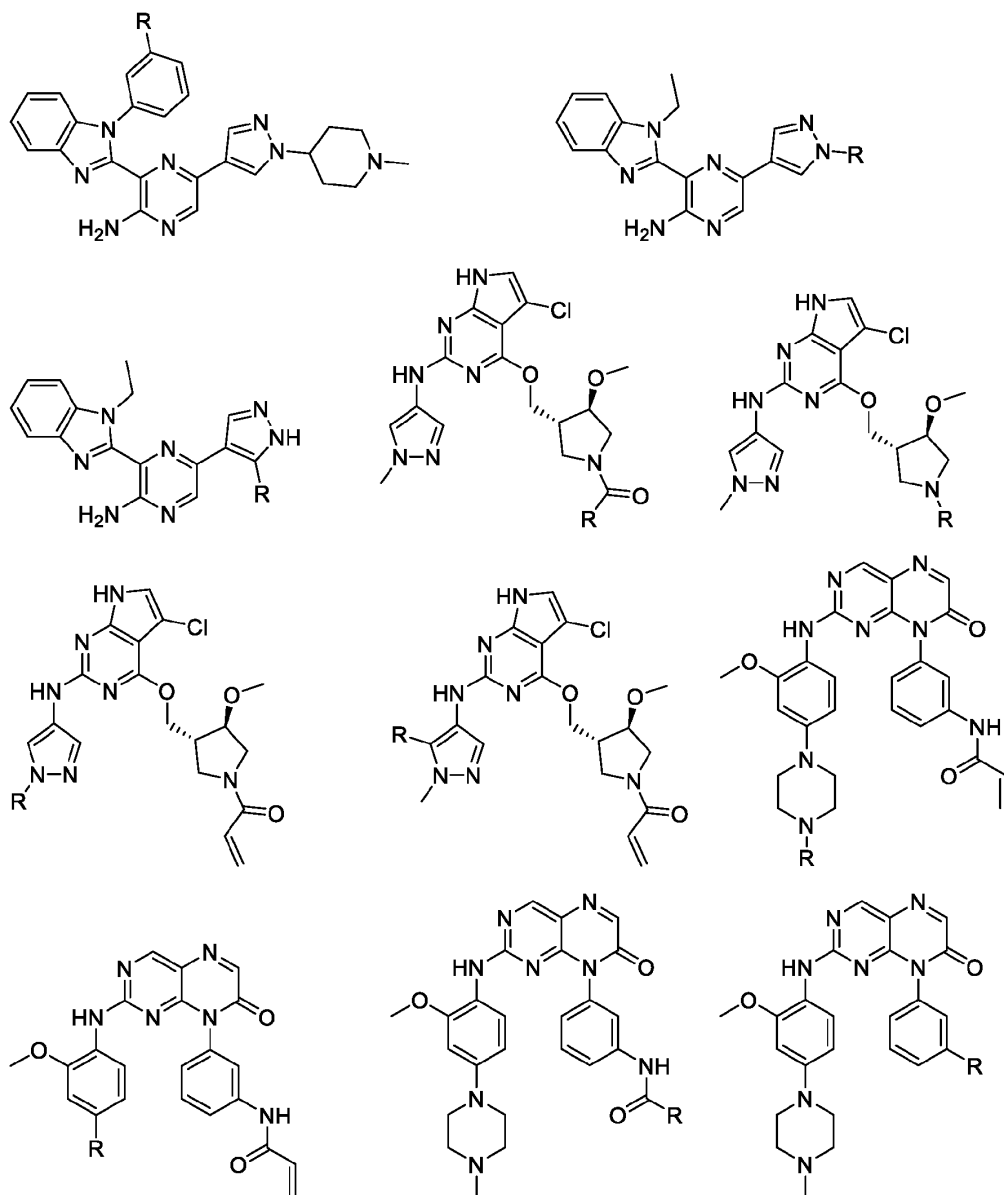


FIG. 8TT

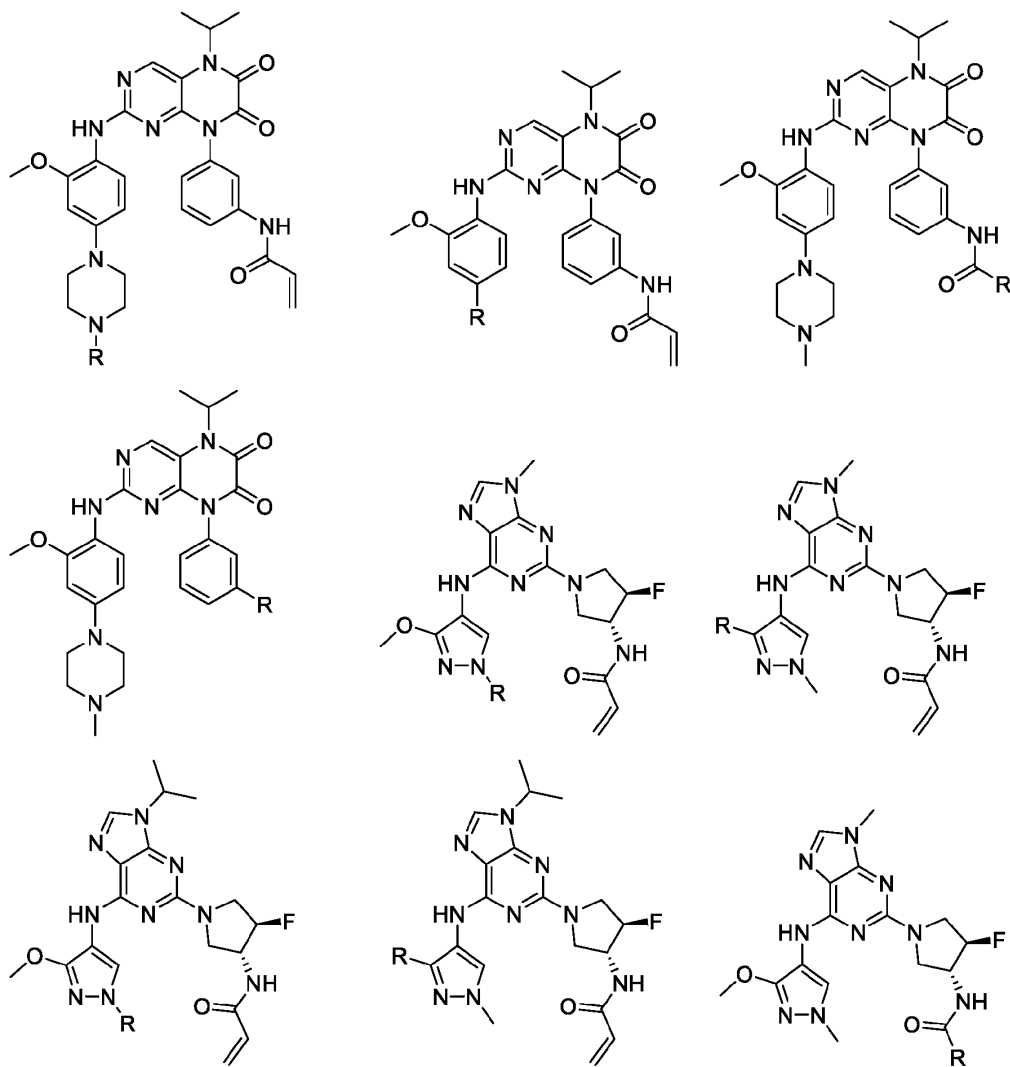


FIG. 8UU

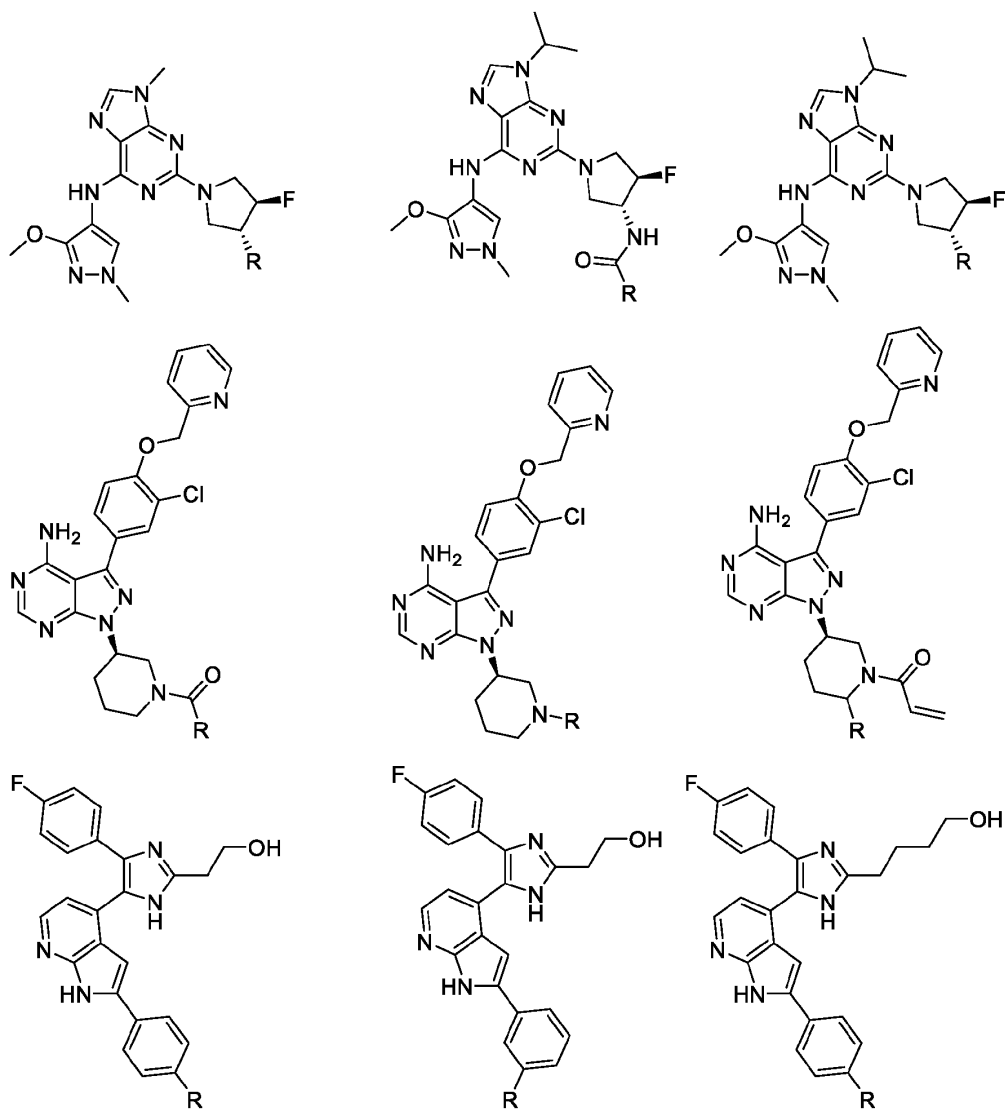


FIG. 8VV

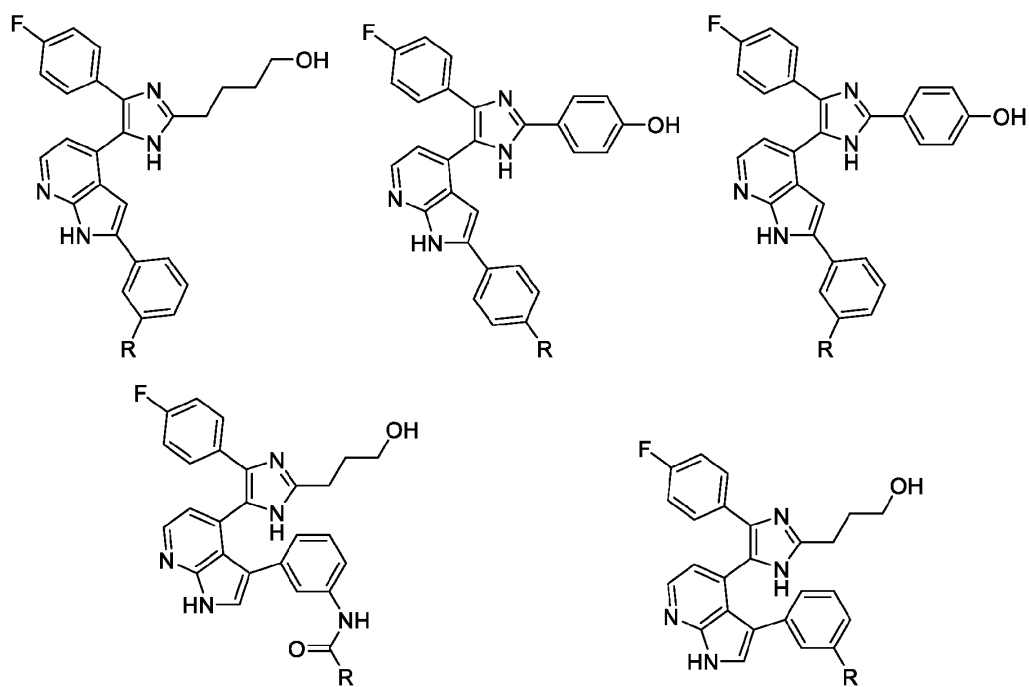


FIG. 8WW

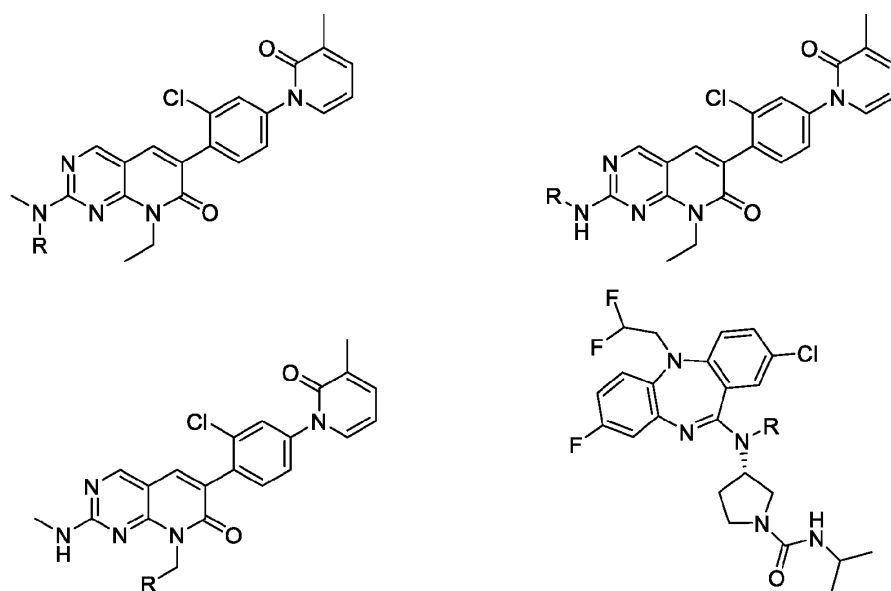


FIG. 8XX

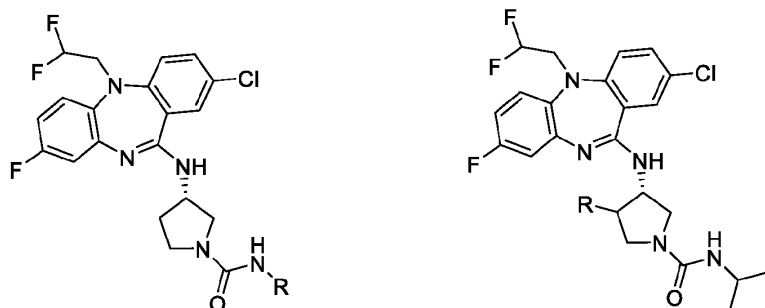


FIG. 8YY

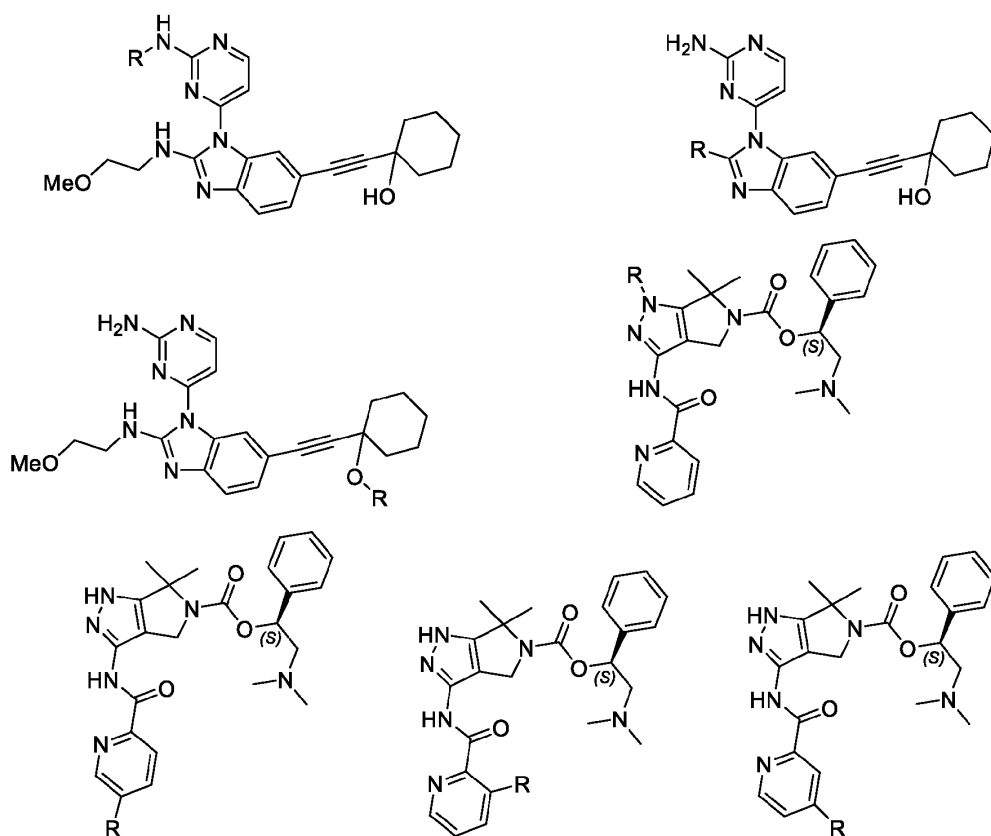


FIG. 8ZZ

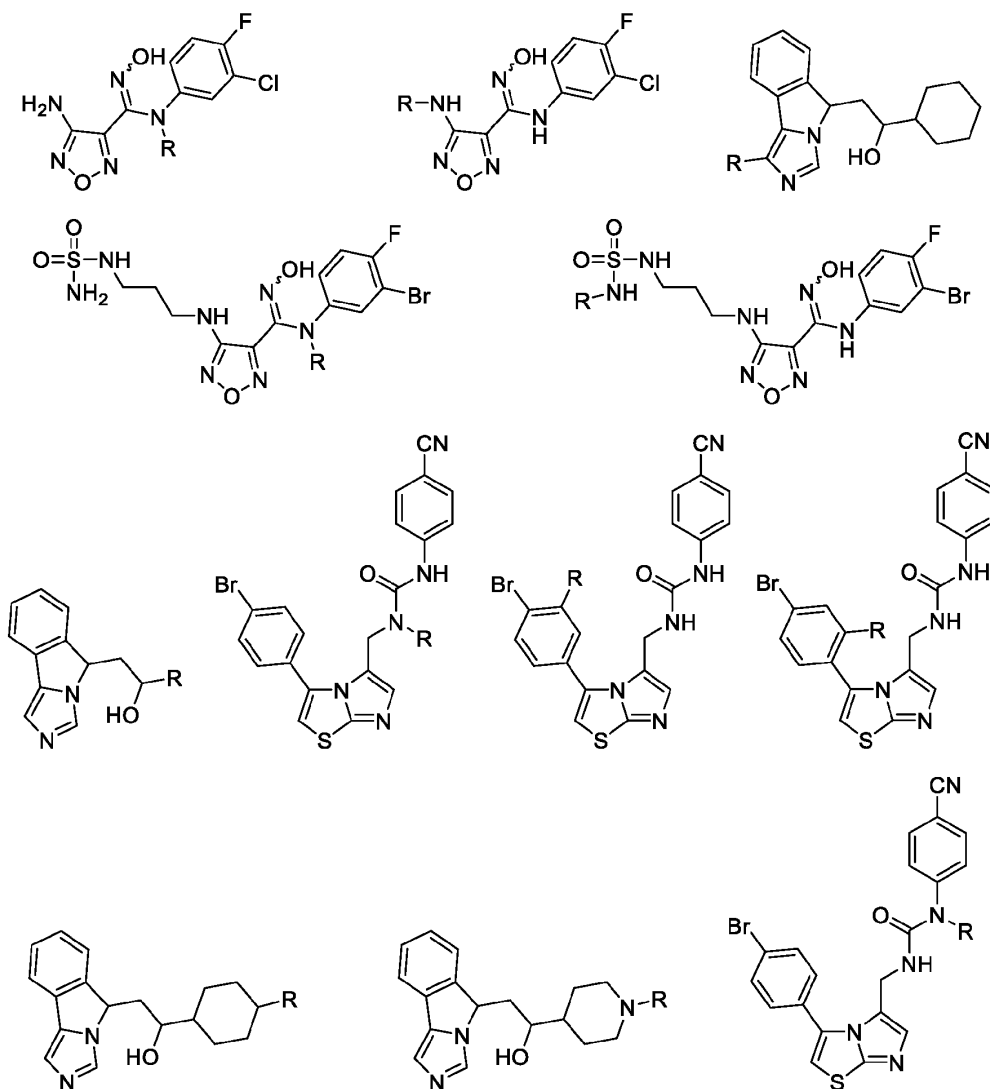


FIG. 8AAA

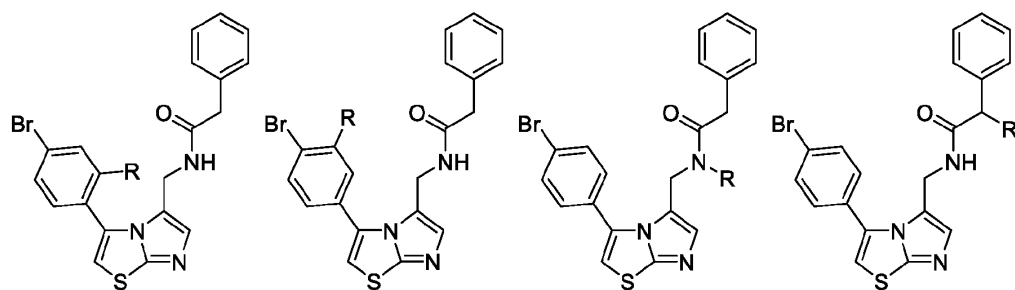


FIG. 8BBB

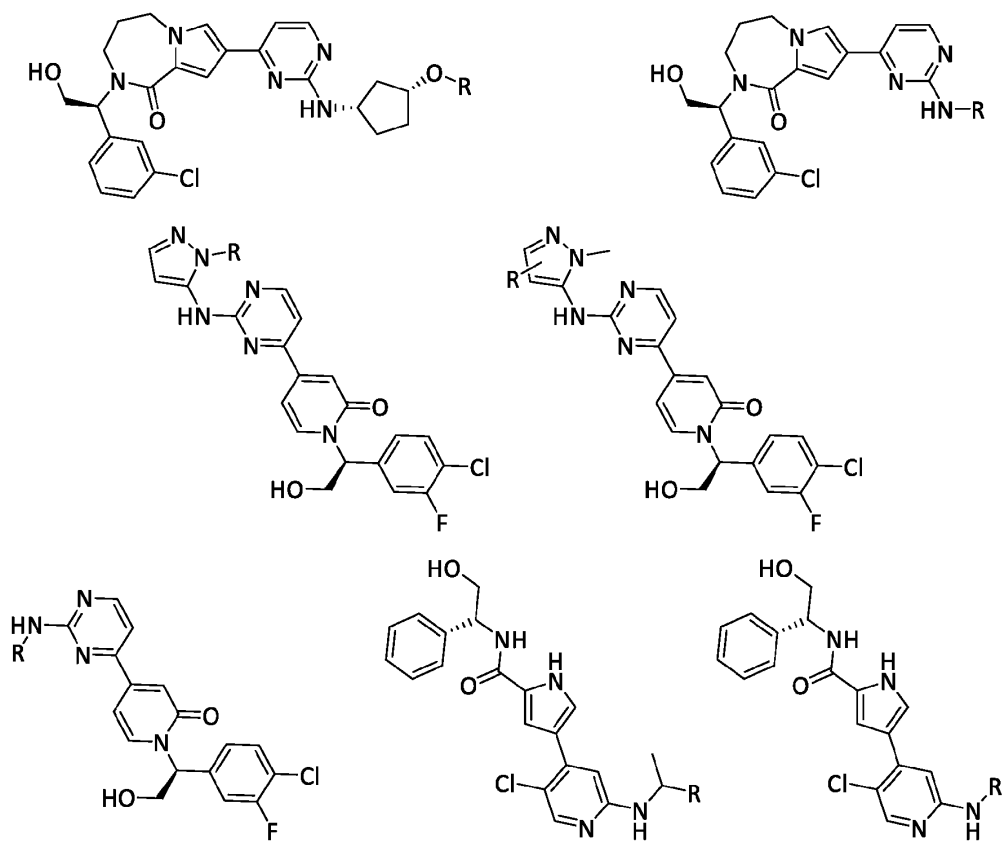


FIG. 8CCC

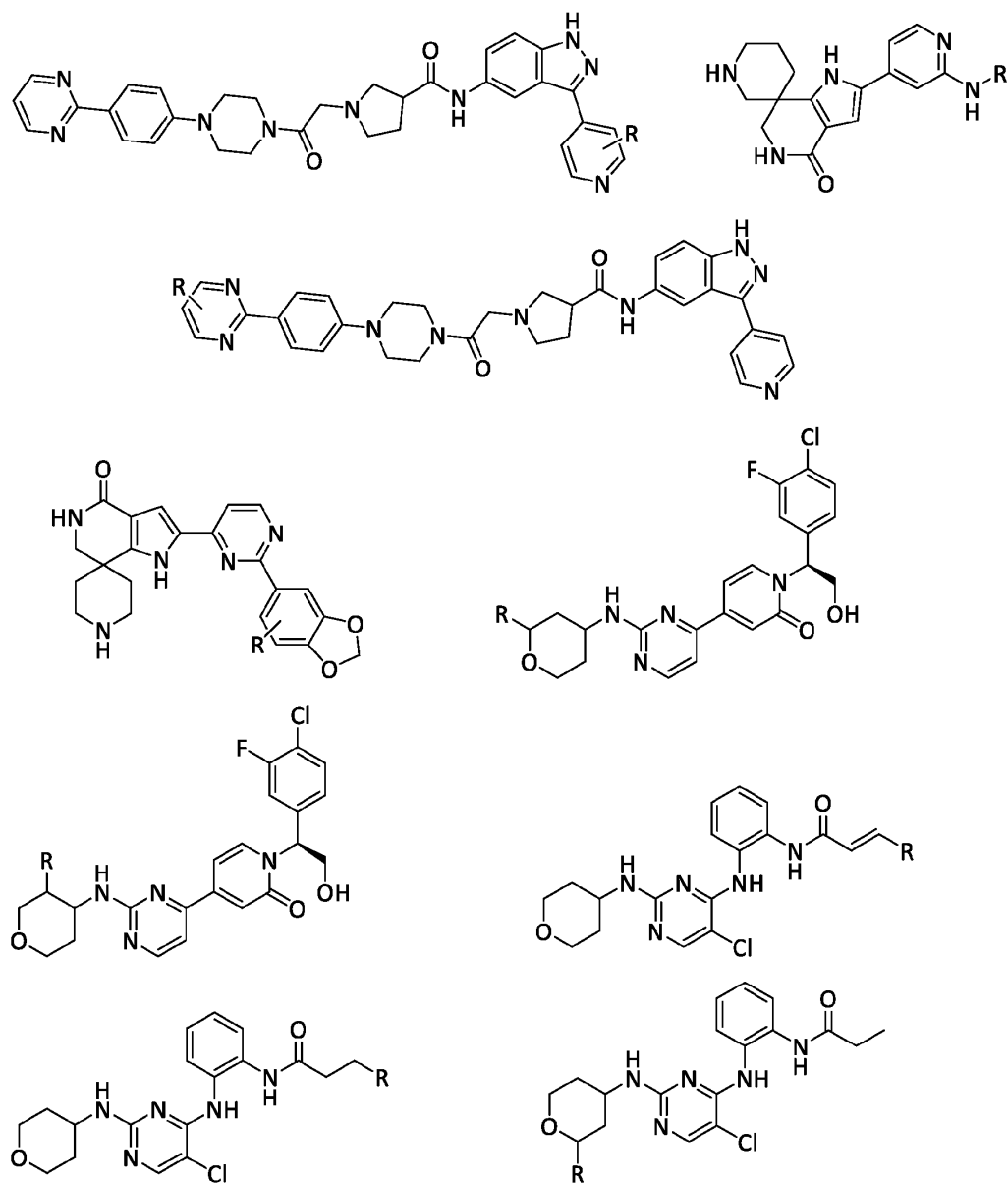




FIG. 8DDD

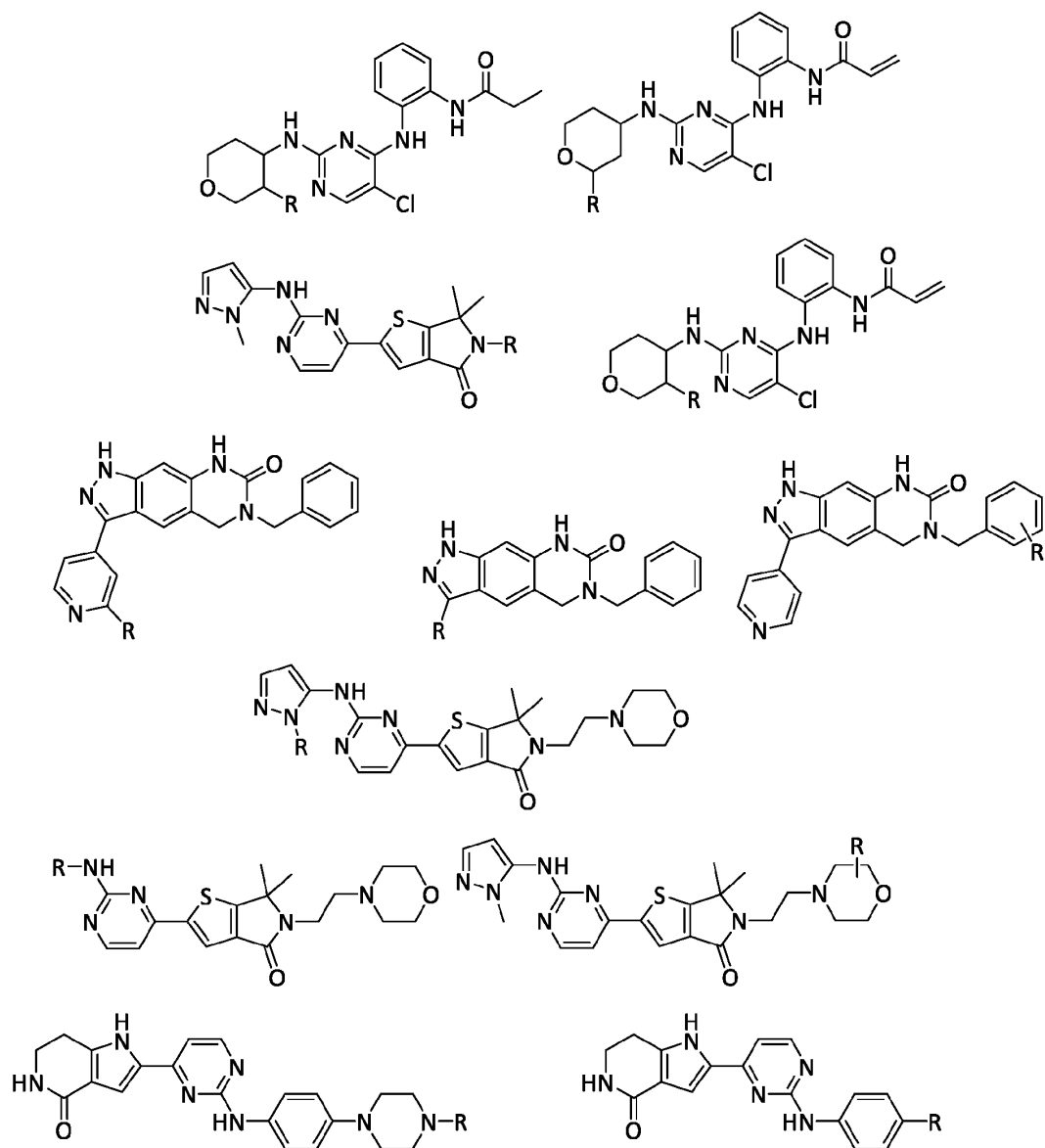


FIG. 8EEE

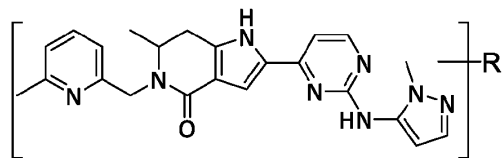


FIG. 8FFF

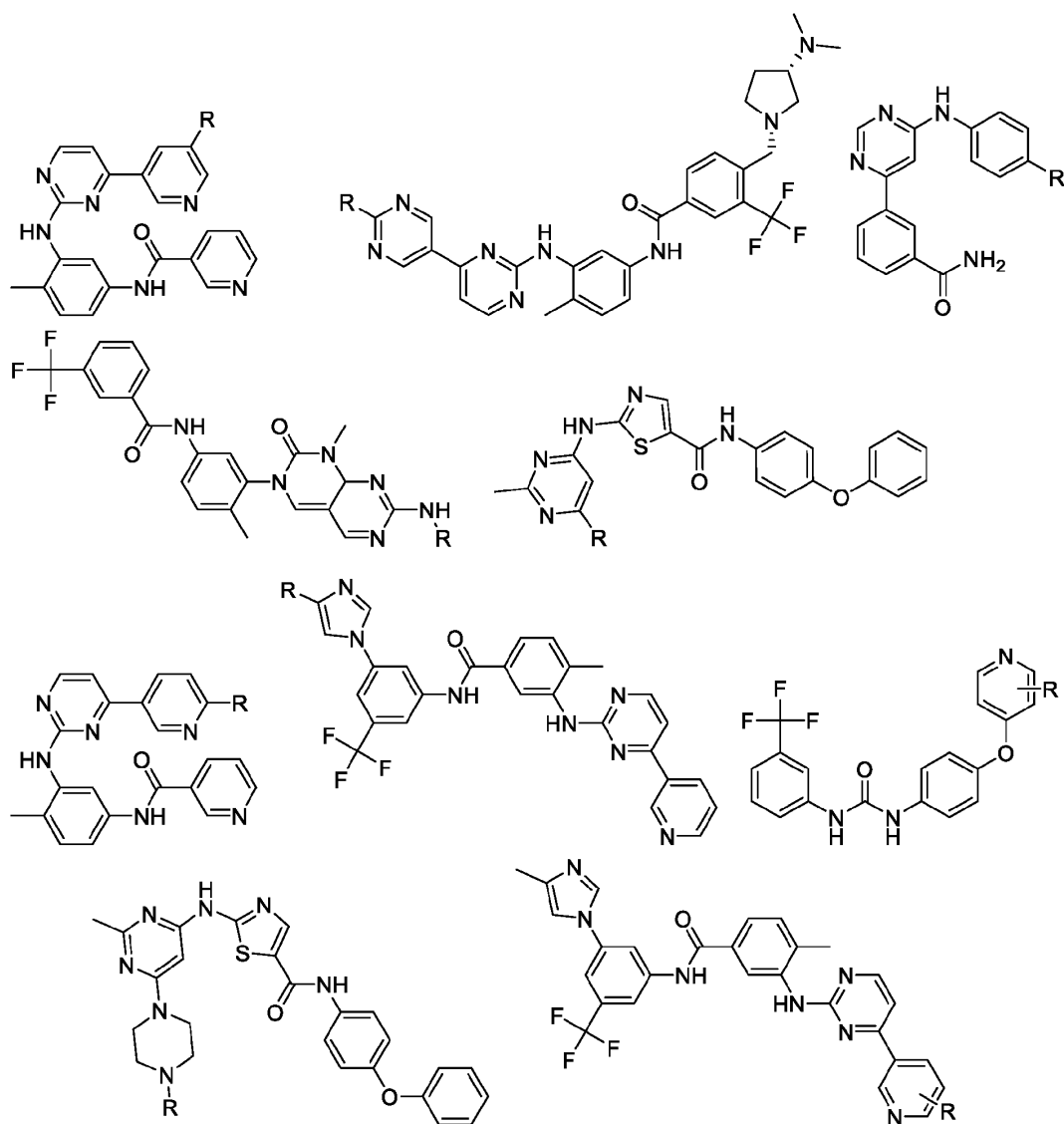


FIG. 8GGG

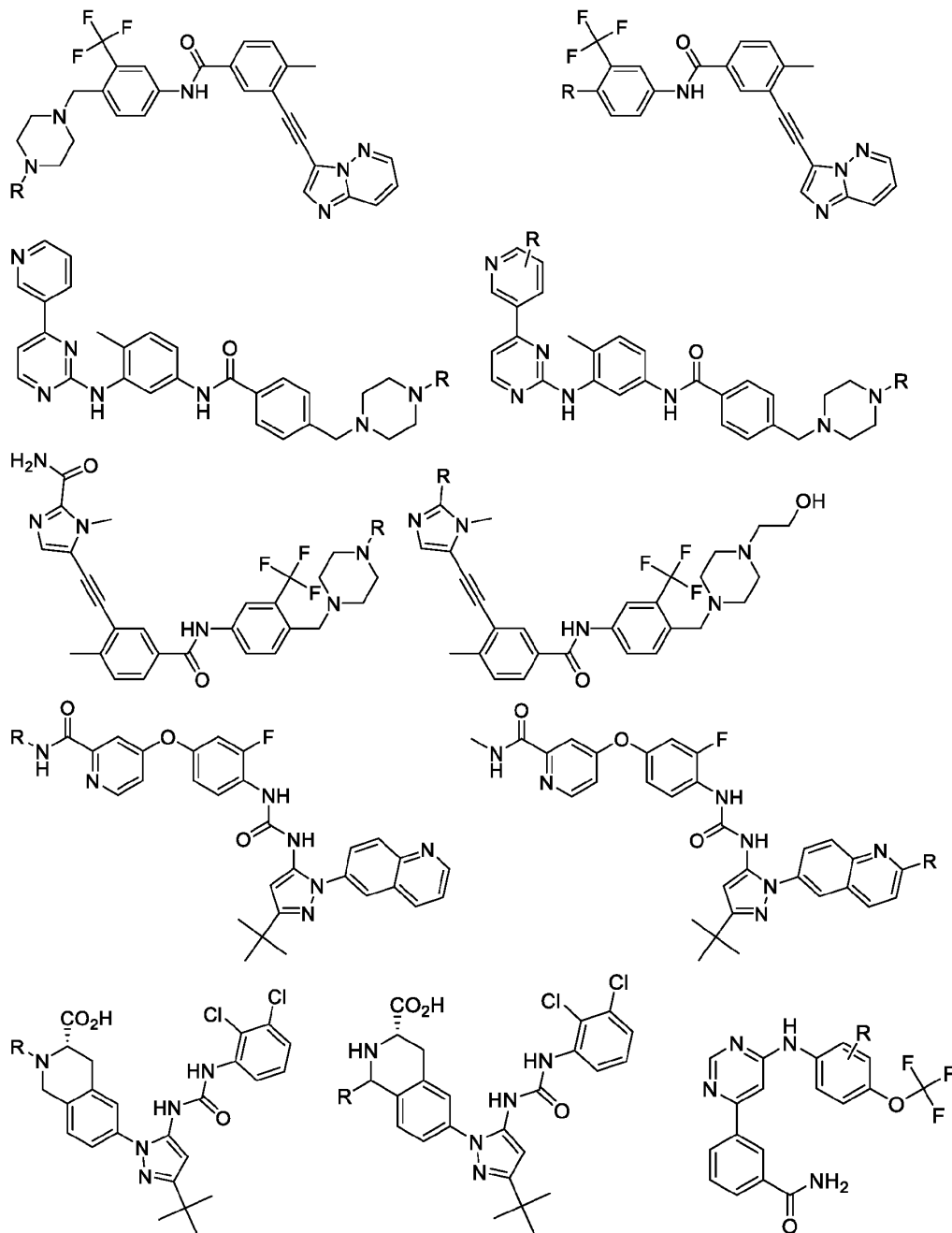


FIG. 8HHH

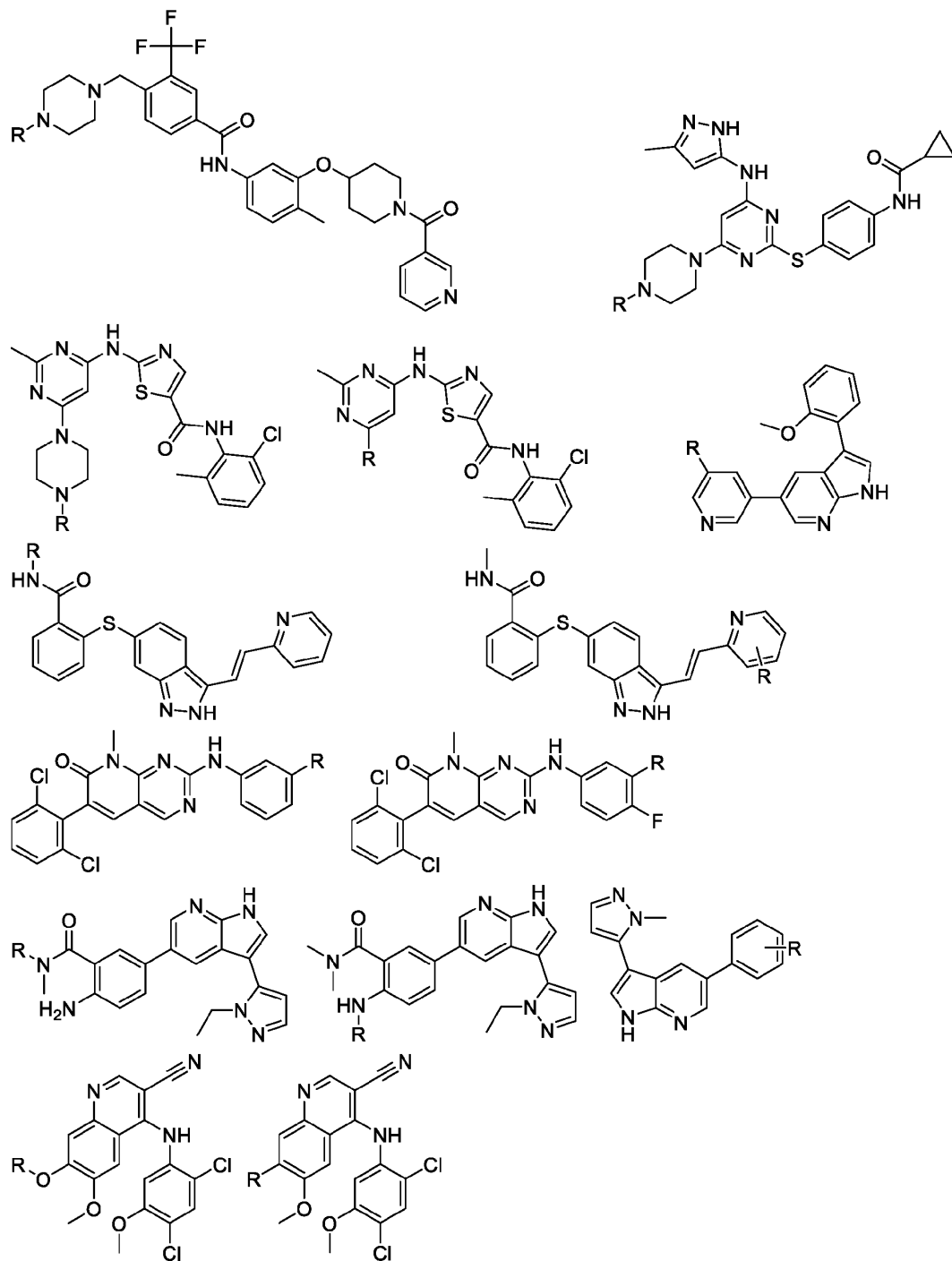


FIG. 8III

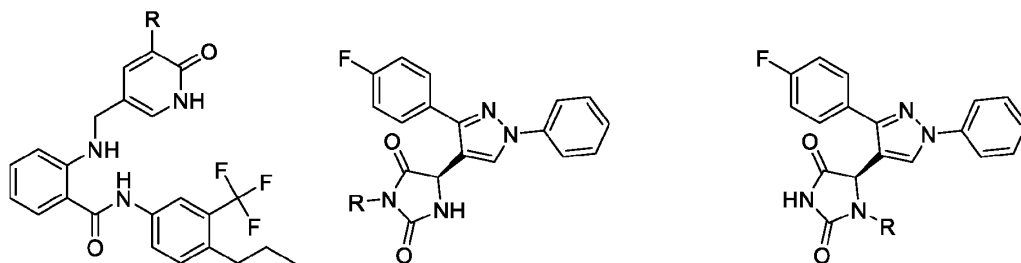


FIG. 8JJJ

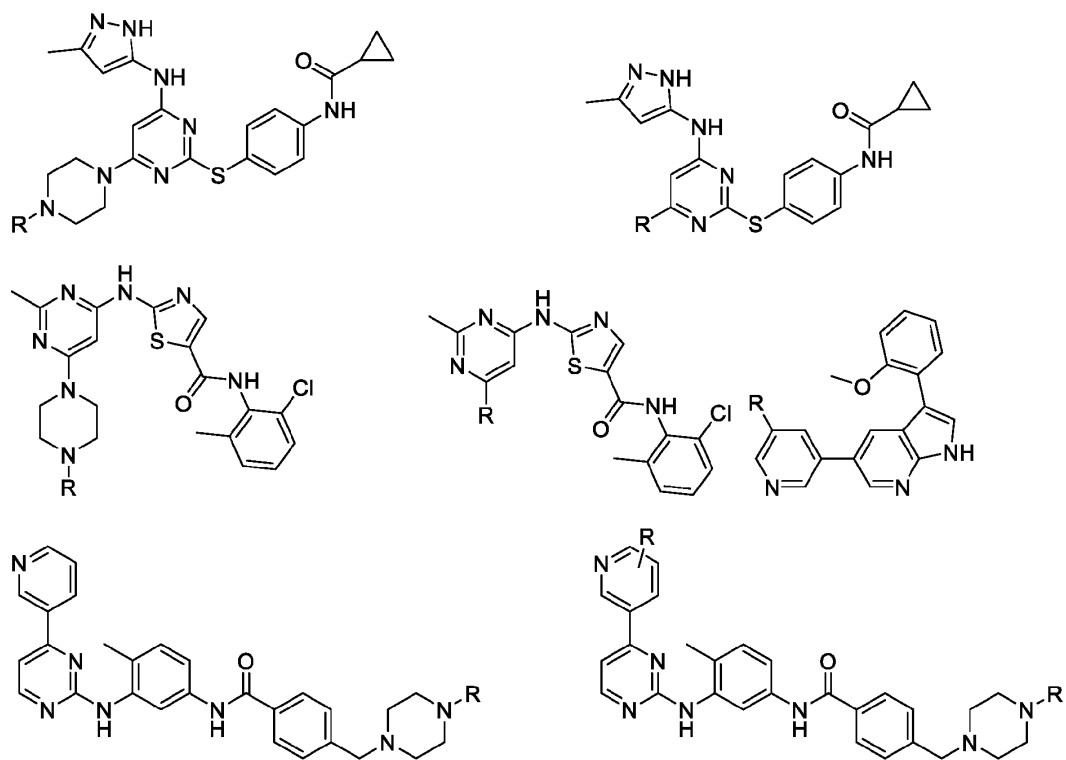


FIG. 8KKK

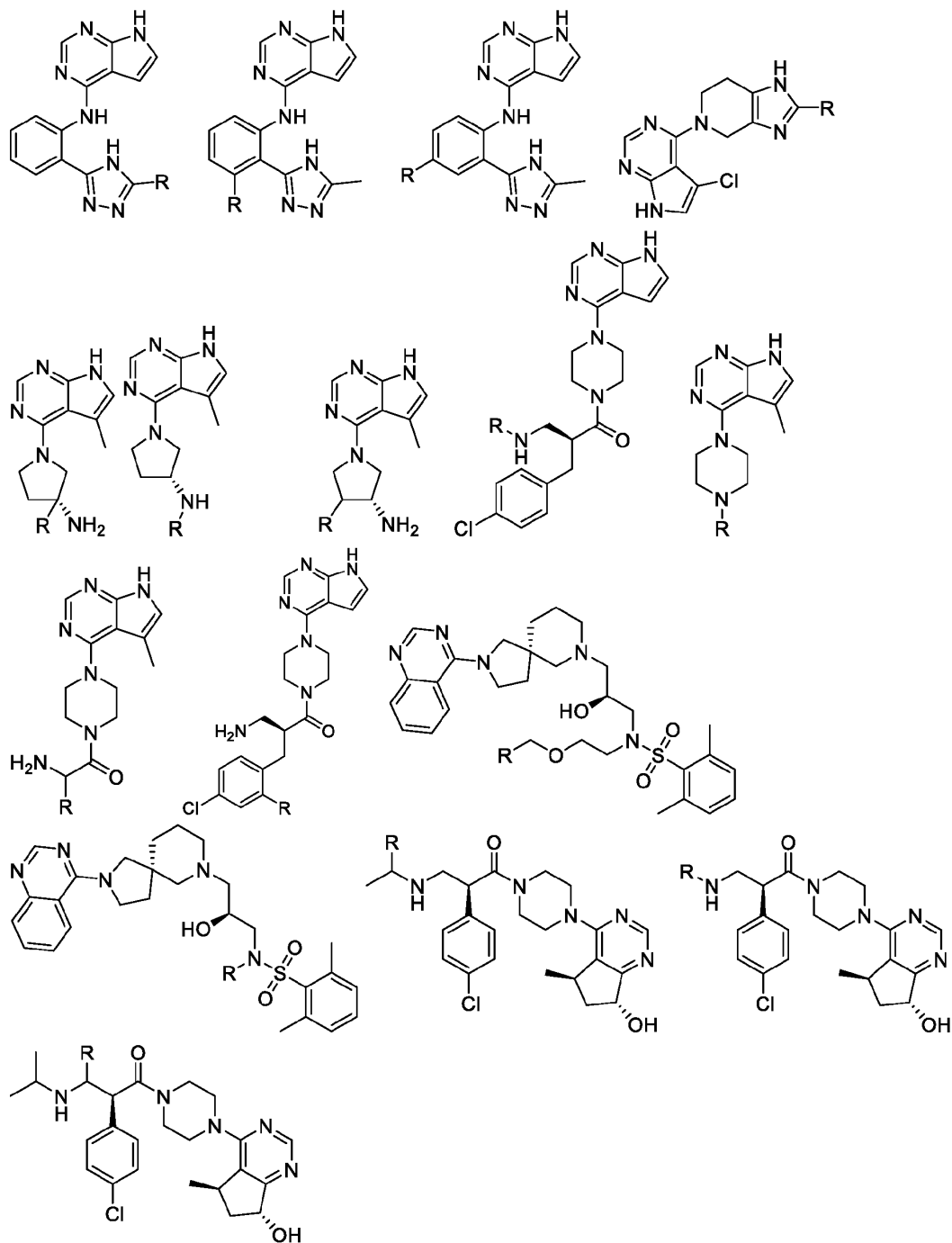


FIG. 8LLL

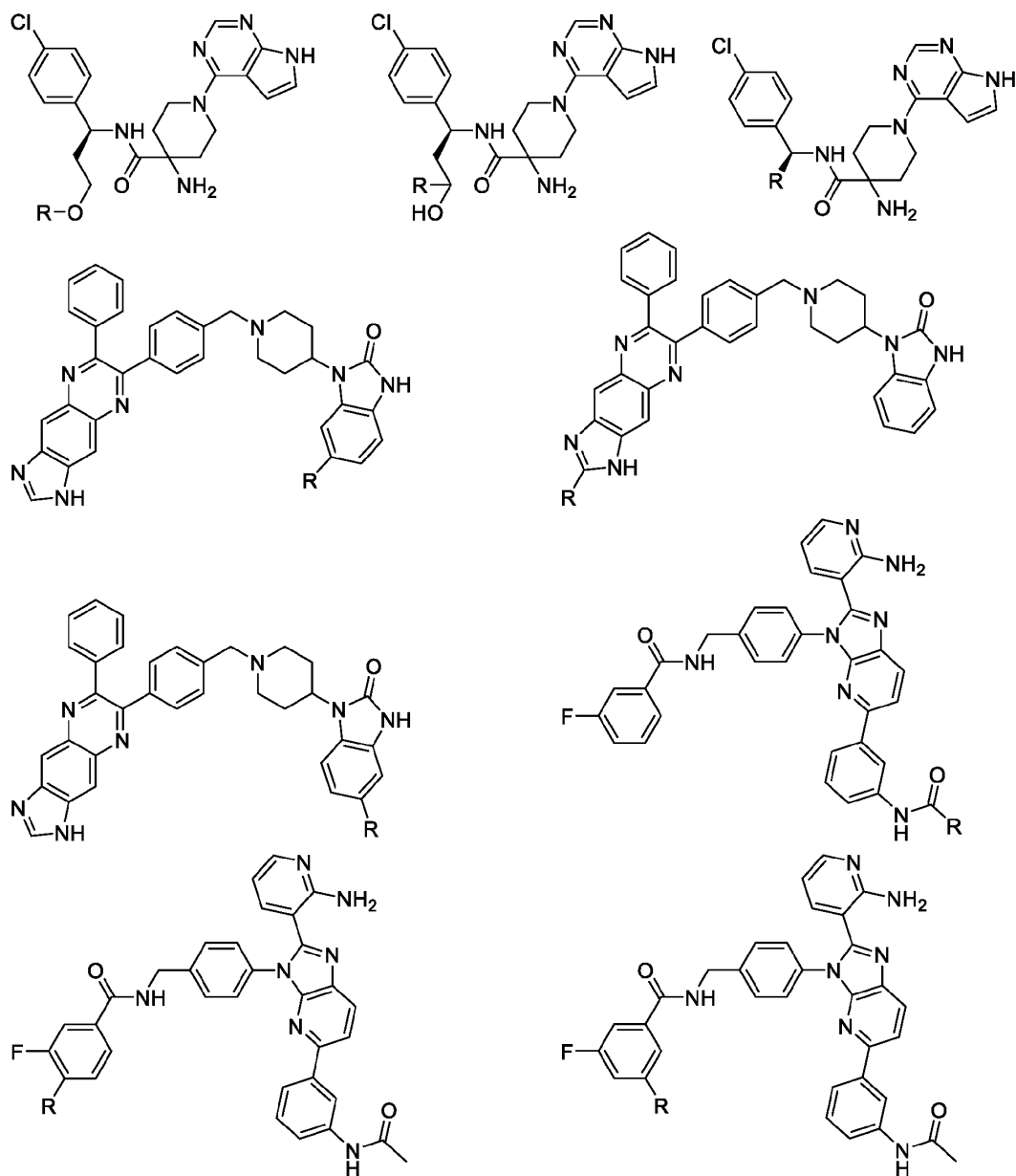


FIG. 8MMM

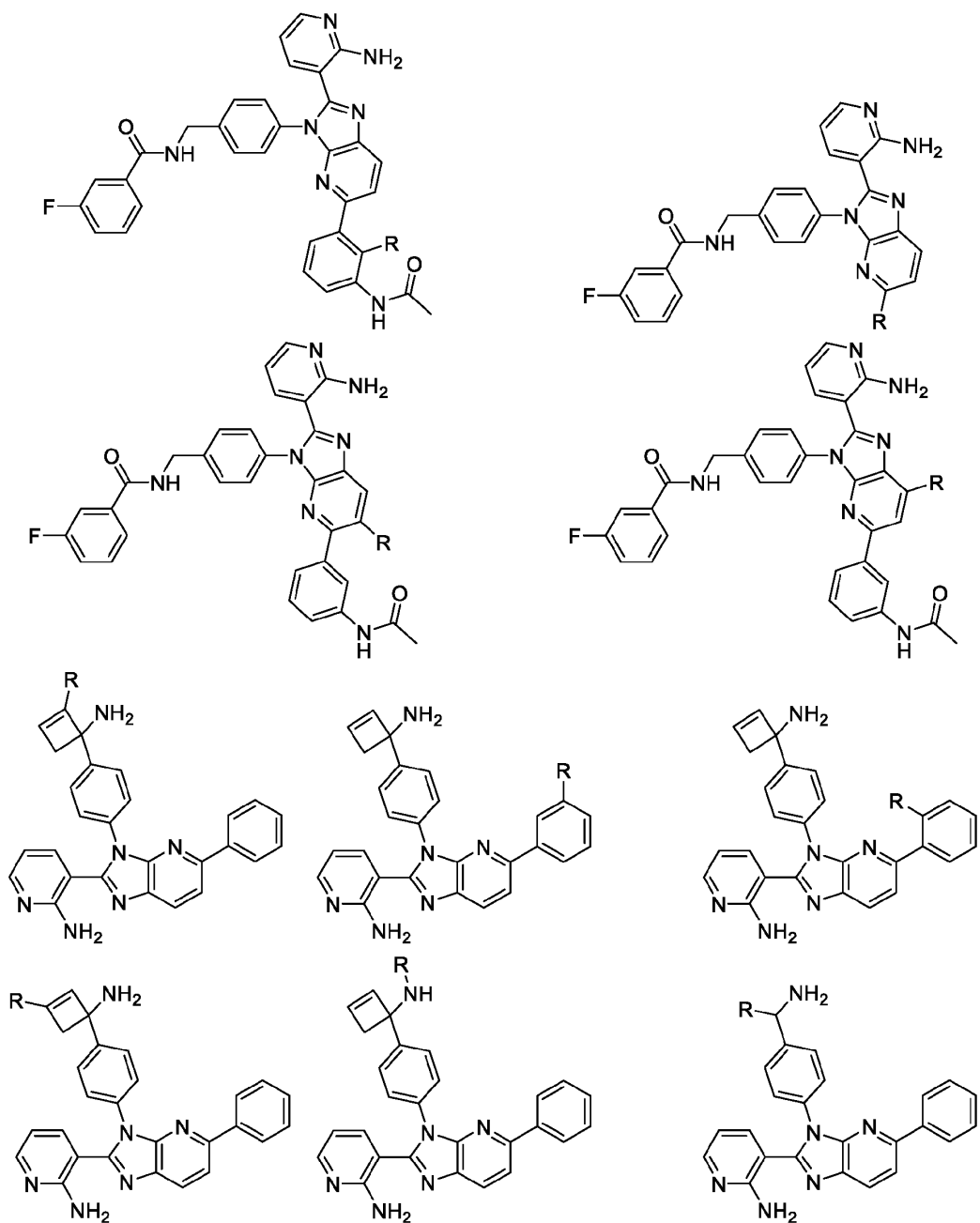




FIG. 8NNN

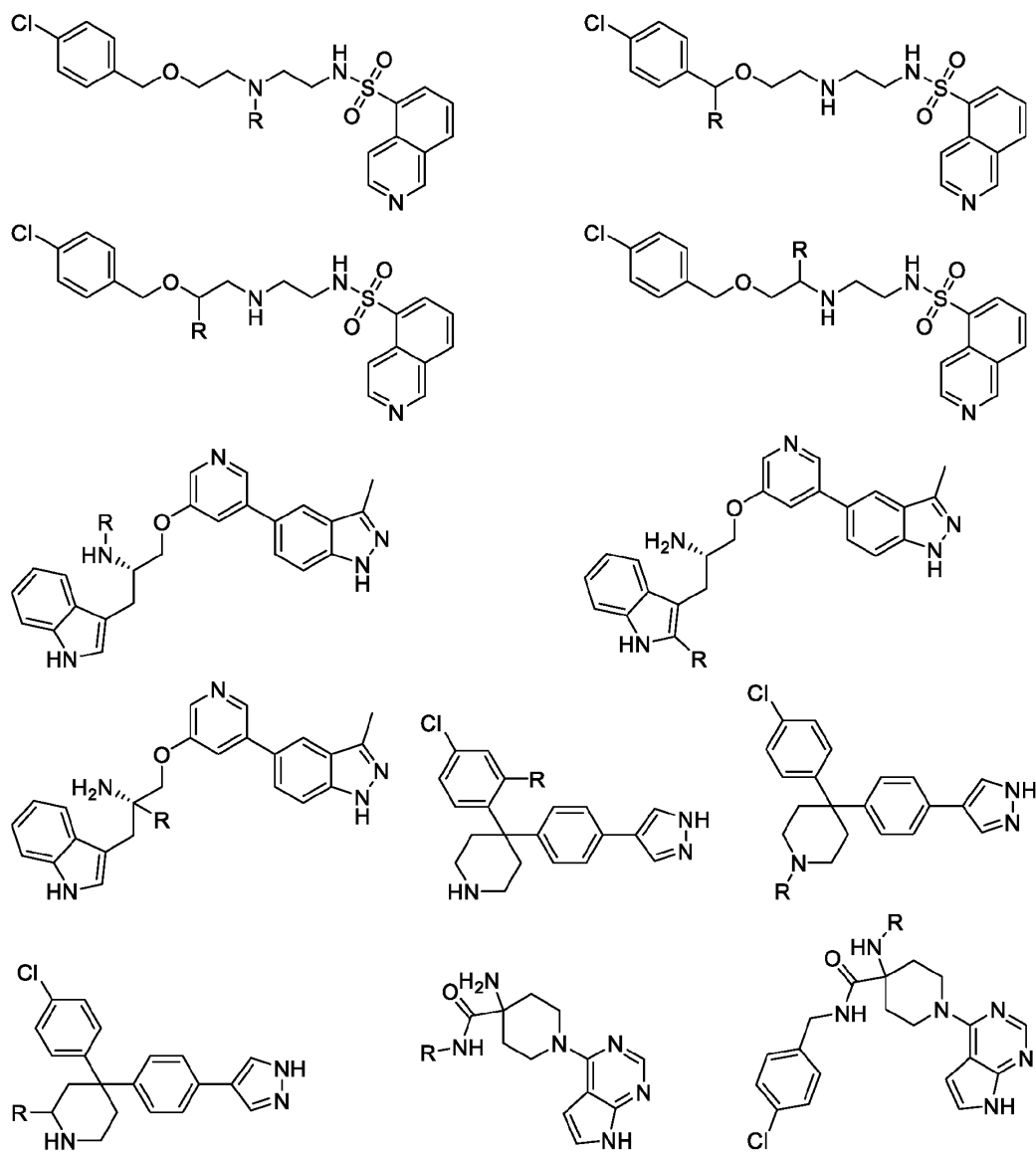


FIG. 8000

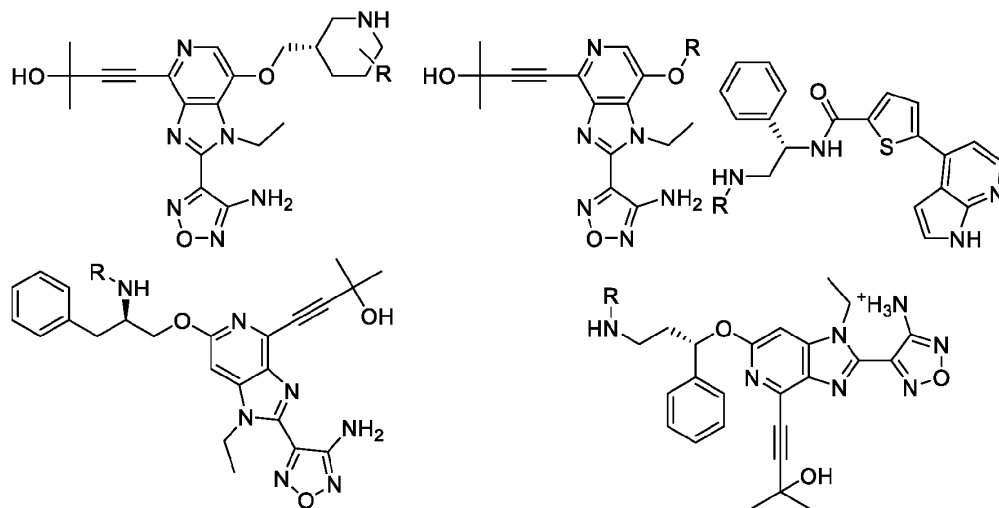


FIG. 8PPP

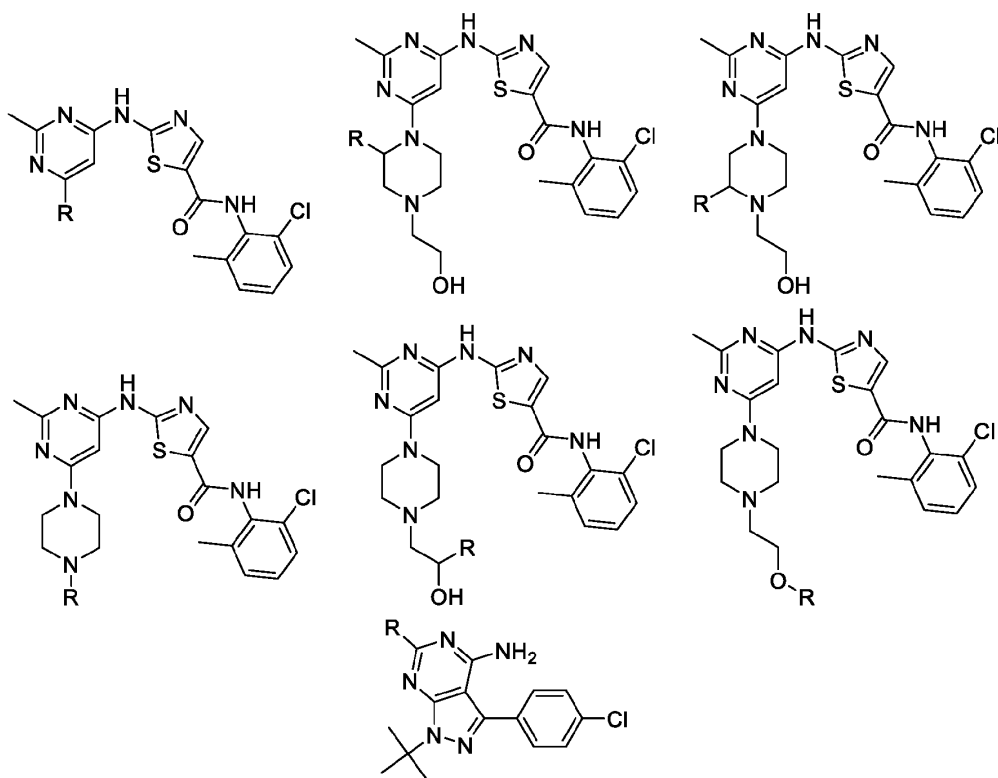


FIG. 8QQQ

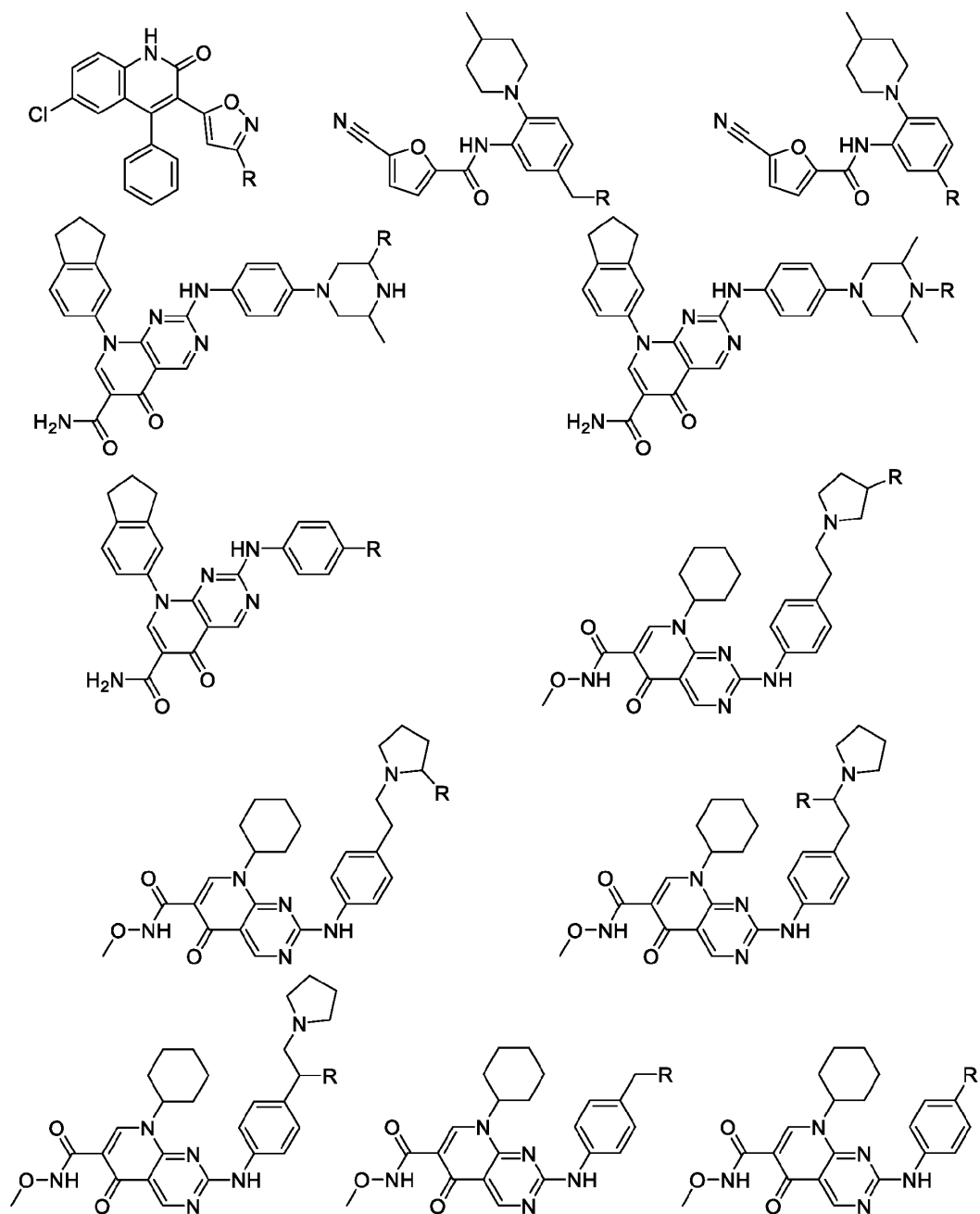


FIG. 8RRR

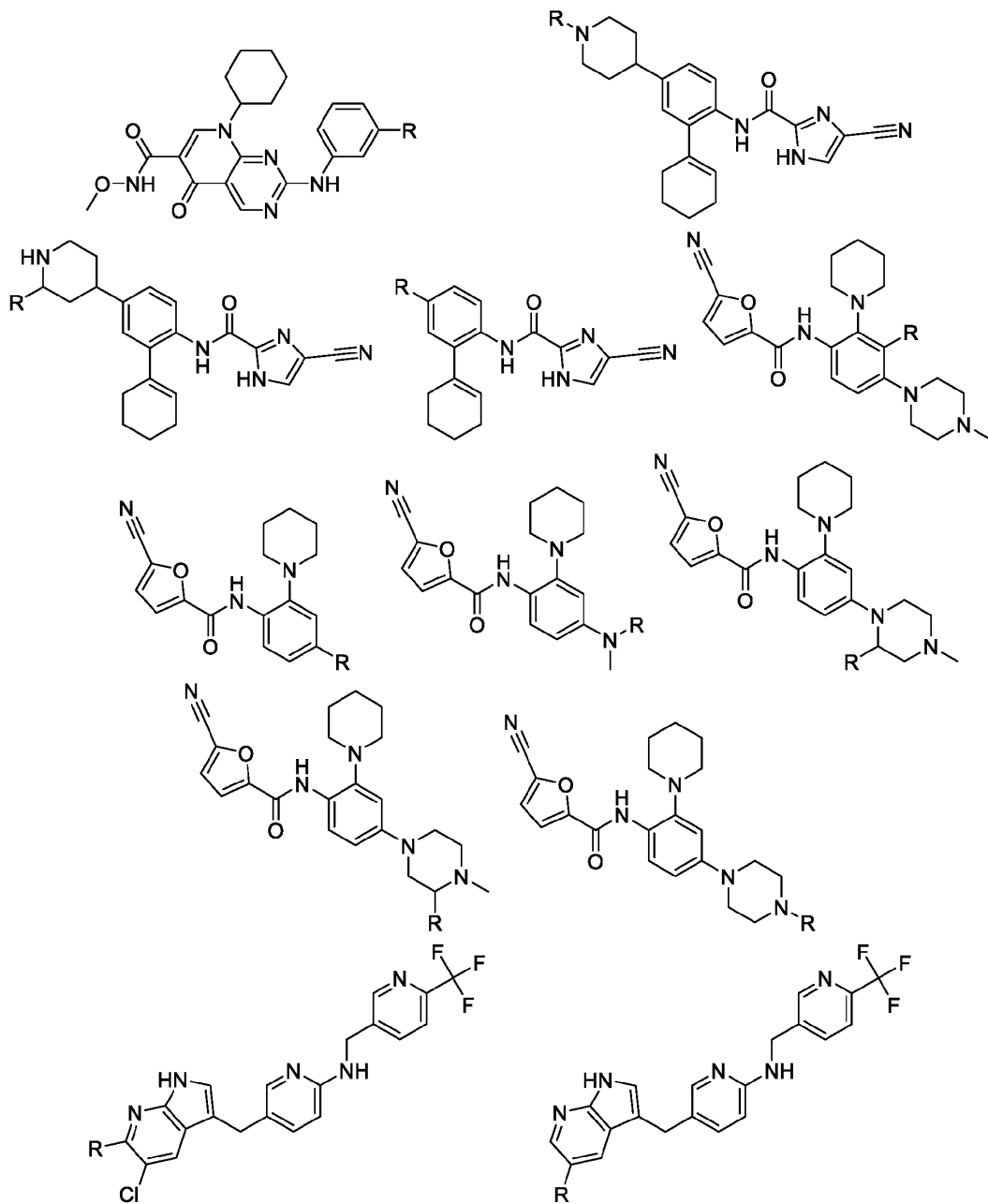


FIG. 8SSS

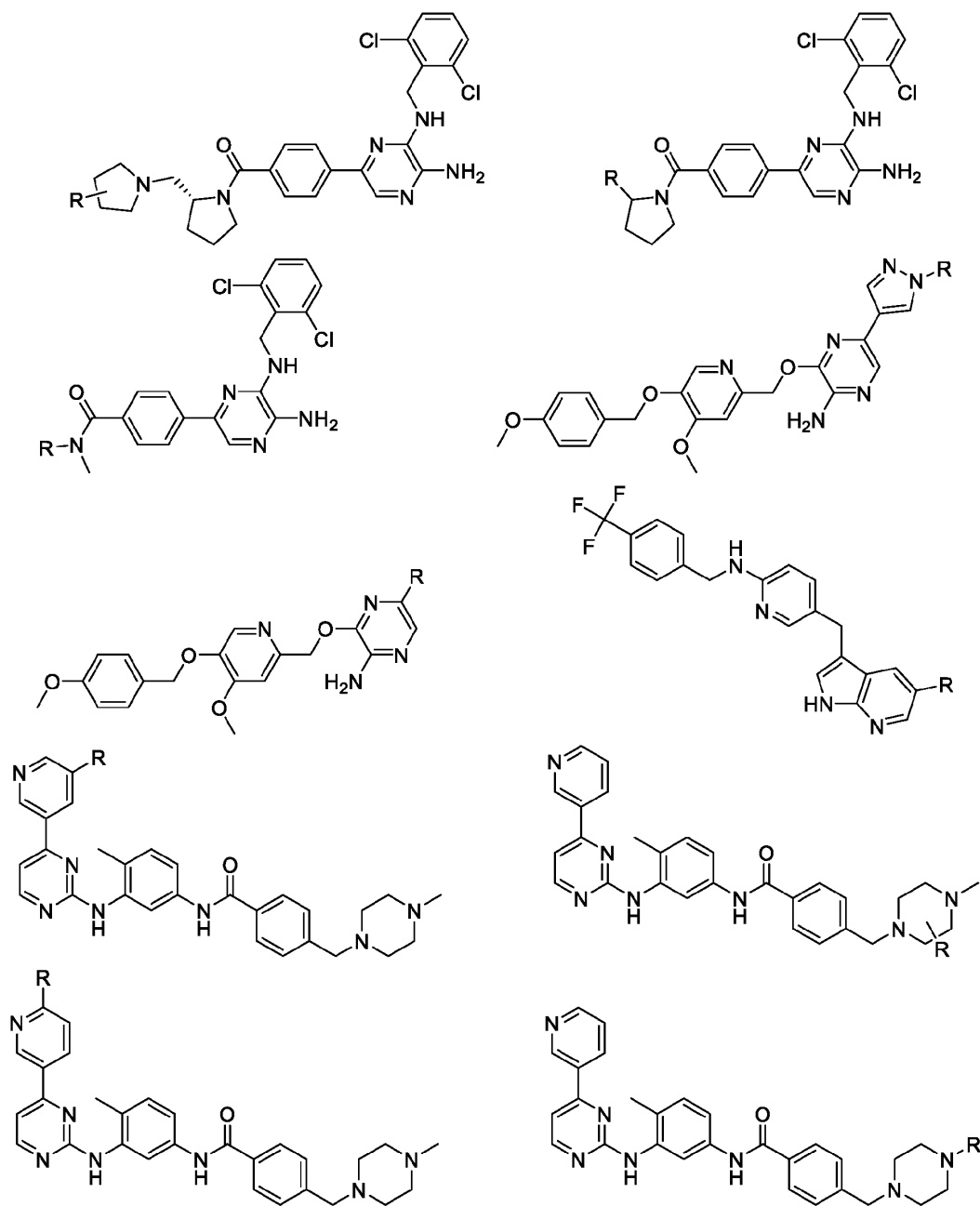


FIG. 8TTT

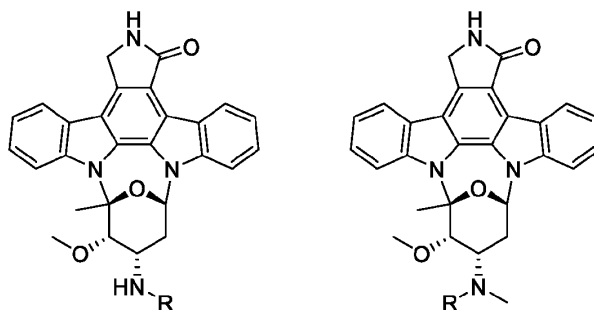


FIG. 8UUU

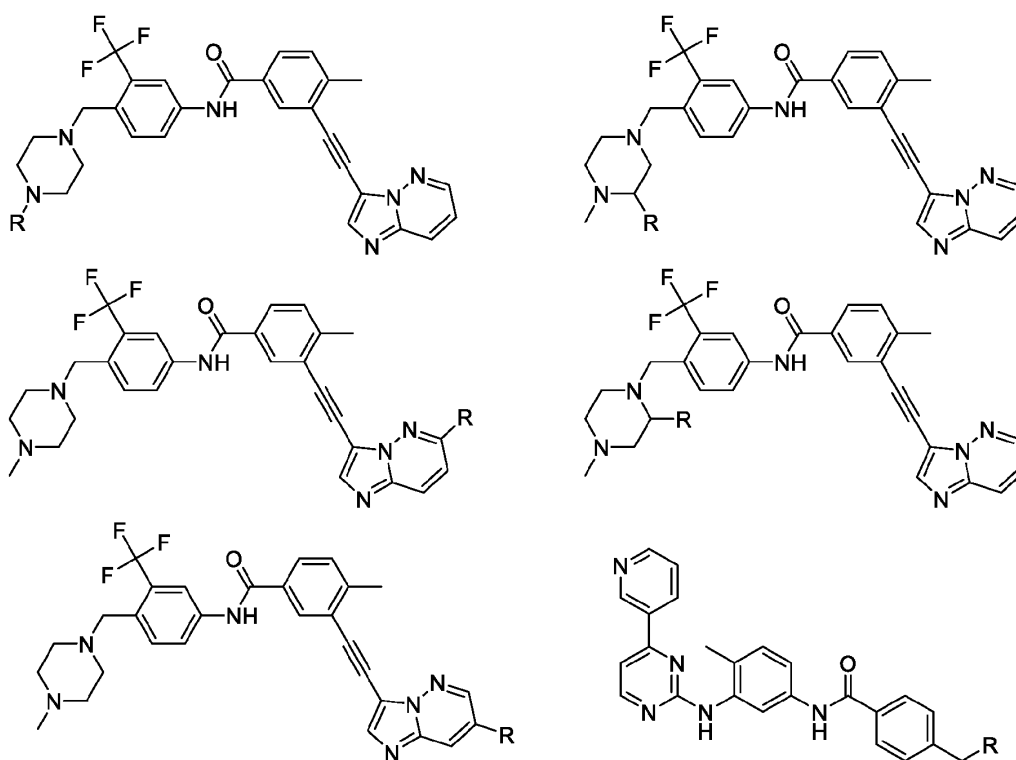


FIG. 8VVV

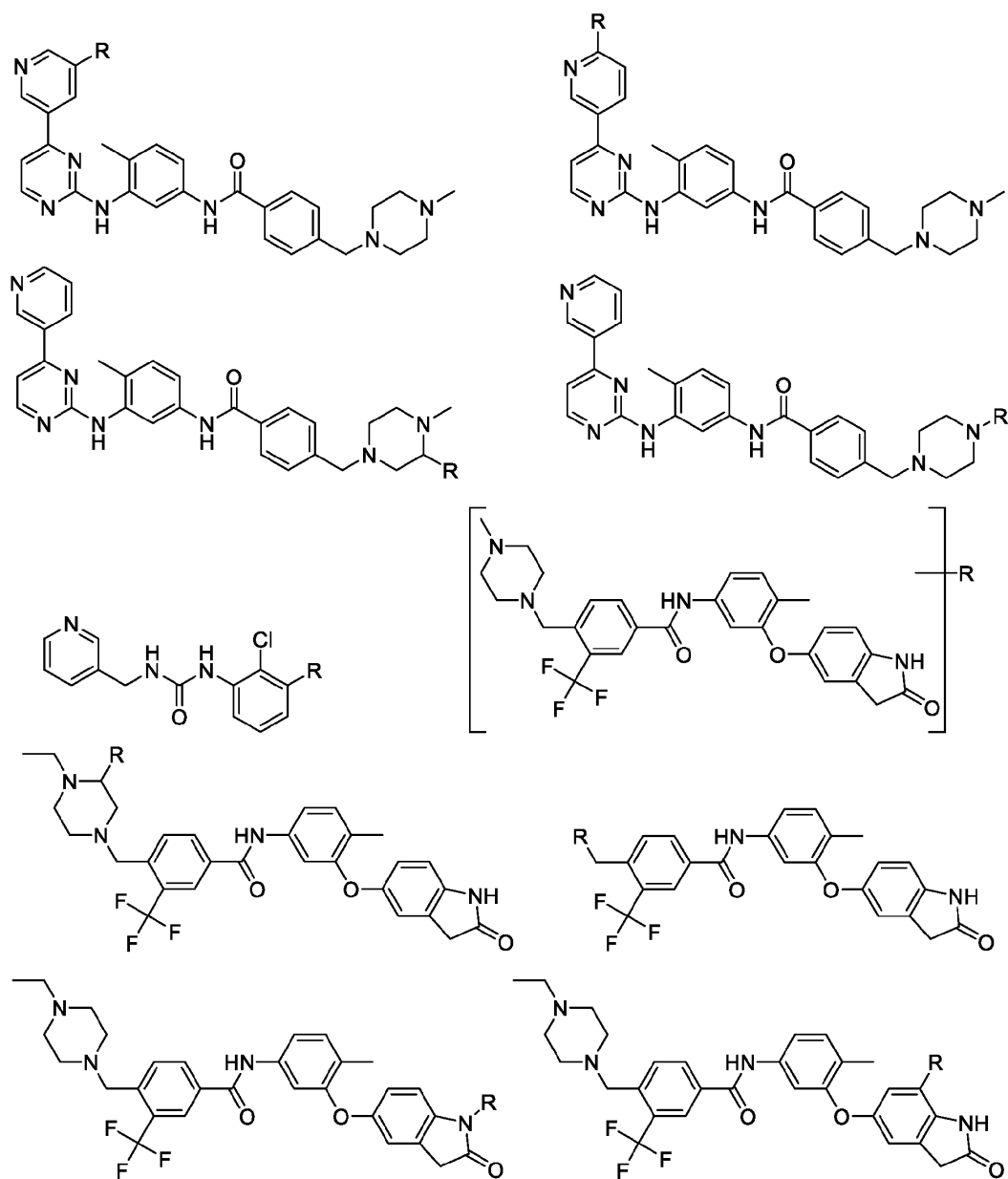


FIG. 8WWW

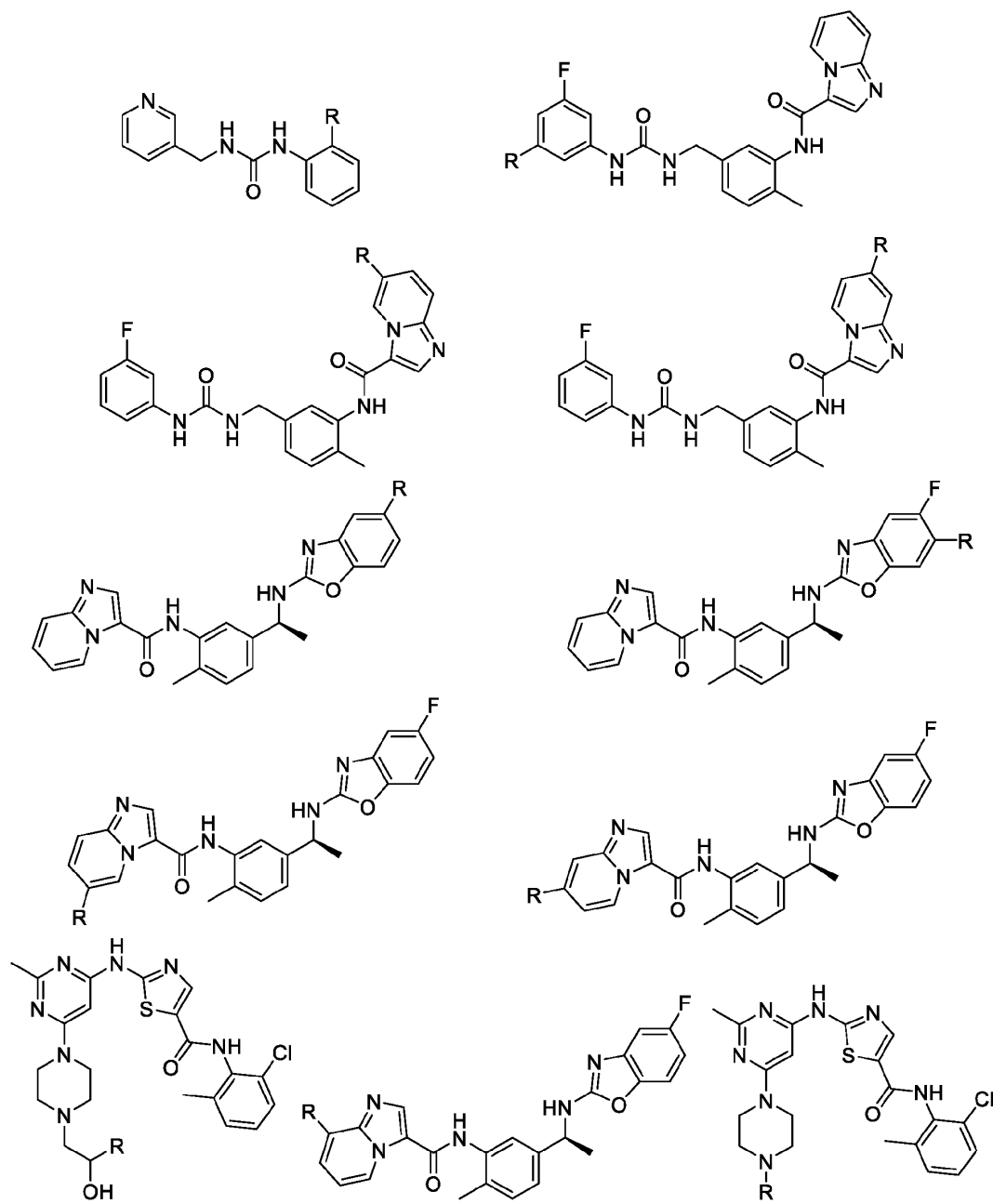




FIG. 8XXX

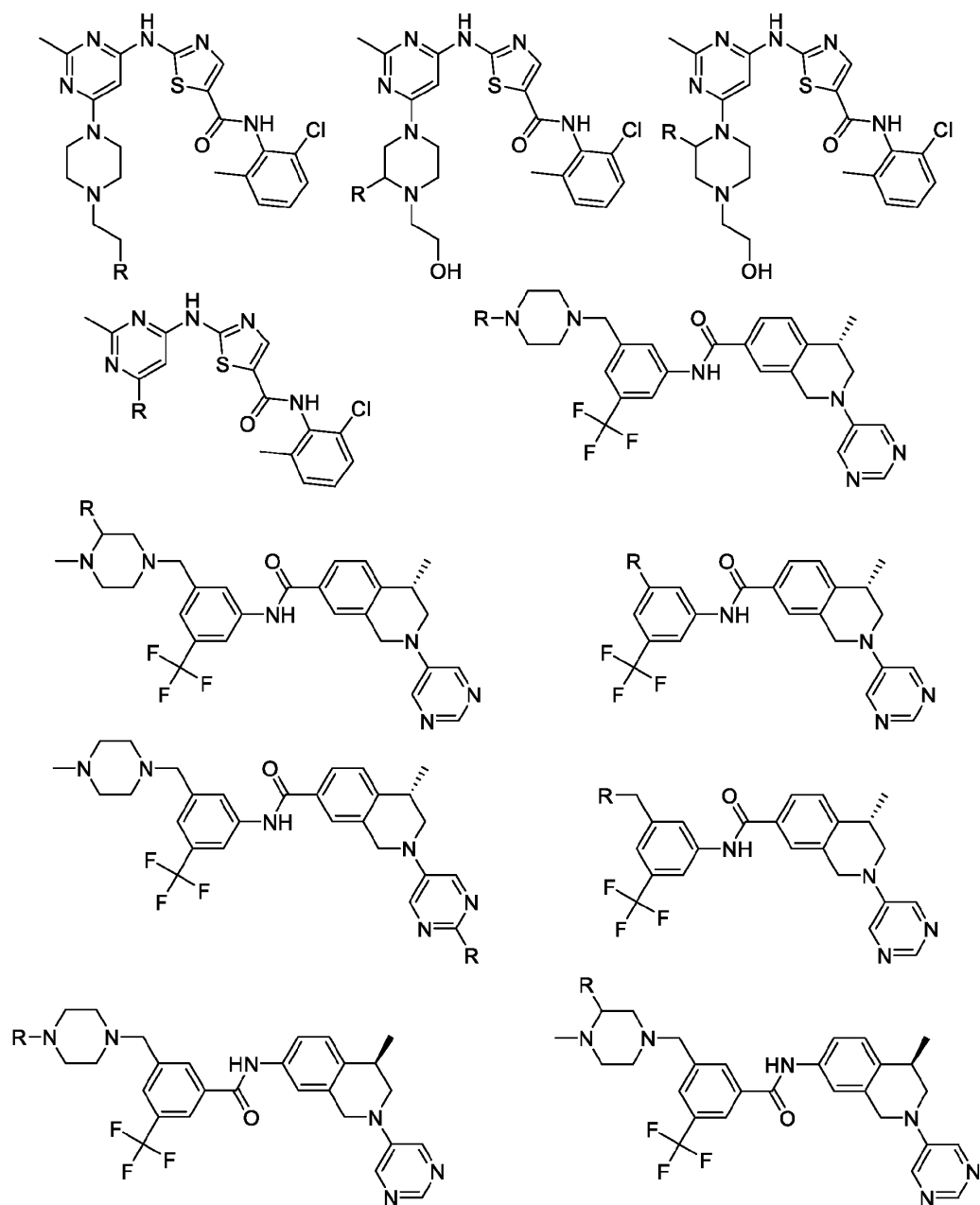


FIG. 8YYY

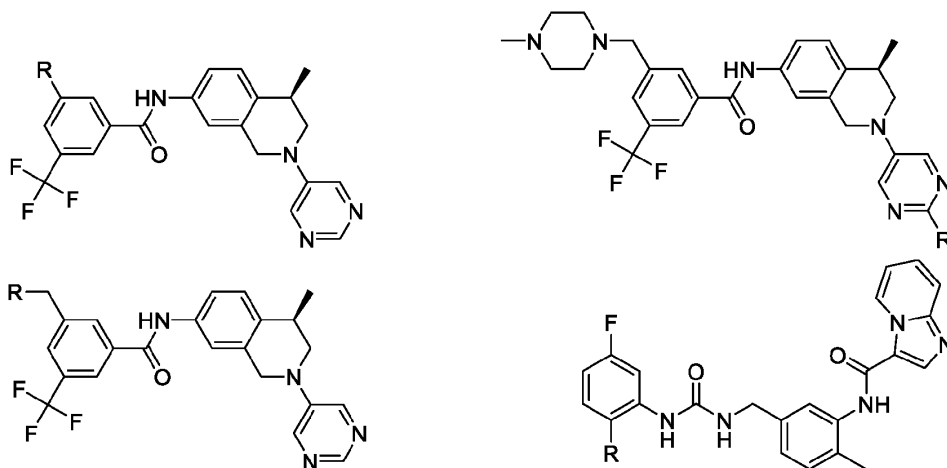


FIG. 8ZZZ

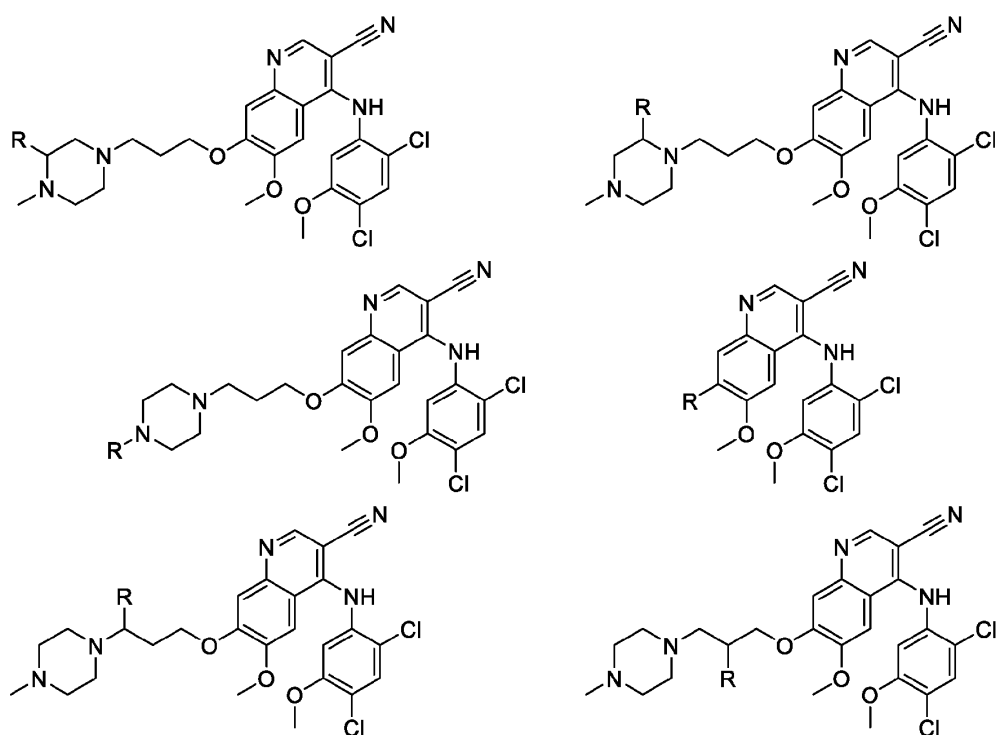


FIG. 8AAAA

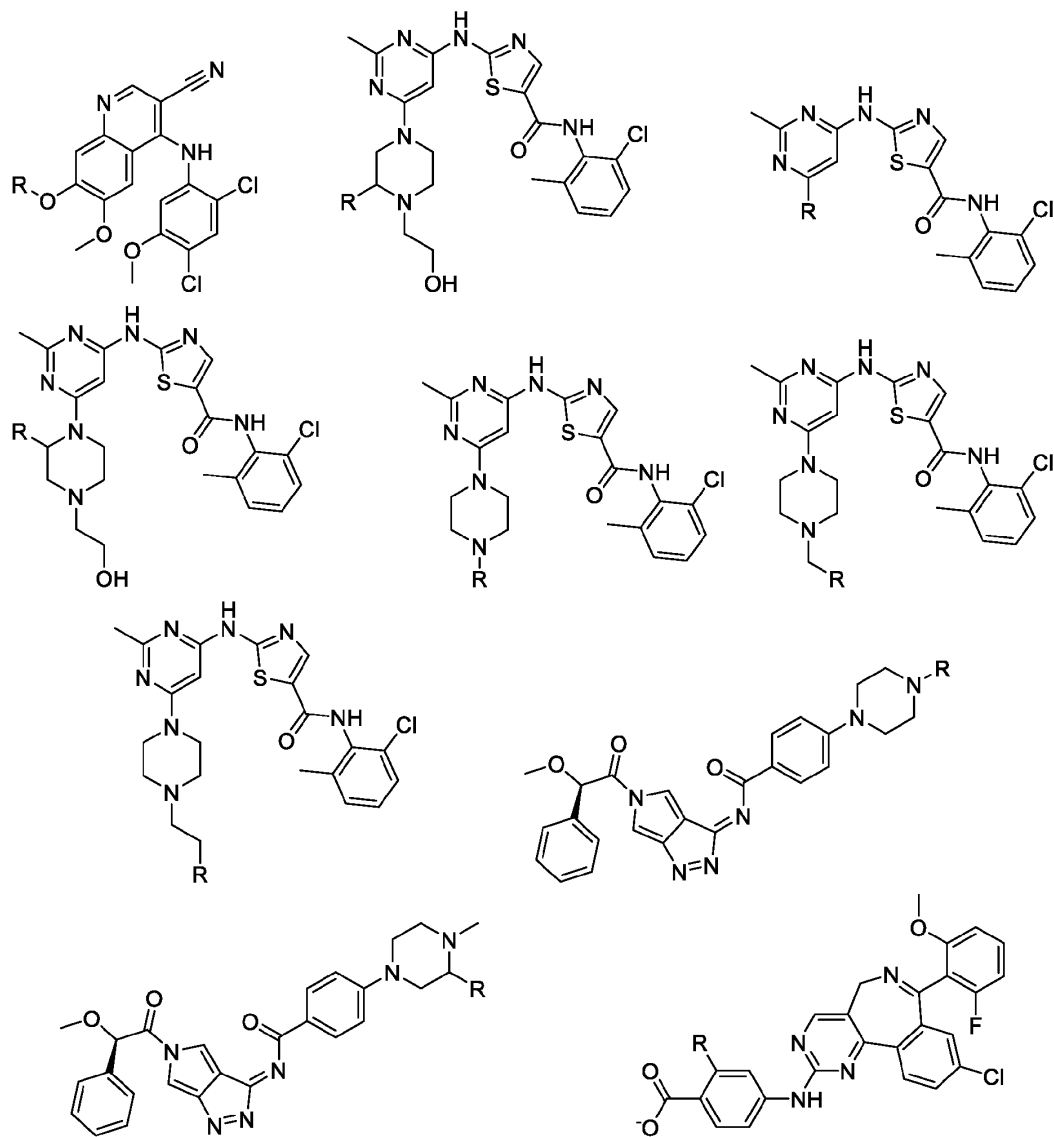


FIG. 8BBBB

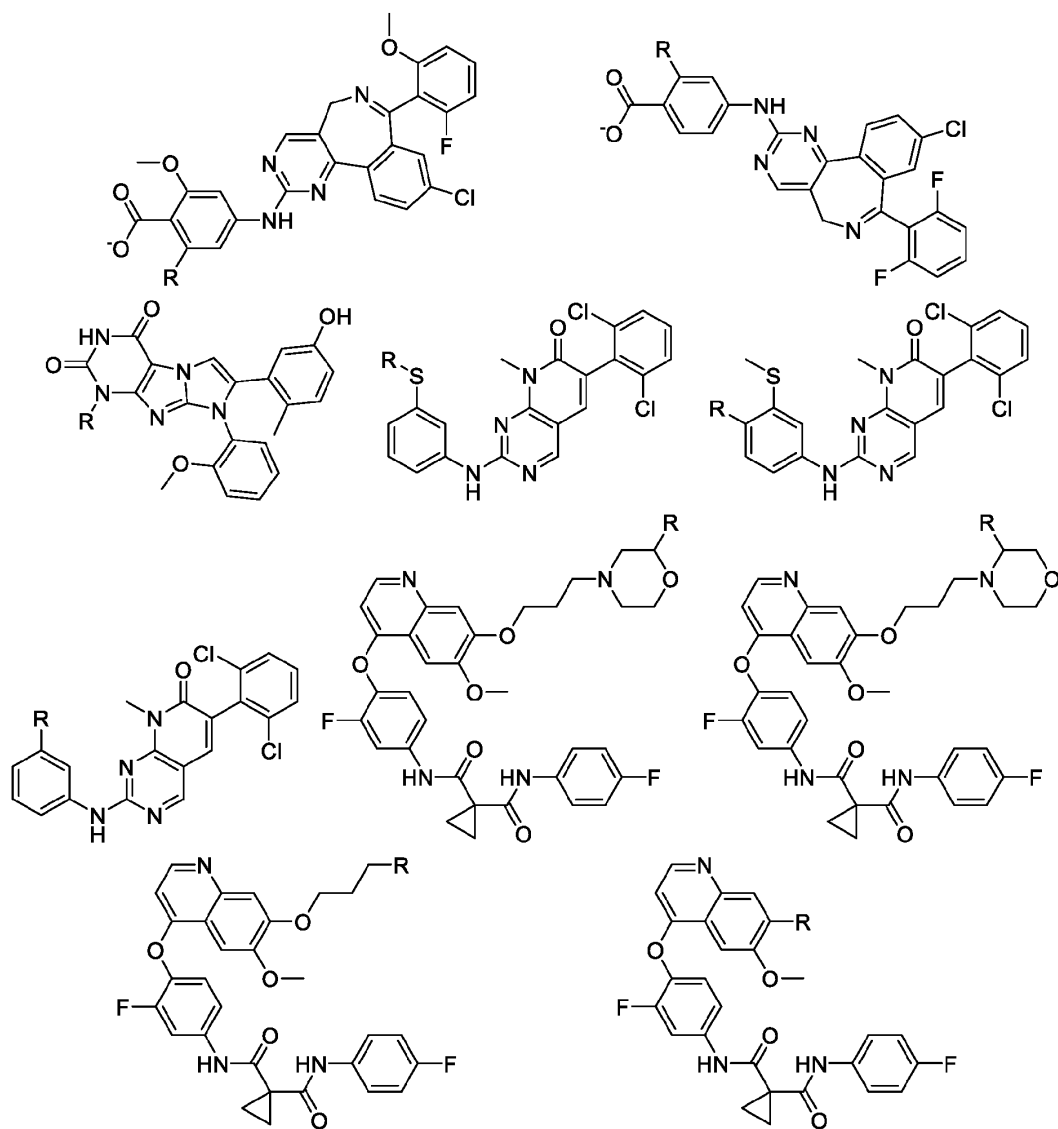


FIG. 8CCCC

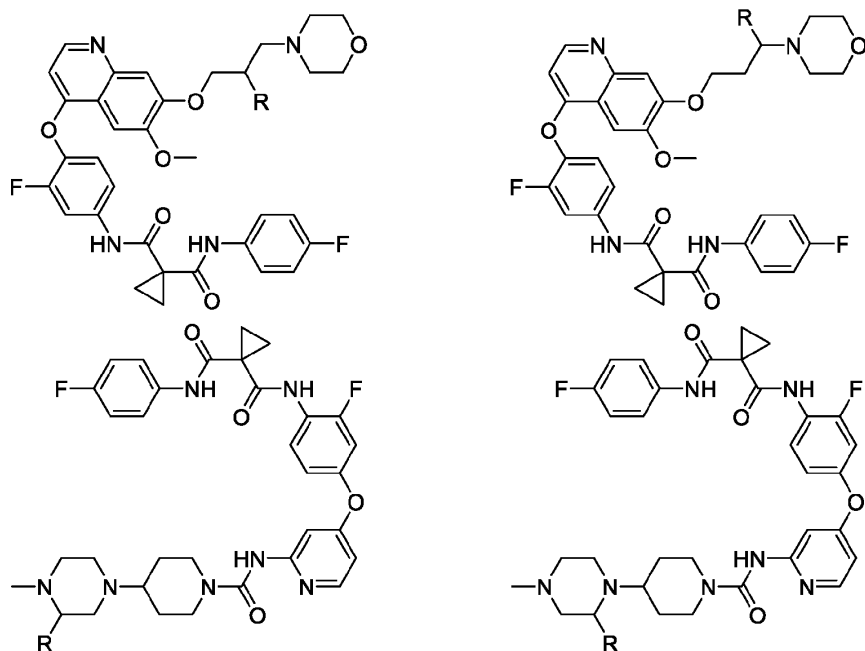


FIG. 8DDDD

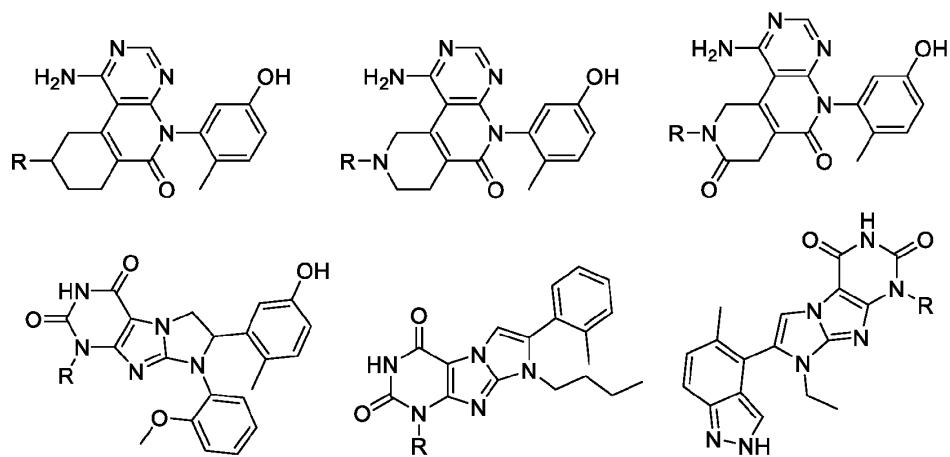


FIG. 8EEEE

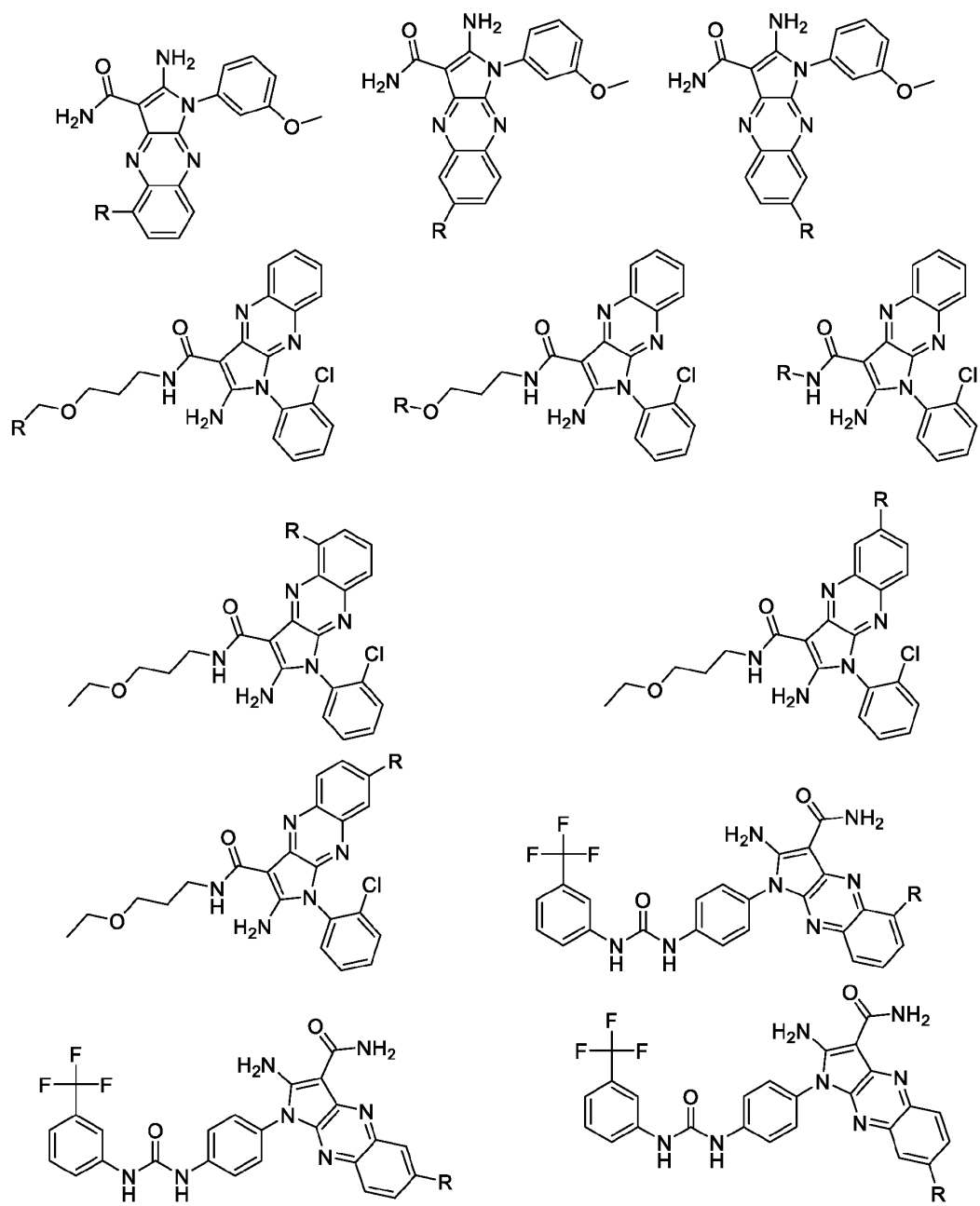


FIG. 8FFFF

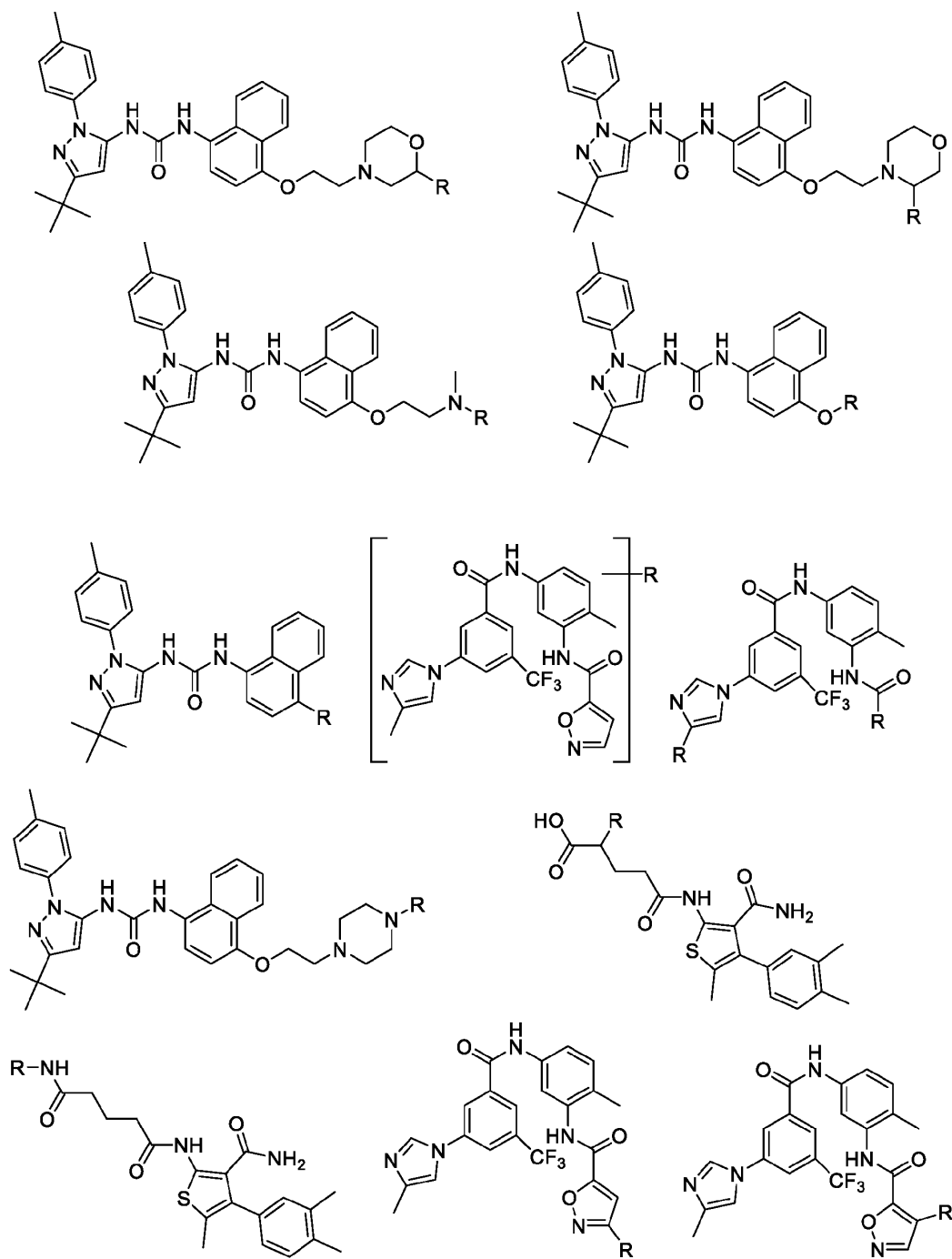


FIG. 8GGGG

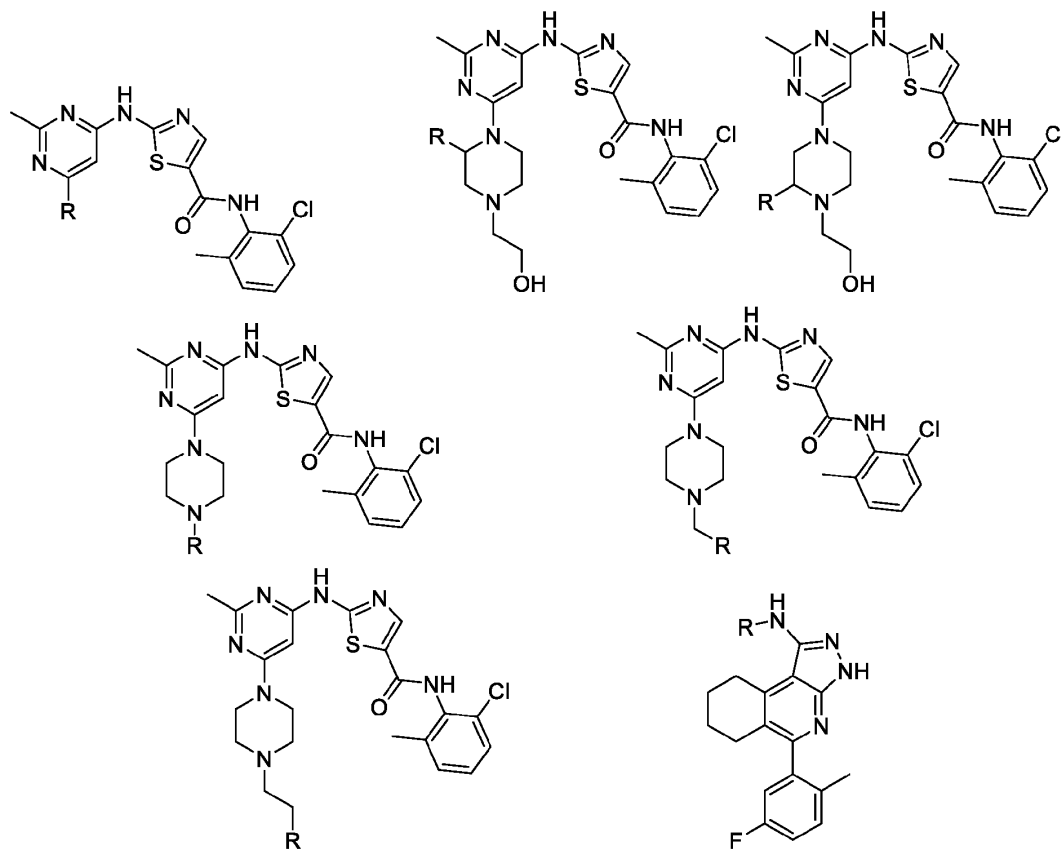


FIG. 8HHHH

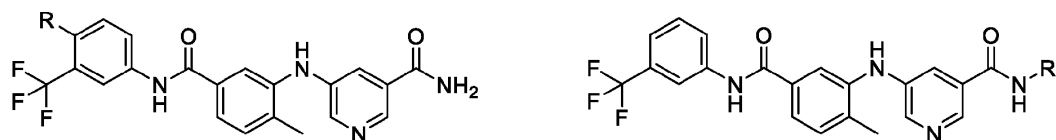


FIG. 8IIII

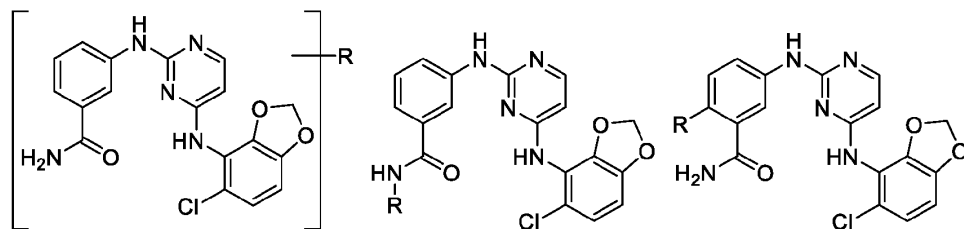




FIG. 8JJJ

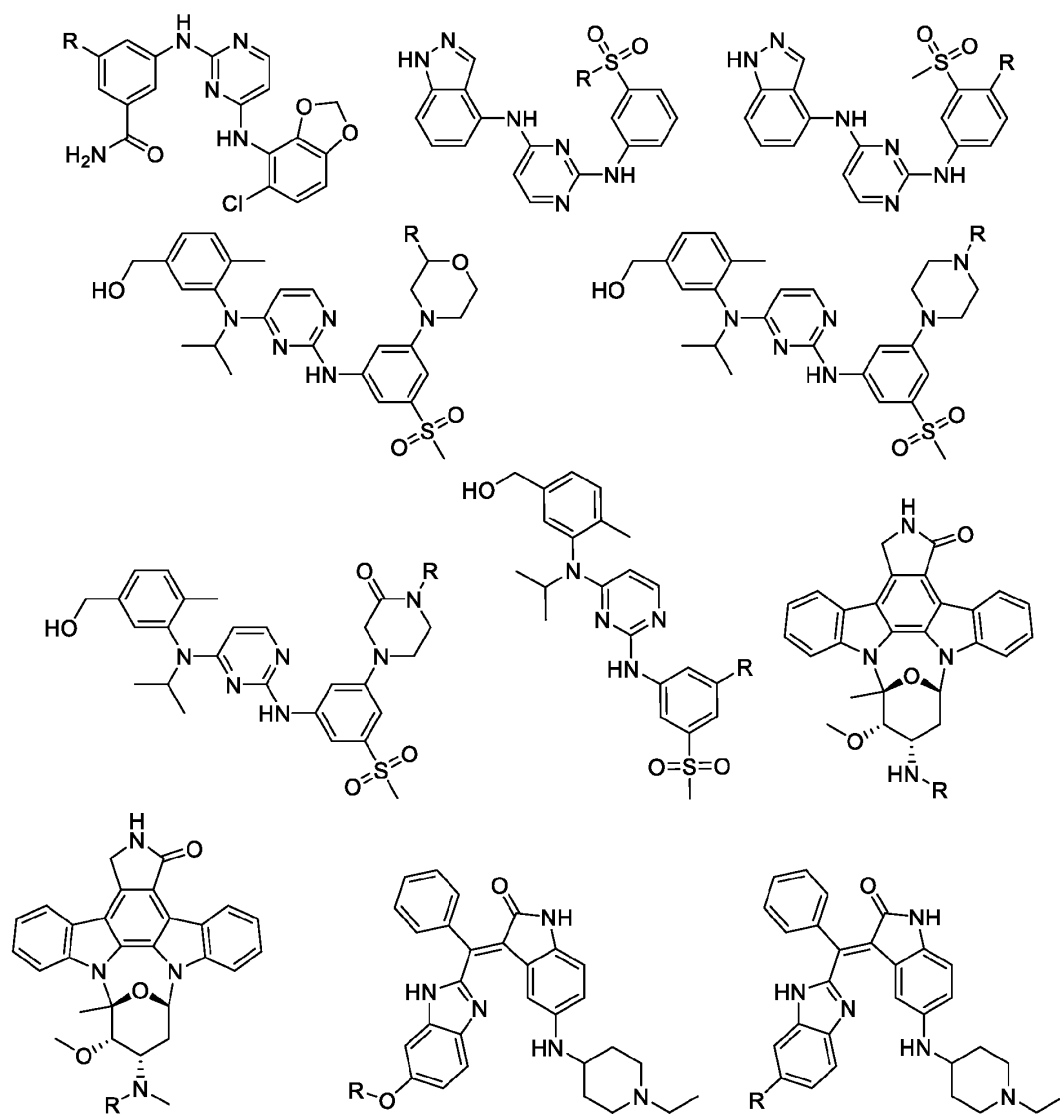


FIG. 8KKKK

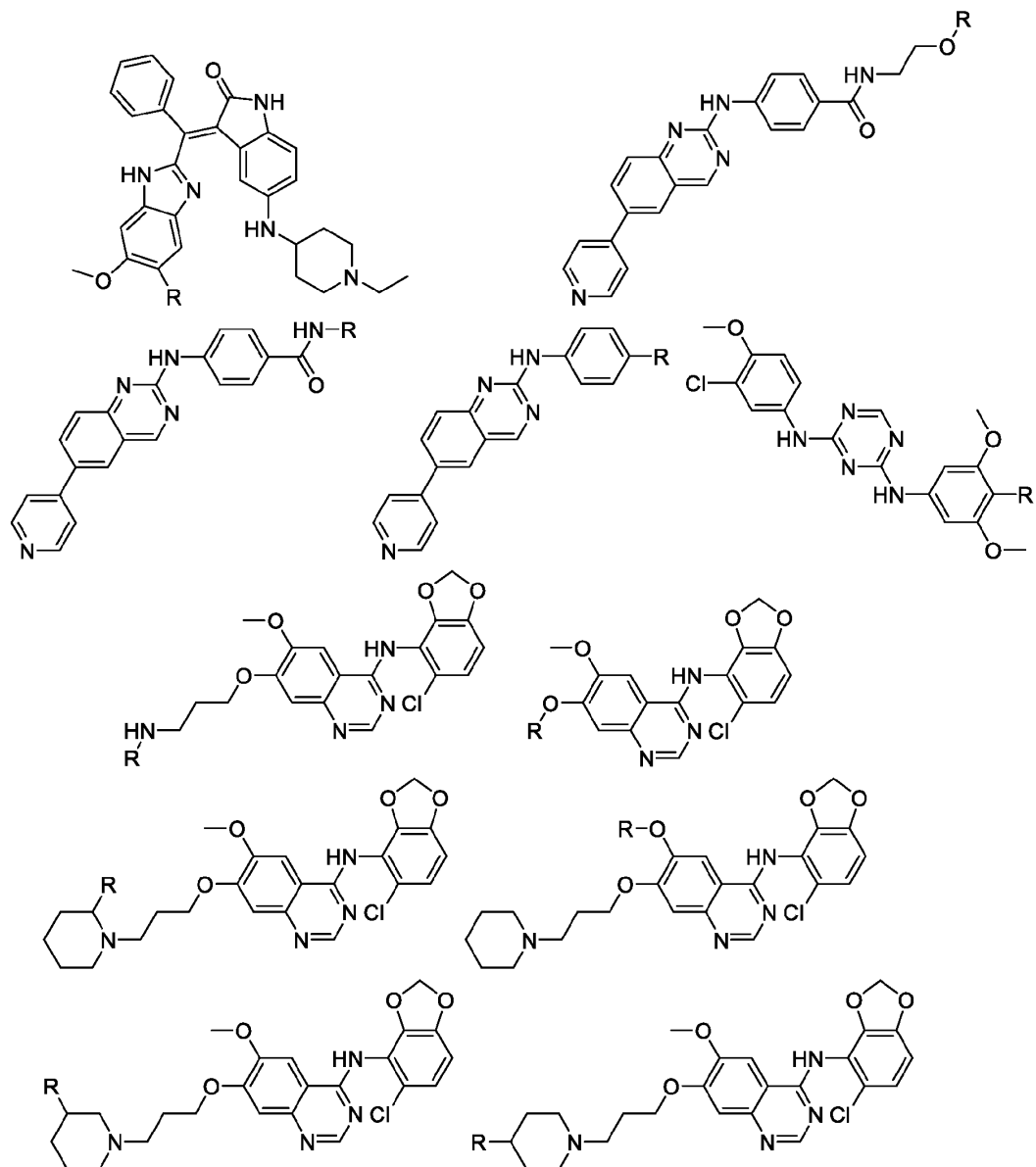


FIG. 8LLLL

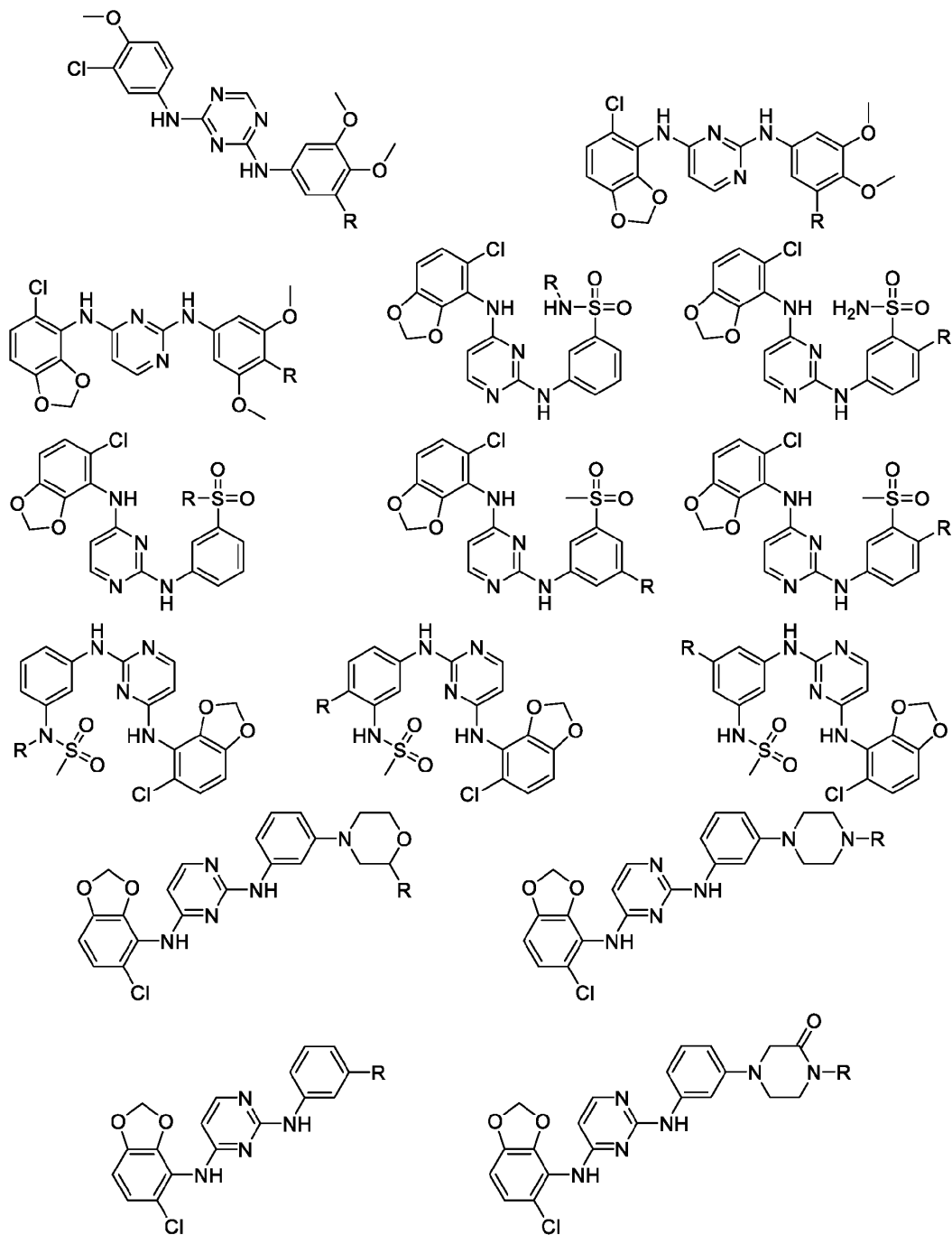


FIG. 8MMMM

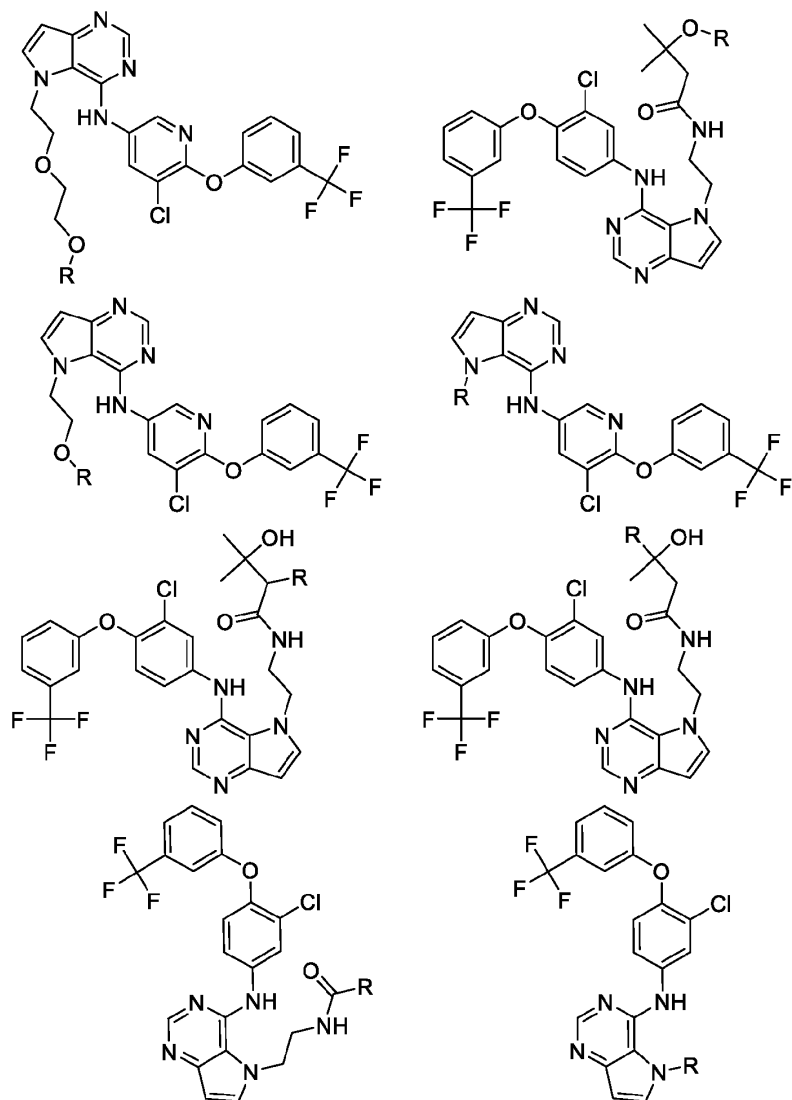


FIG. 8NNNN

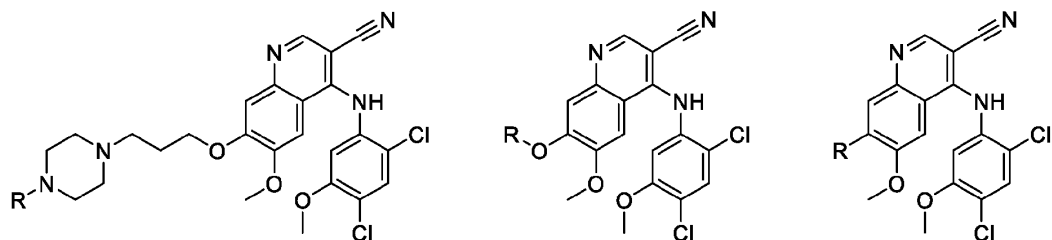


FIG. 8O000

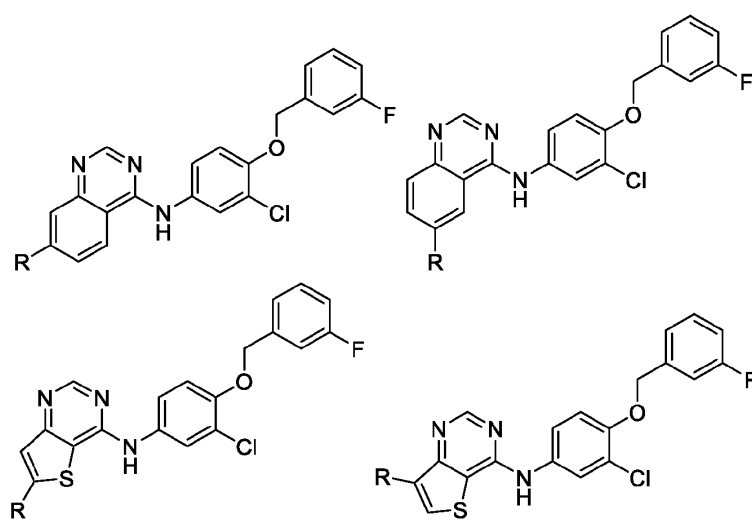


FIG. 8PPPP

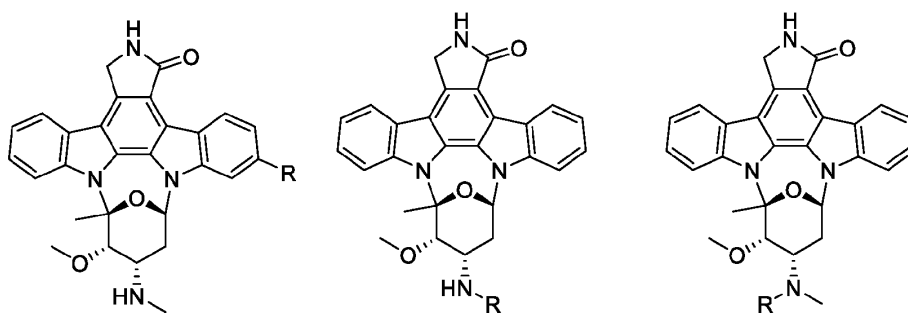


FIG. 8QQQQ

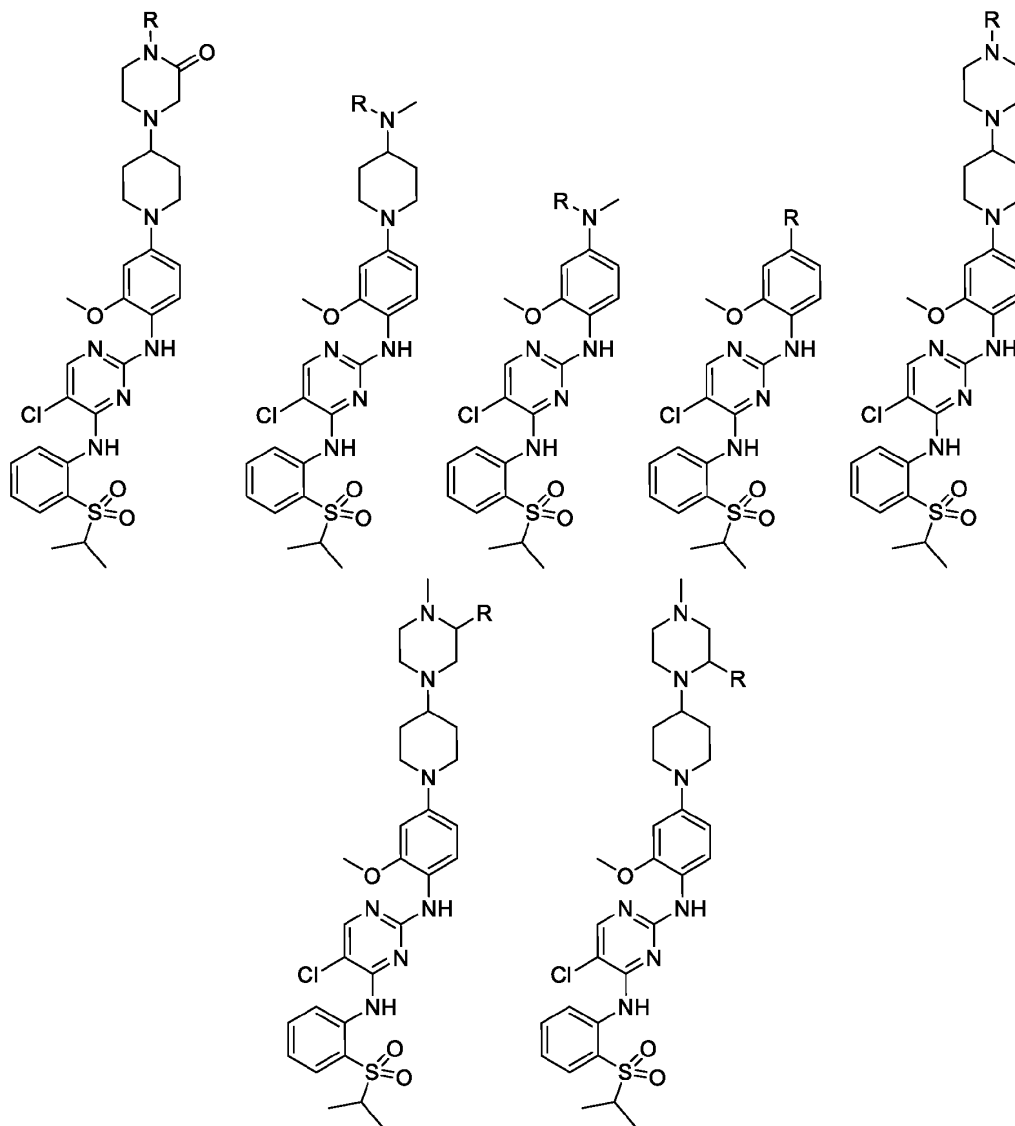


FIG. 8RRRR

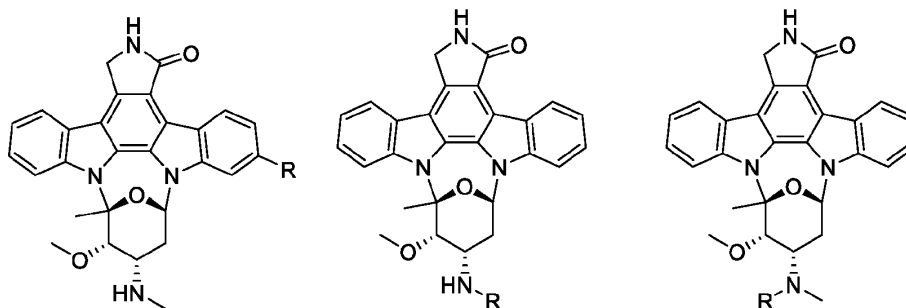


FIG. 8SSSS

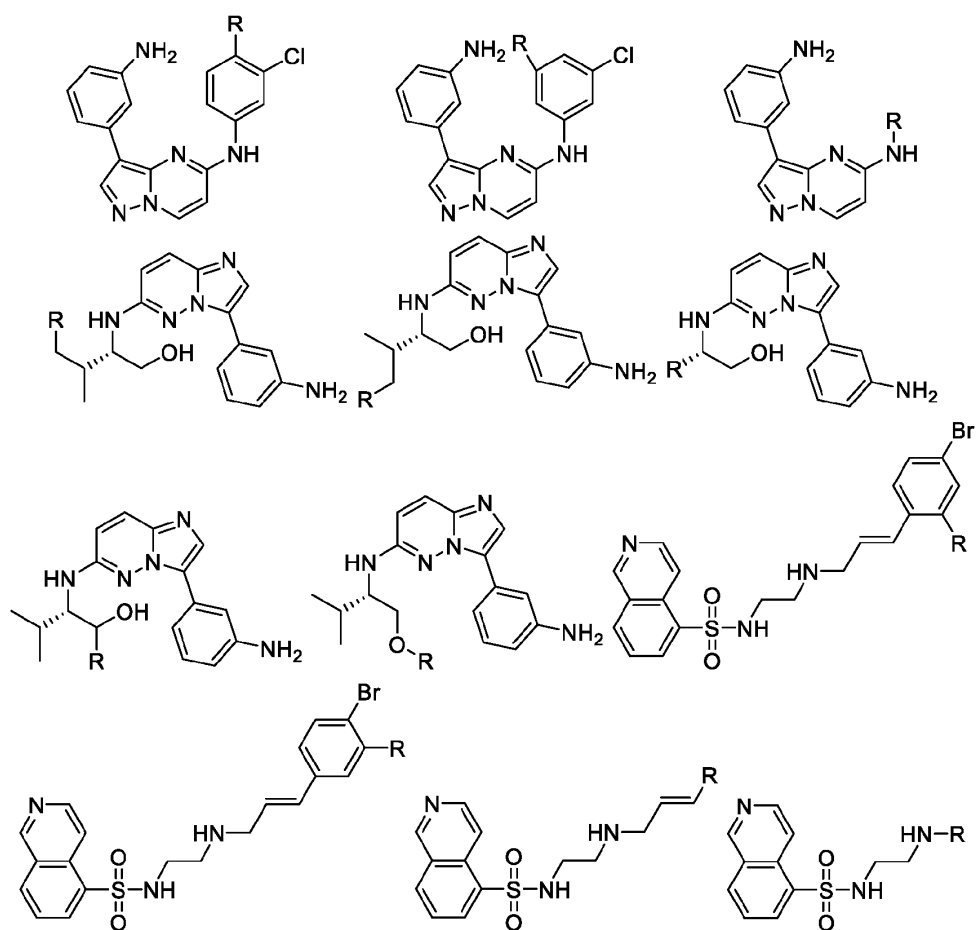


FIG. 8TTTT

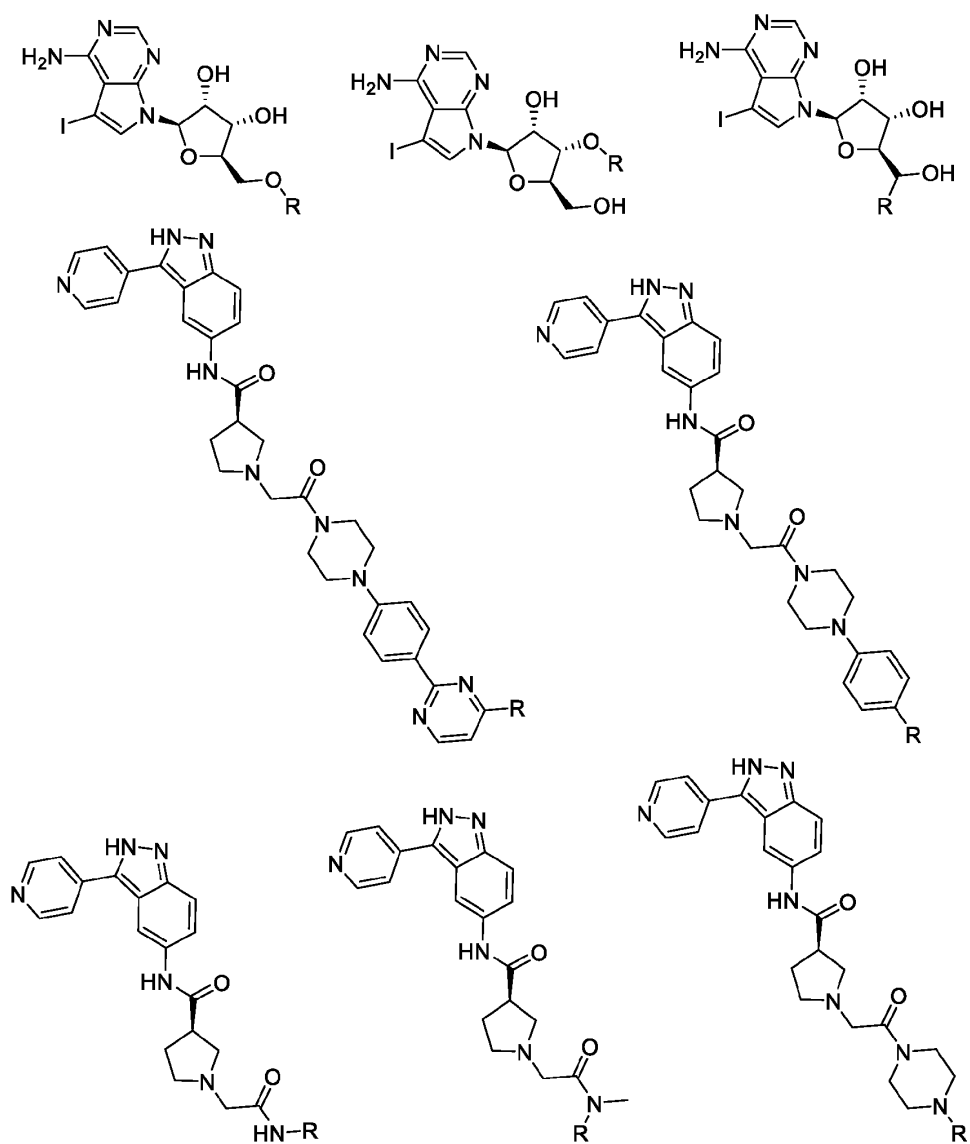




FIG. 8UUUU

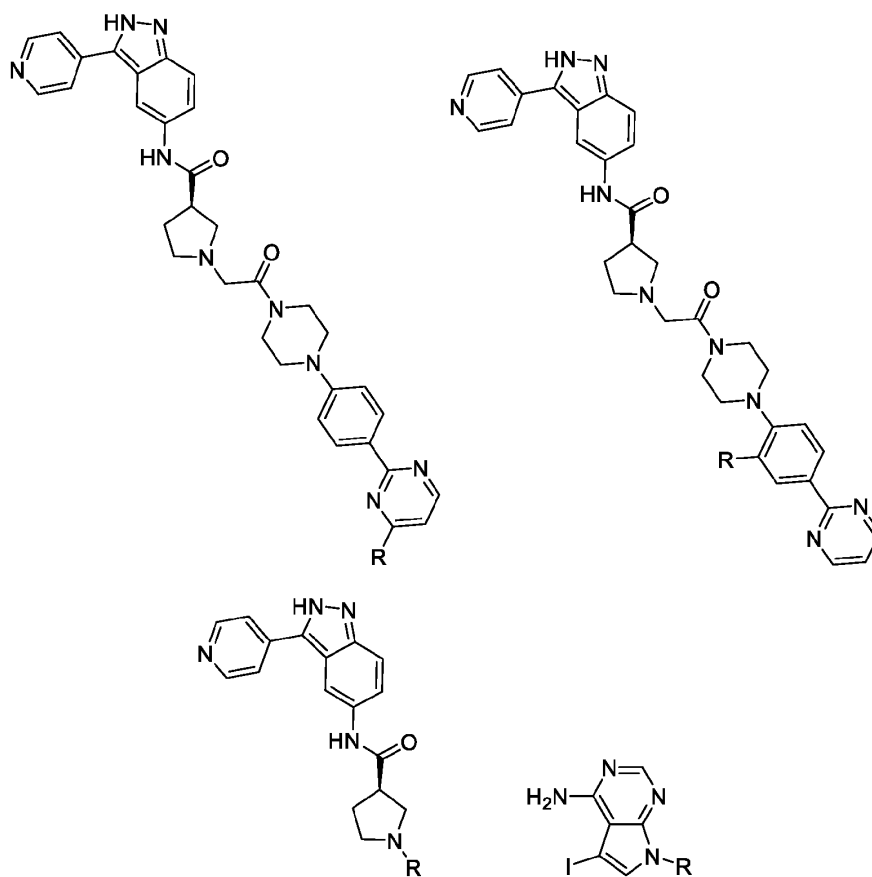


FIG. 8VVVV

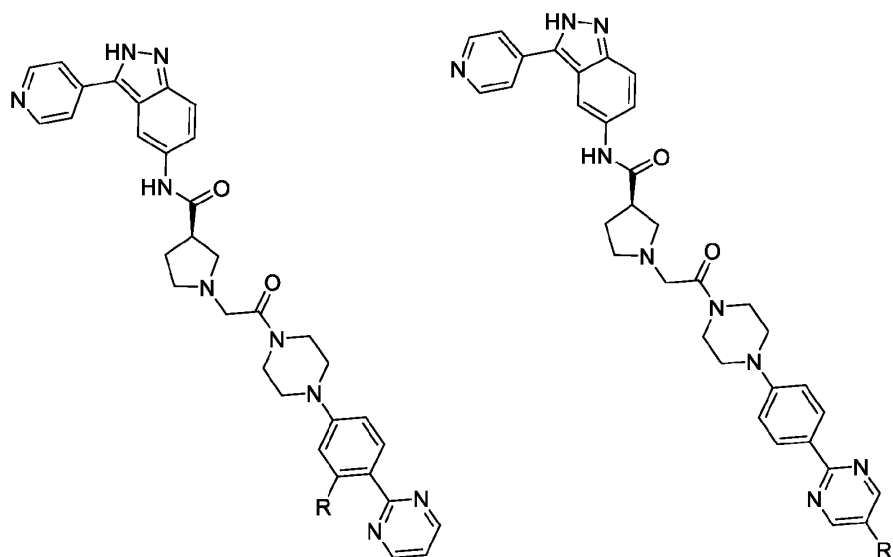


FIG. 8WWWW

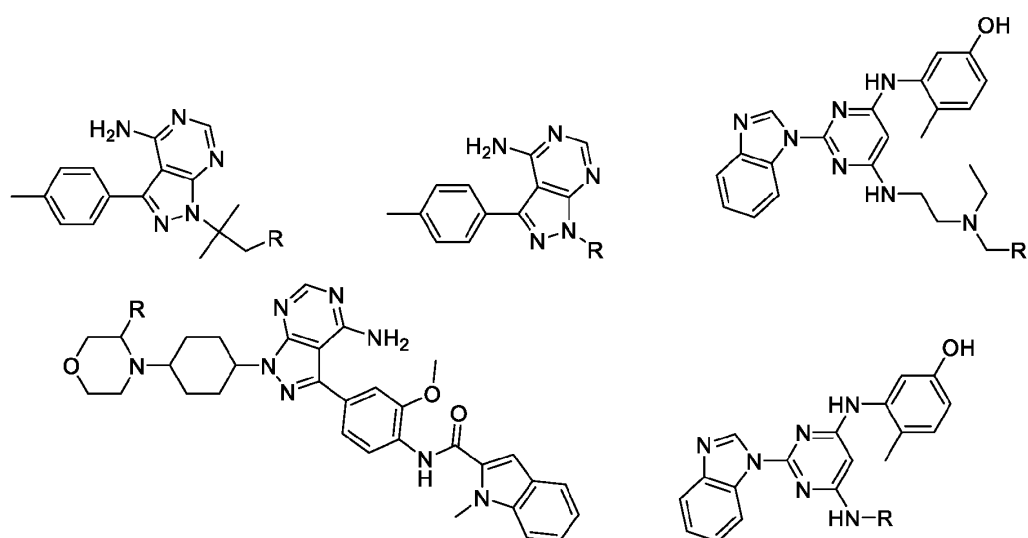


FIG. 8XXX

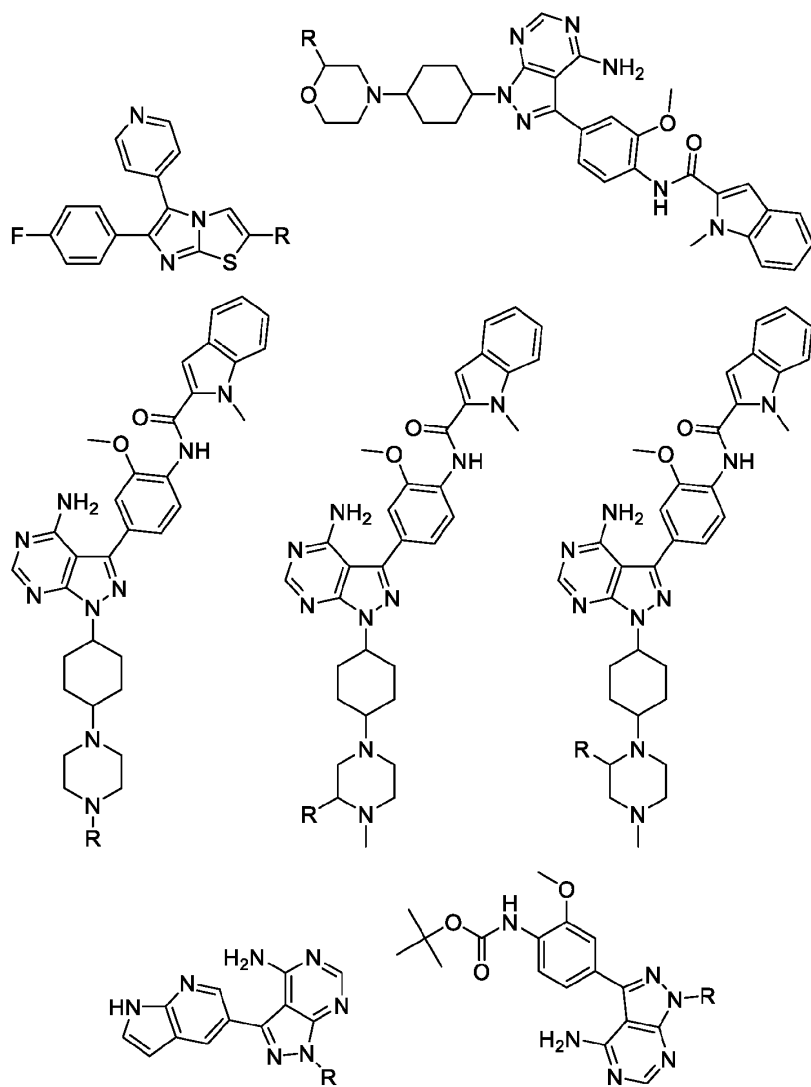


FIG. 8YYYY

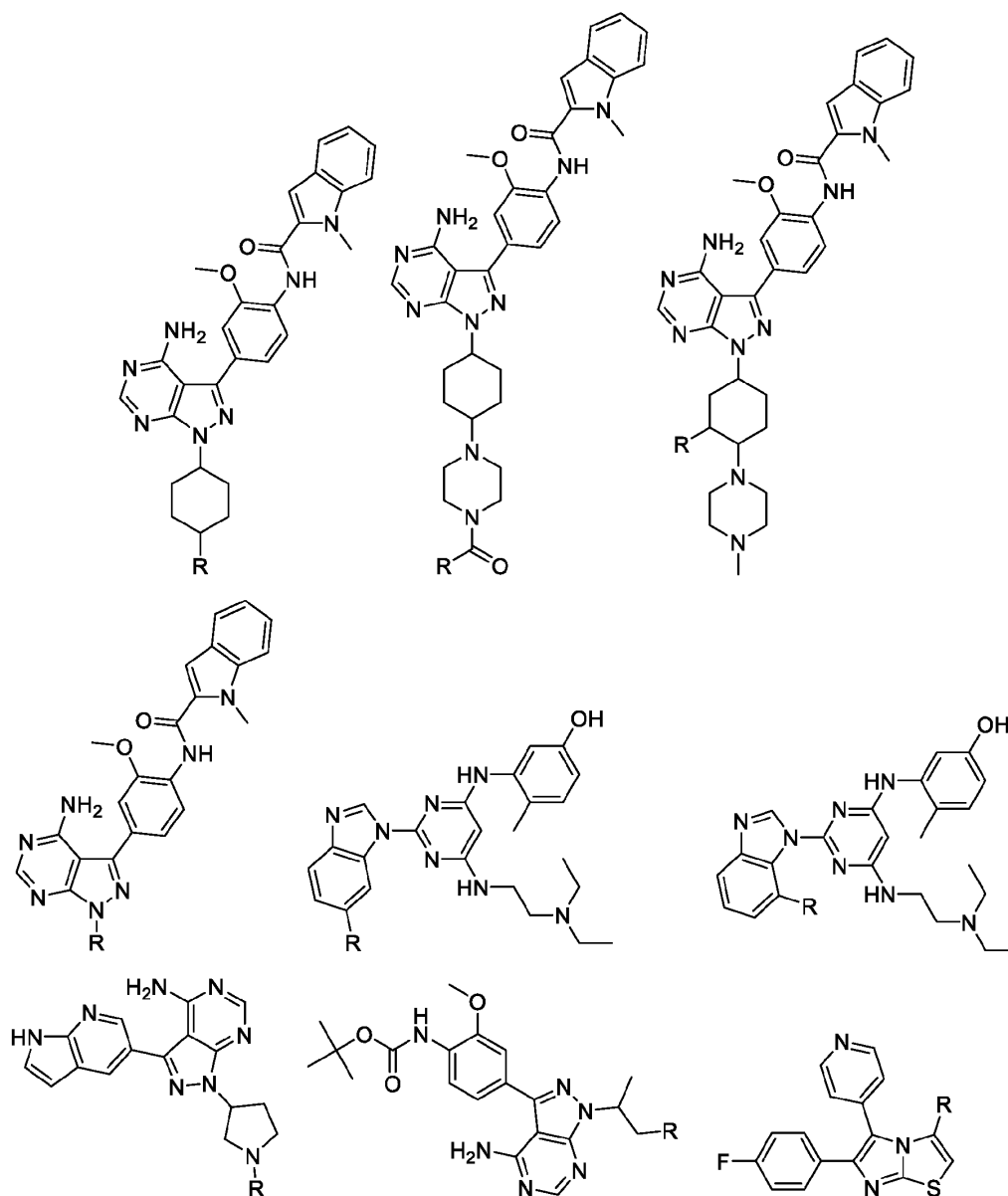


FIG. 8ZZZZ

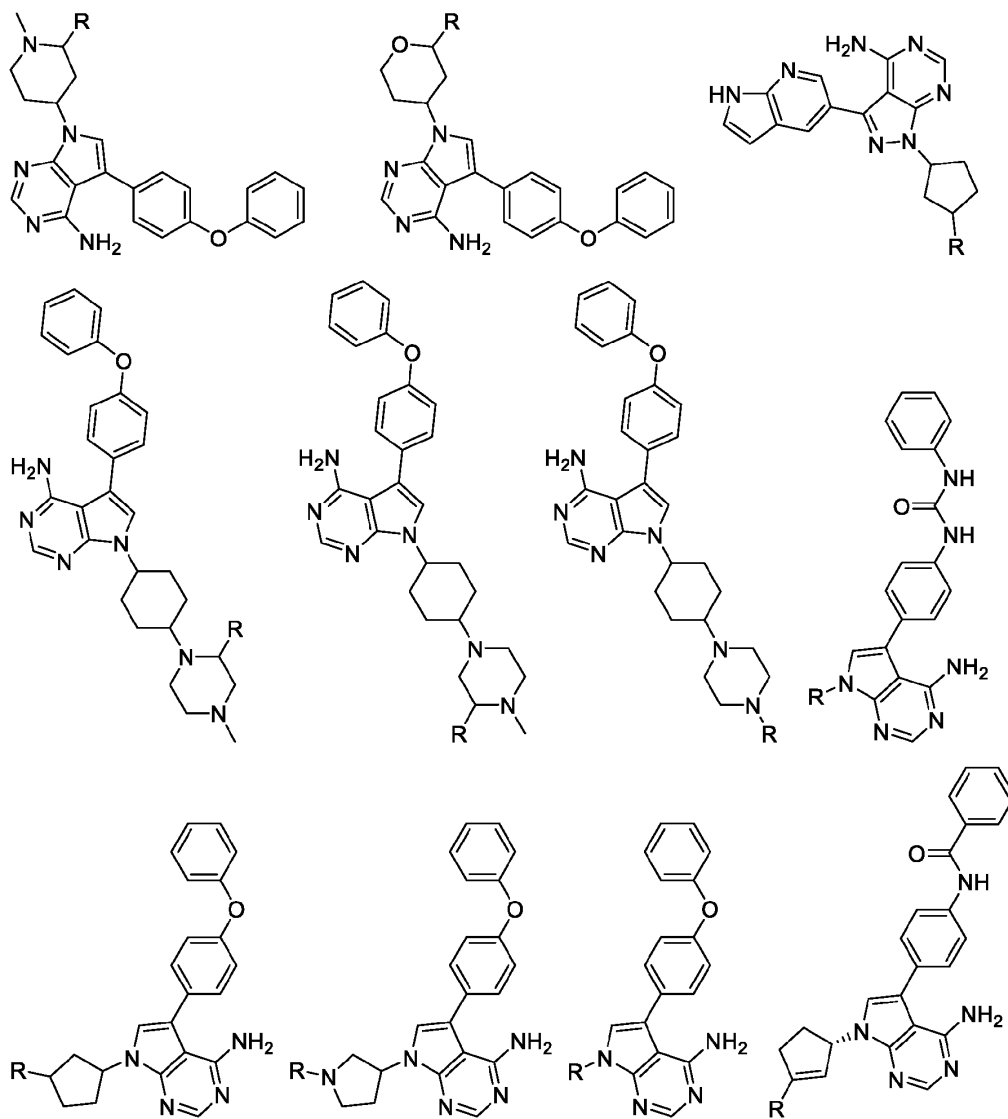


FIG. 8AAAAA

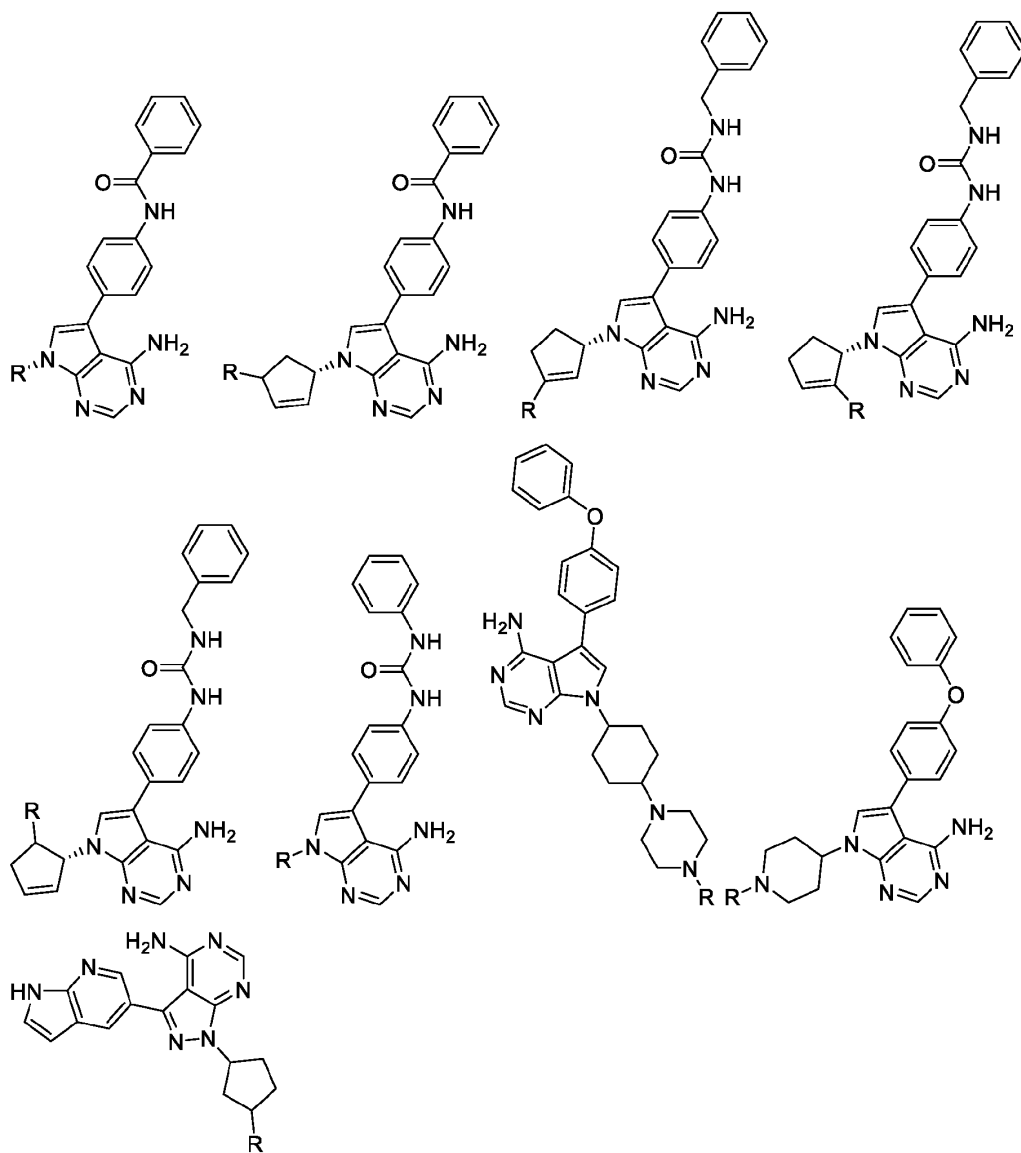


FIG. 8BBBBB

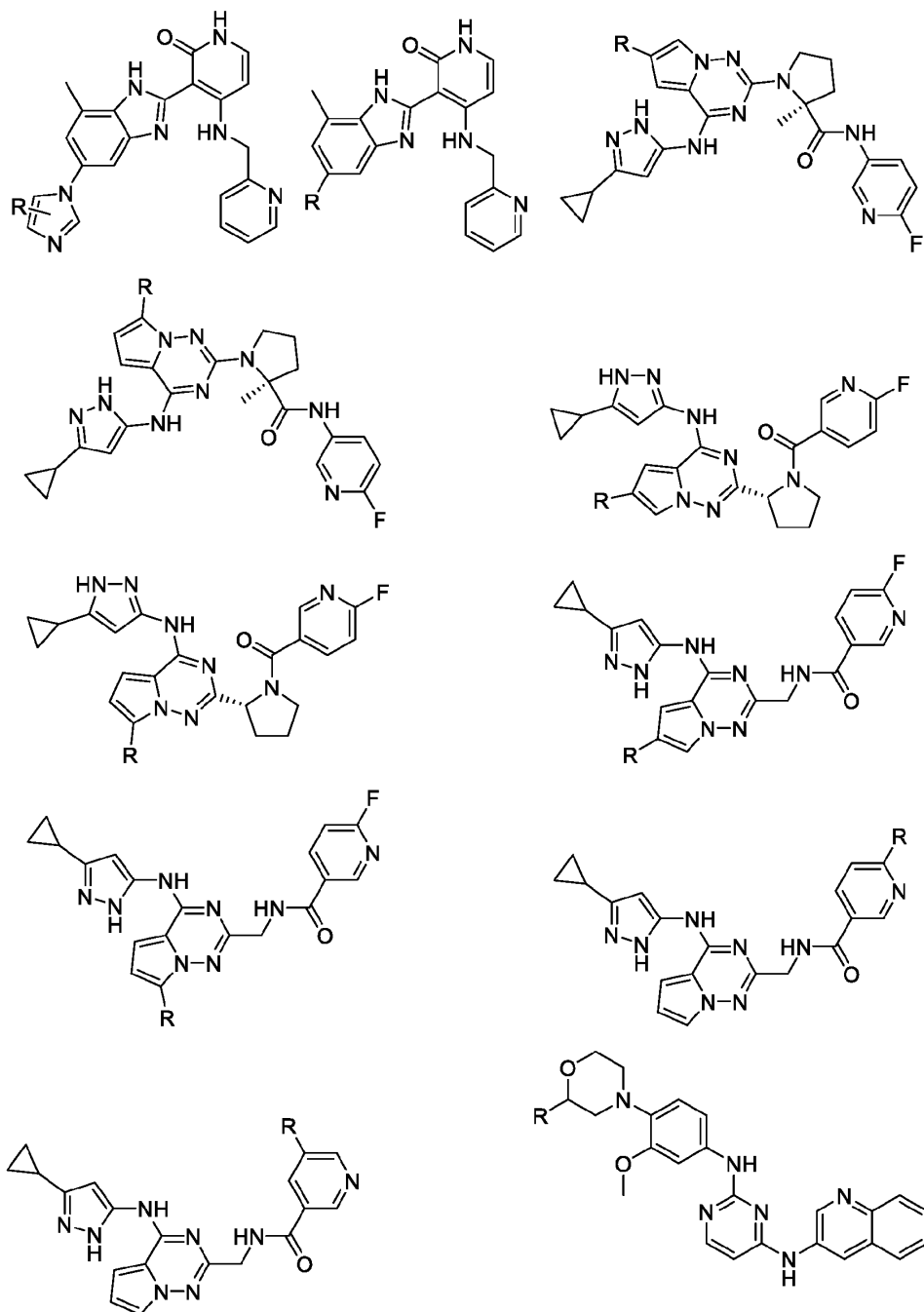


FIG. 8CCCCC

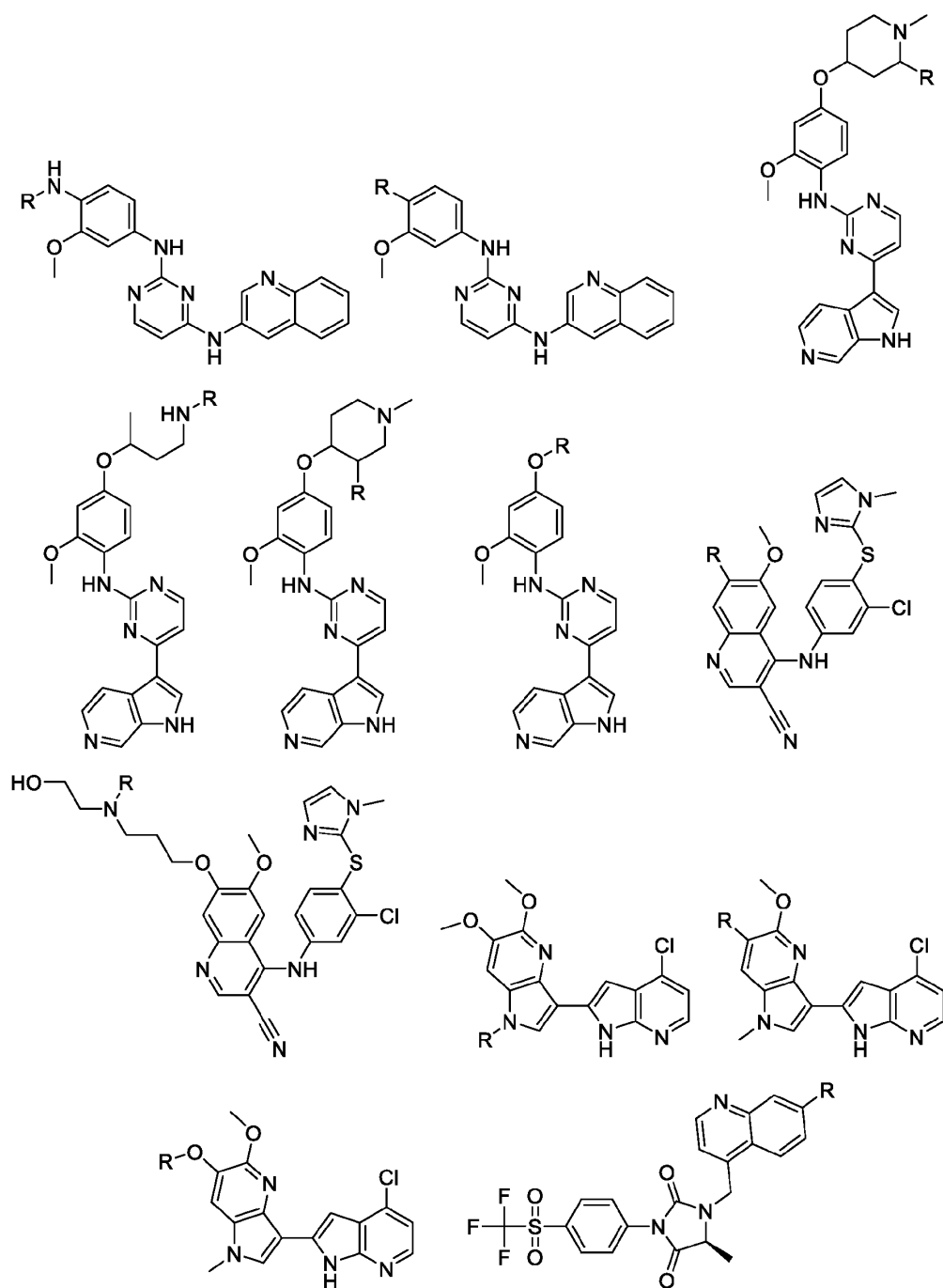




FIG. 8DDDDDD

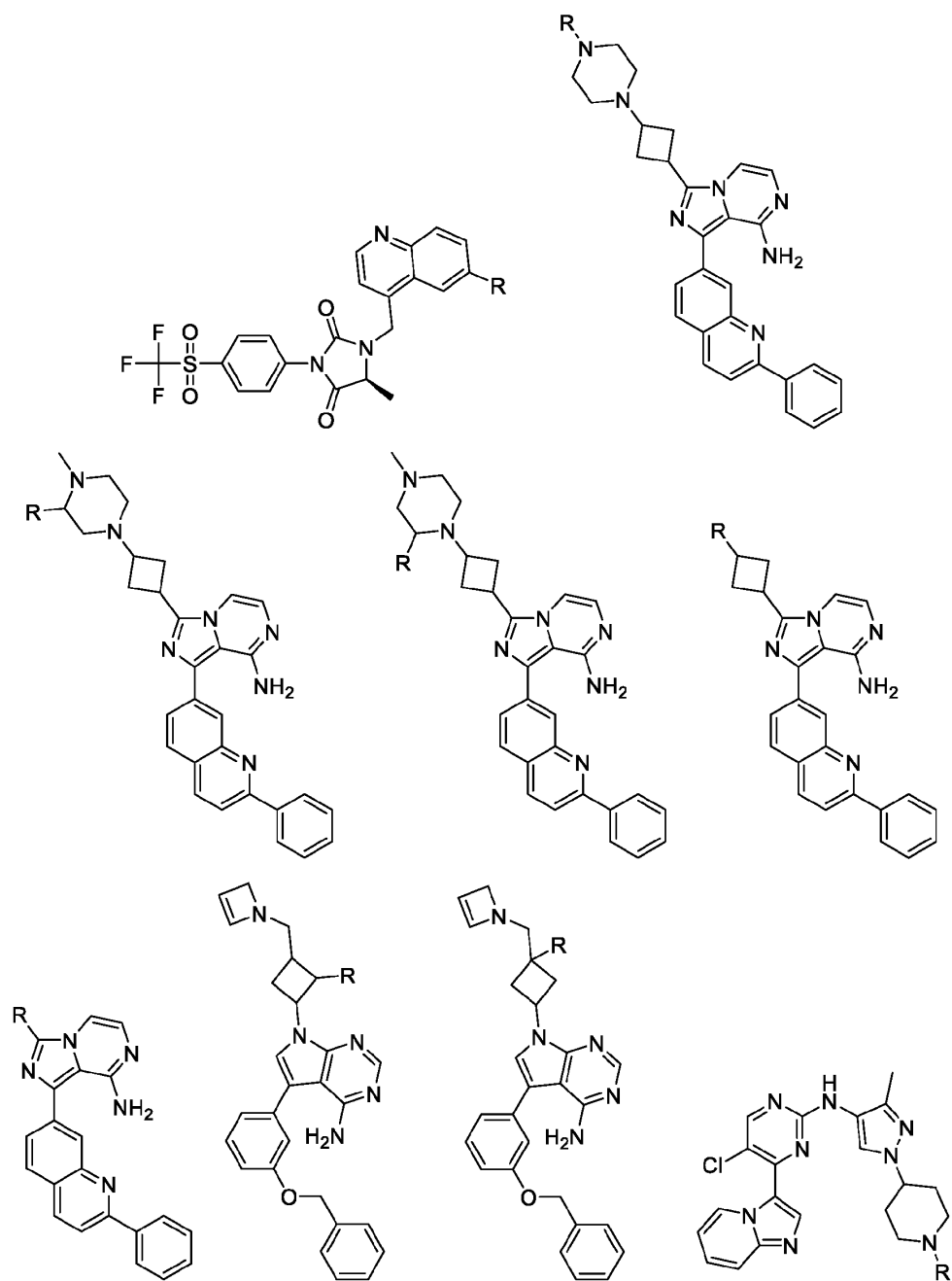


FIG. 8EEEE

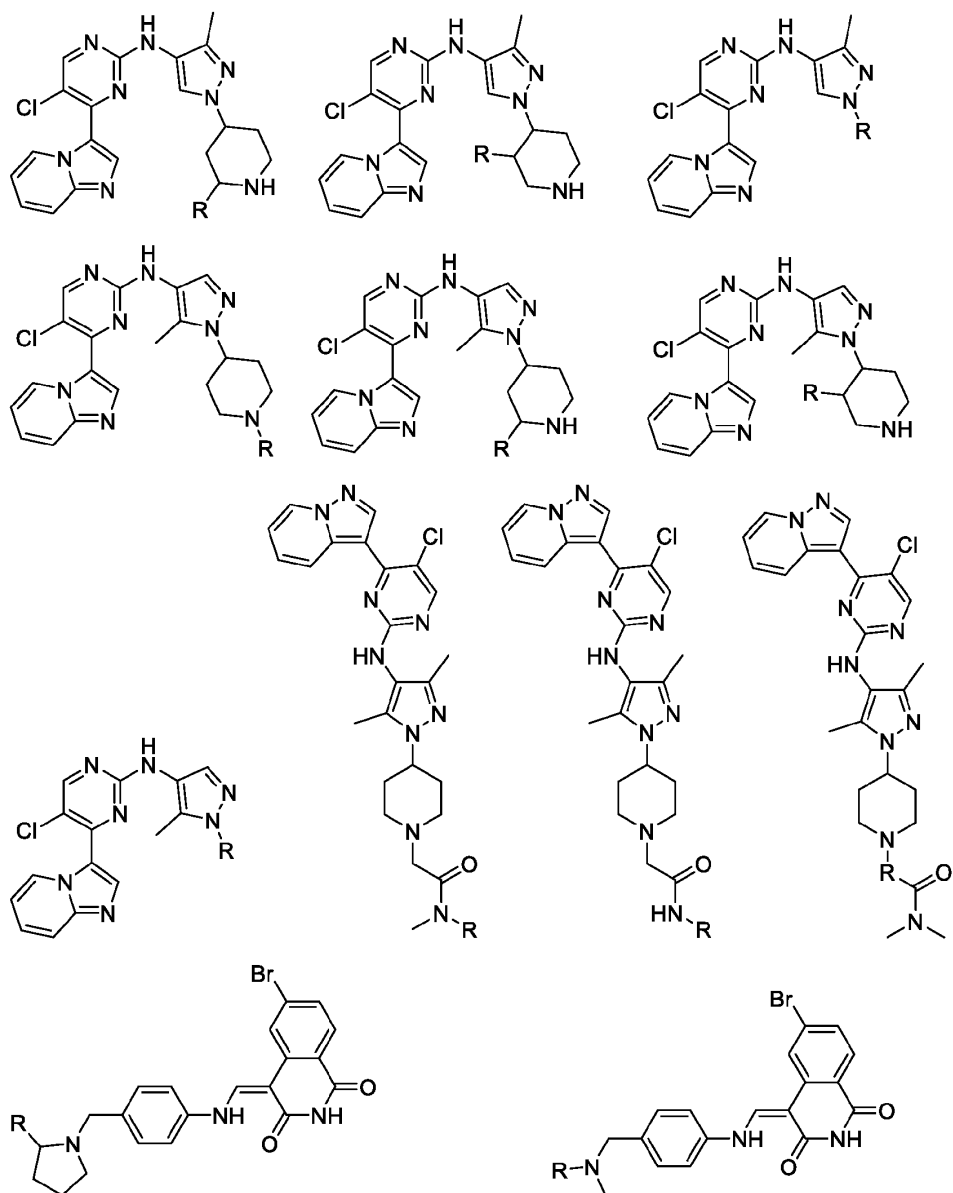


FIG. 8FFFFF

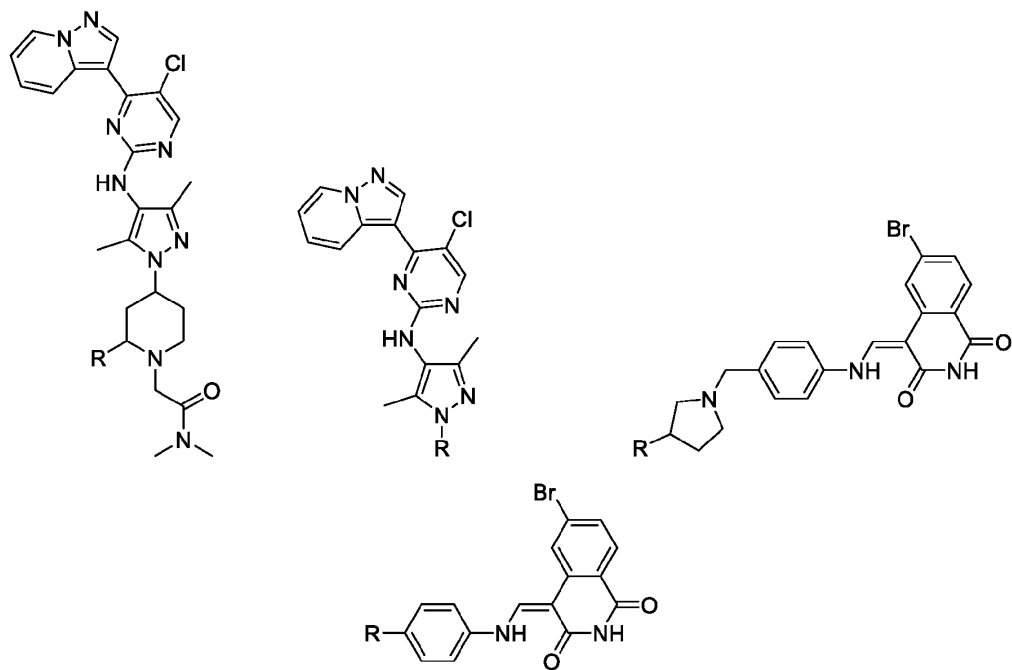


FIG. 8GGGGG

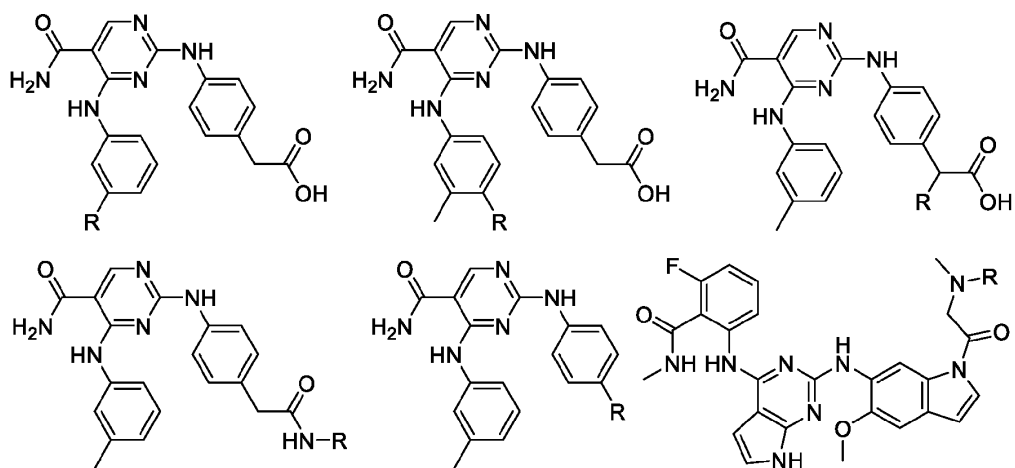


FIG. 8HHHHH

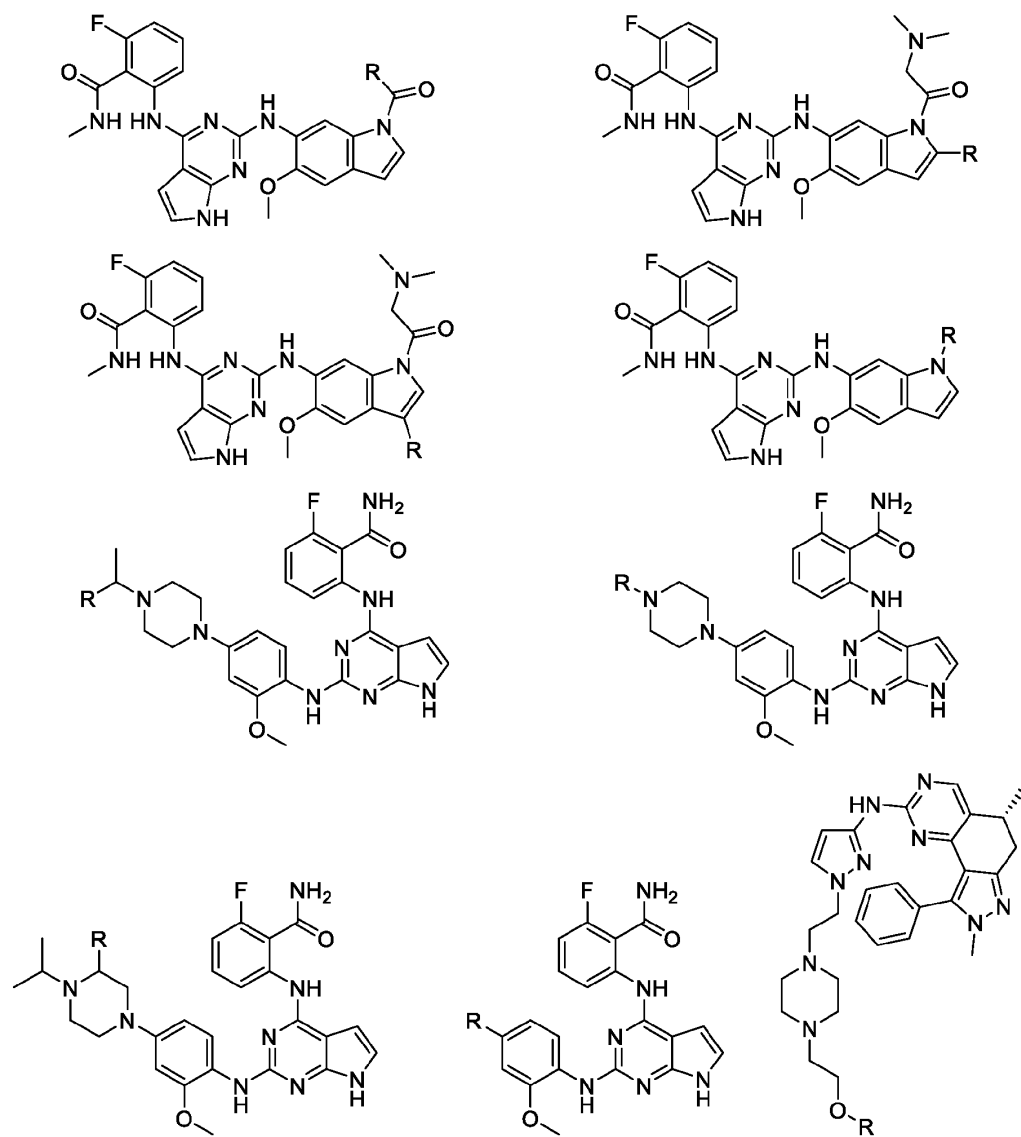


FIG. 8IIII

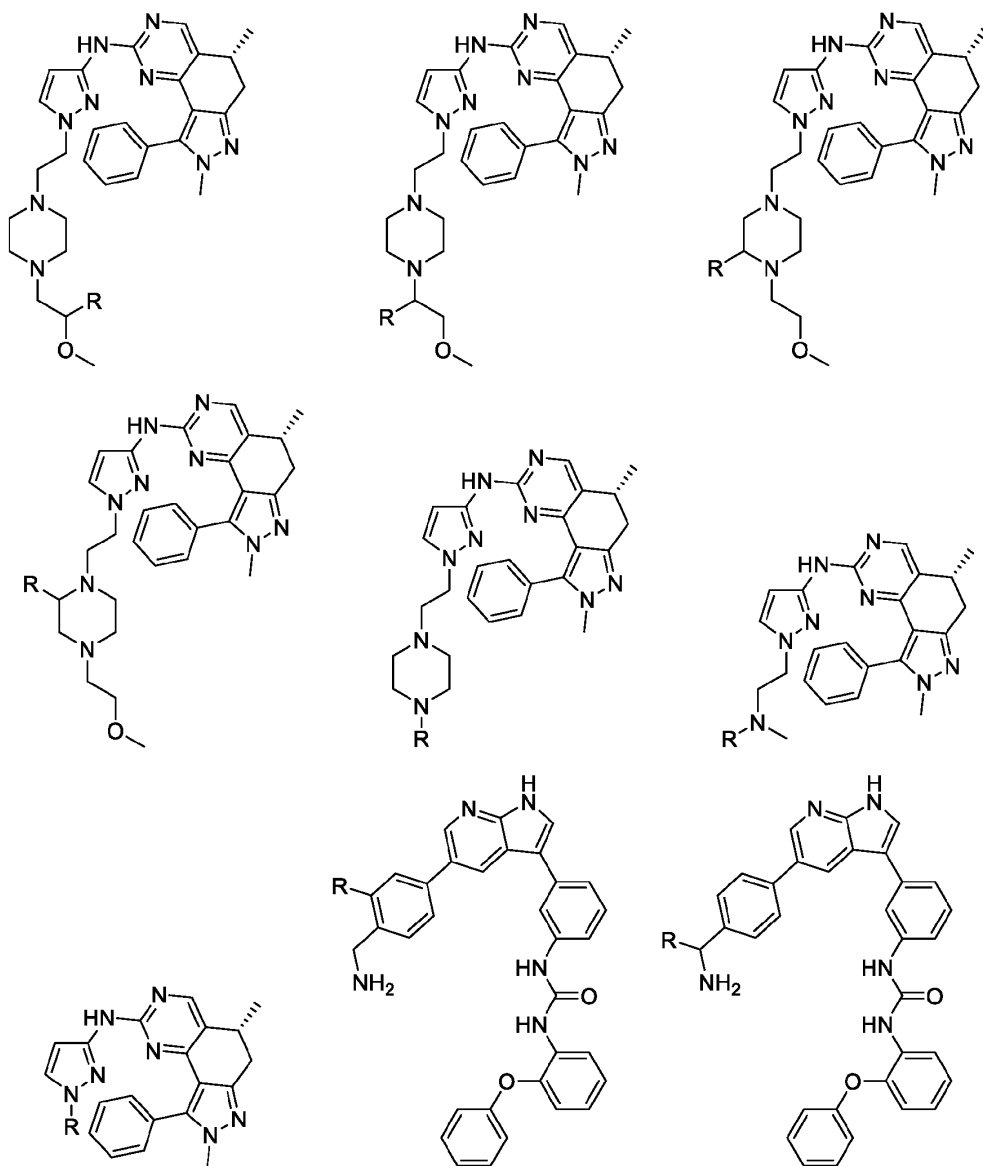


FIG. 8JJJJ

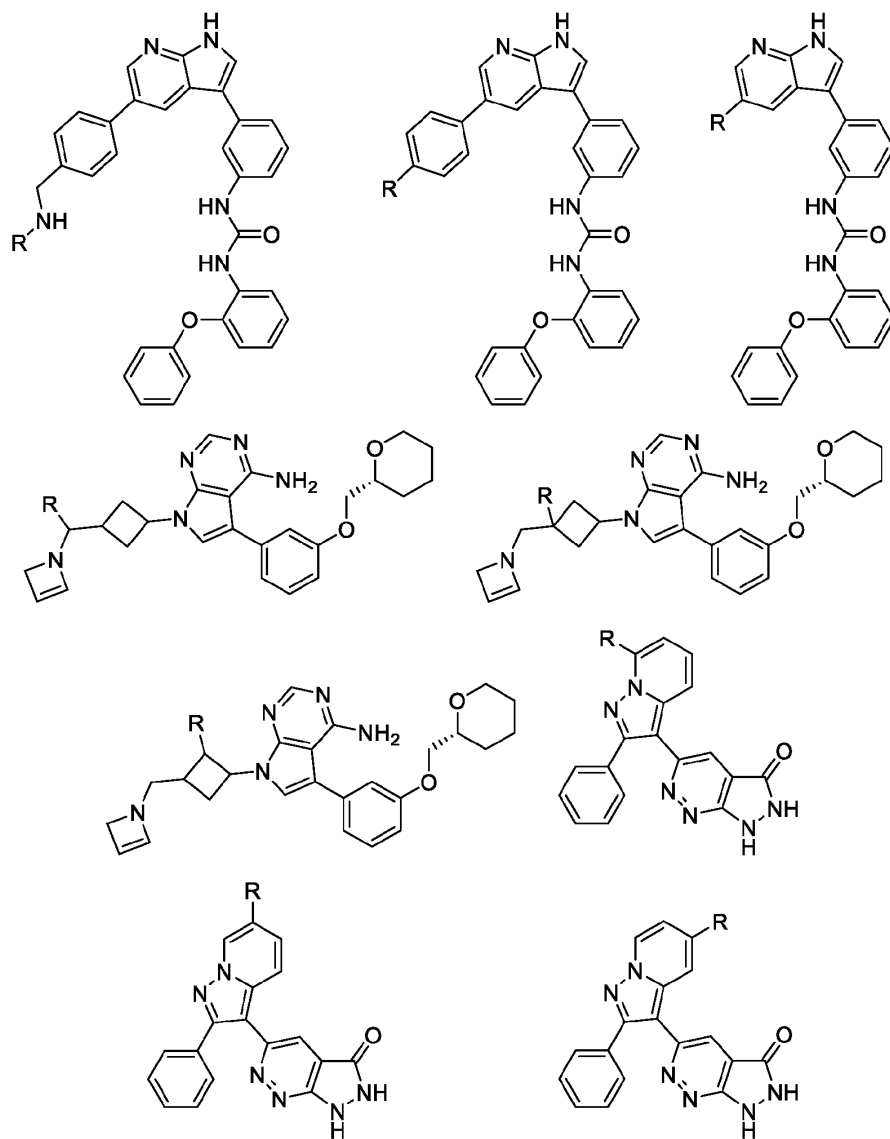


FIG. 8KKKKK

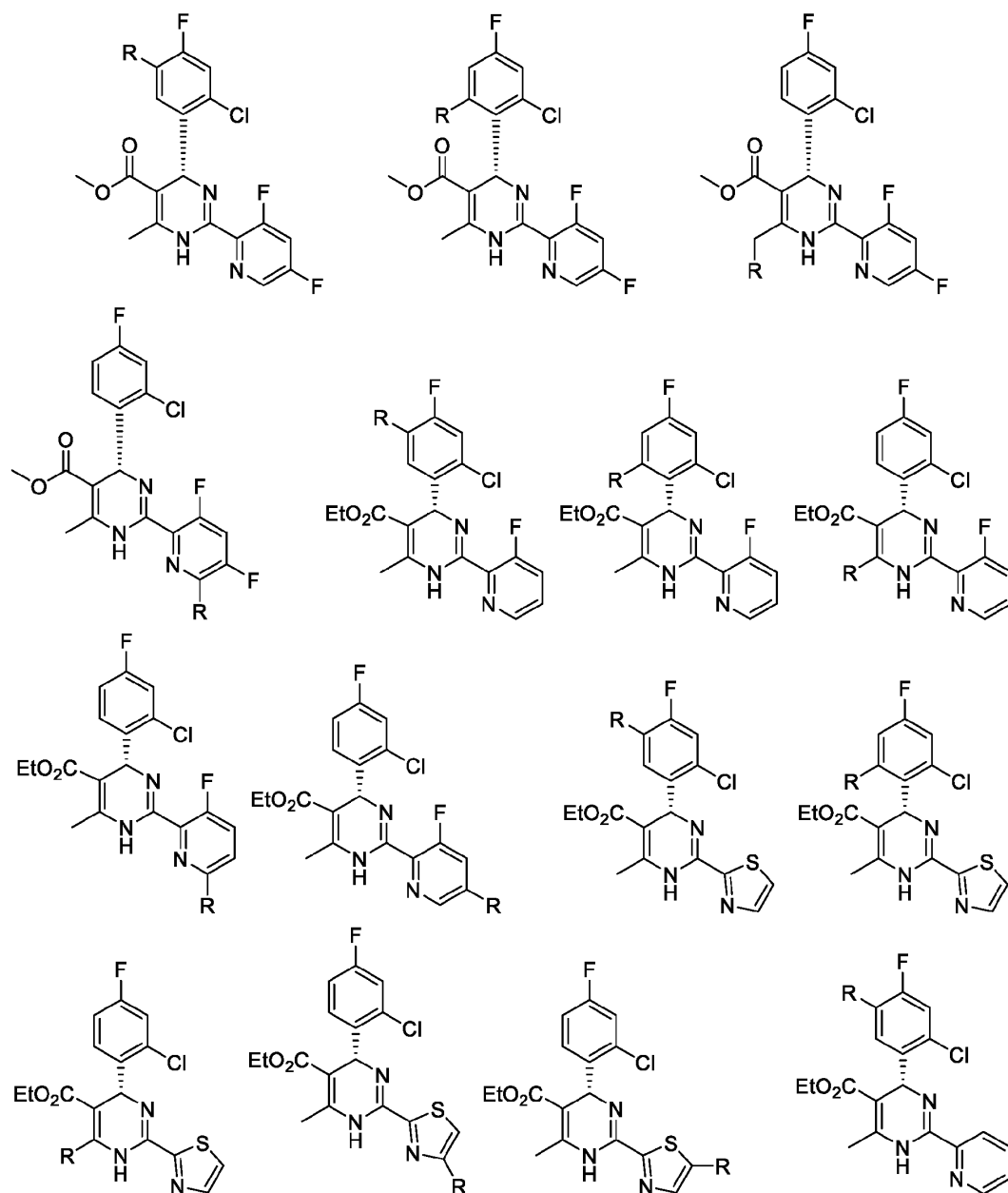


FIG. 8LLLLL

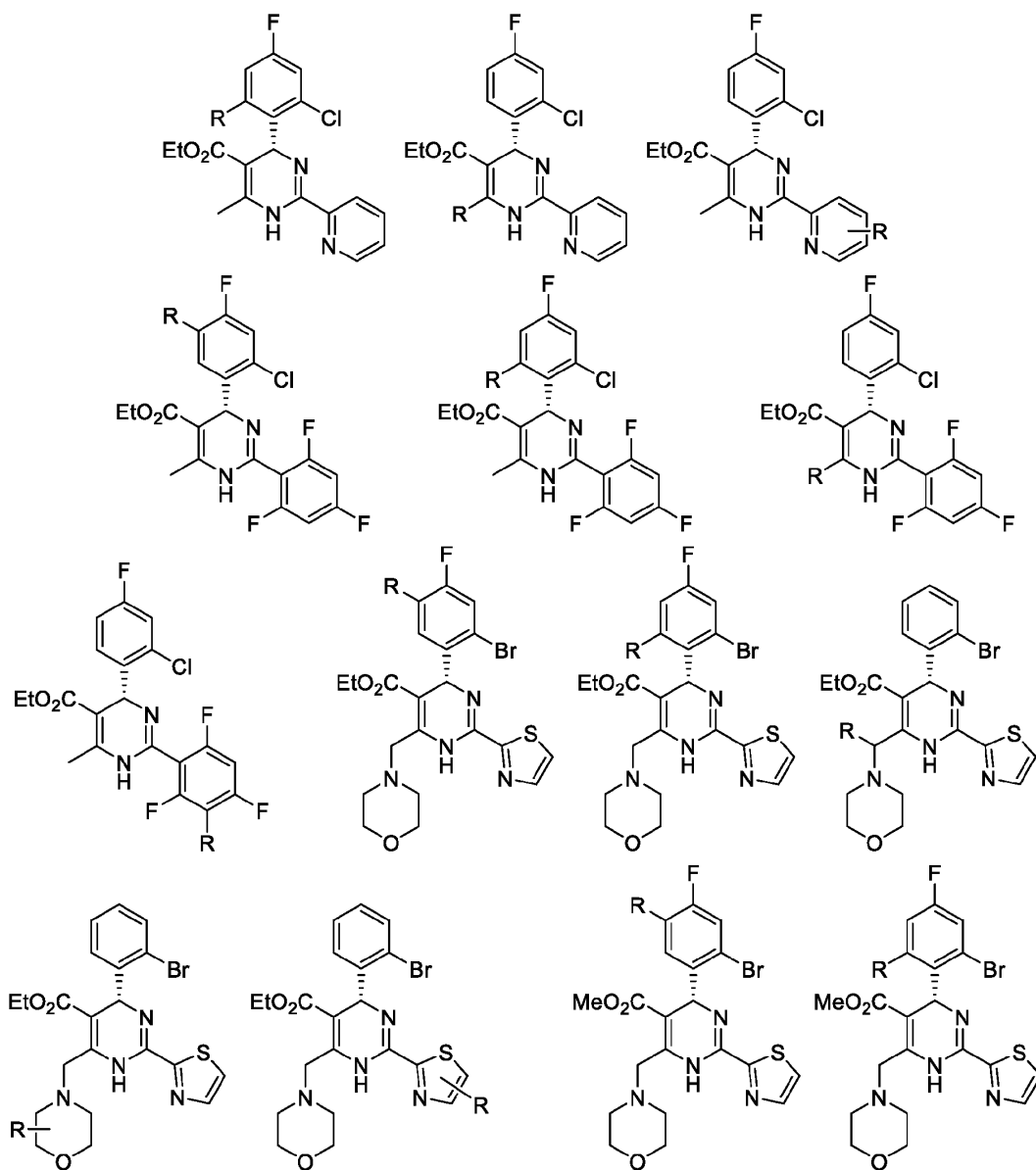




FIG. 8MMMMM

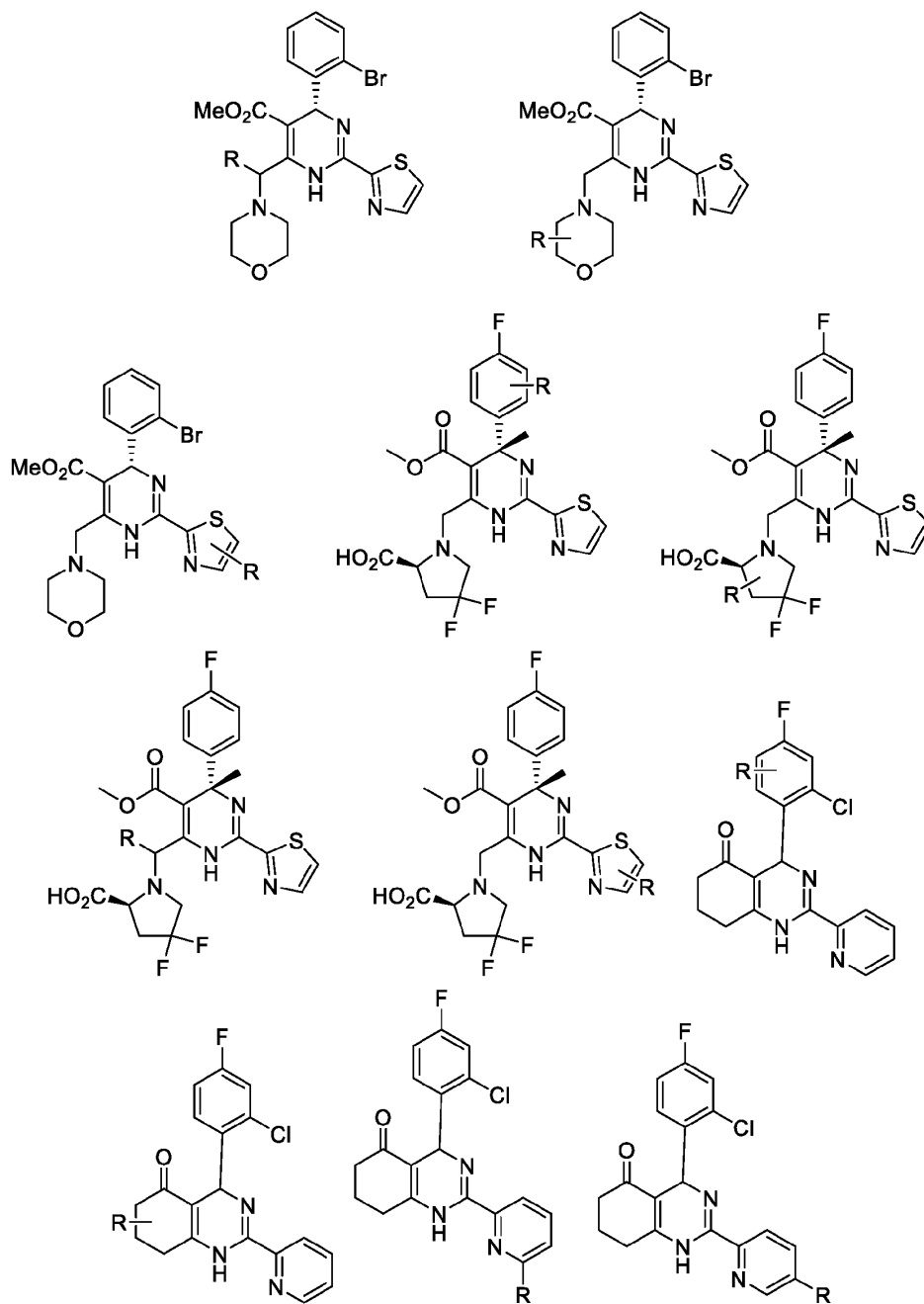


FIG. 8NNNNN

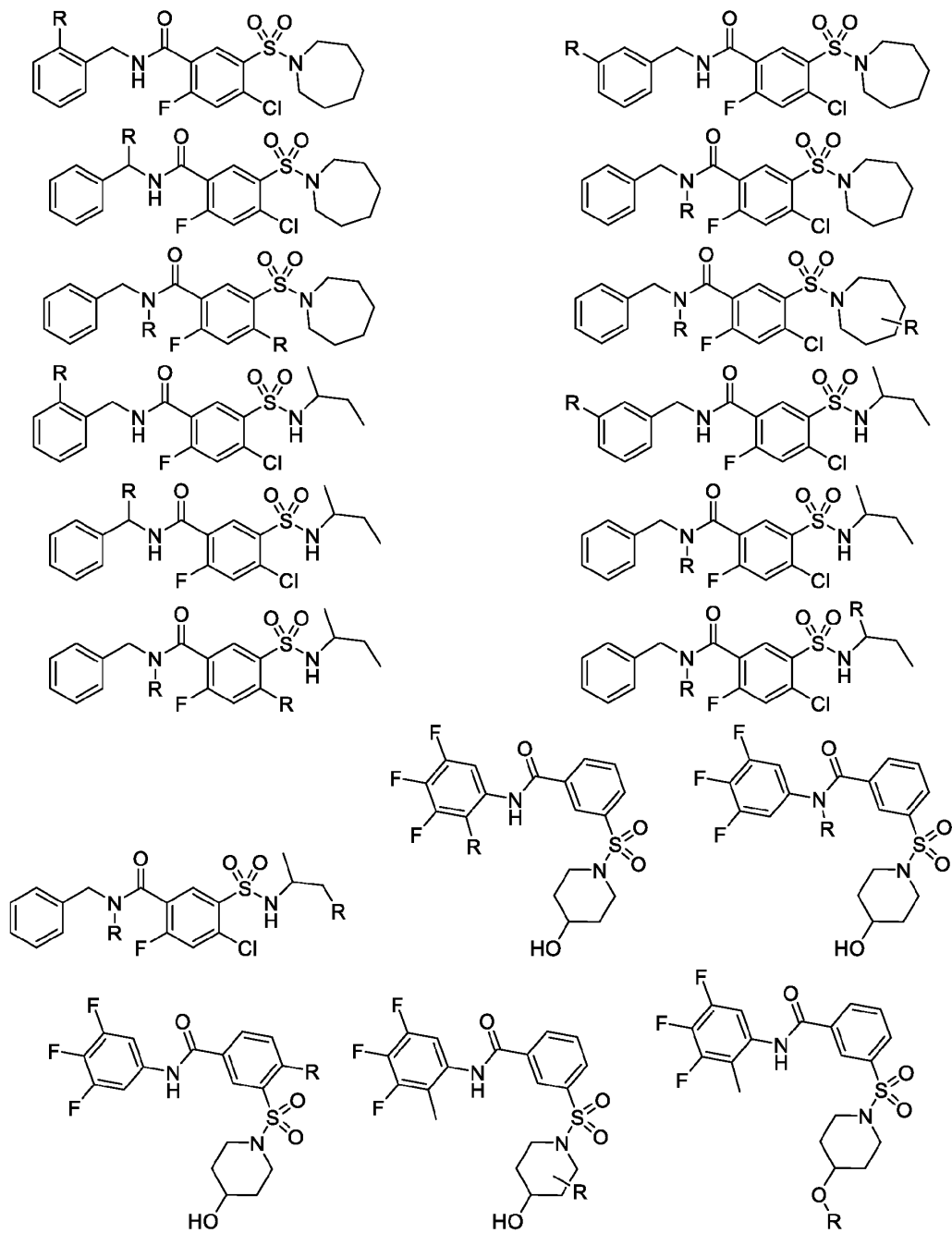


FIG. 800000

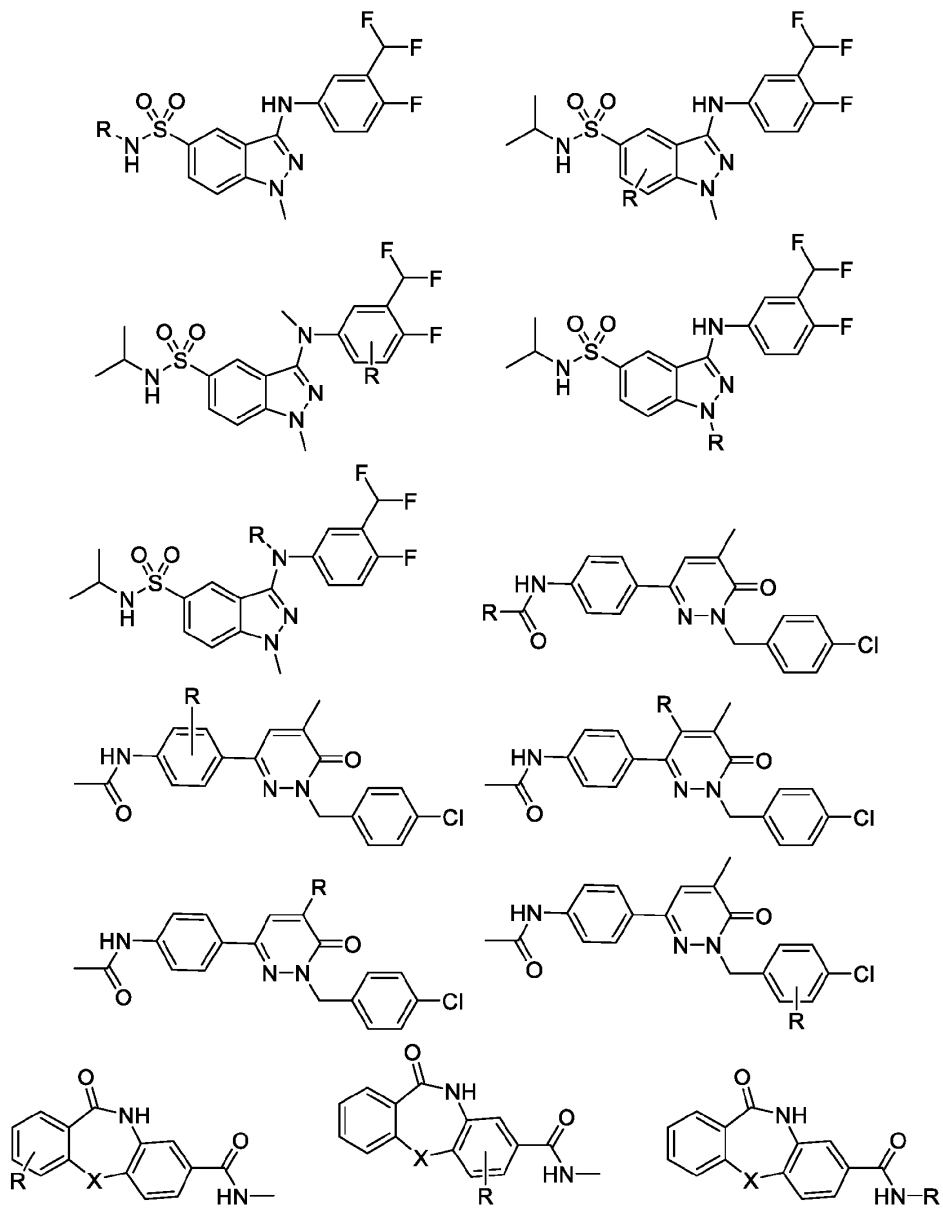


FIG. 8PPPPP

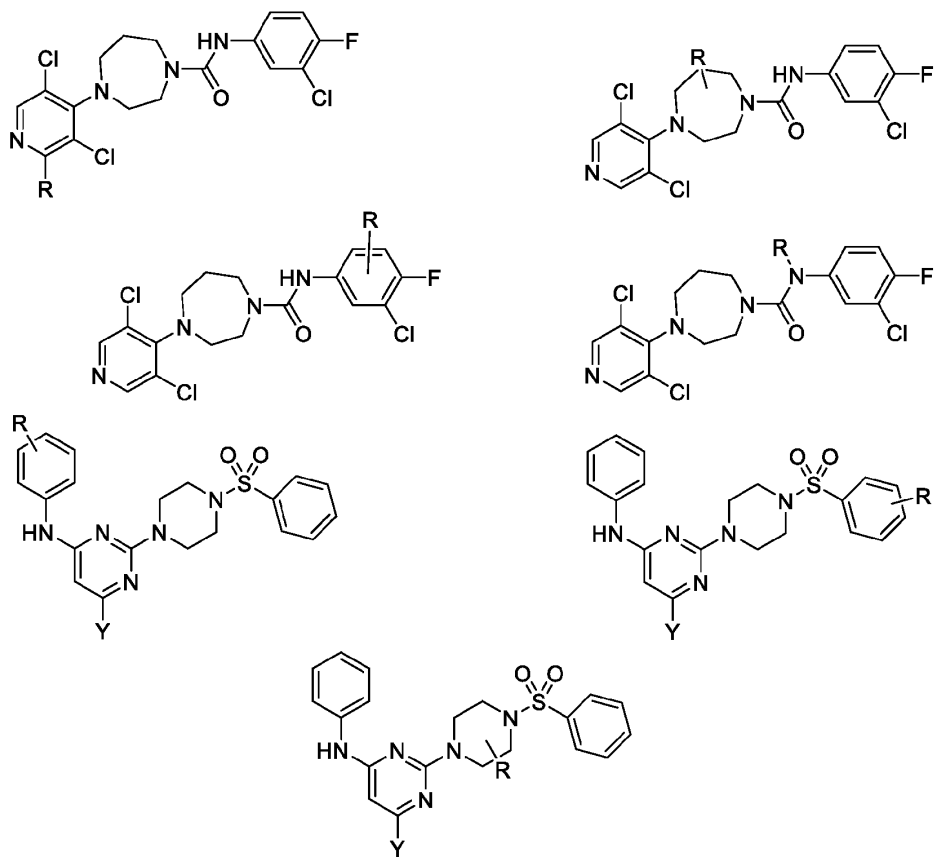


FIG. 9

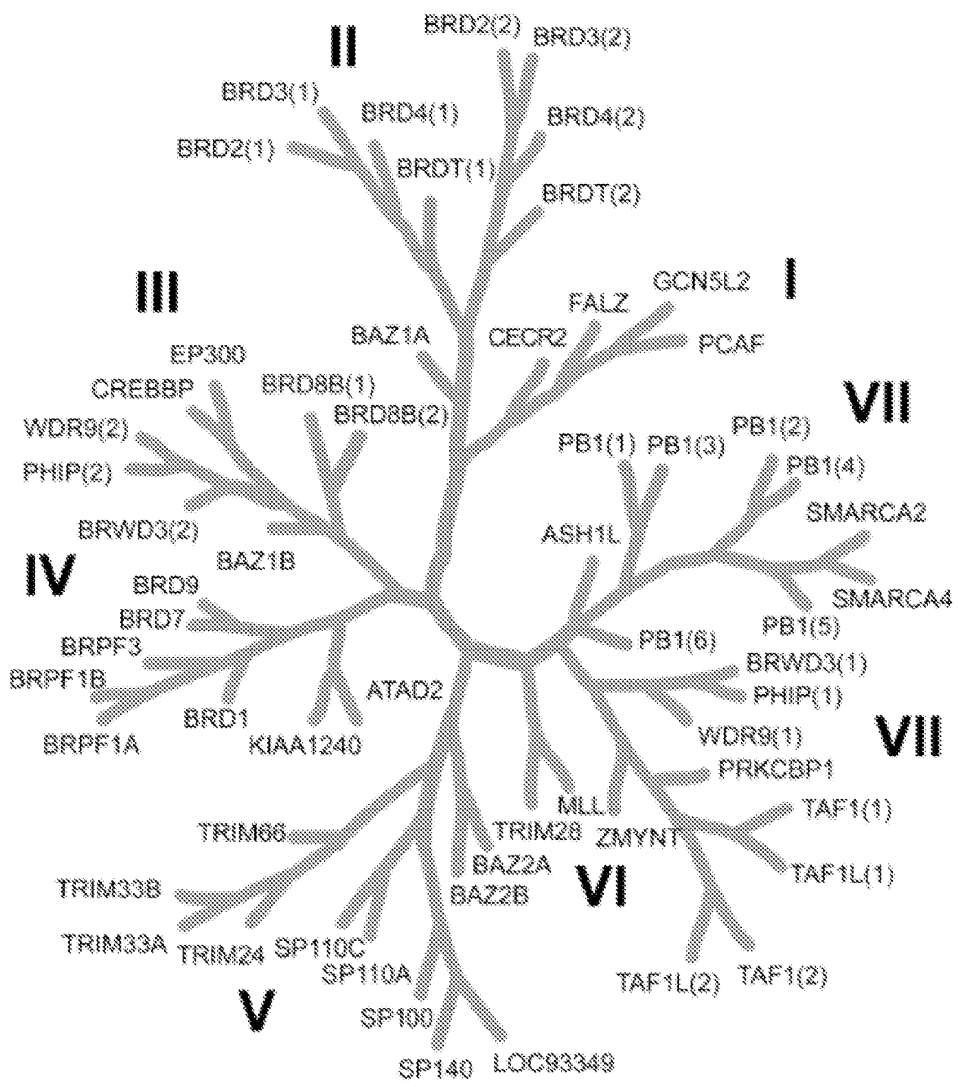


FIG. 10A

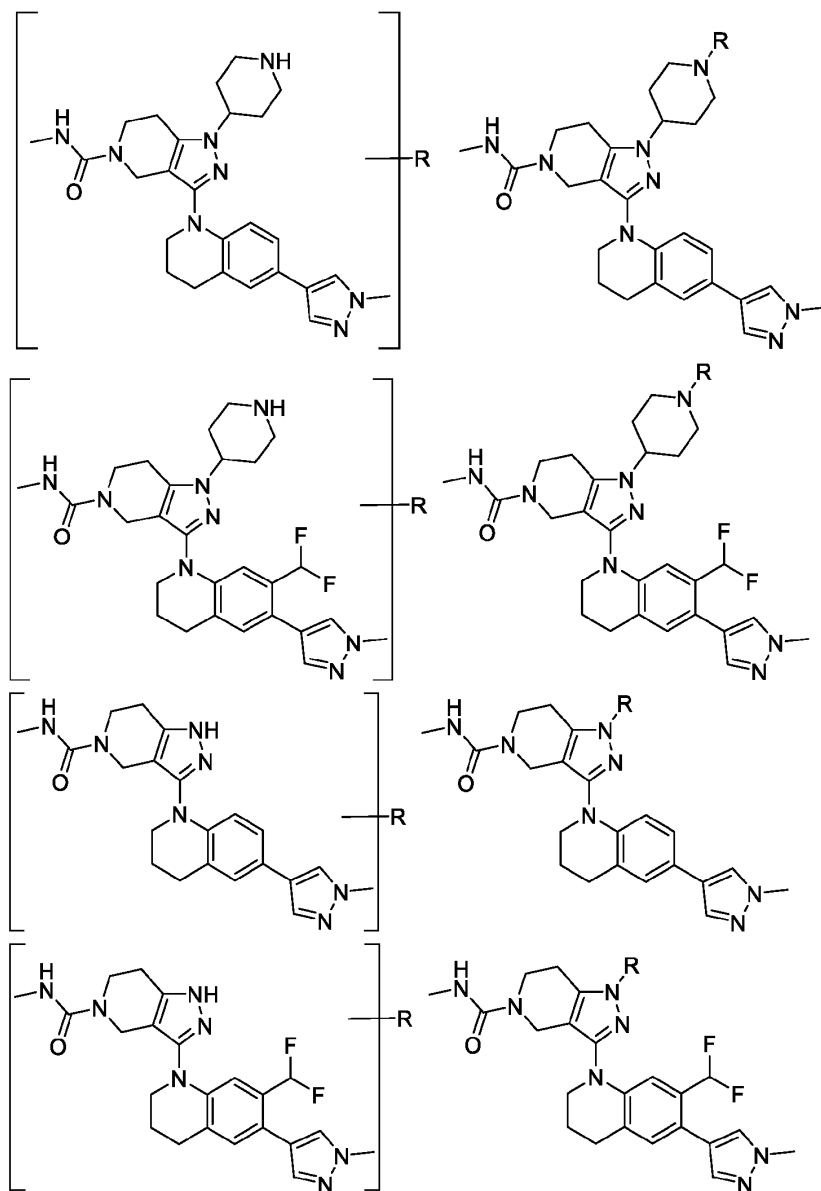


FIG. 10B

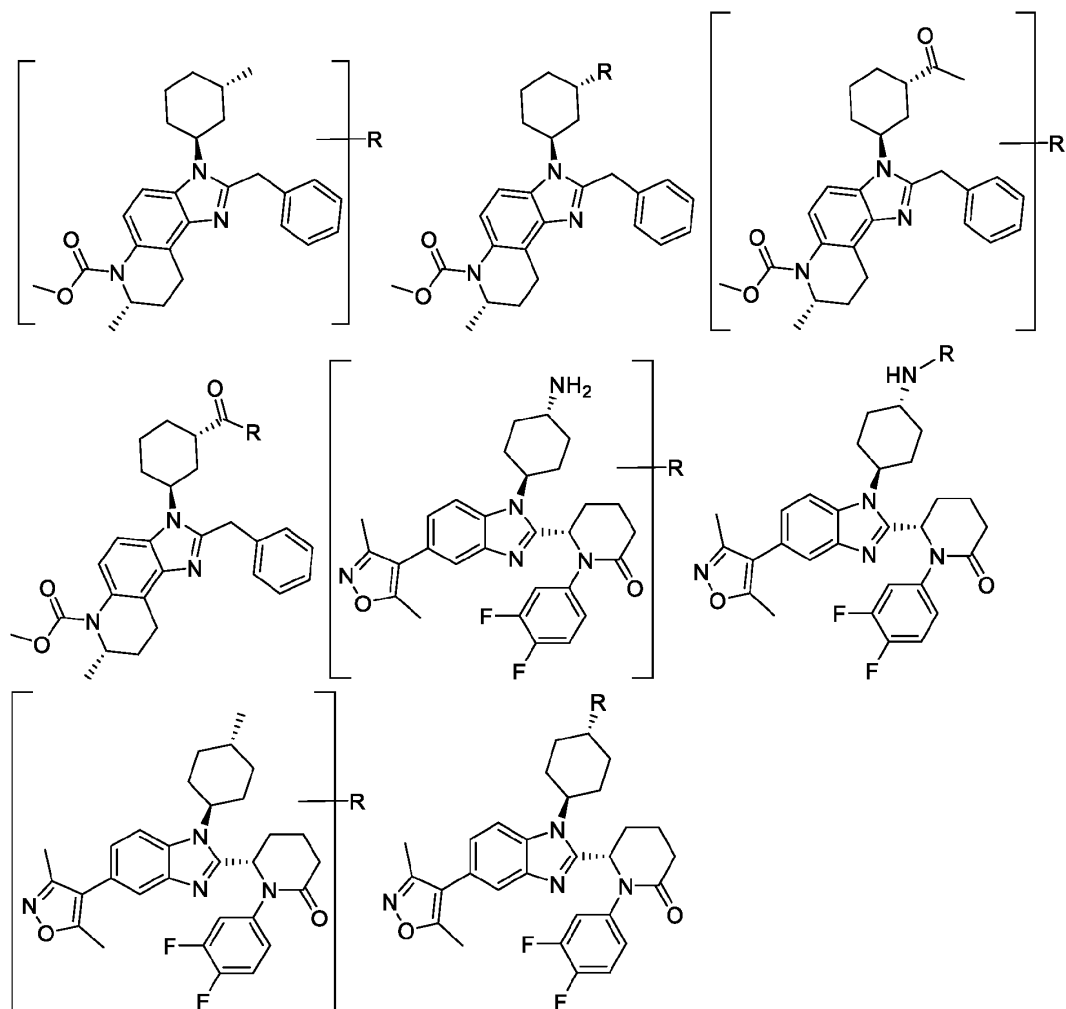


FIG. 11A

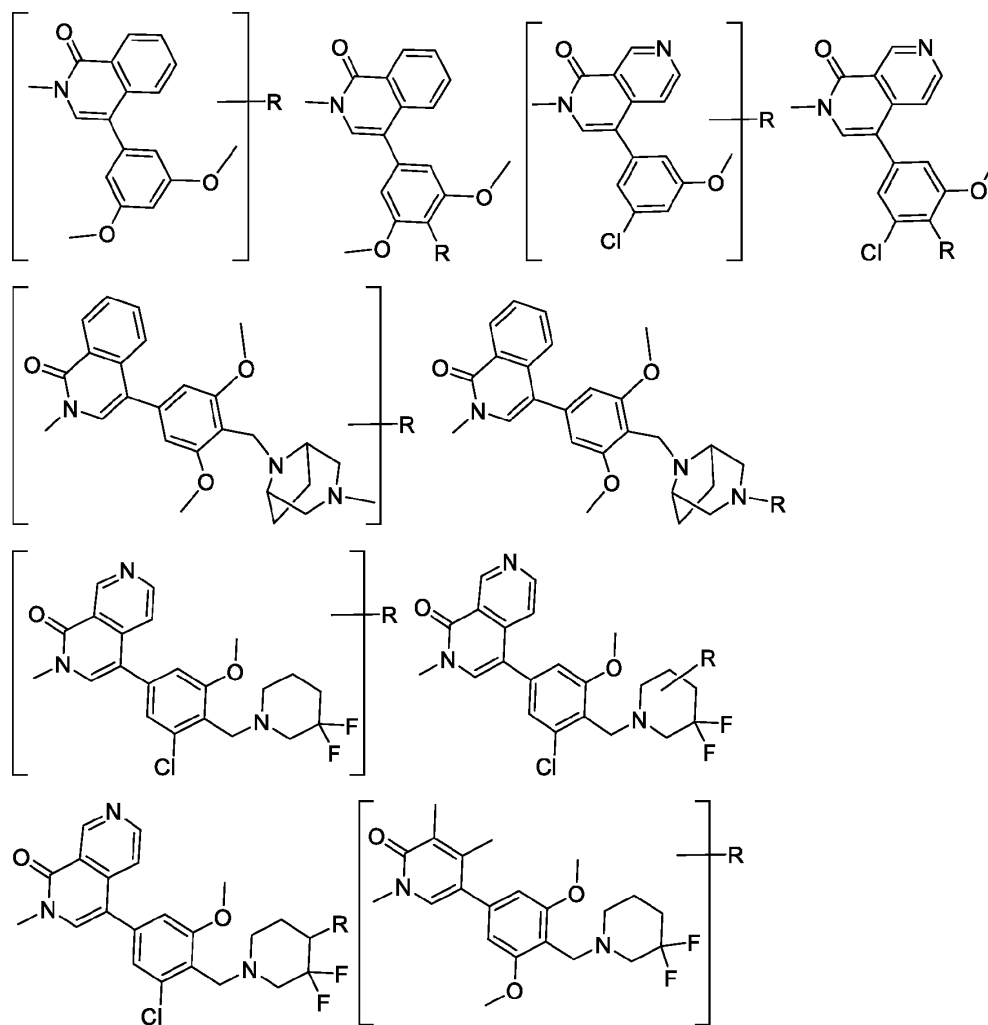




FIG. 11B

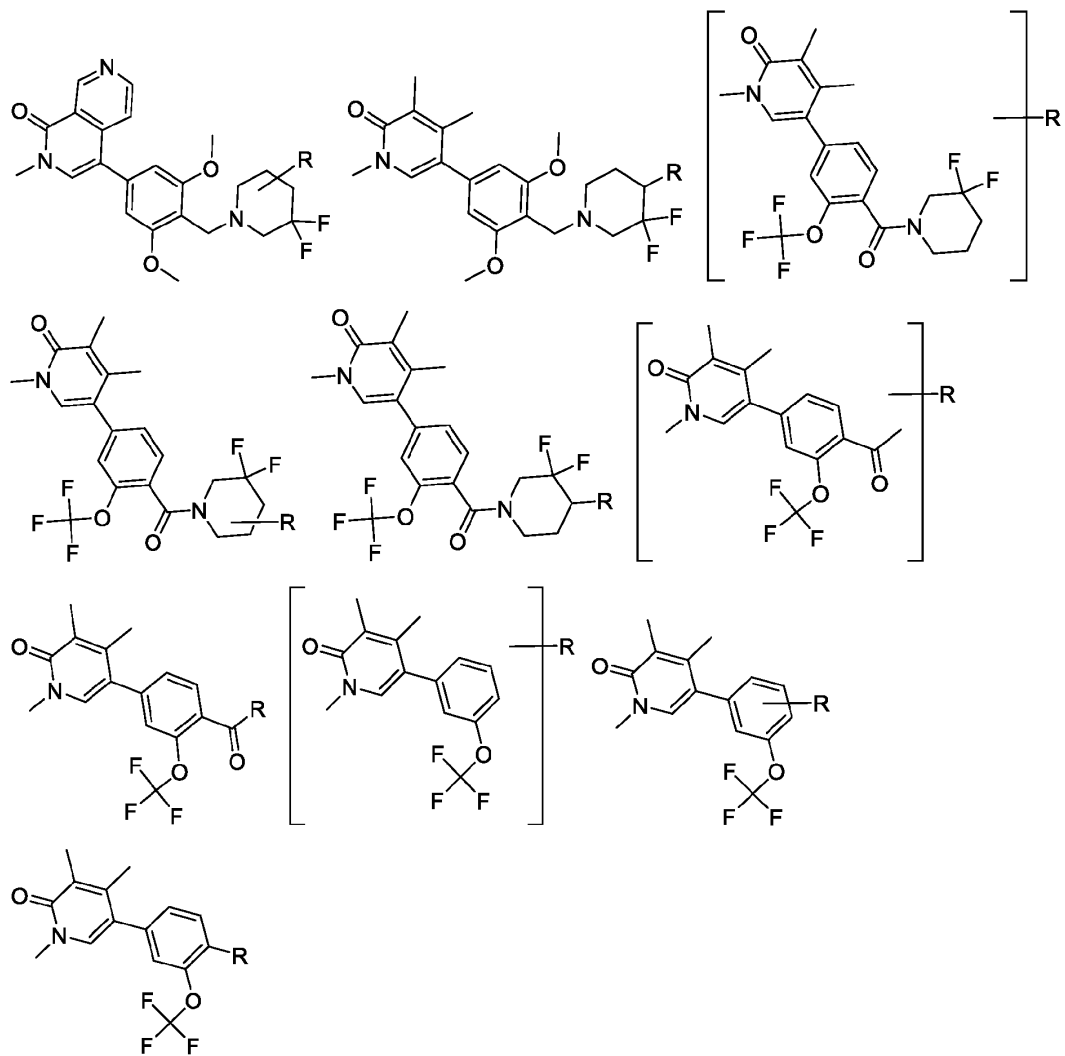


FIG. 12A

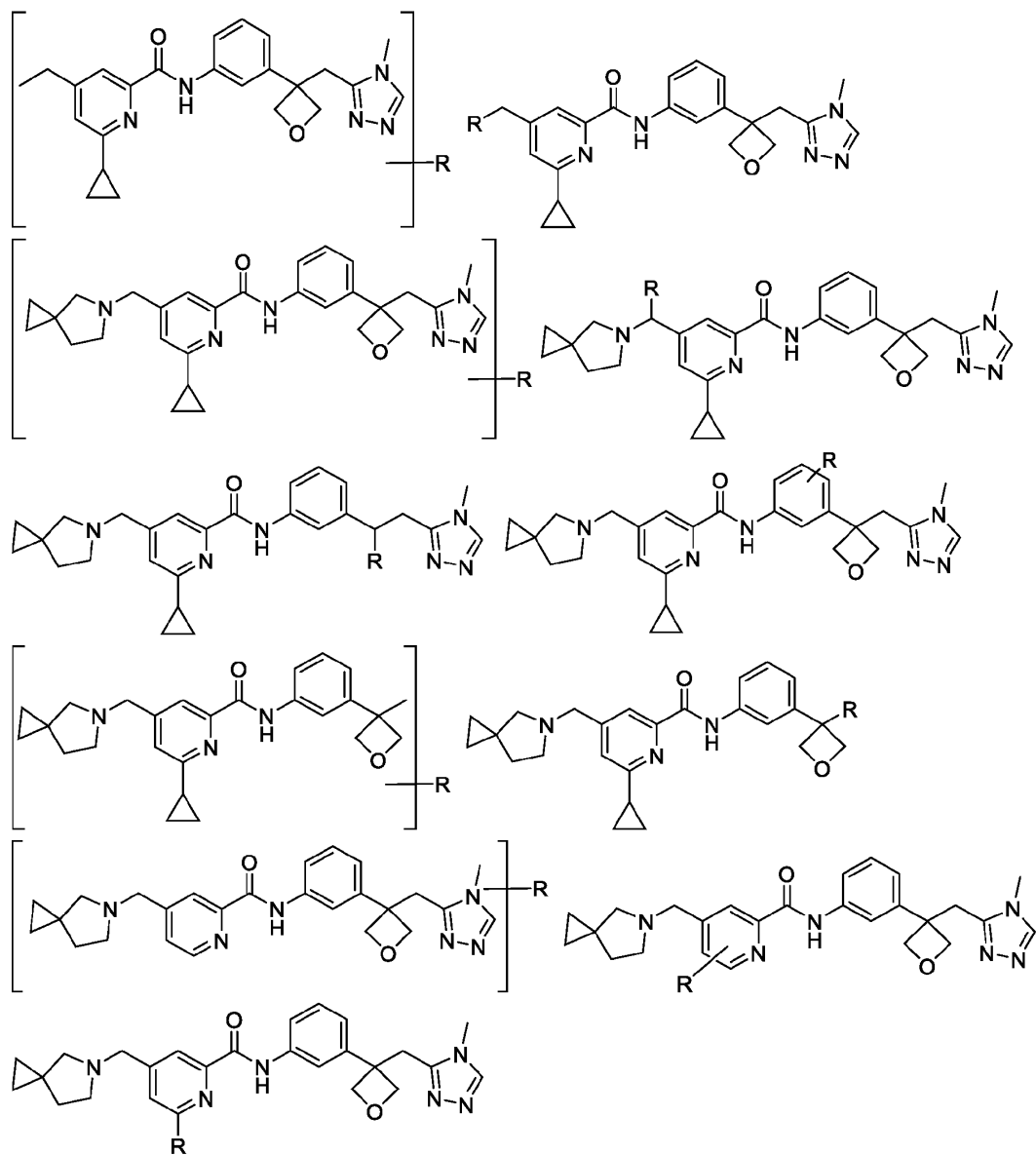


FIG. 12B

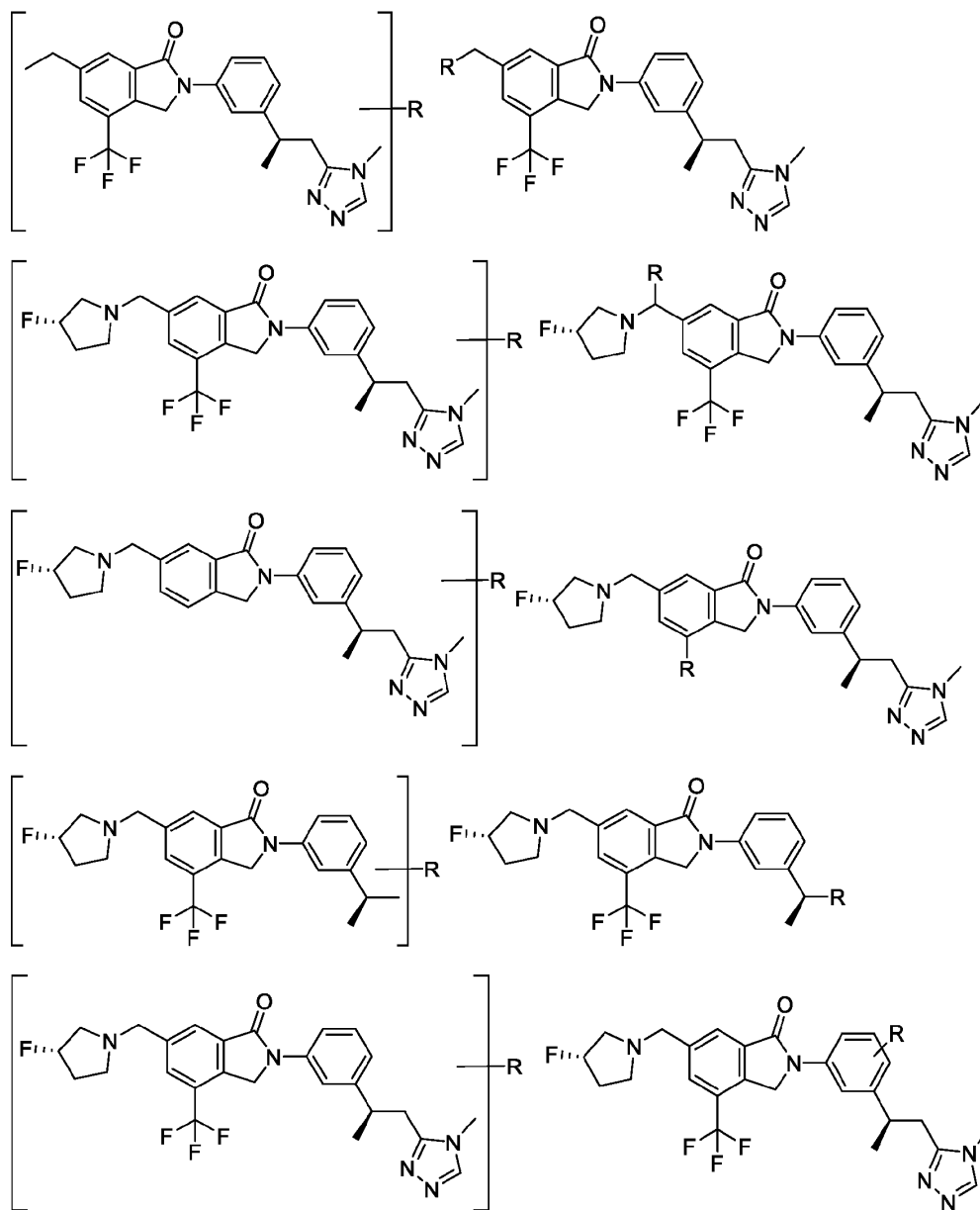


FIG. 12C

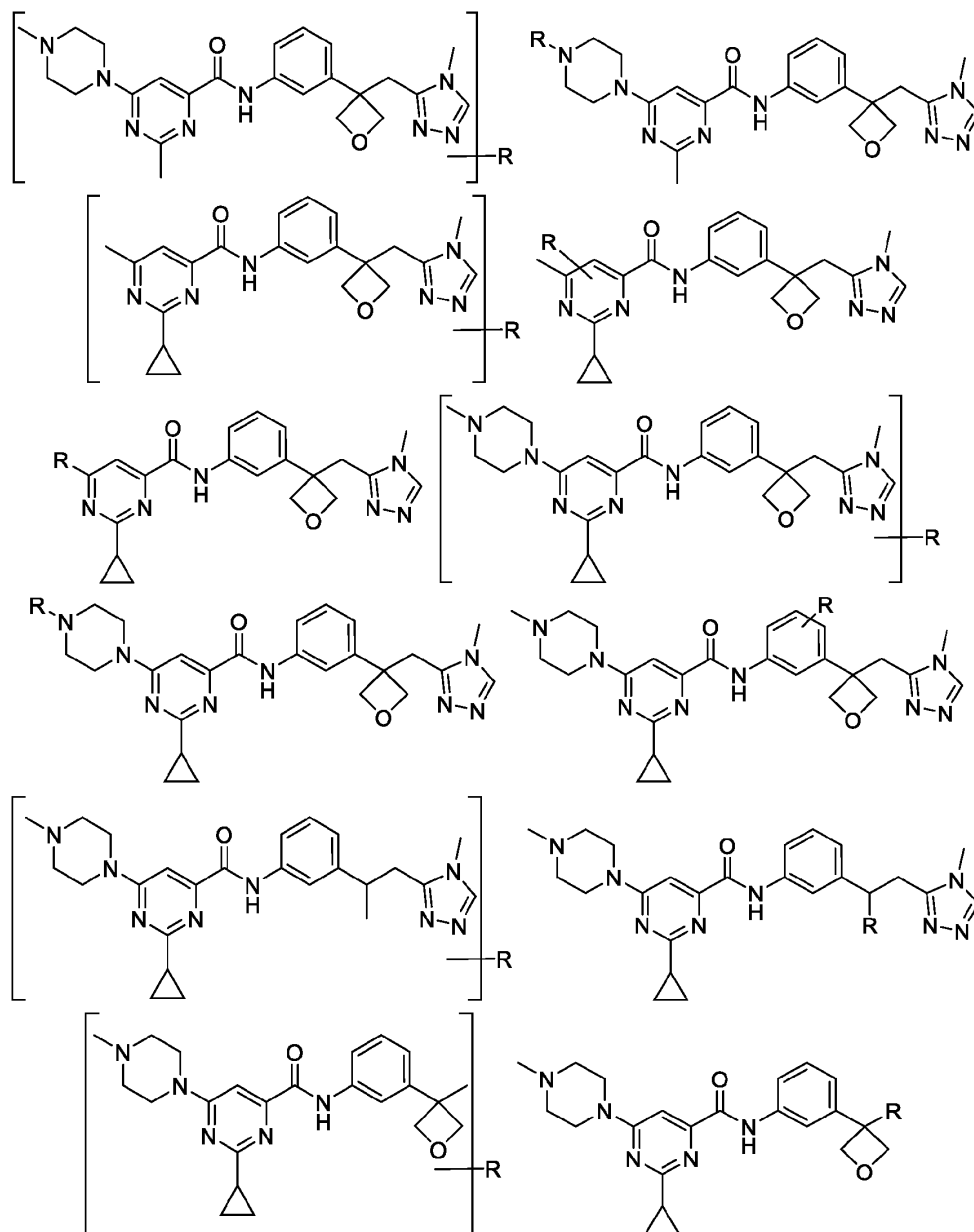


FIG. 13

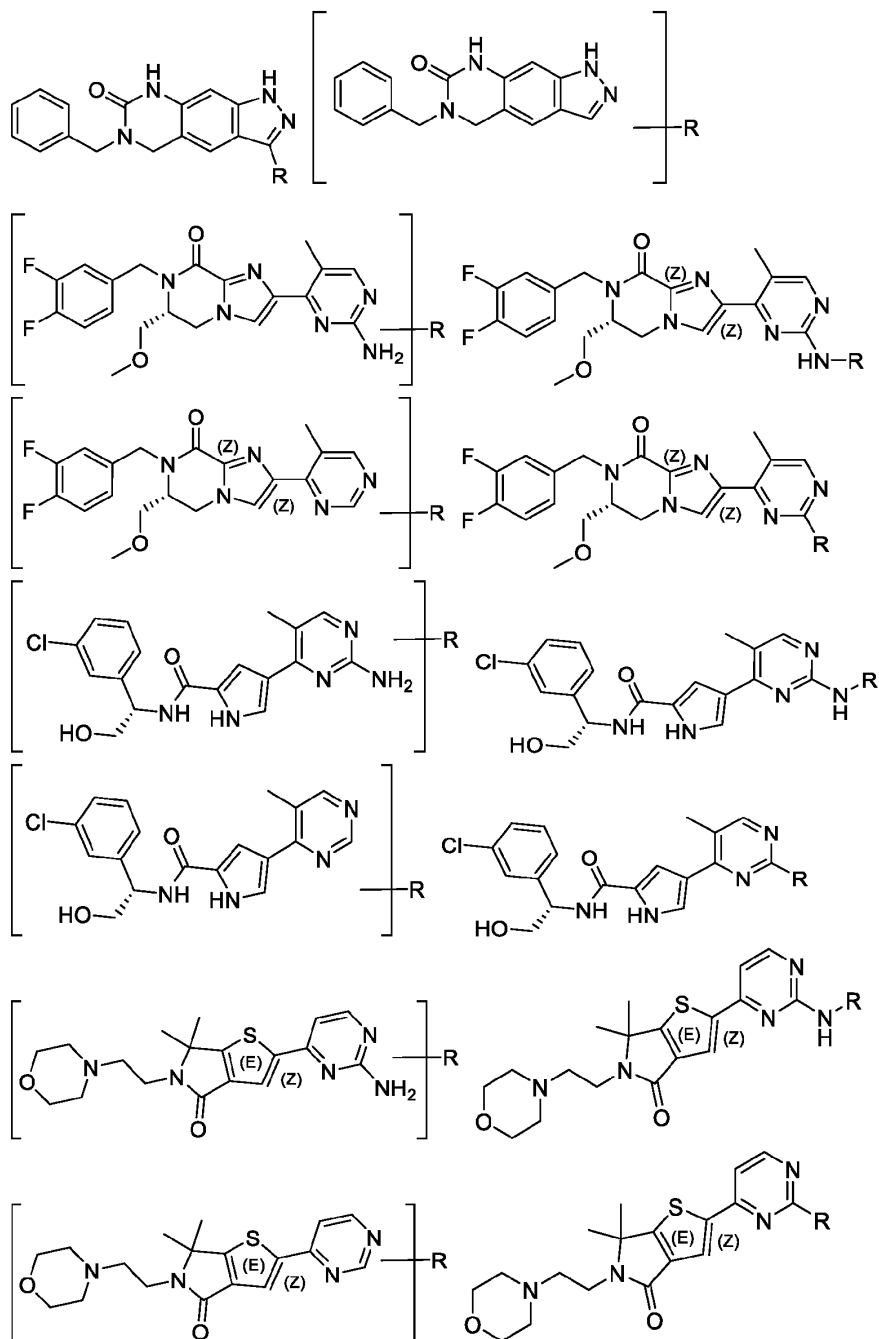


FIG. 14A

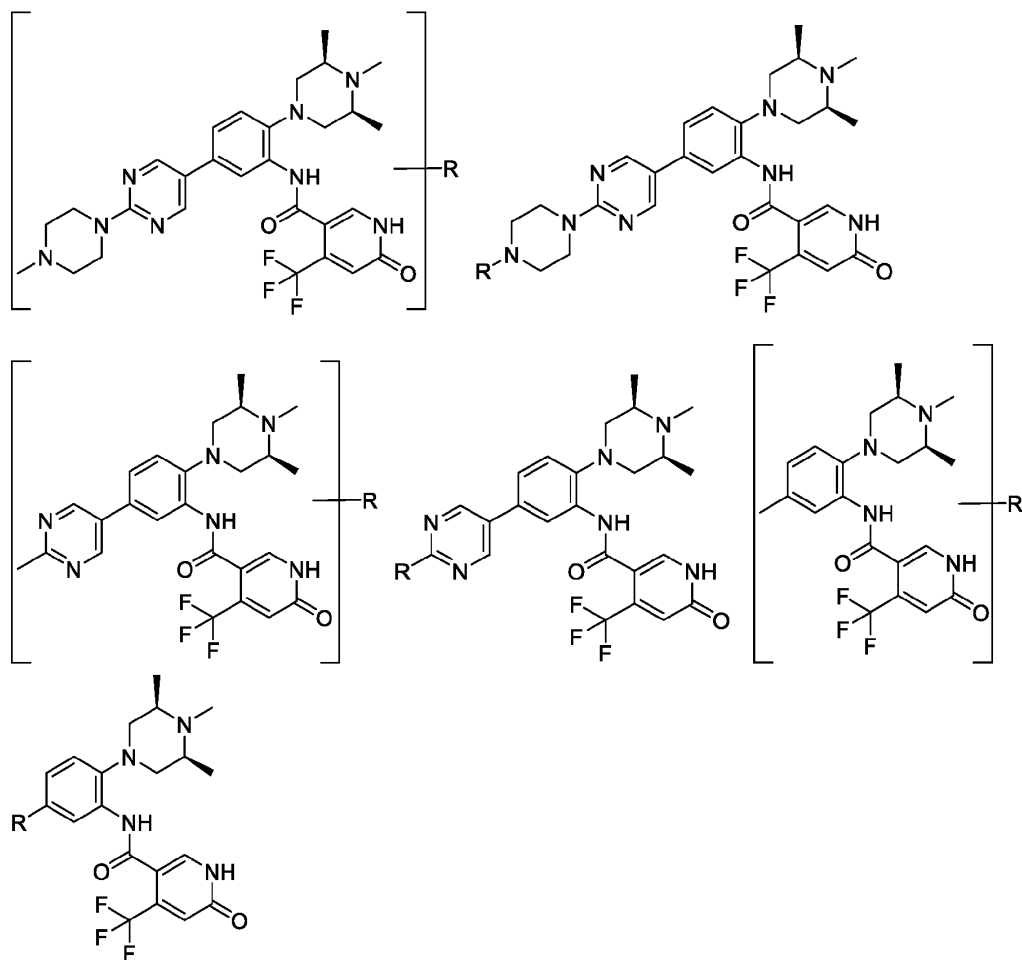


FIG. 14B

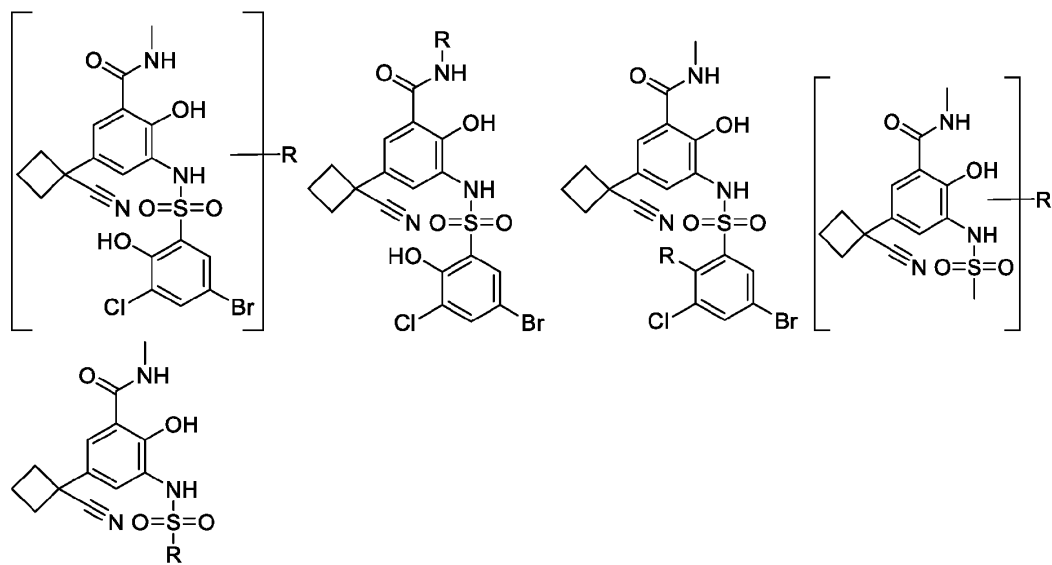


FIG. 14C

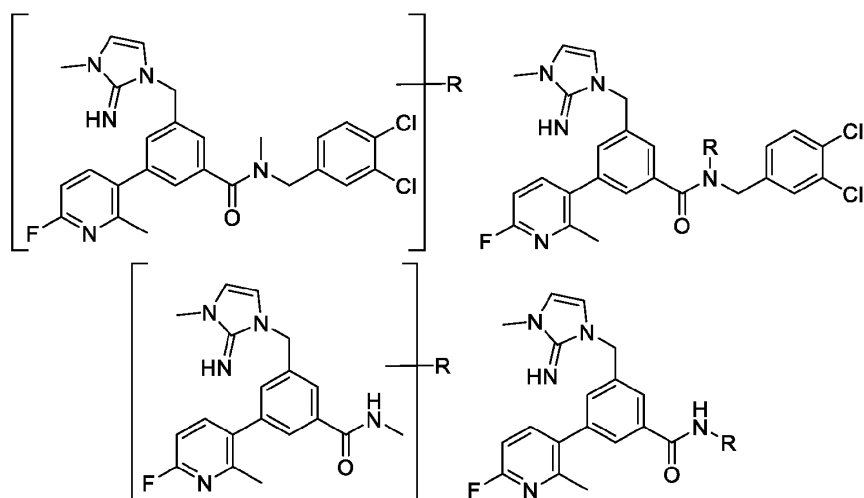


FIG. 15

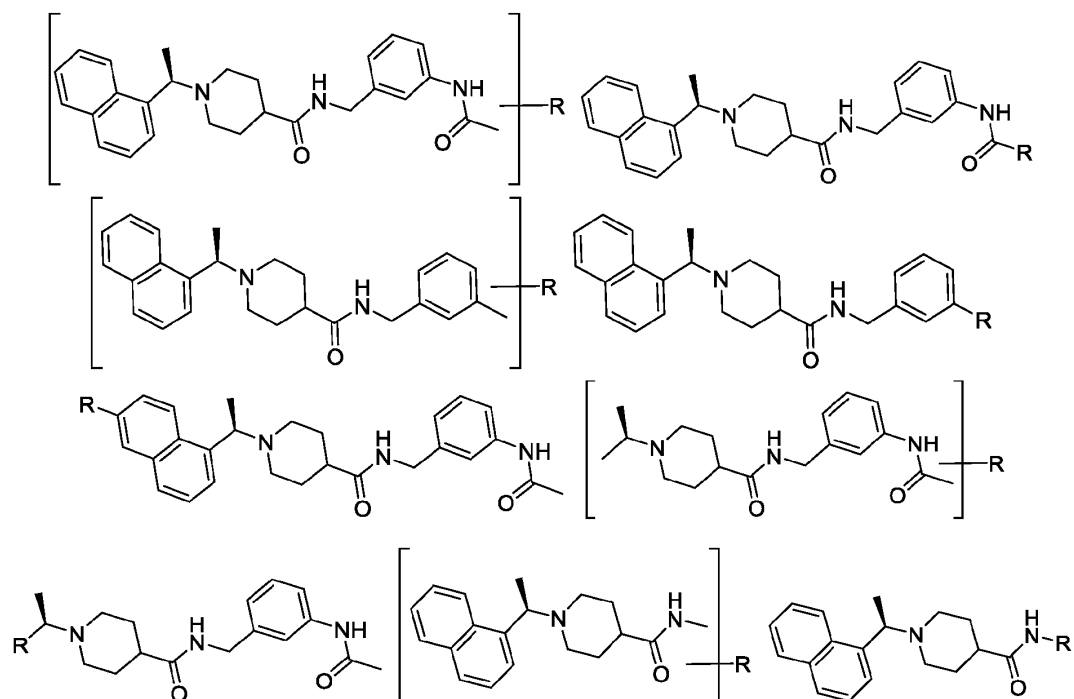




FIG. 16

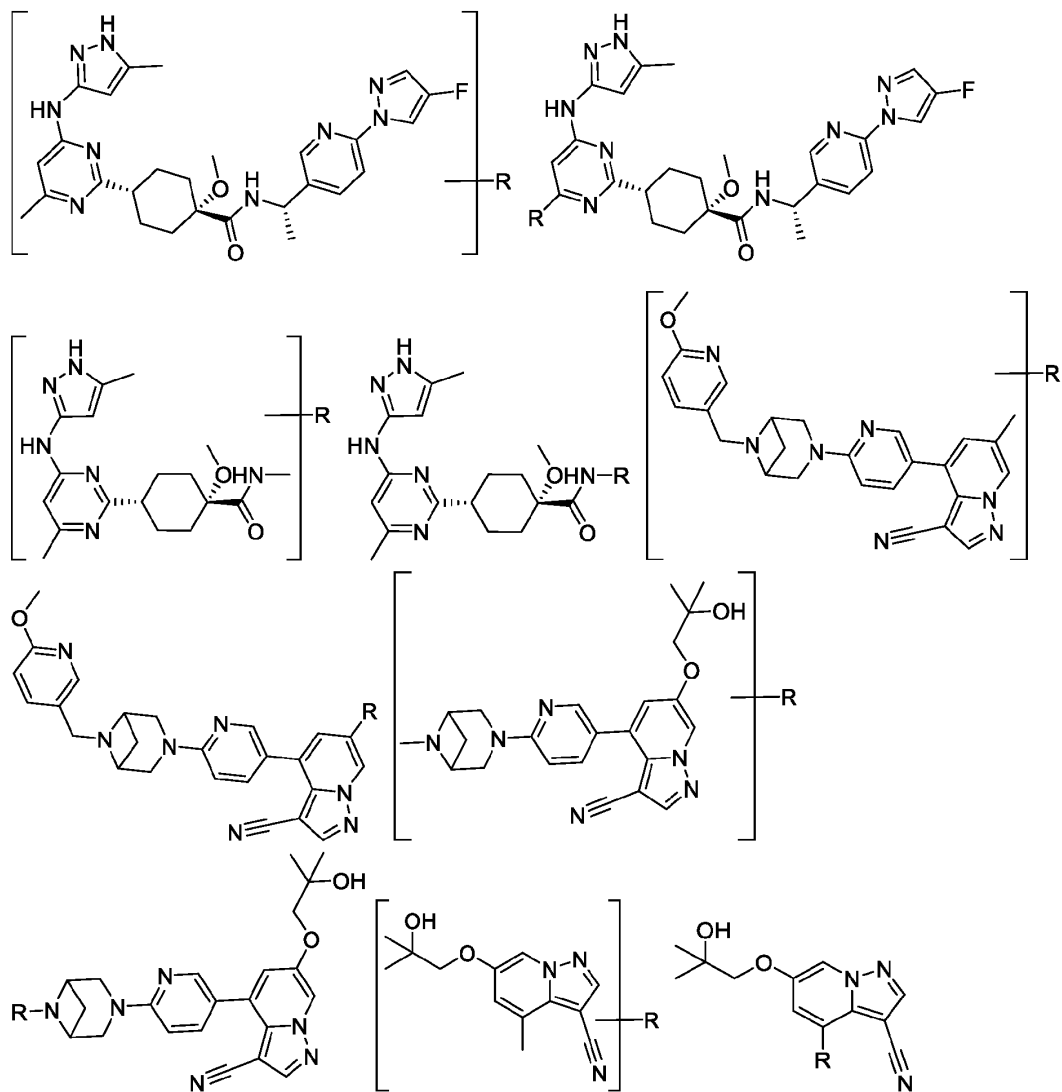


FIG. 17A

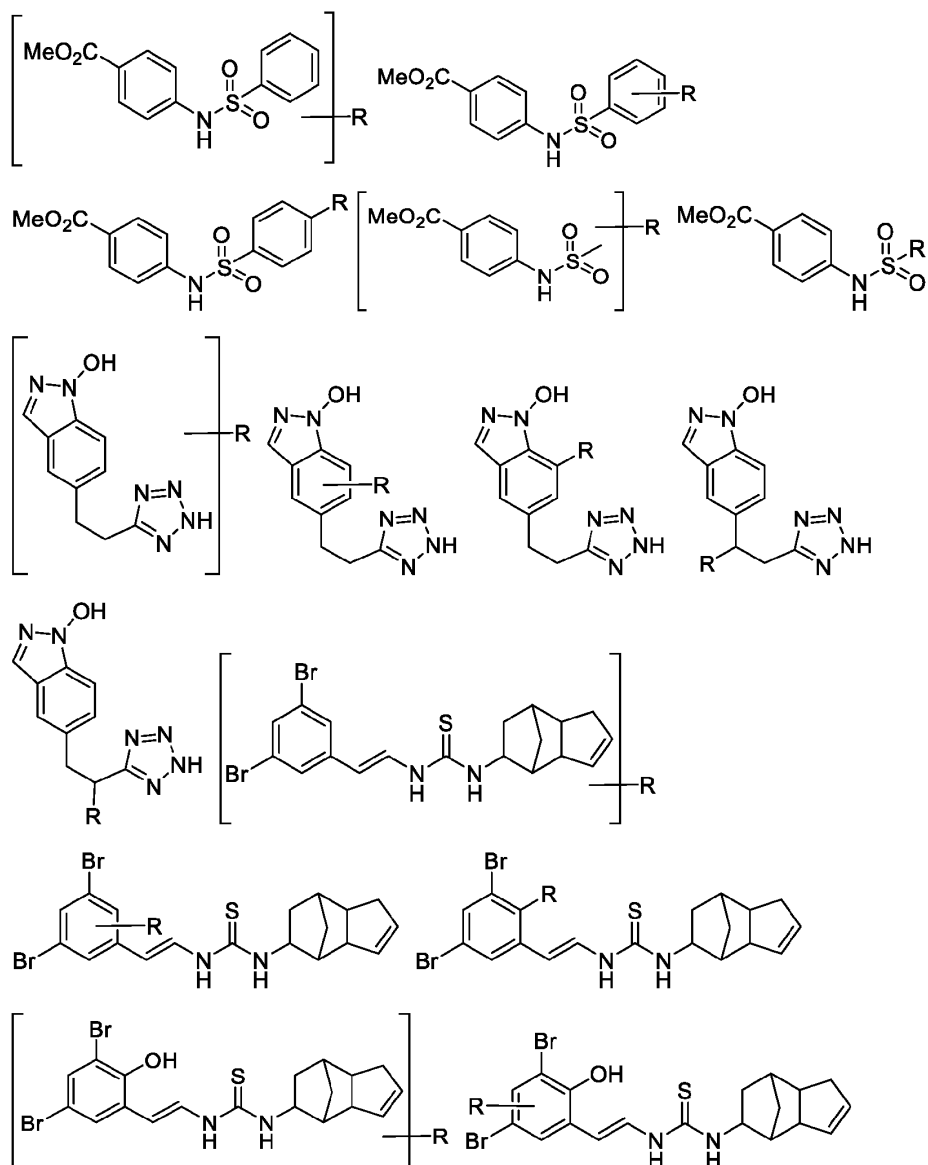


FIG. 17B

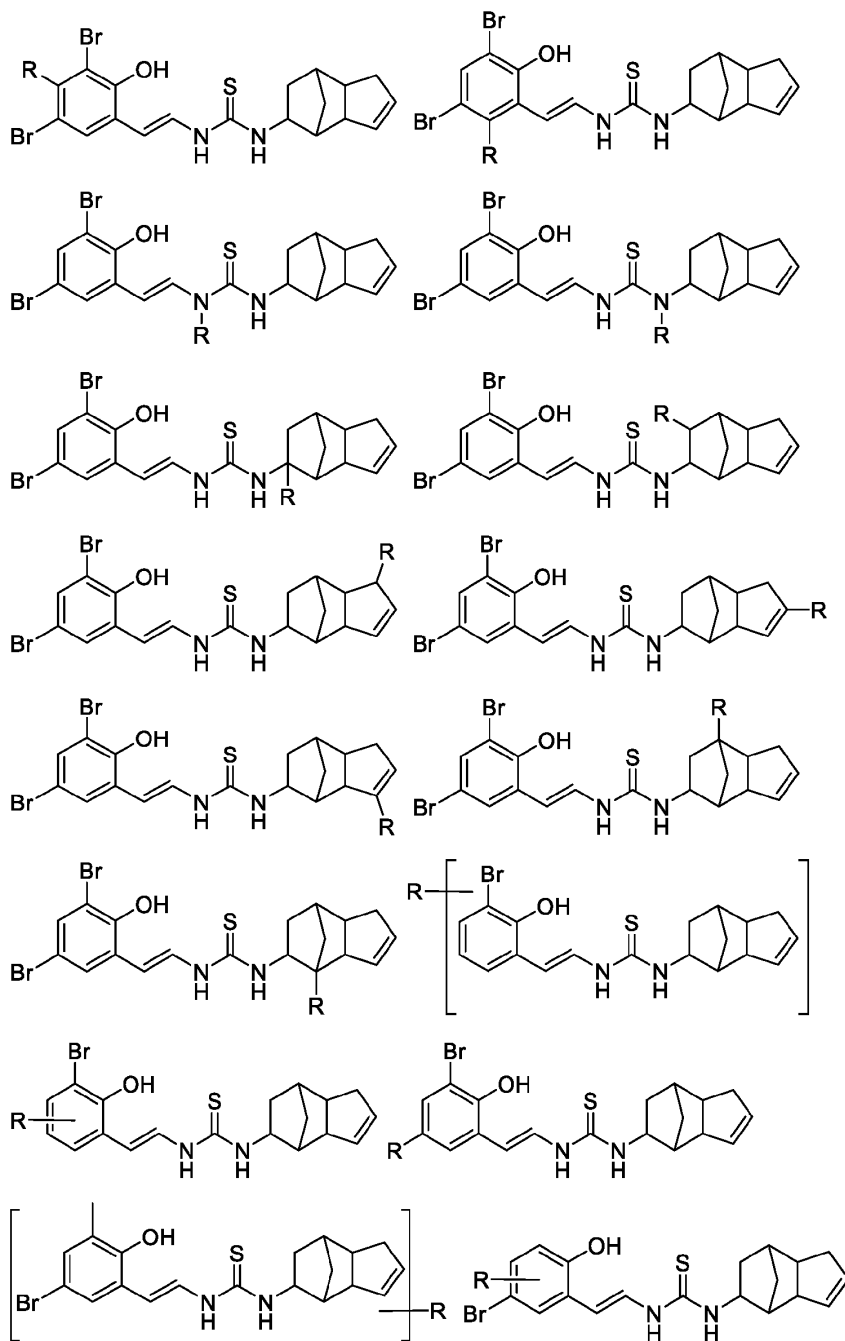


FIG. 17C

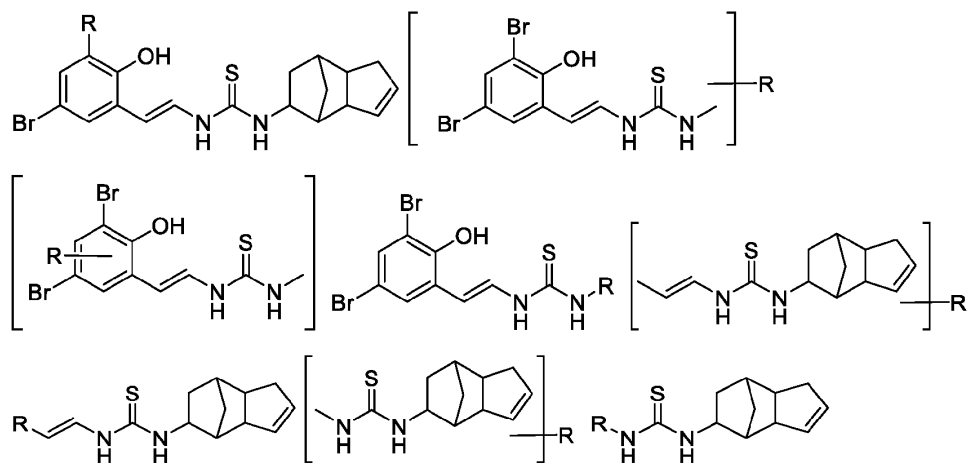


FIG. 18A

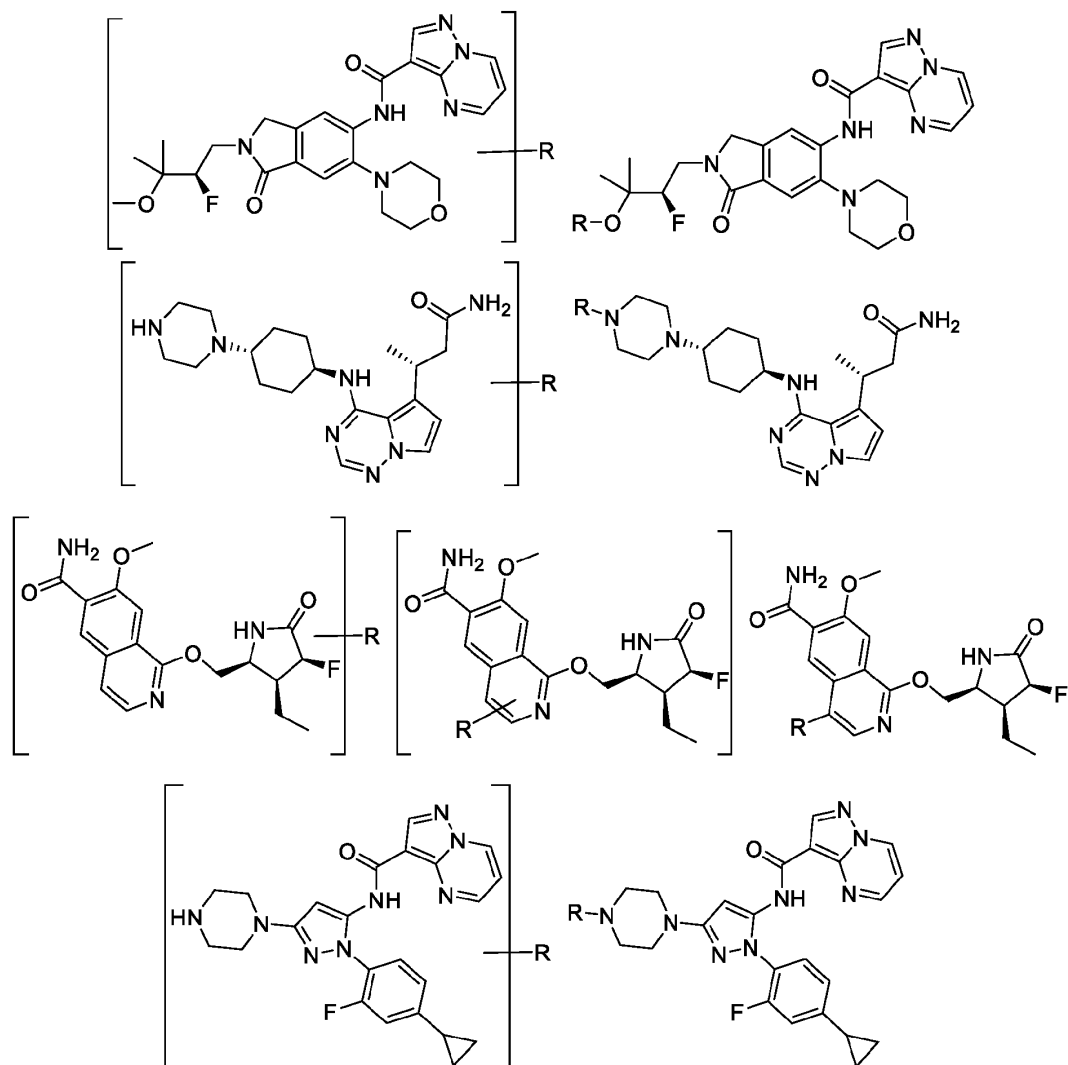


FIG. 18B

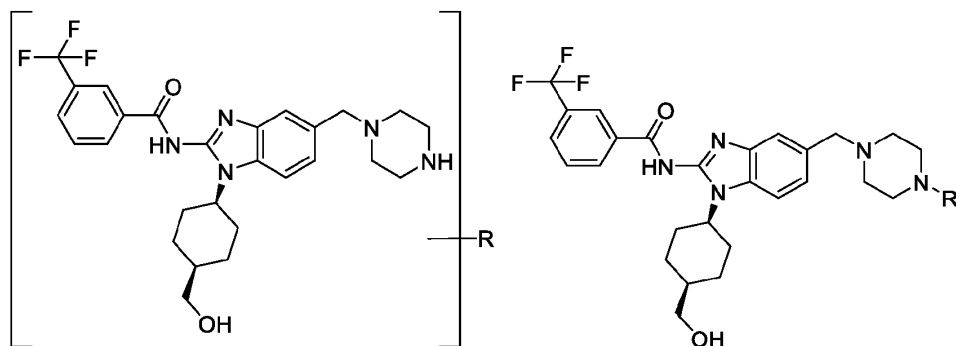


FIG. 18C

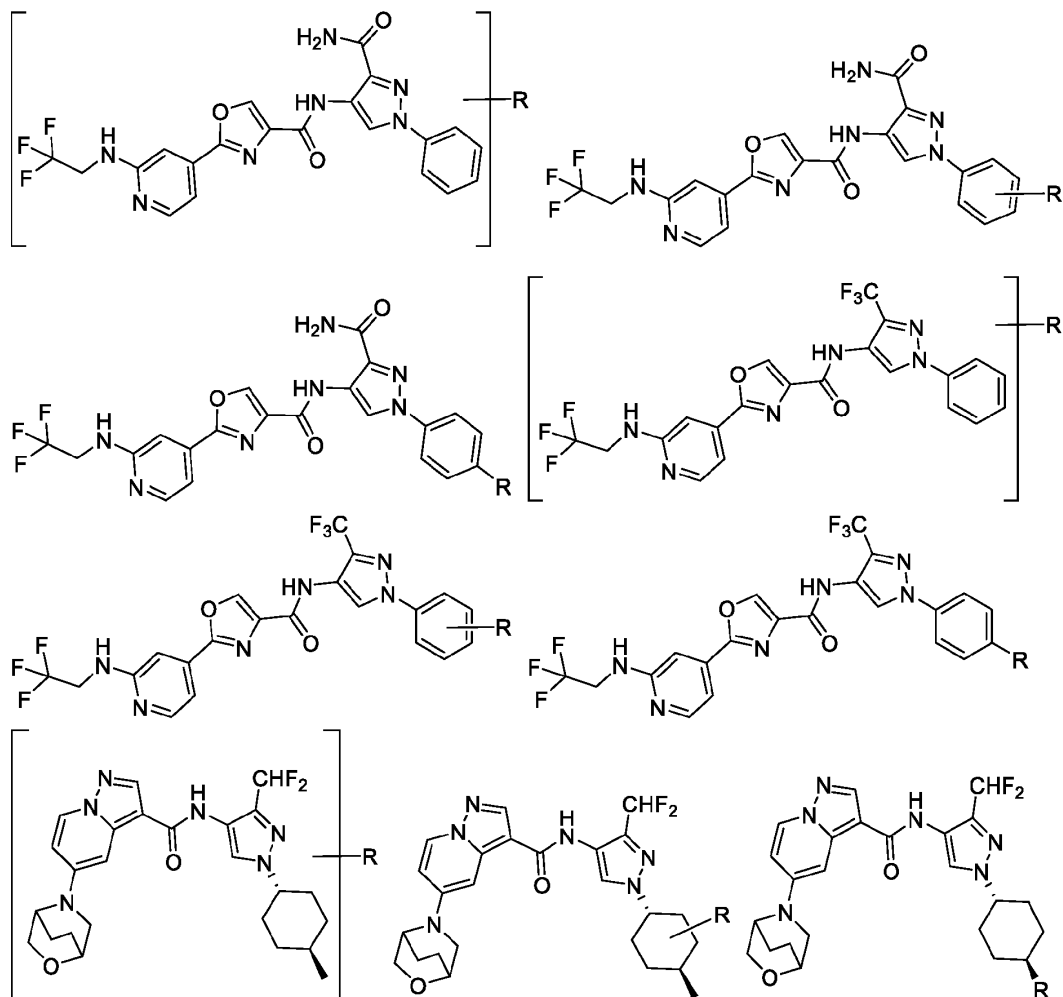


FIG. 19A

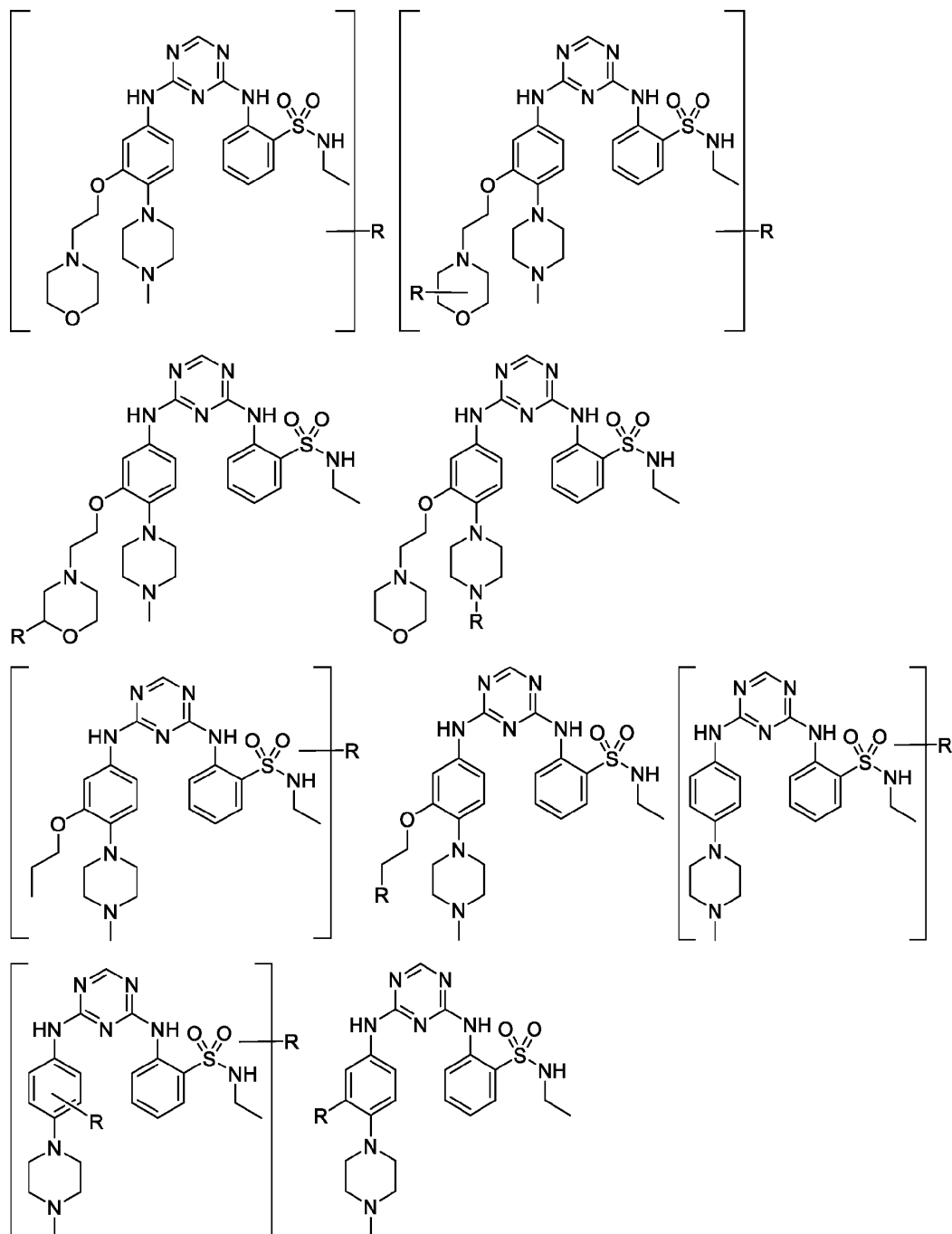




FIG. 19B

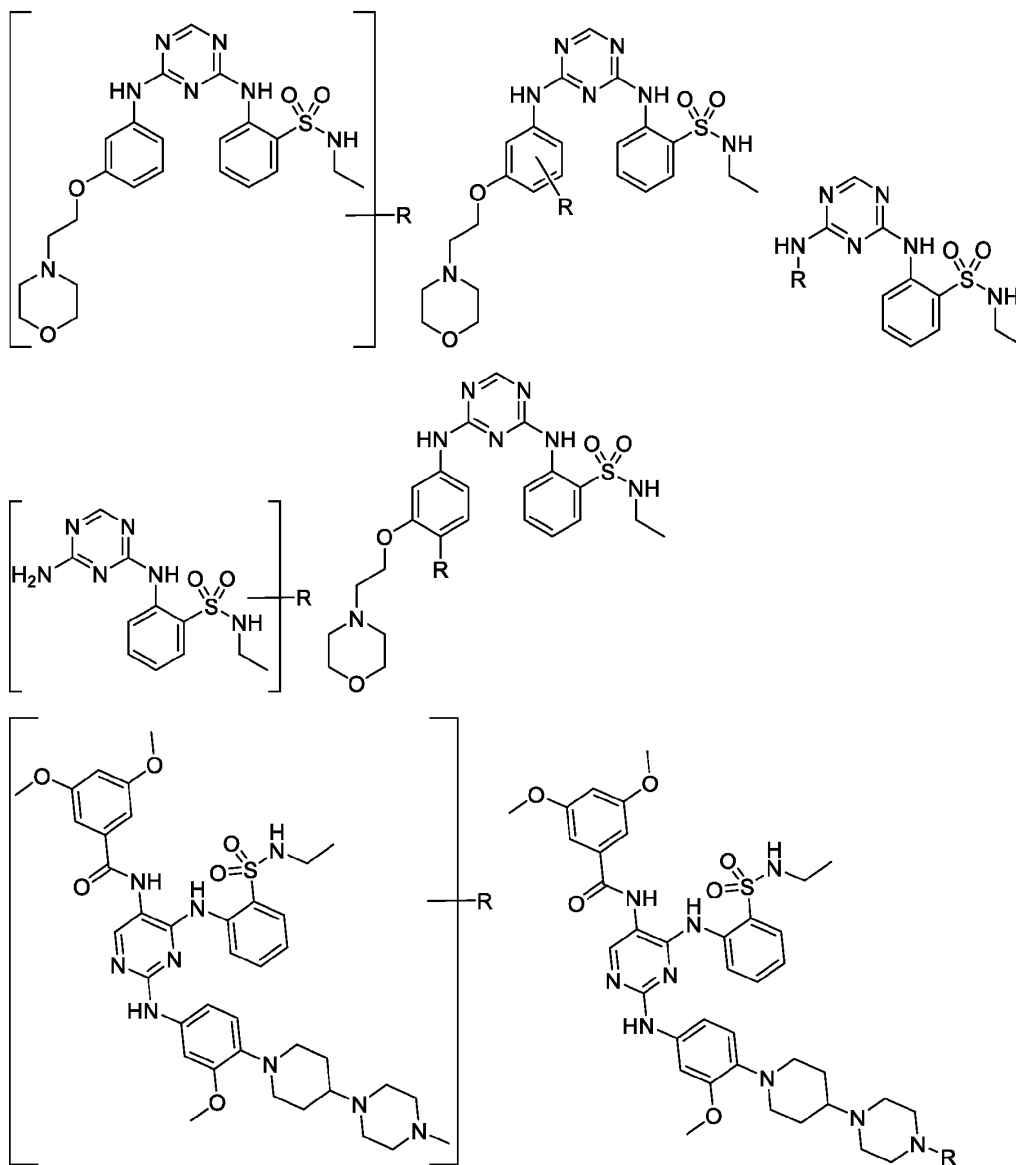


FIG. 19C

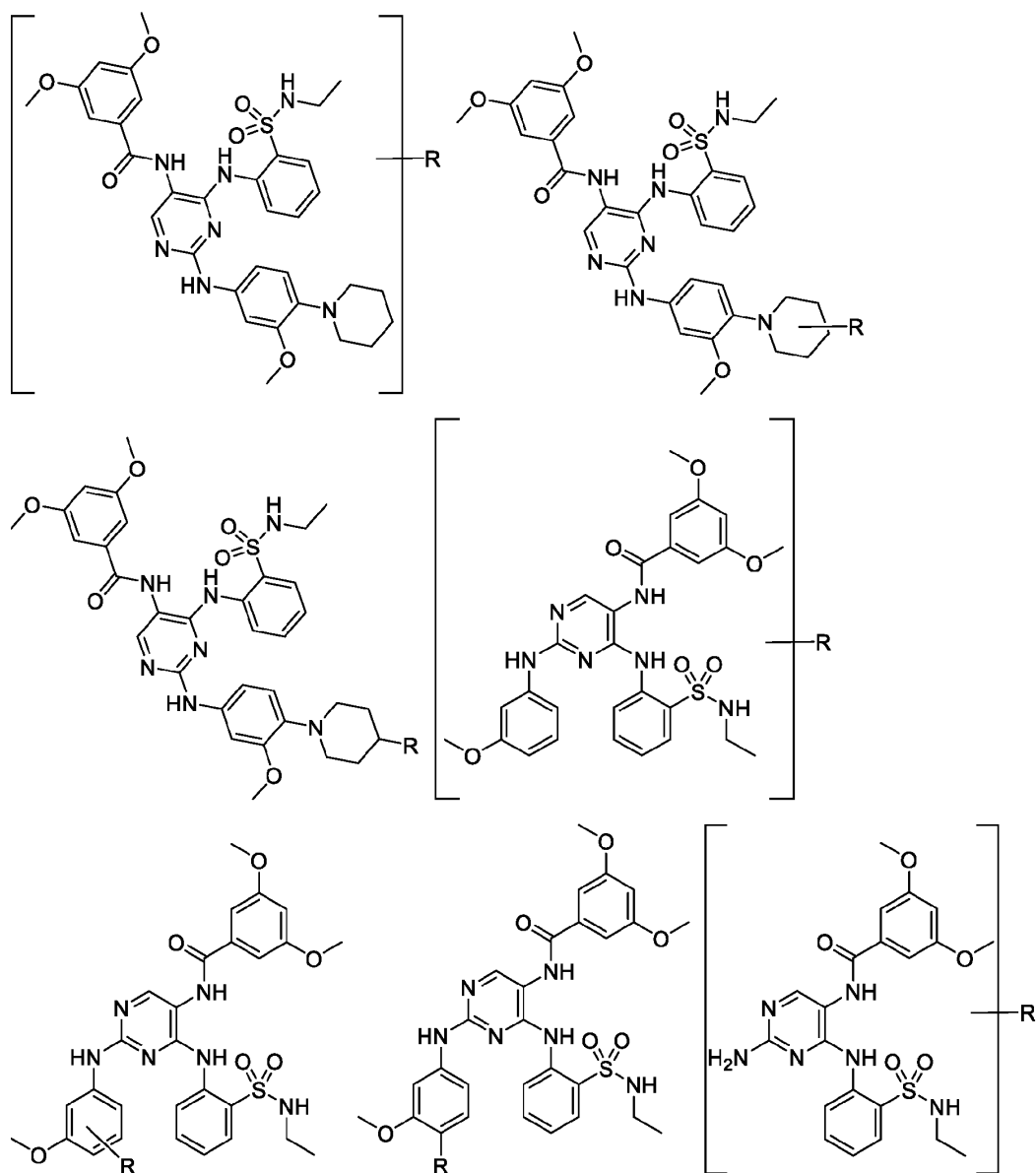


FIG. 19D

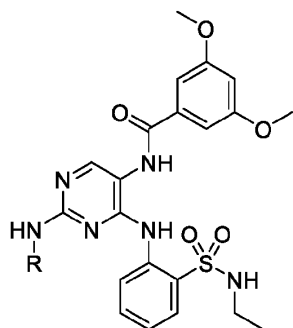


FIG. 20A

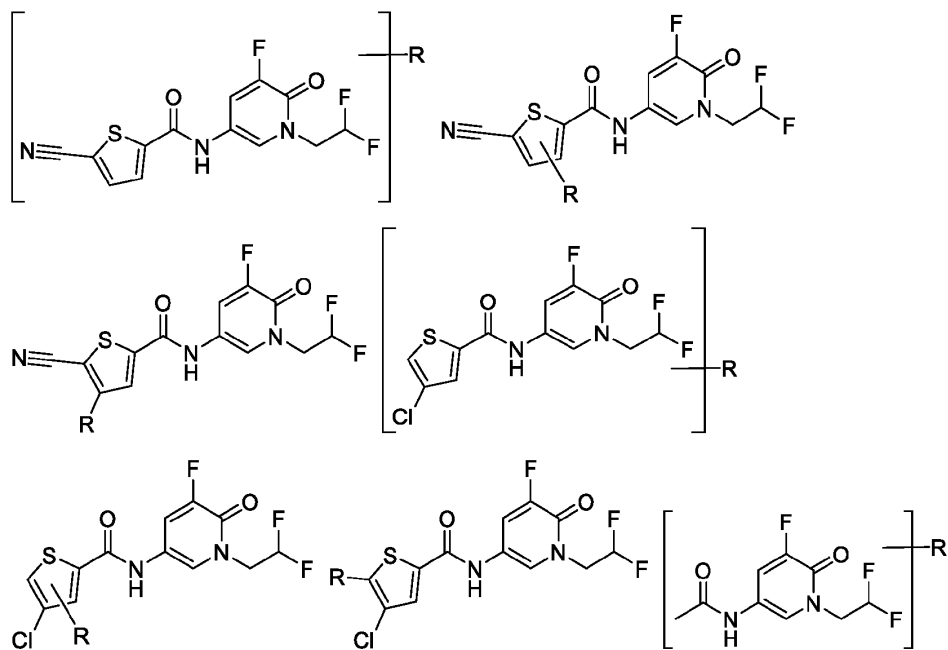


FIG. 20B

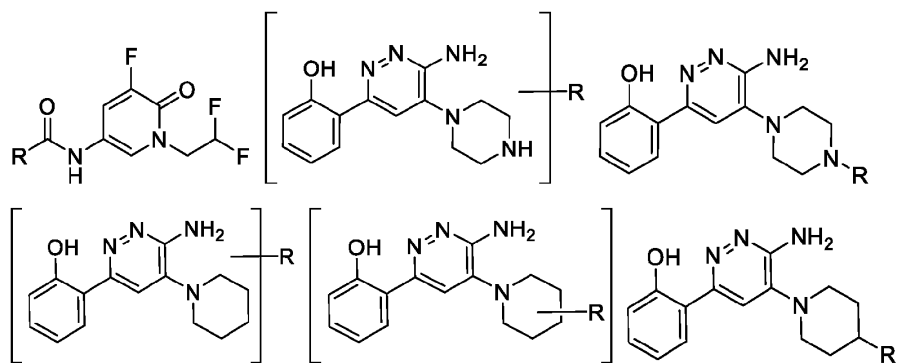


FIG. 20C

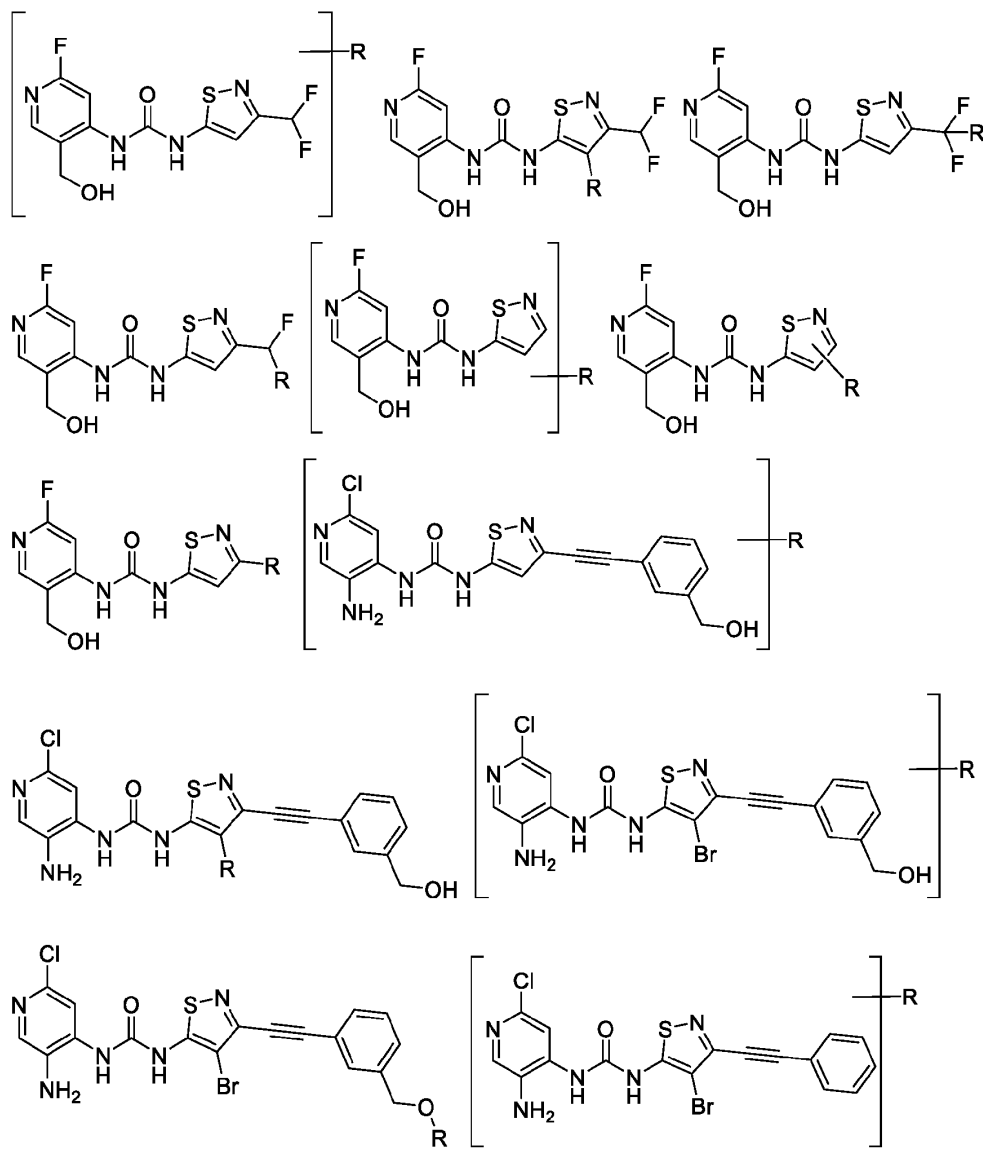


FIG. 20D

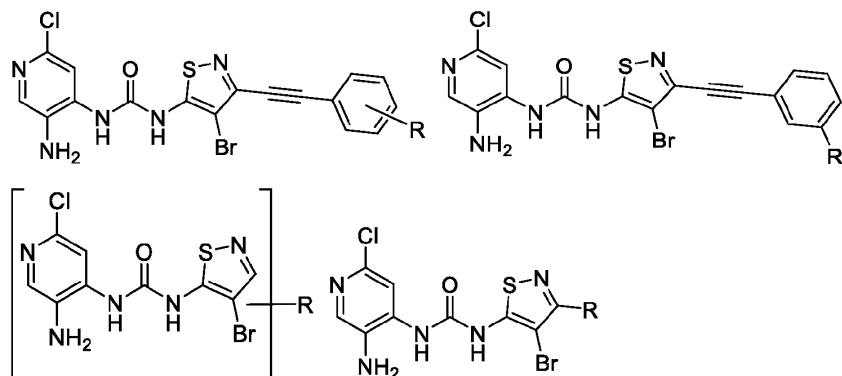


FIG. 21A

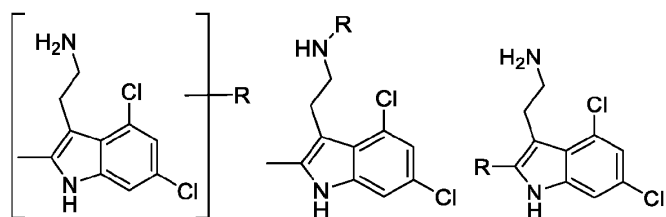


FIG. 21B

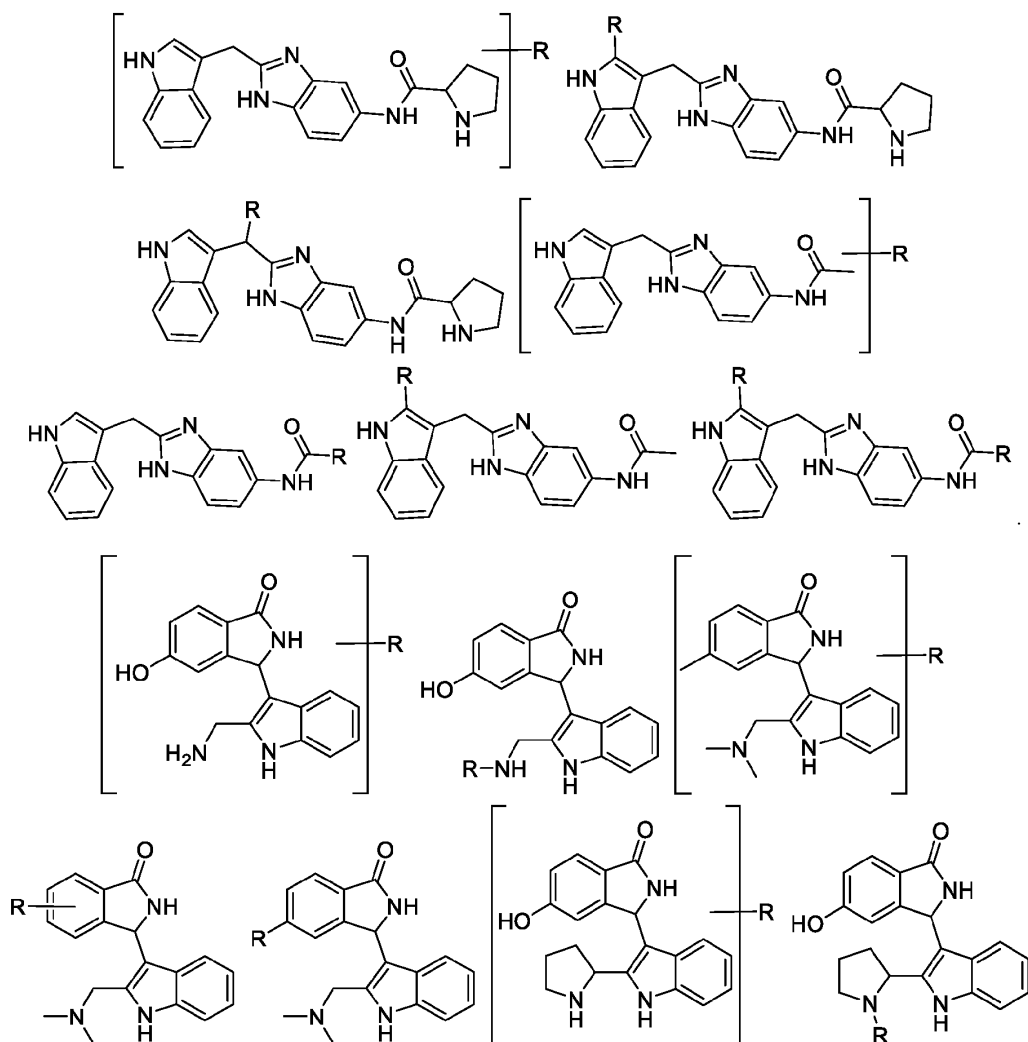


FIG. 21C

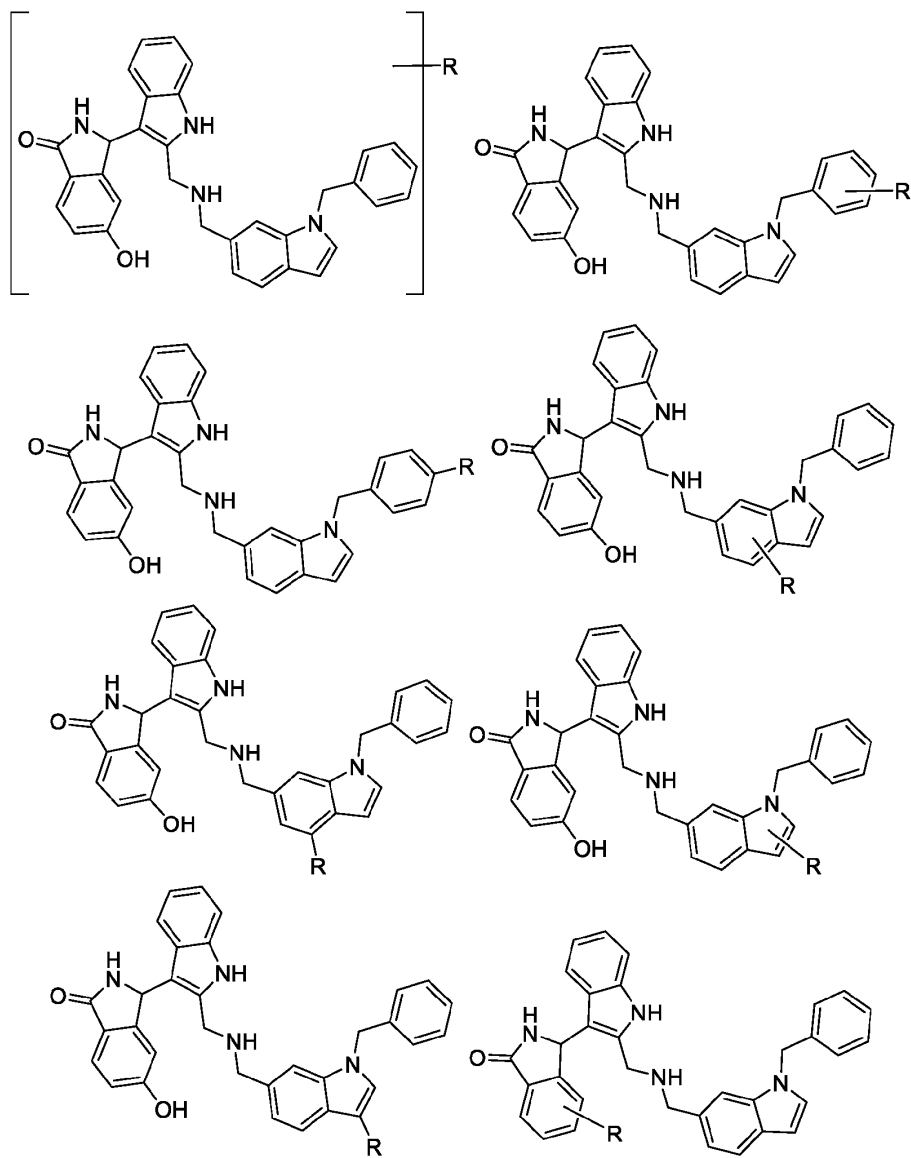




FIG. 21D

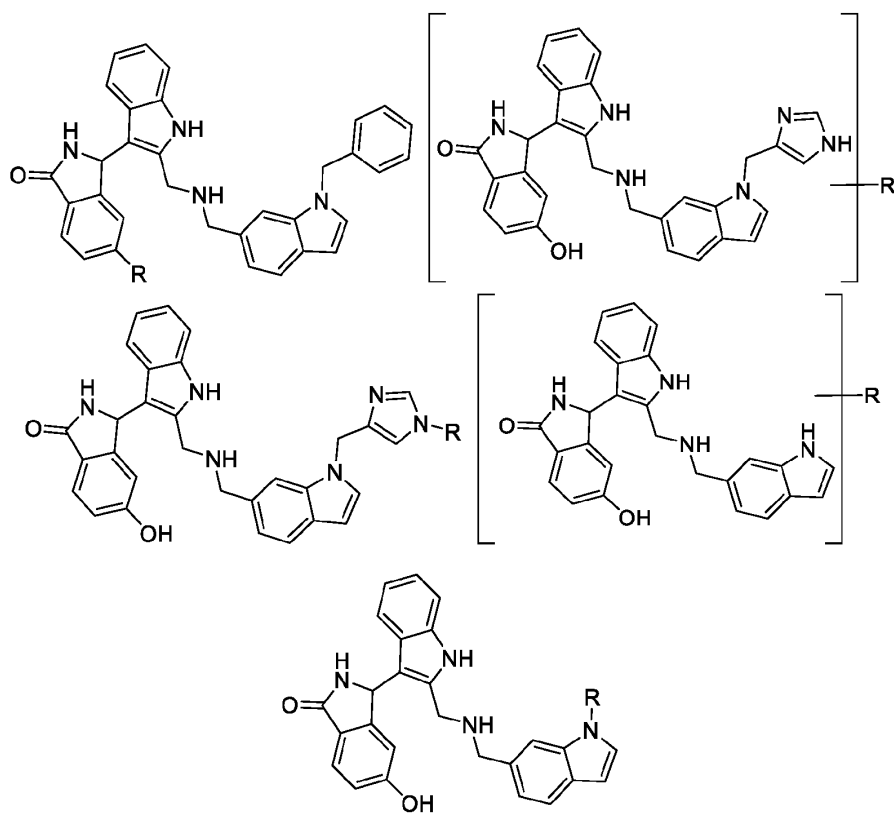


FIG. 21E

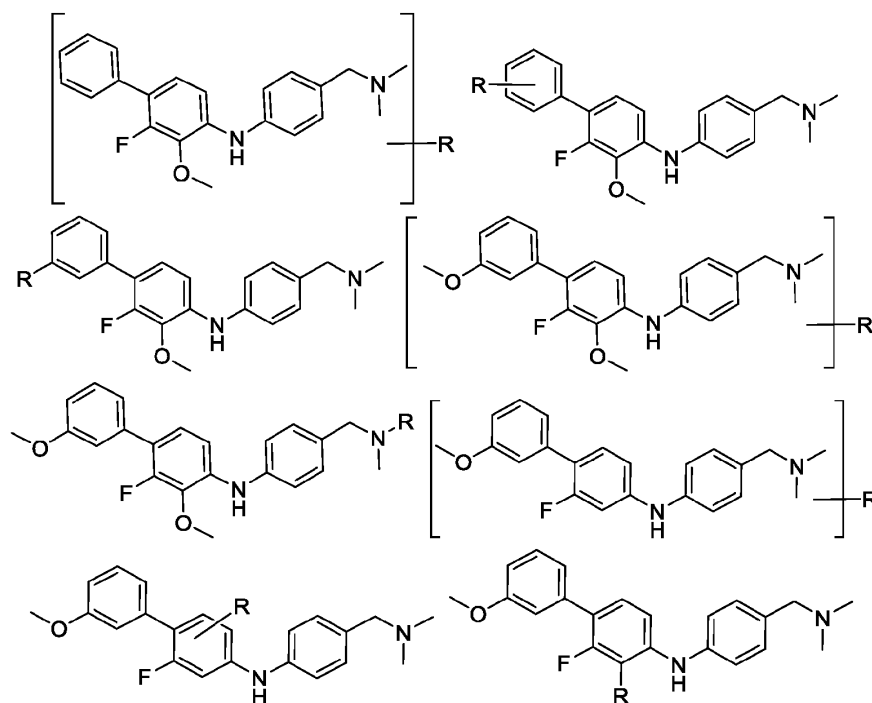






FIG. 21H

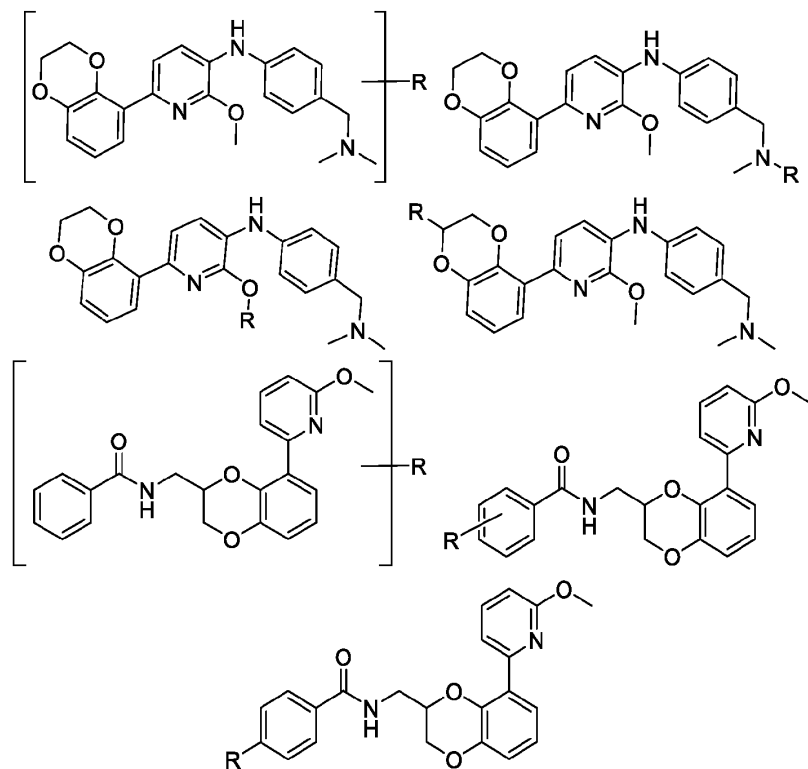


FIG. 21I

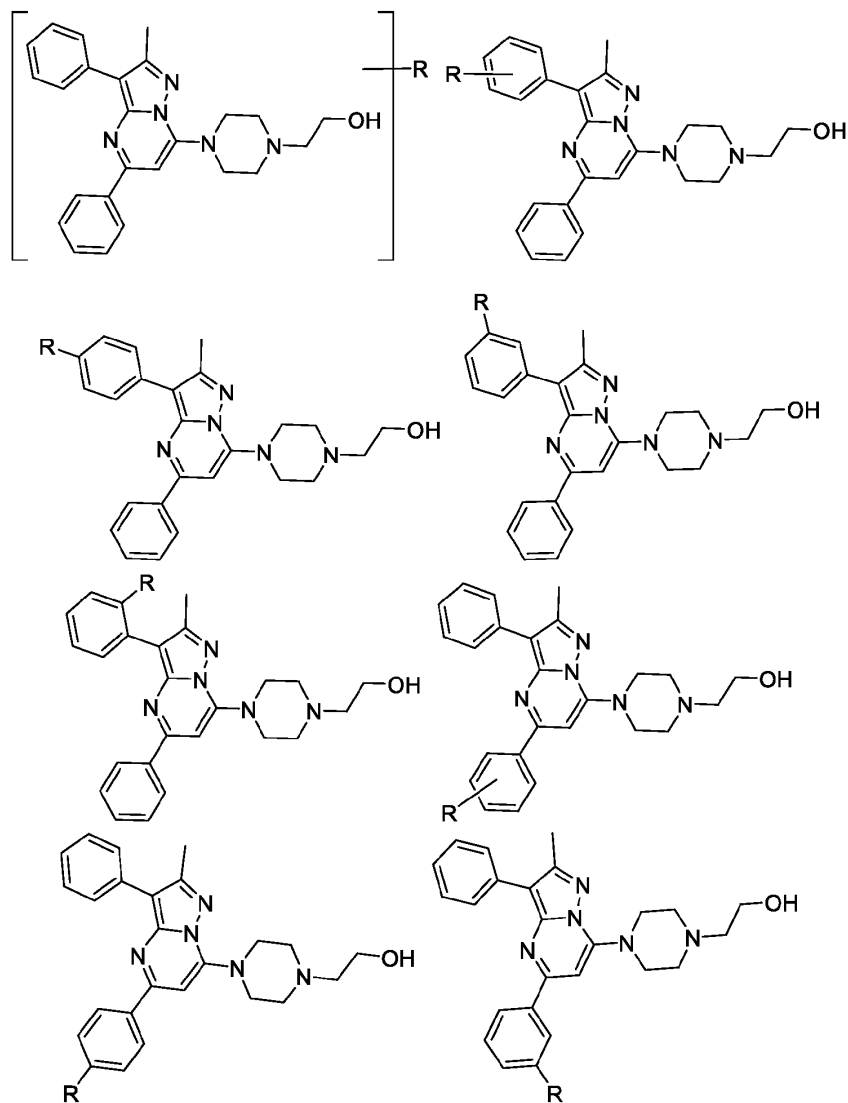


FIG. 21J

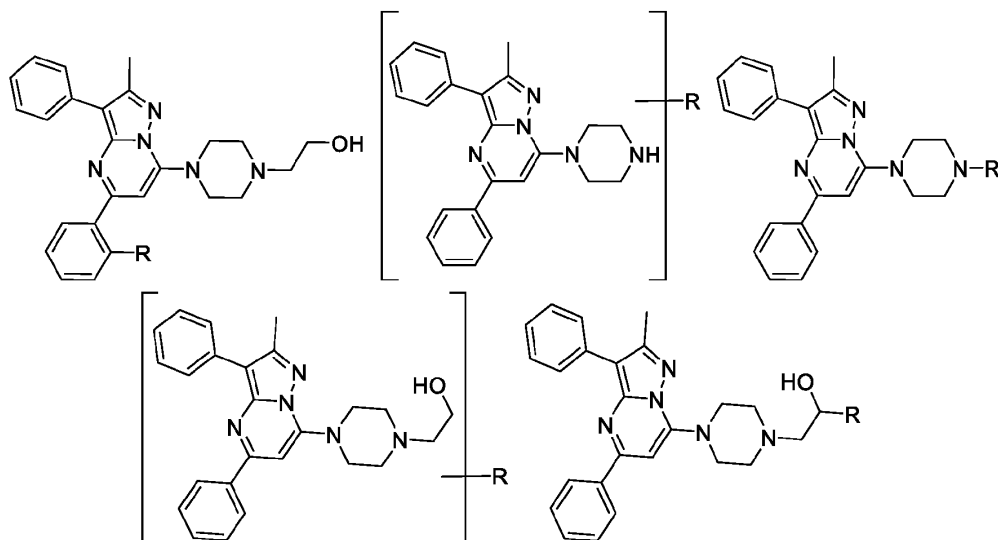


FIG. 22

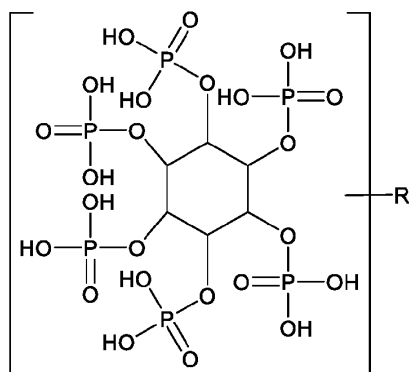


FIG. 23

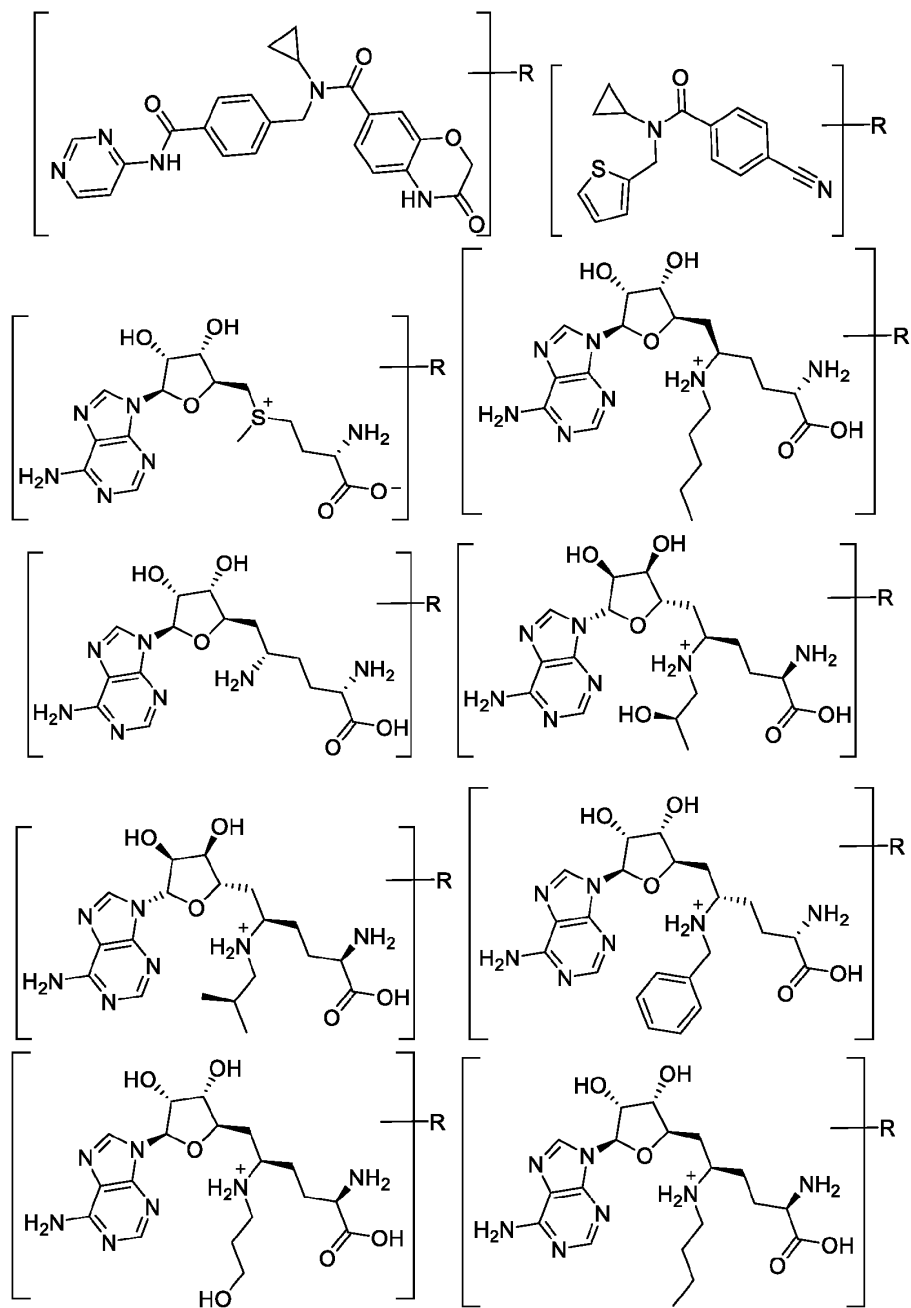




FIG. 24

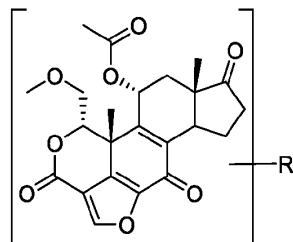


FIG. 25

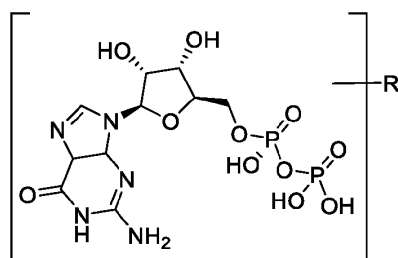


FIG. 26

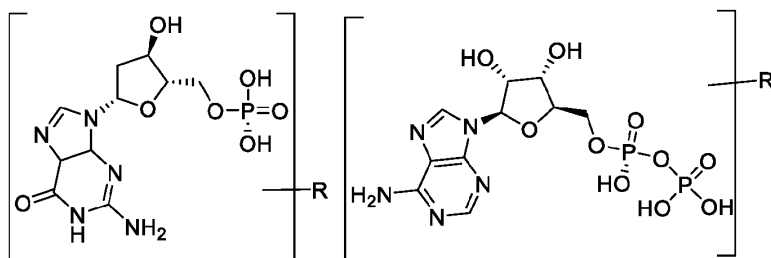


FIG. 27

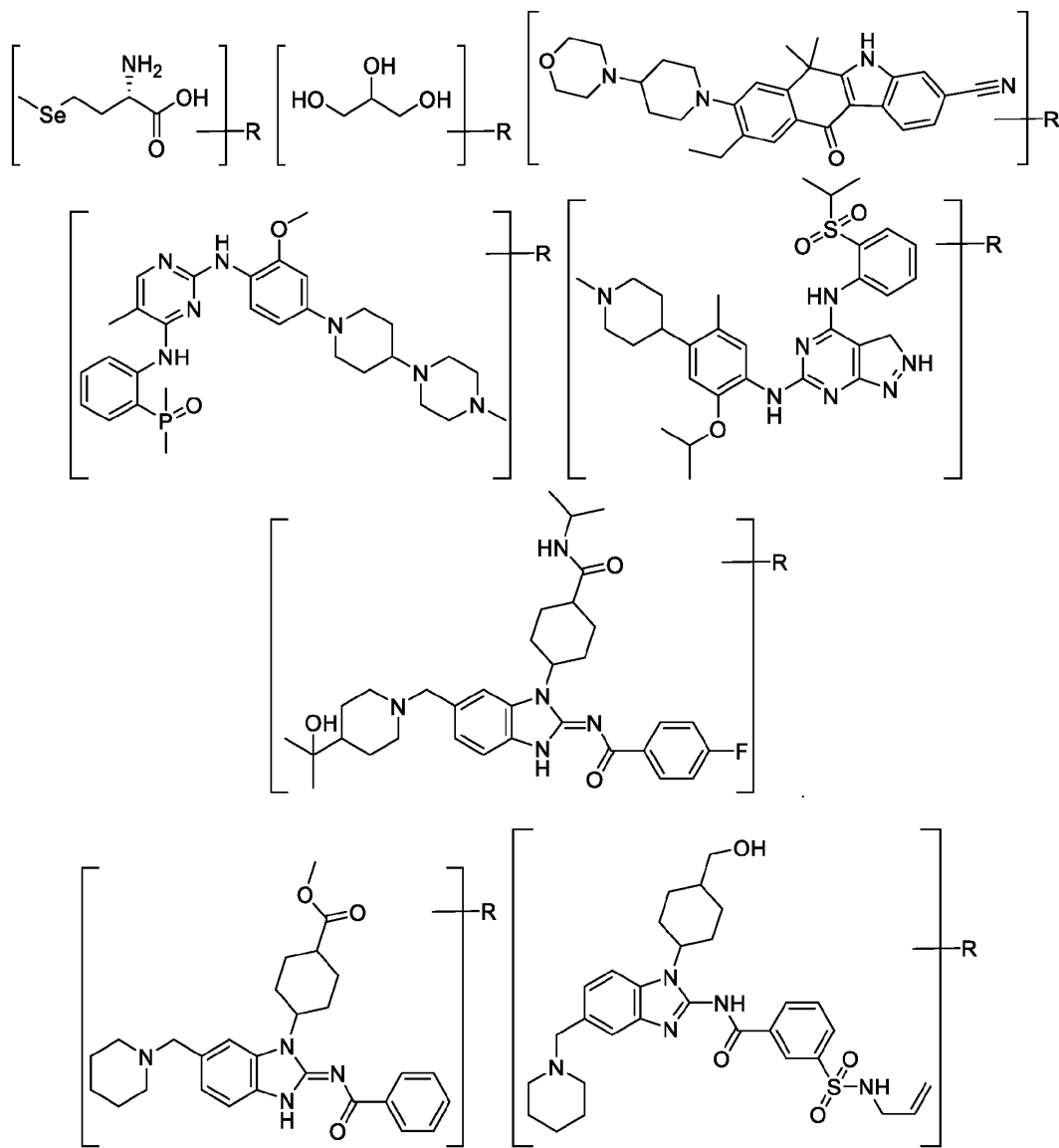


FIG. 28

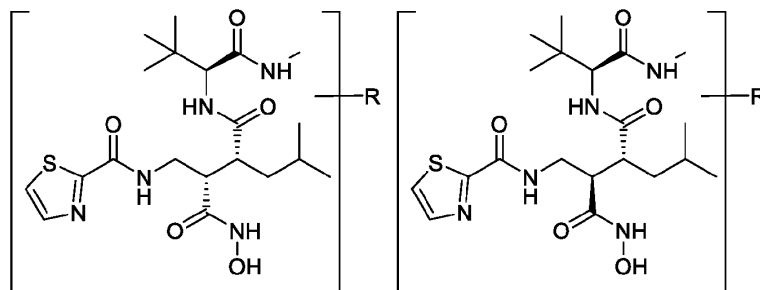


FIG. 29

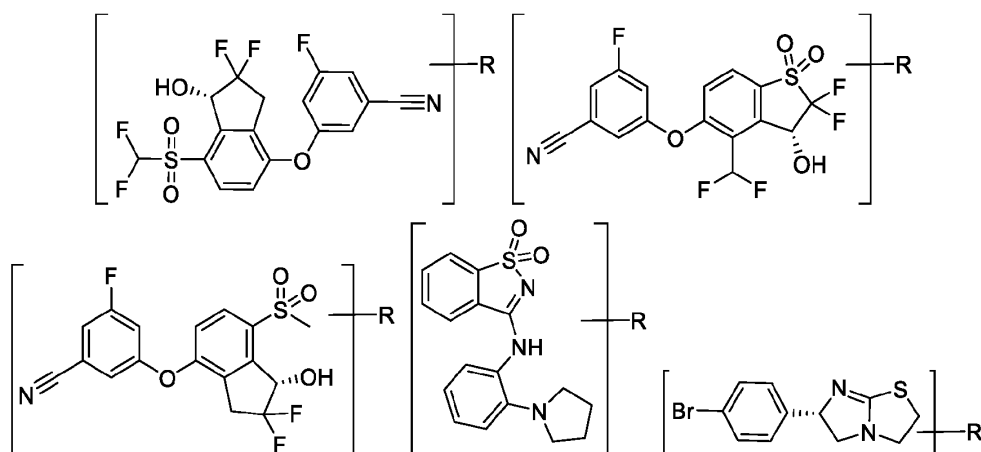


FIG. 30A

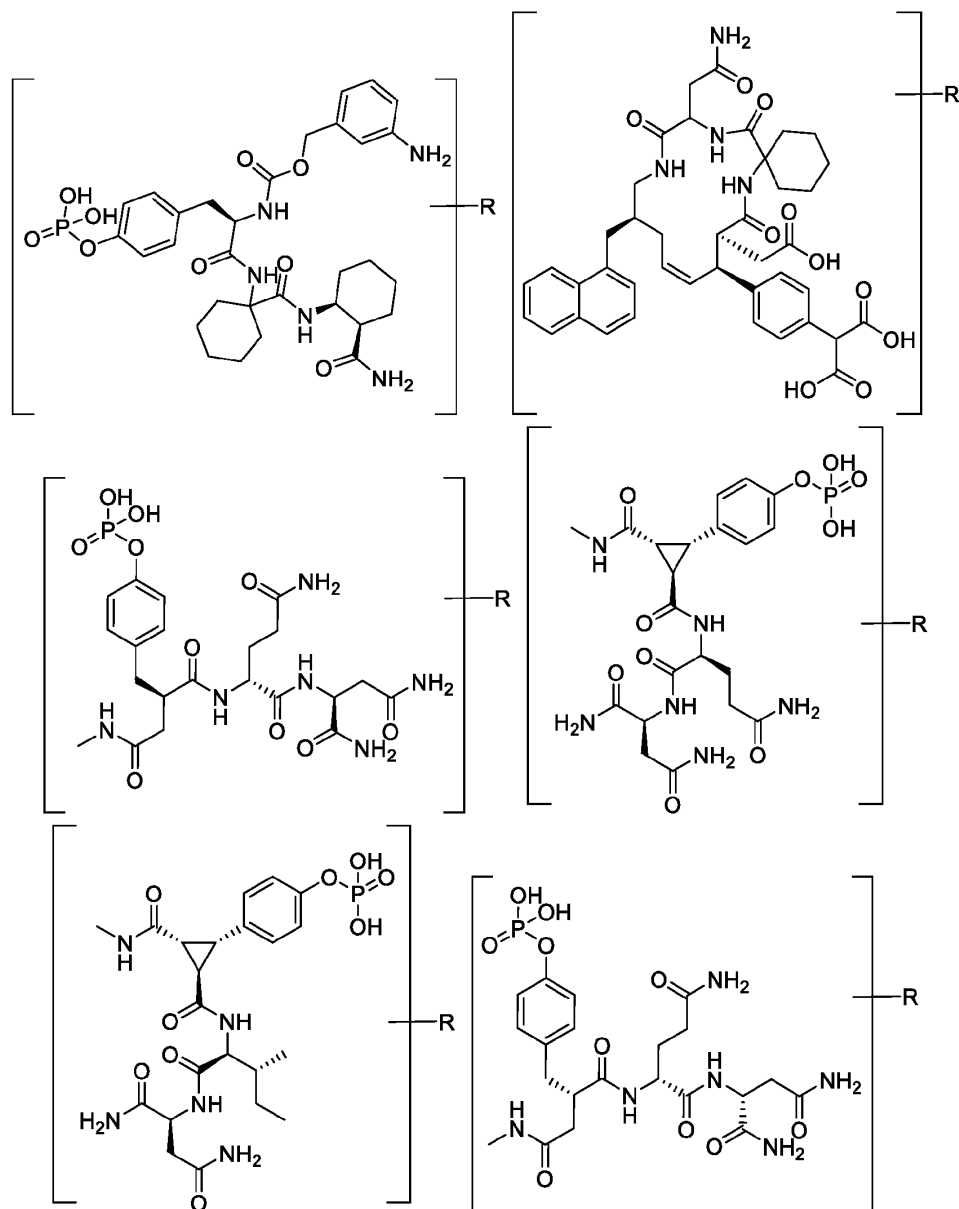


FIG. 30B

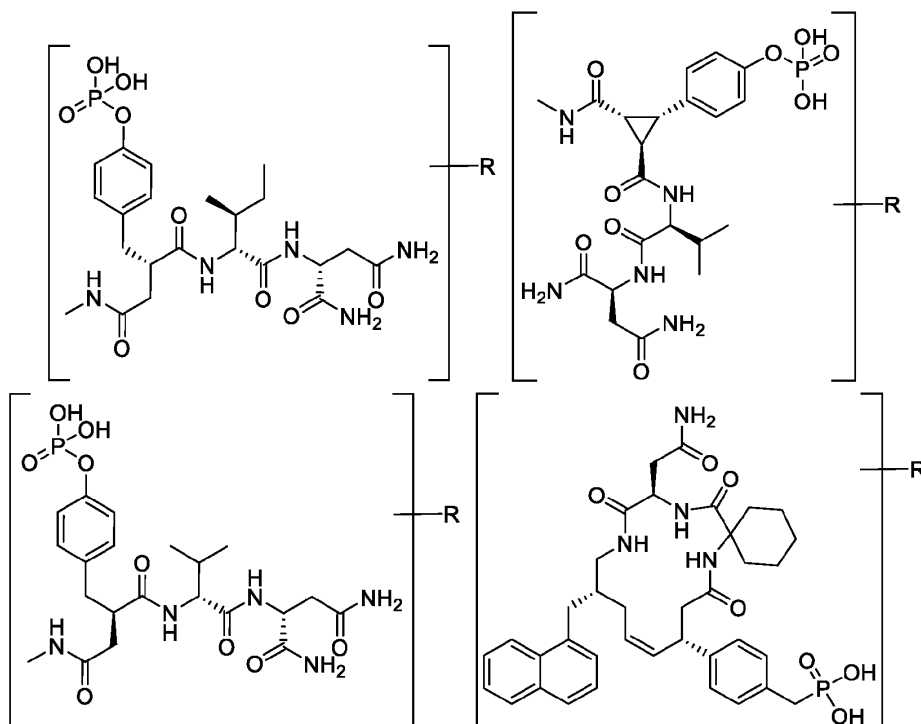


FIG. 31

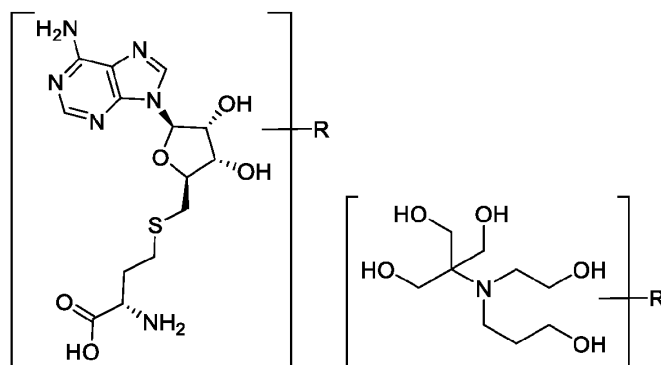


FIG. 32

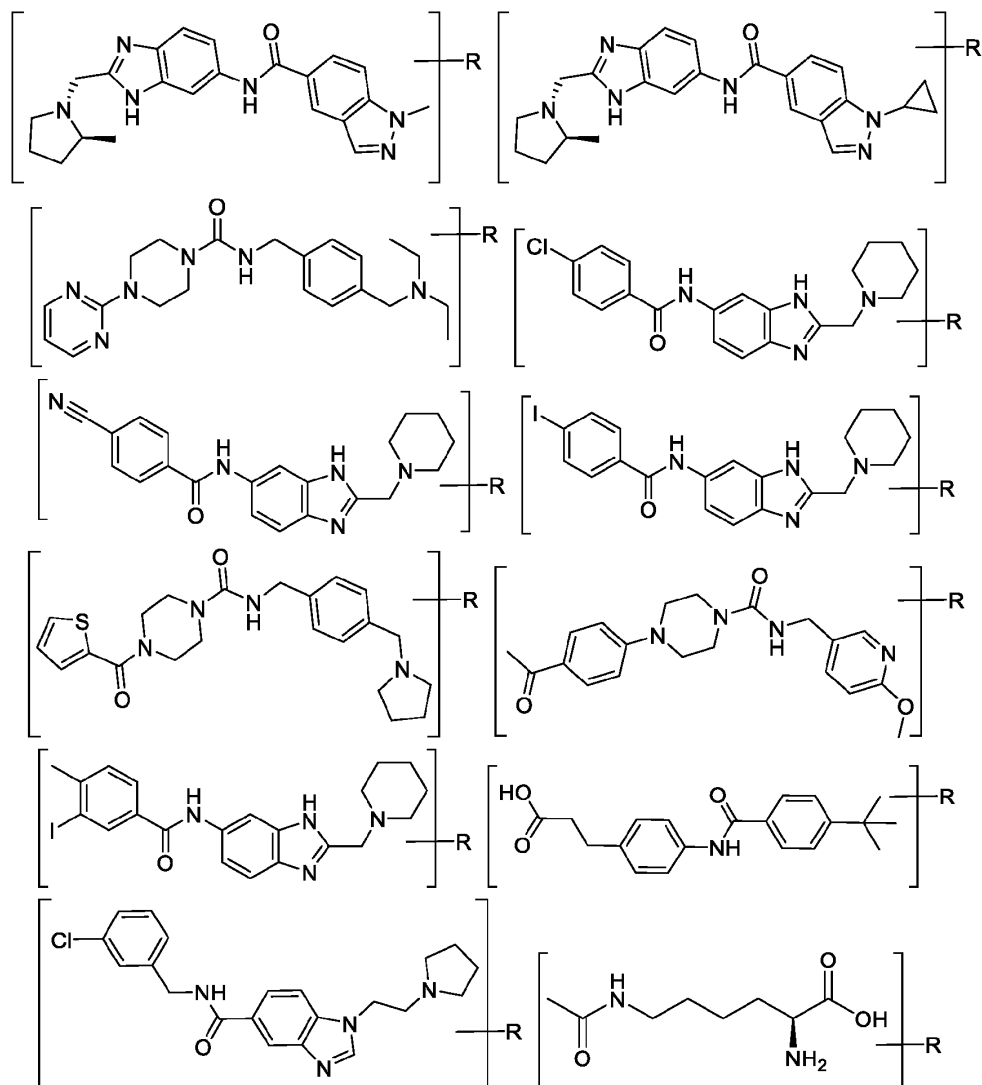


FIG. 33

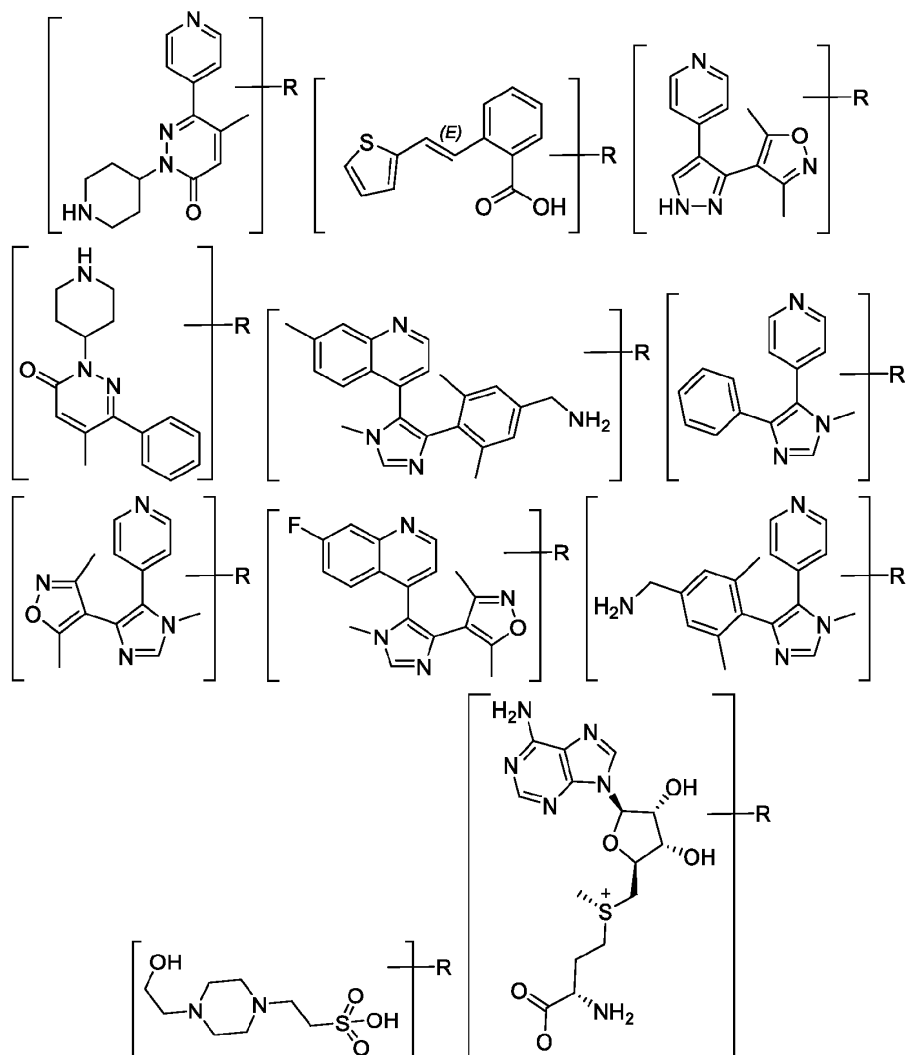


FIG. 34

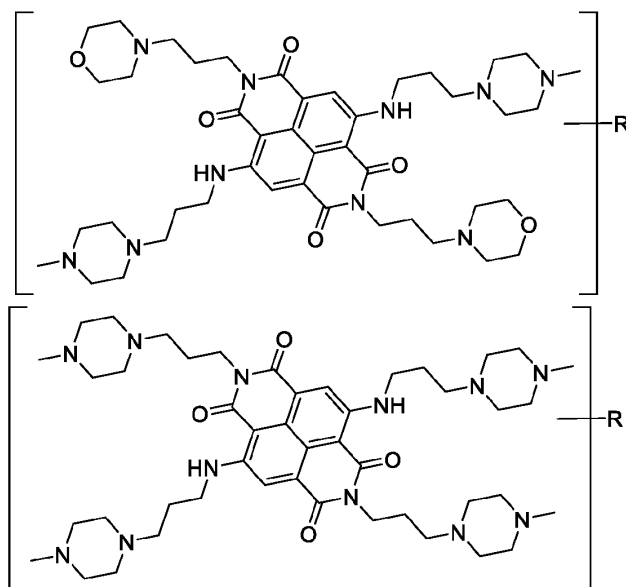




FIG. 35A

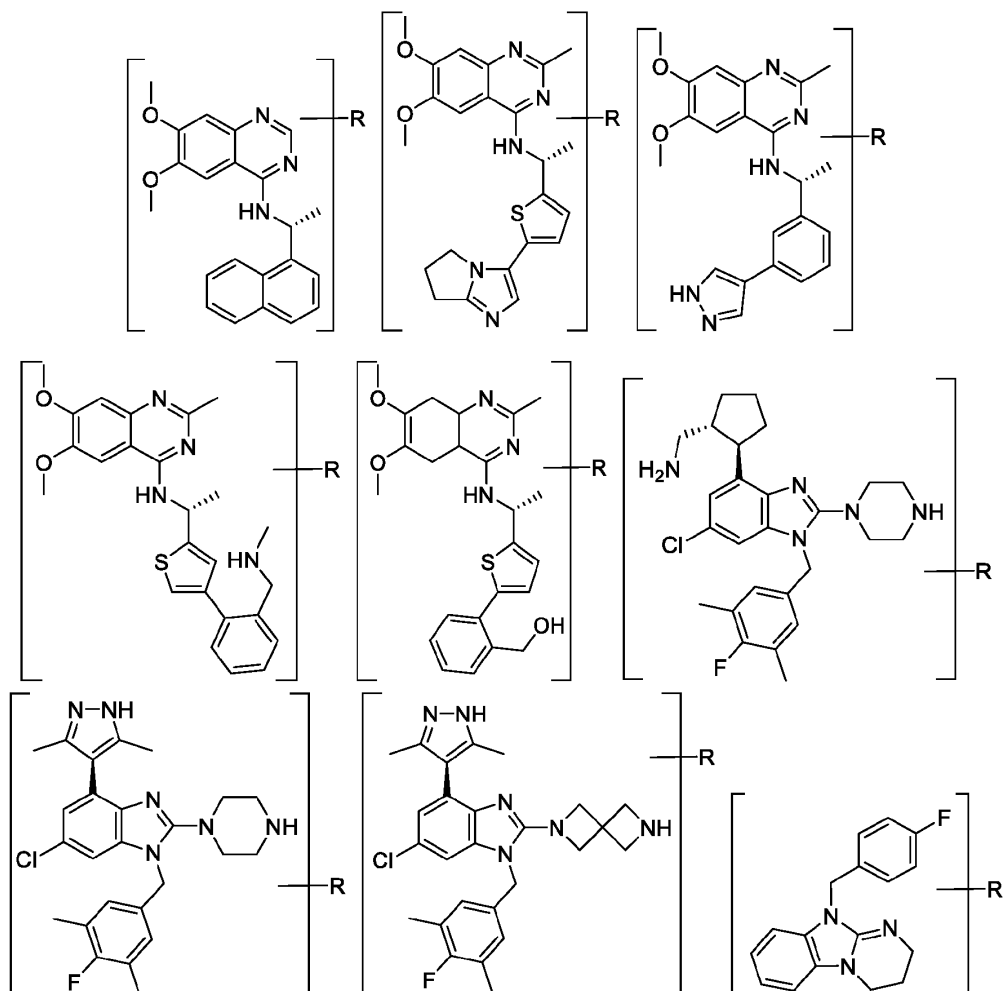


FIG. 35B

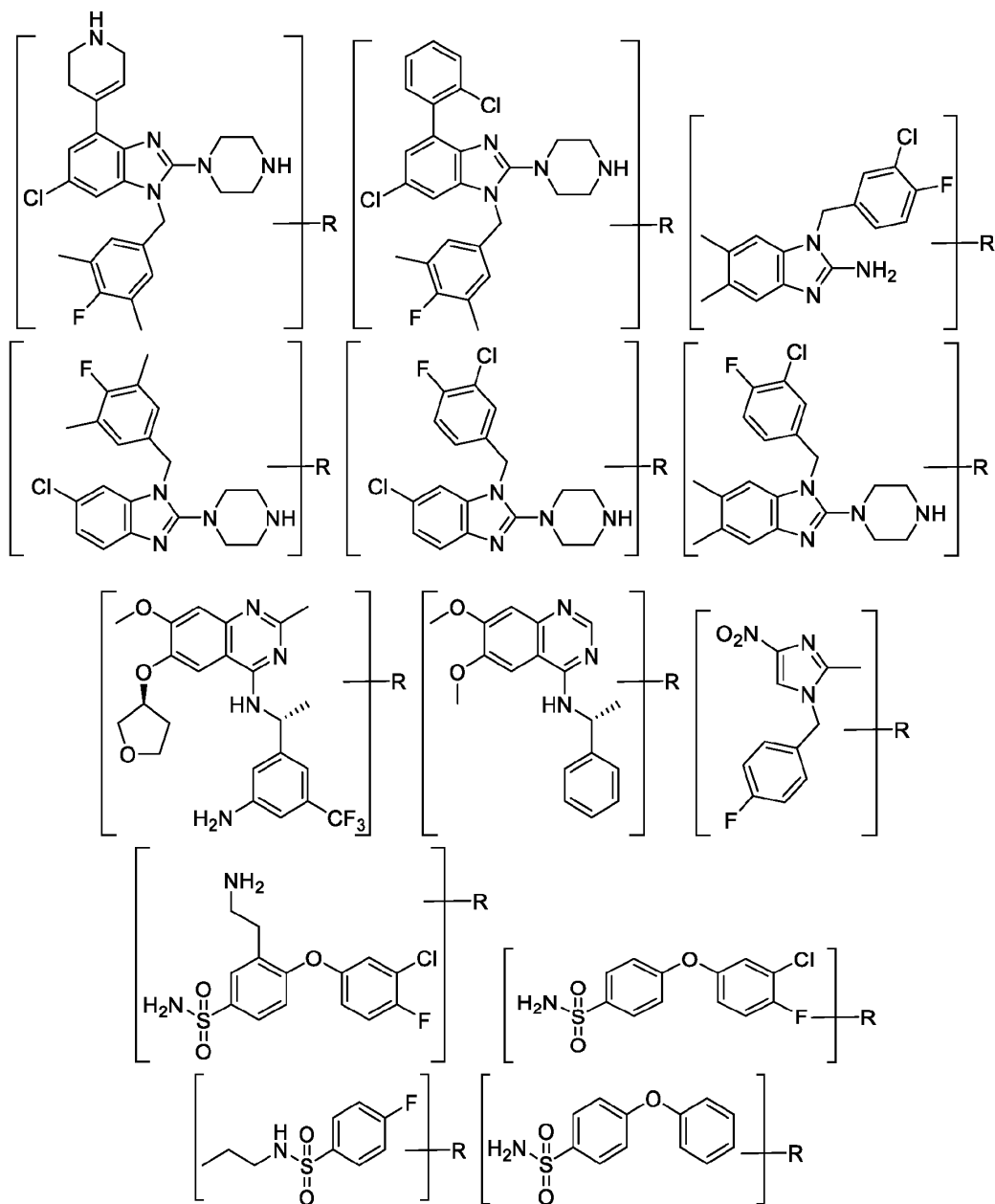


FIG. 36A

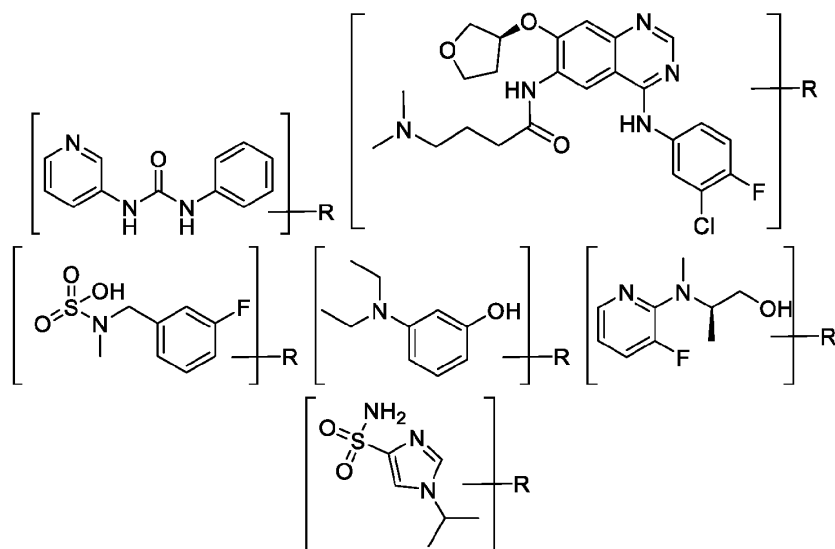


FIG. 37A

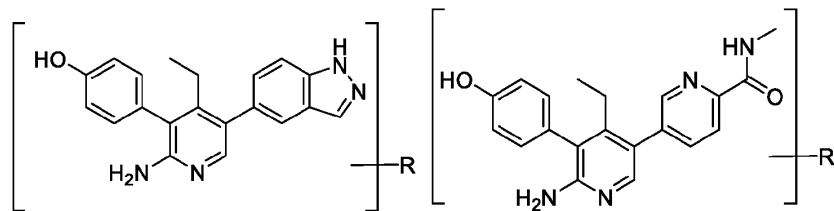


FIG. 37B

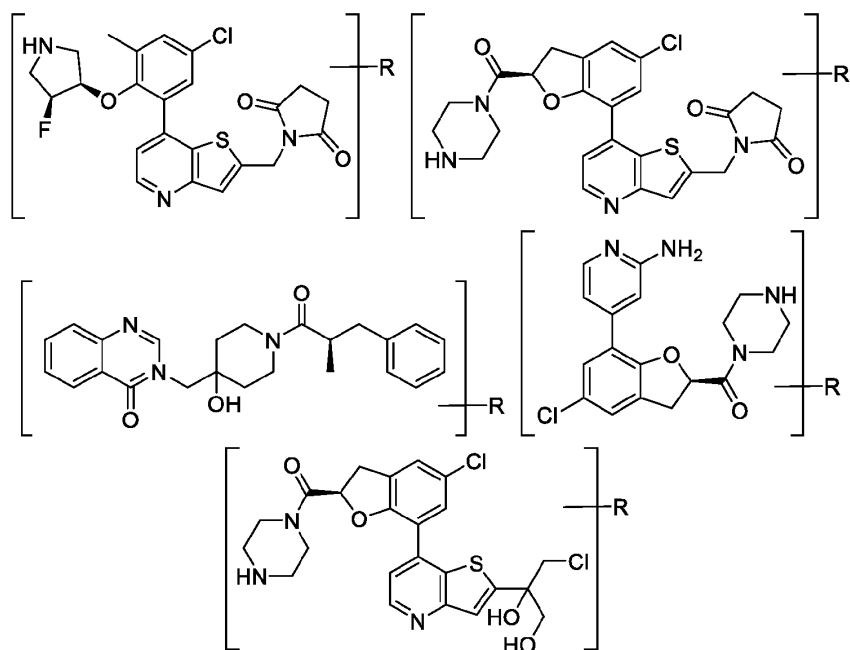


FIG. 37C

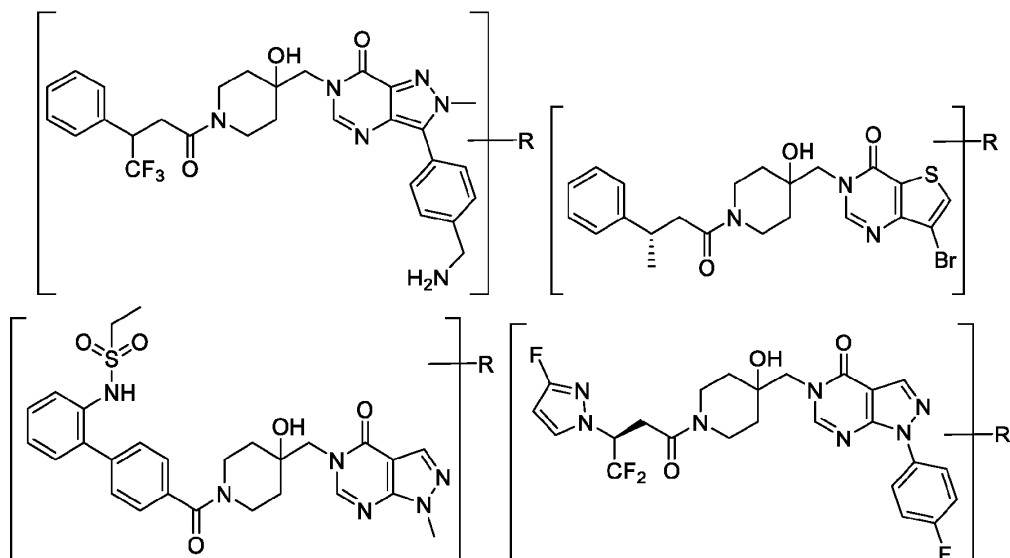


FIG. 38

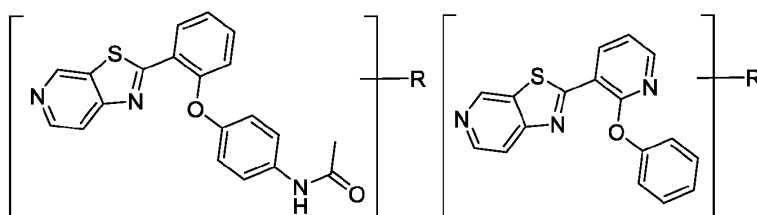


FIG. 39

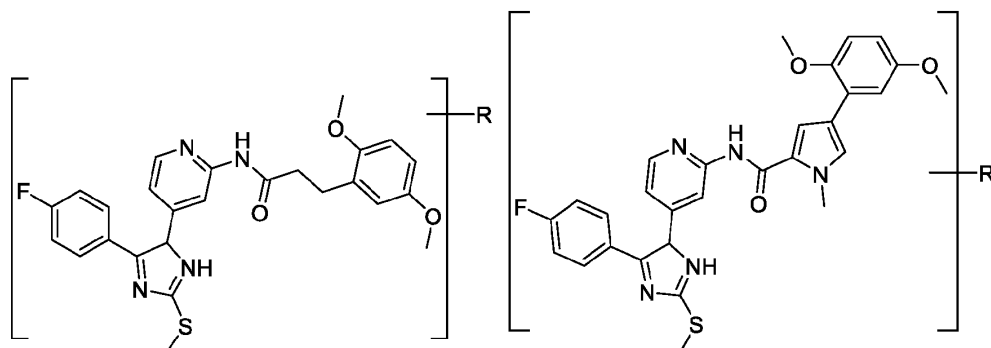


FIG. 40

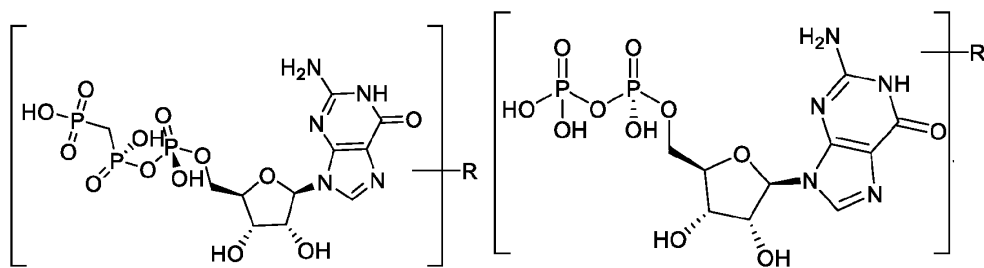


FIG. 41

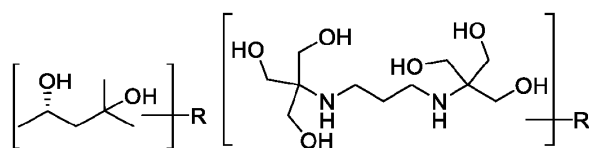


FIG. 42

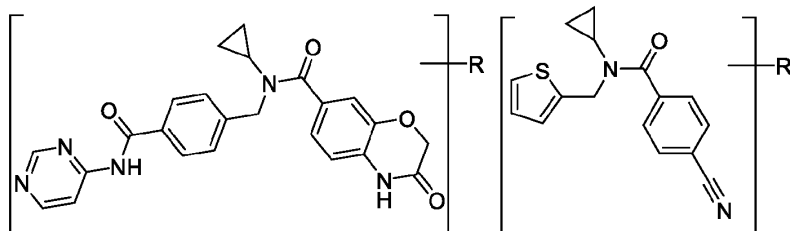


FIG. 43

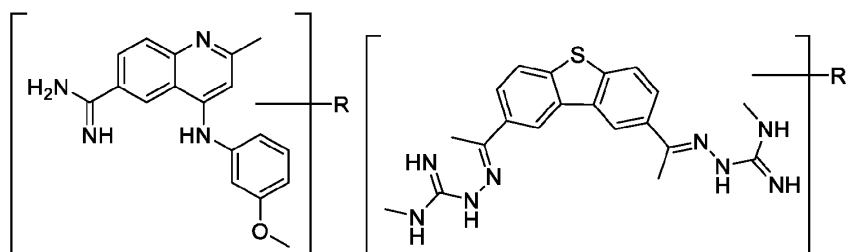


FIG. 44

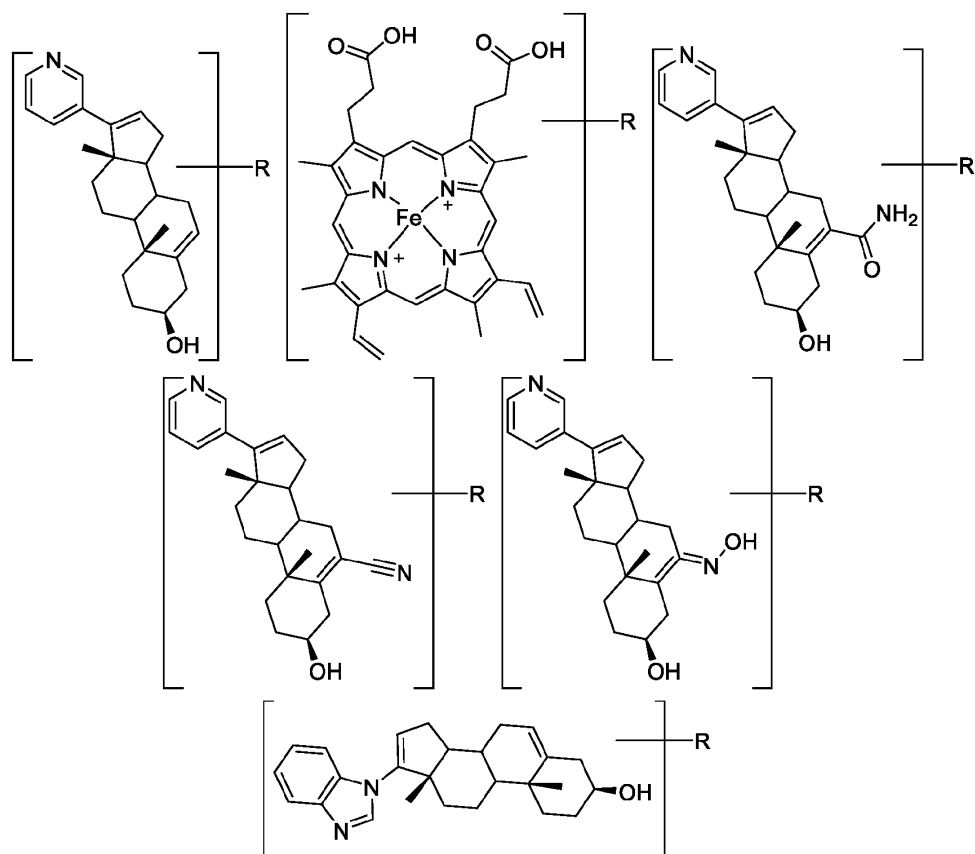




FIG. 45

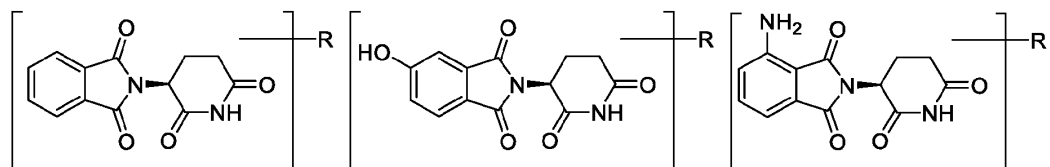


FIG. 46

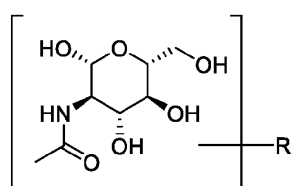


FIG. 47

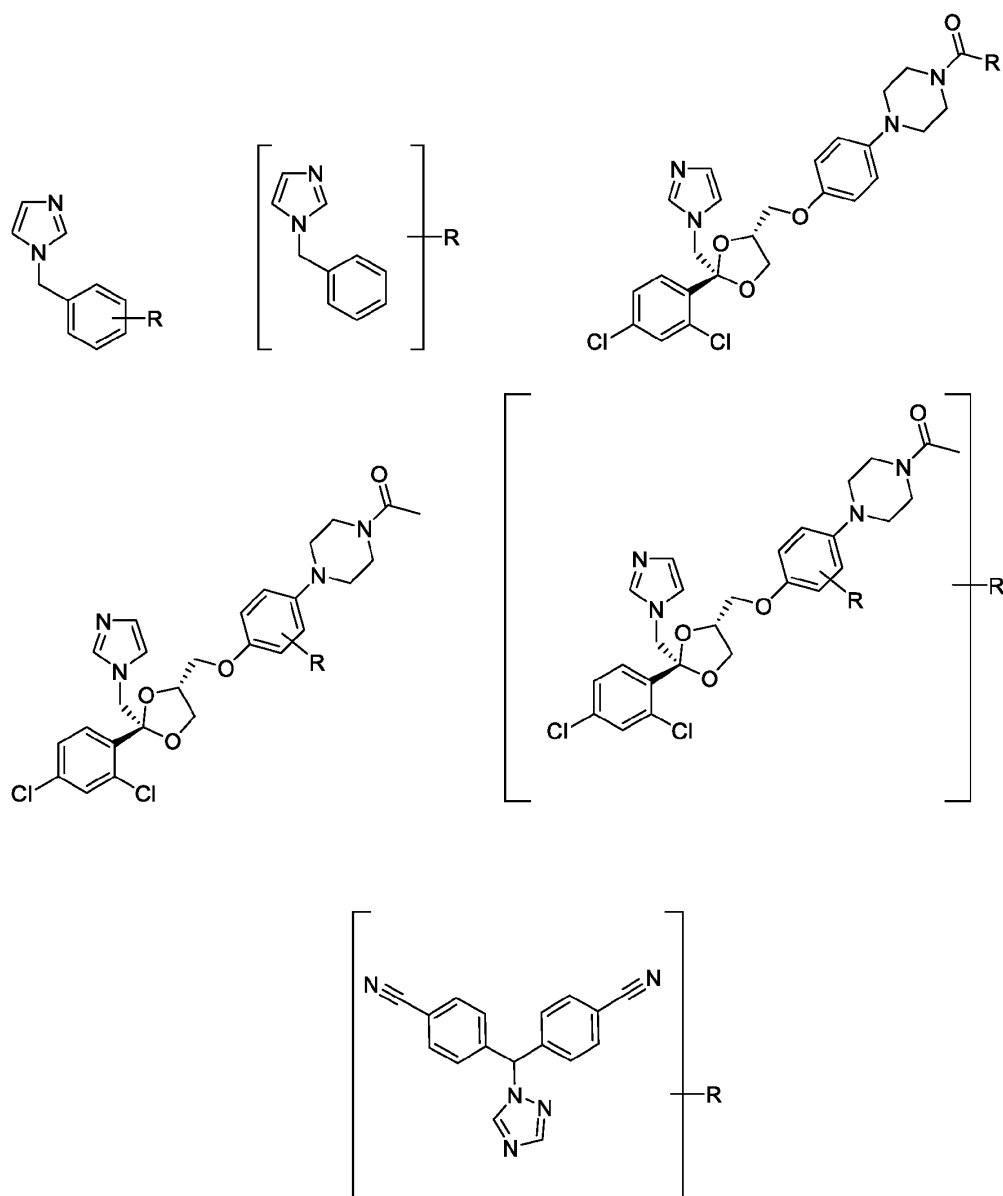


FIG. 48

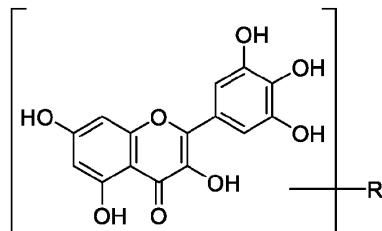


FIG. 49

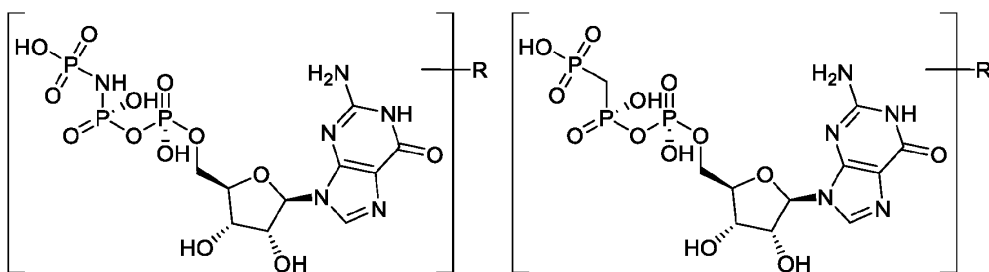


FIG. 50

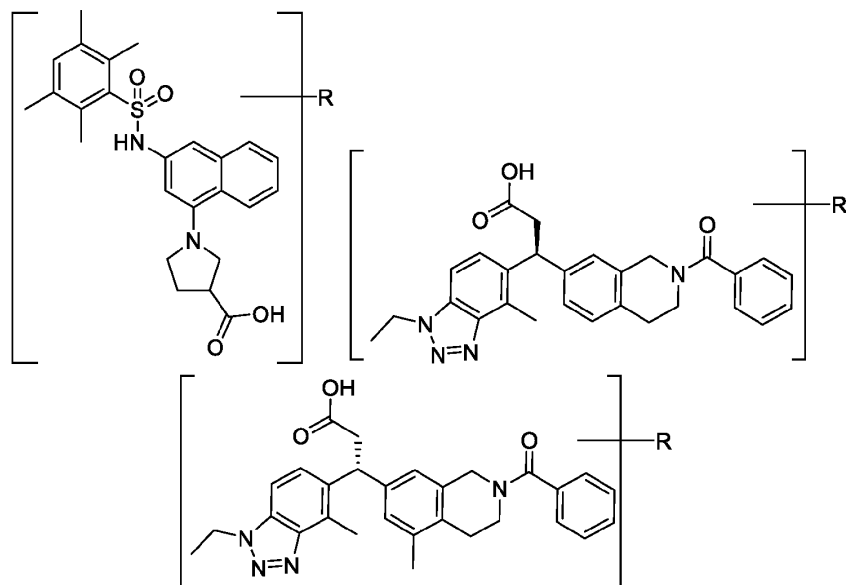


FIG. 51

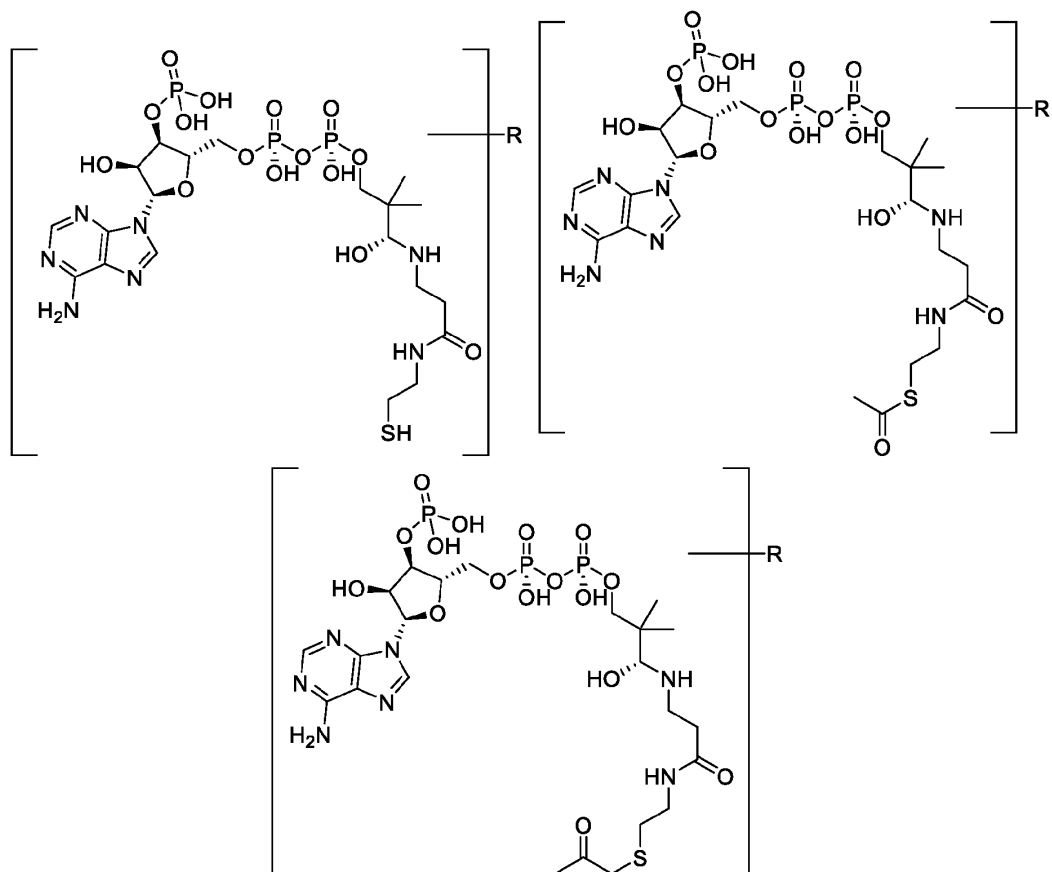


FIG. 52

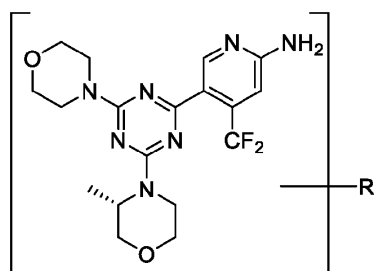


FIG. 53

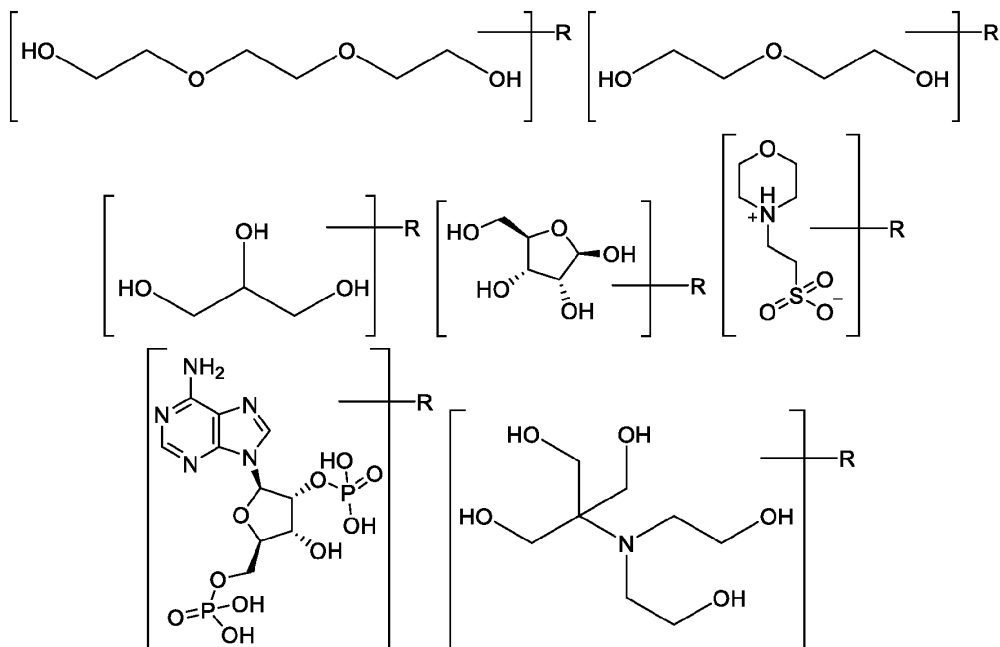


FIG. 54

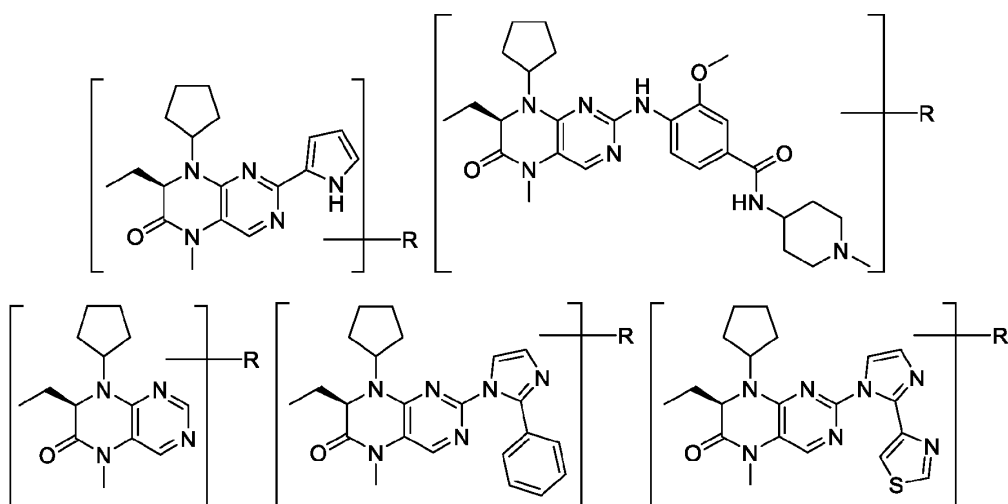


FIG. 55

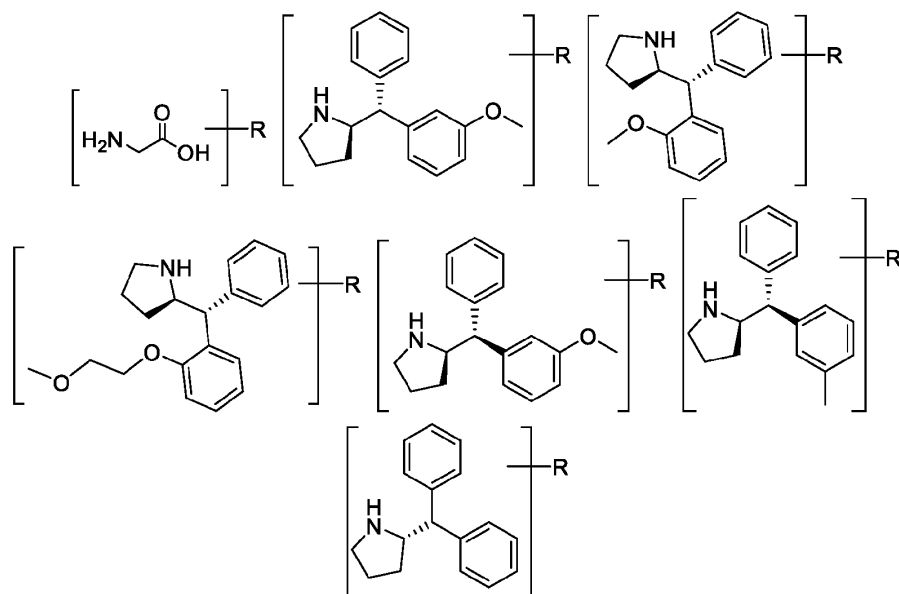


FIG. 56

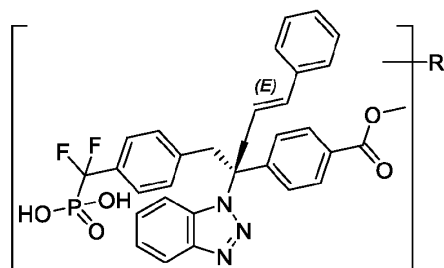


FIG. 57

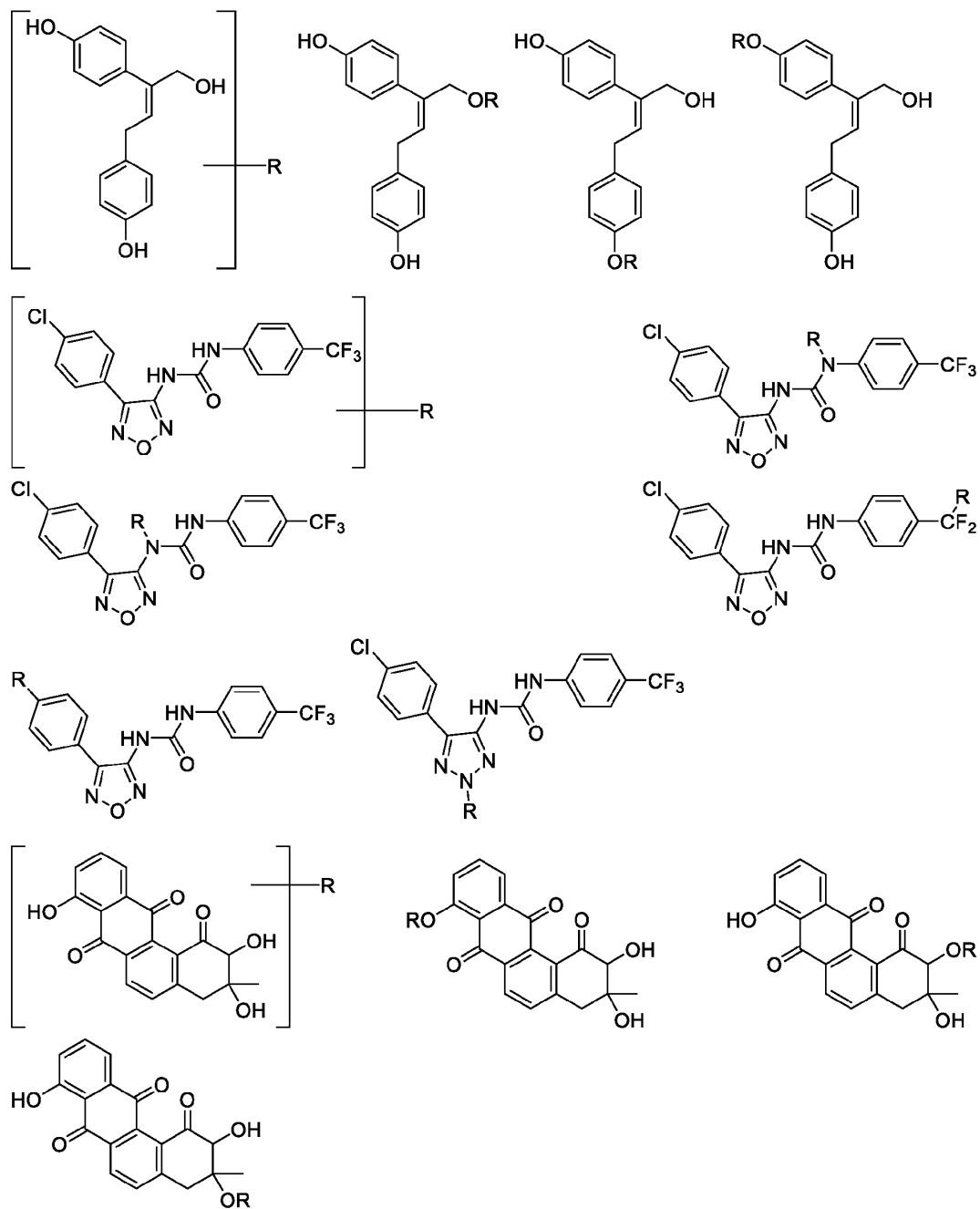


FIG. 58

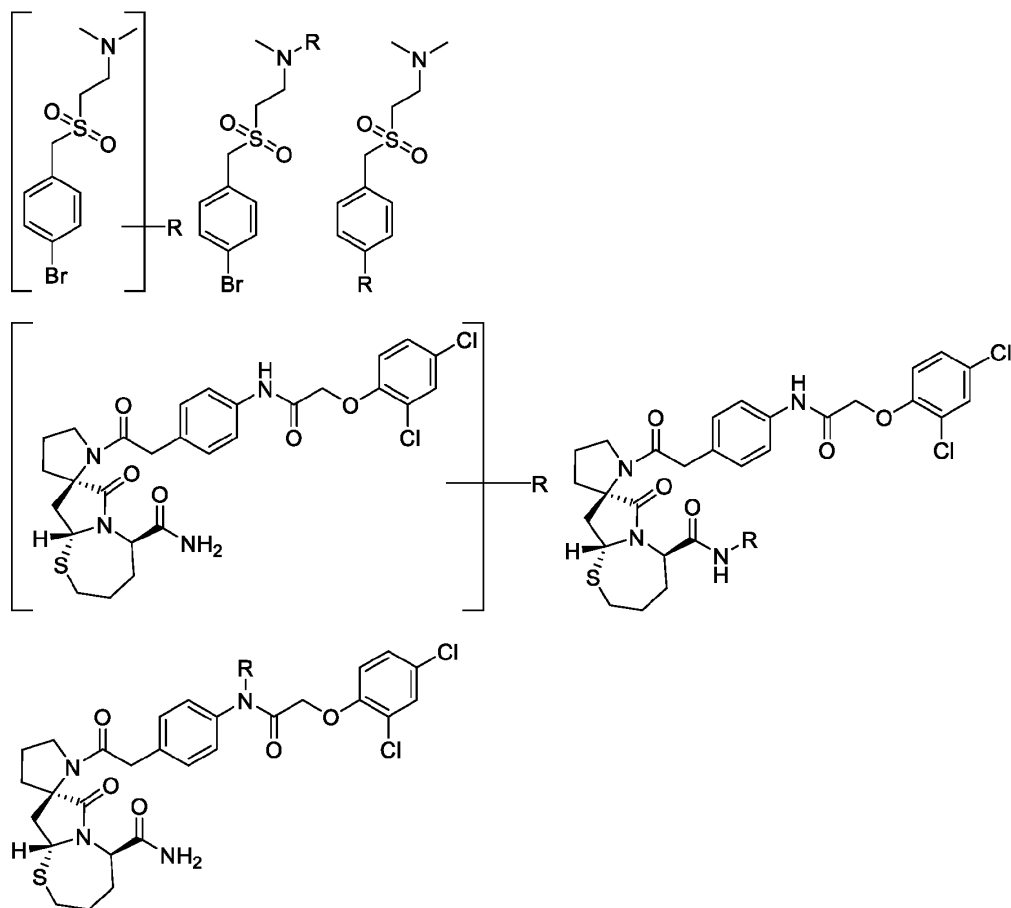




FIG. 59

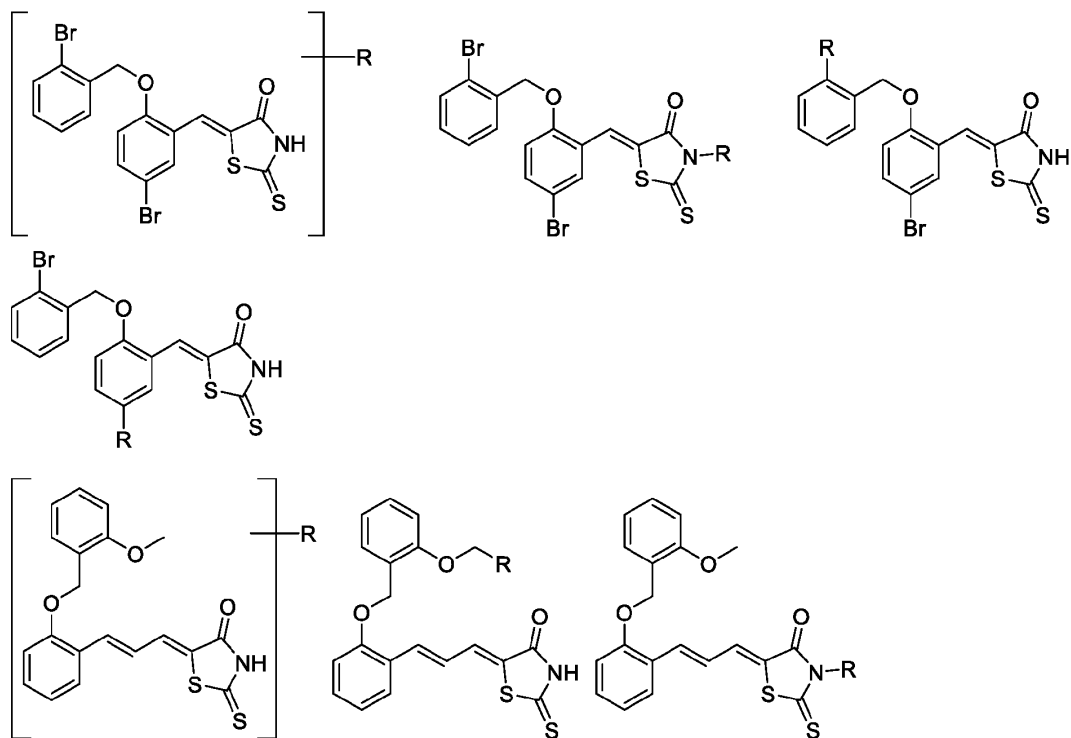


FIG. 60

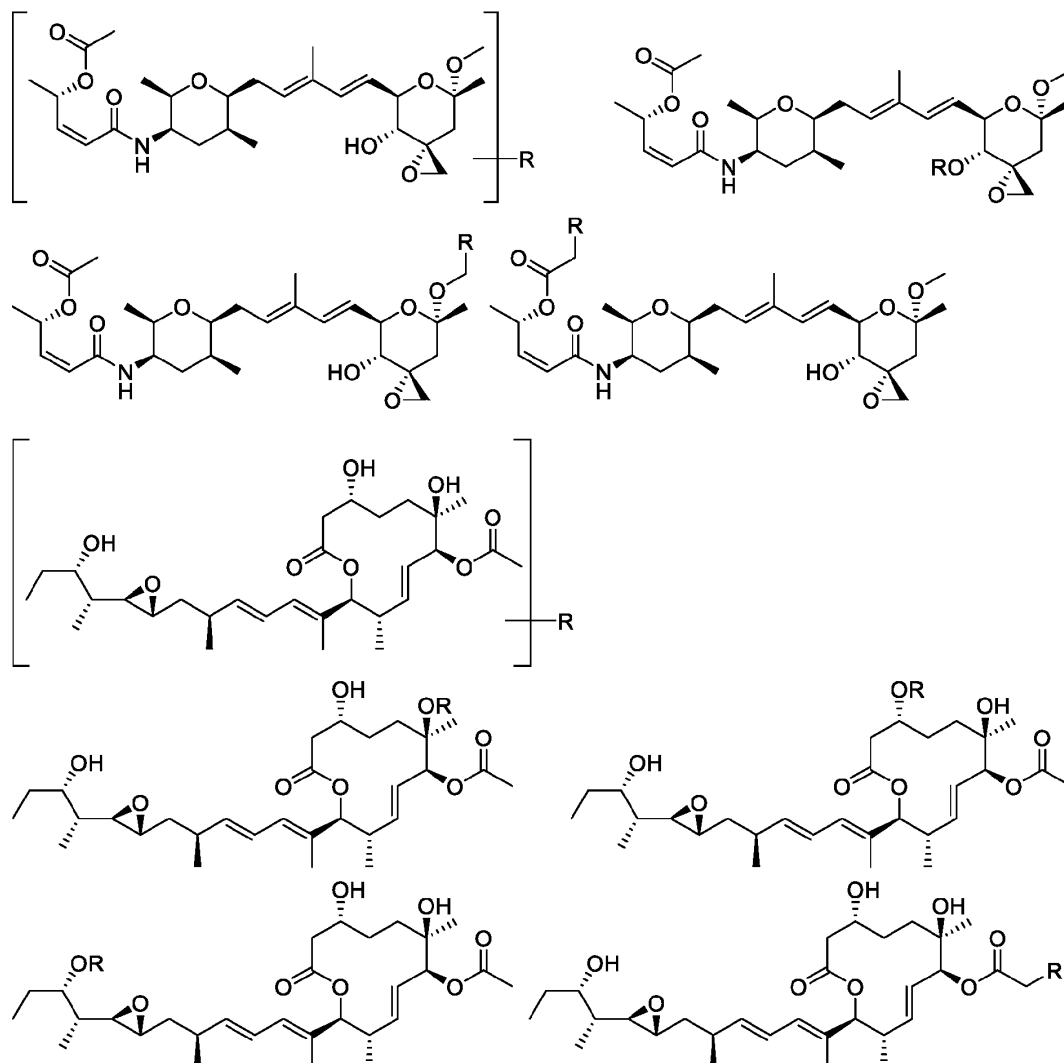


FIG. 61

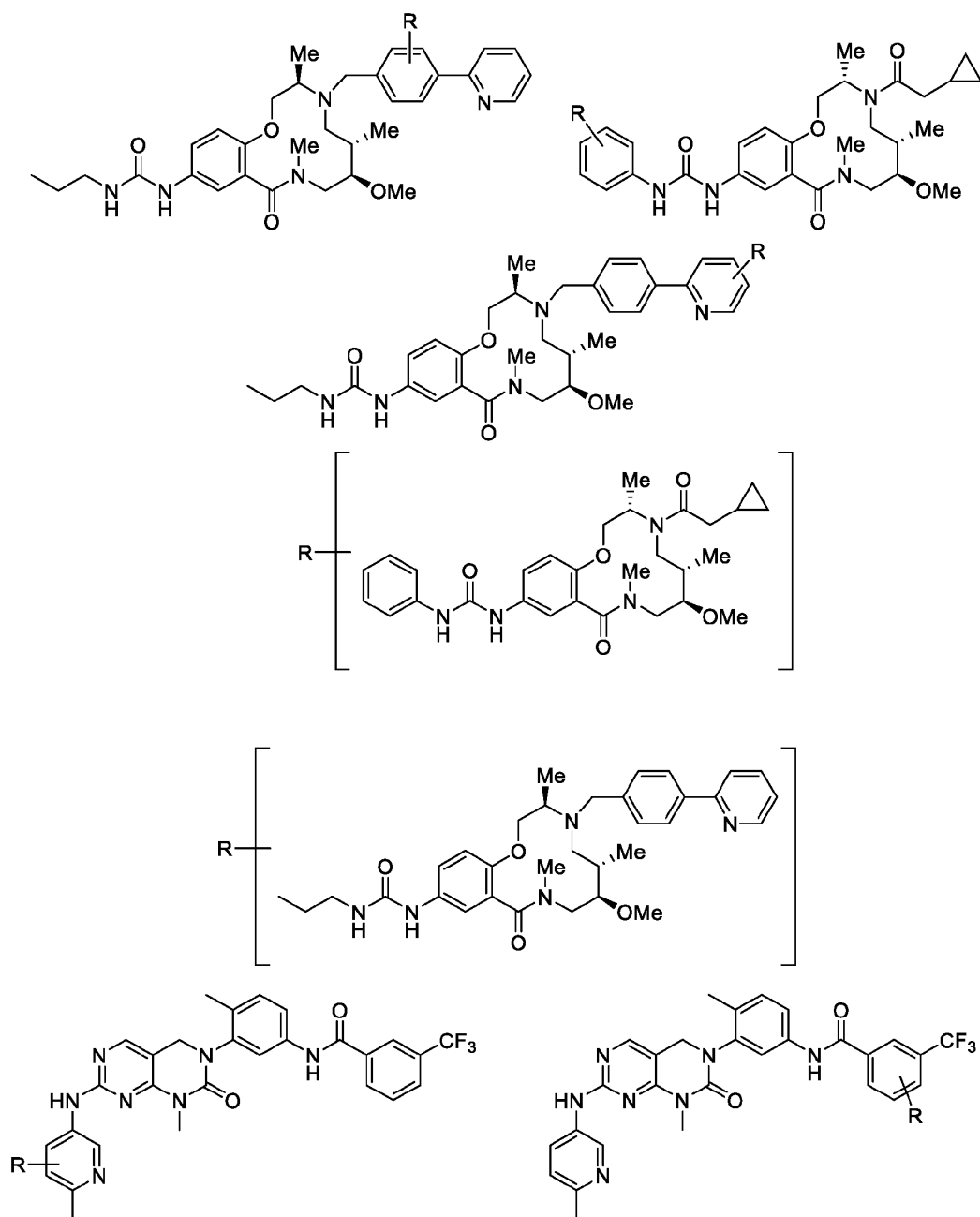


FIG. 62

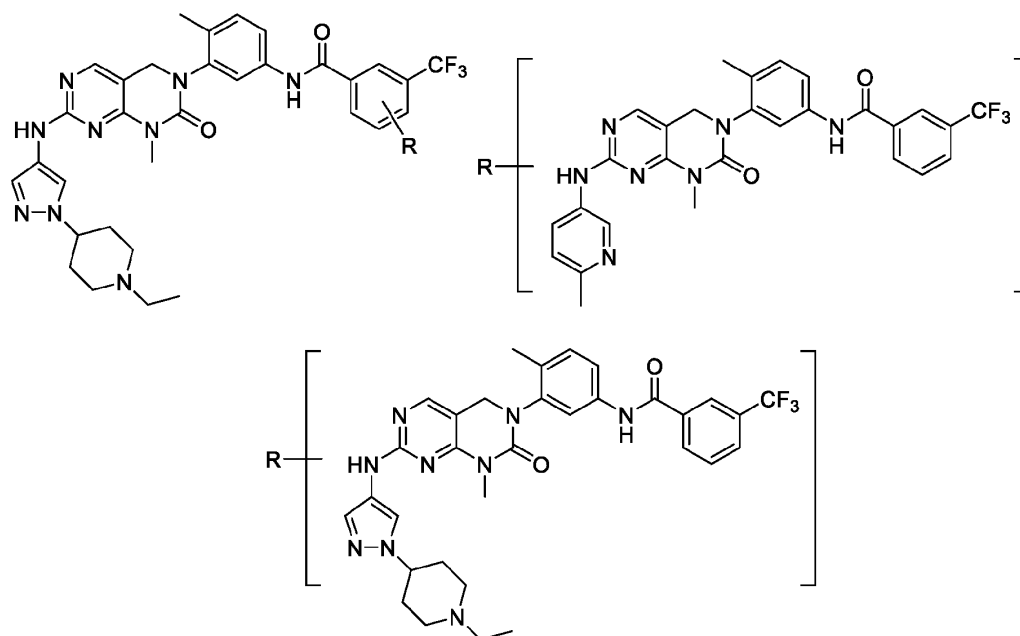


FIG. 63

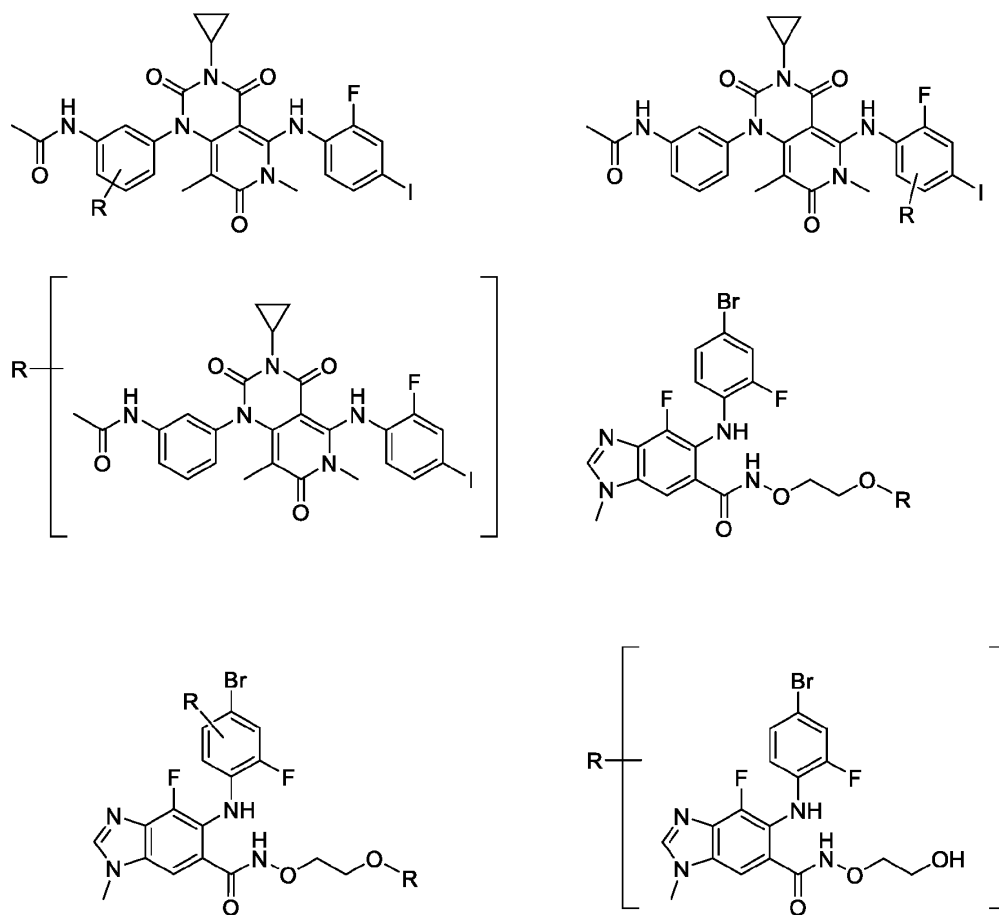


FIG. 64A

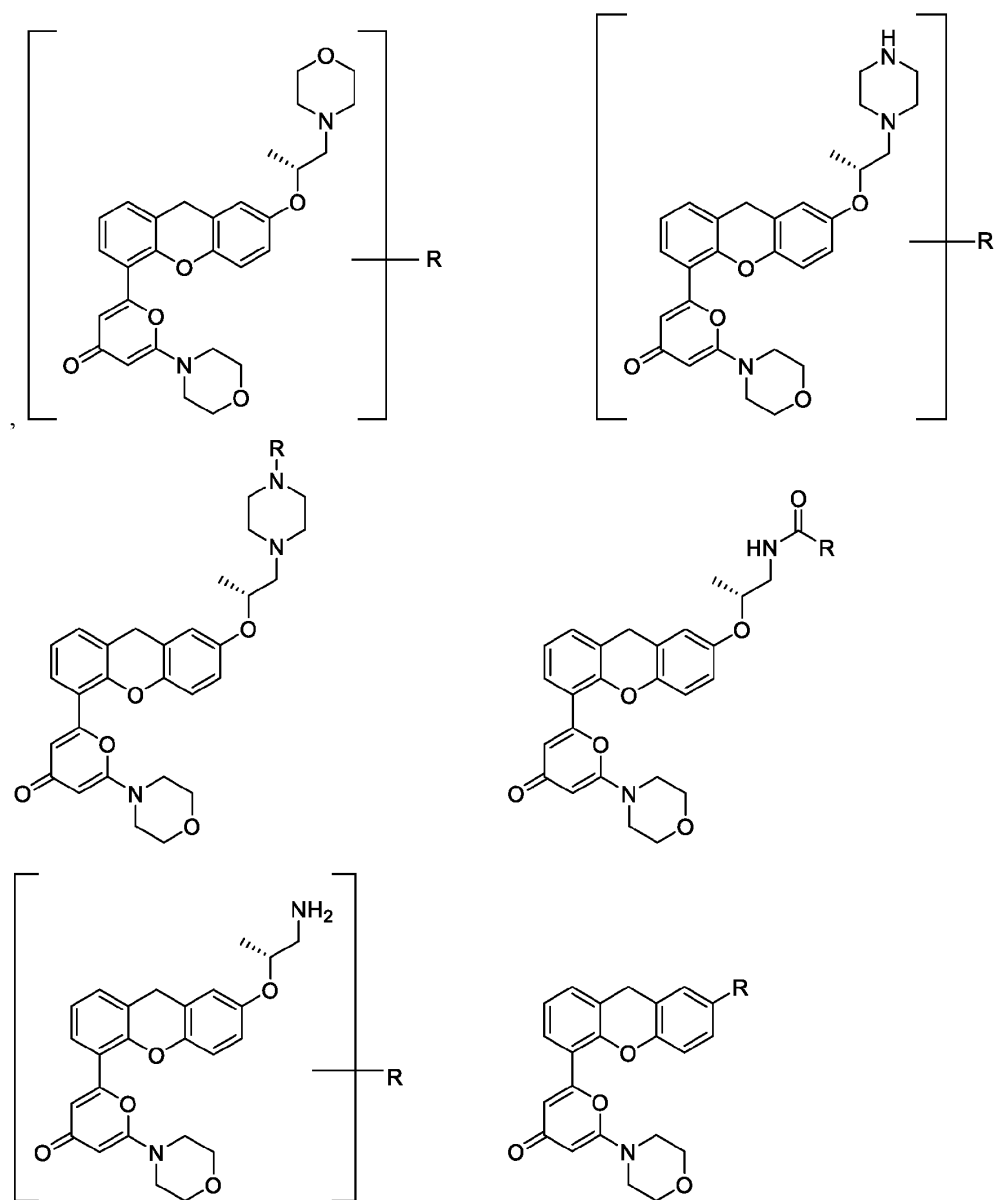


FIG. 64B

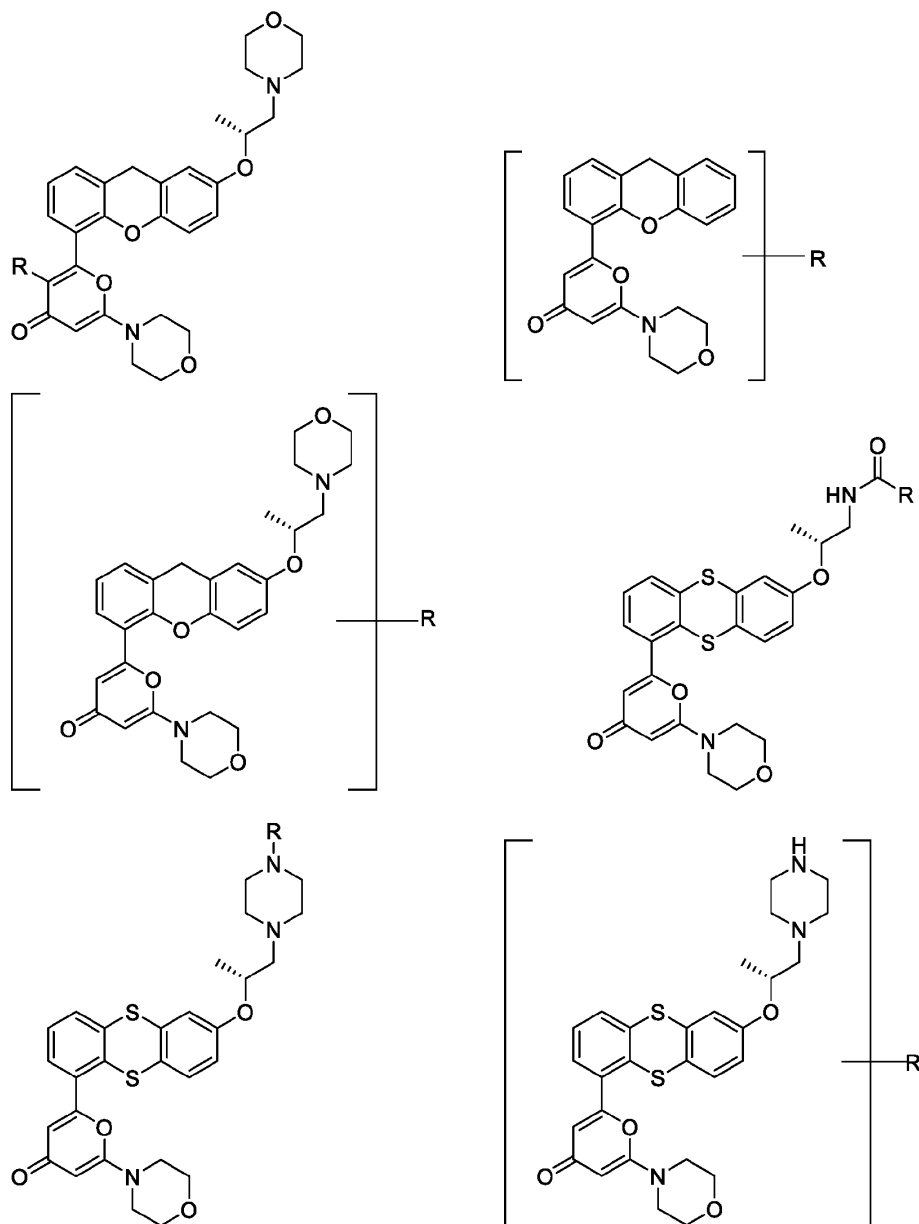


FIG. 64C

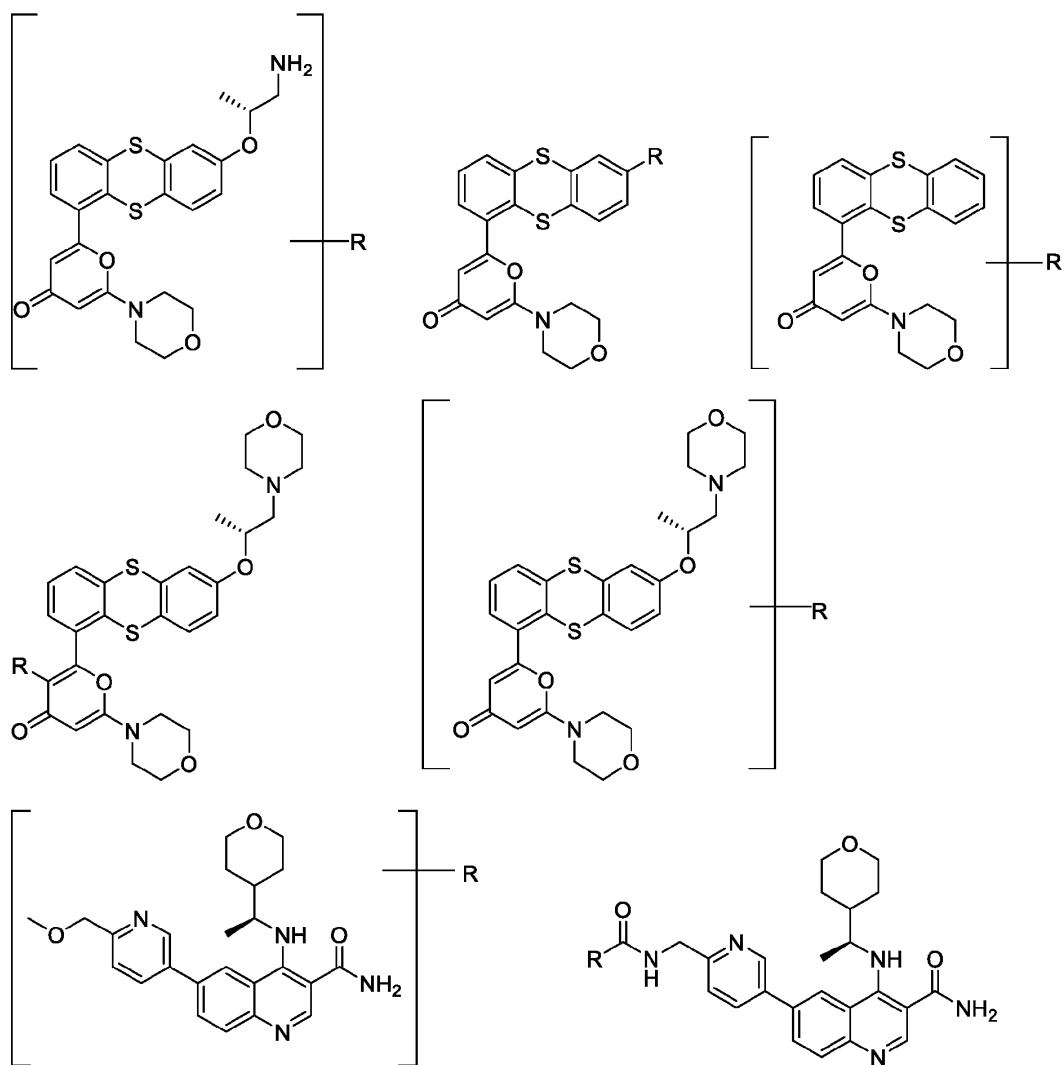




FIG. 64D

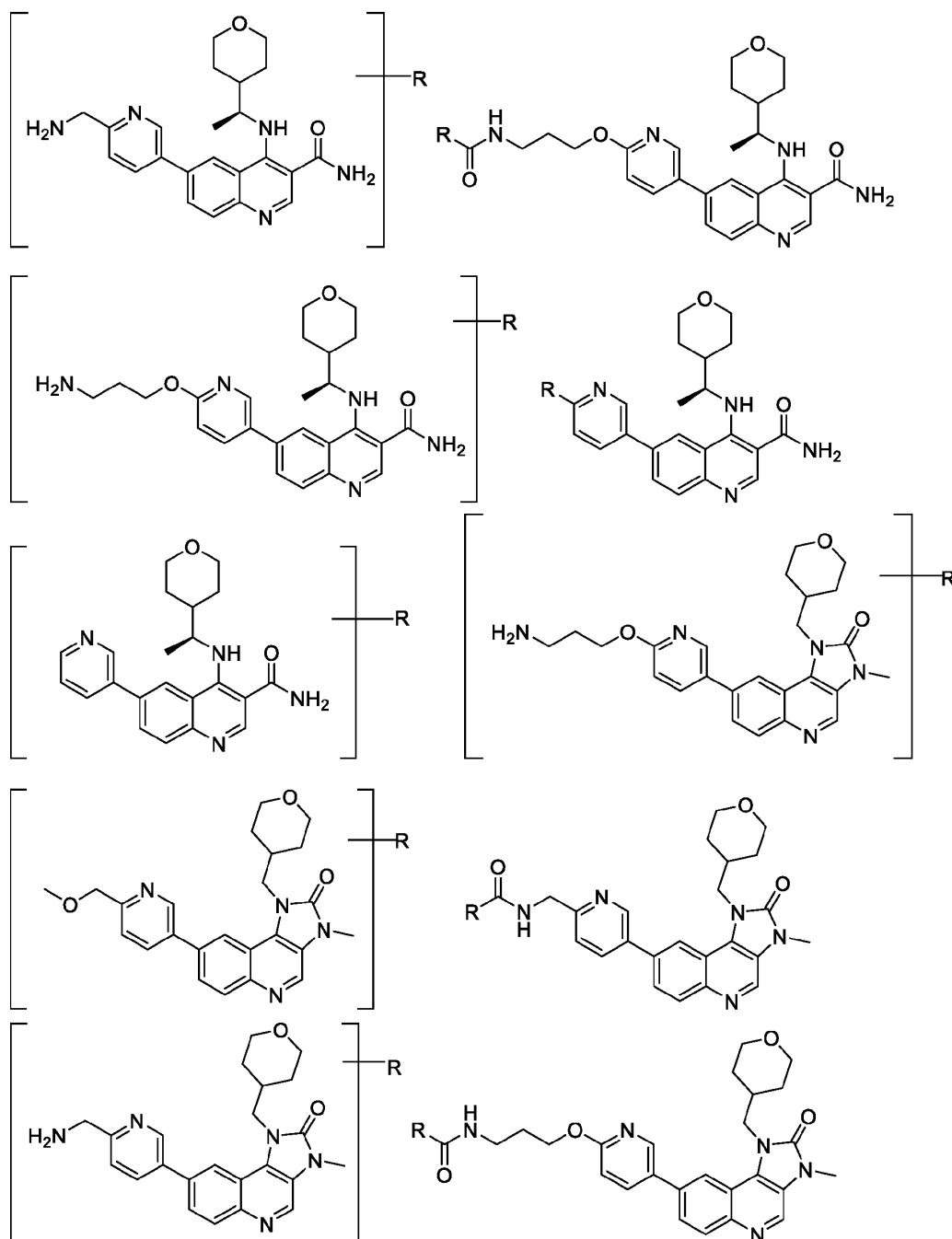


FIG 64E

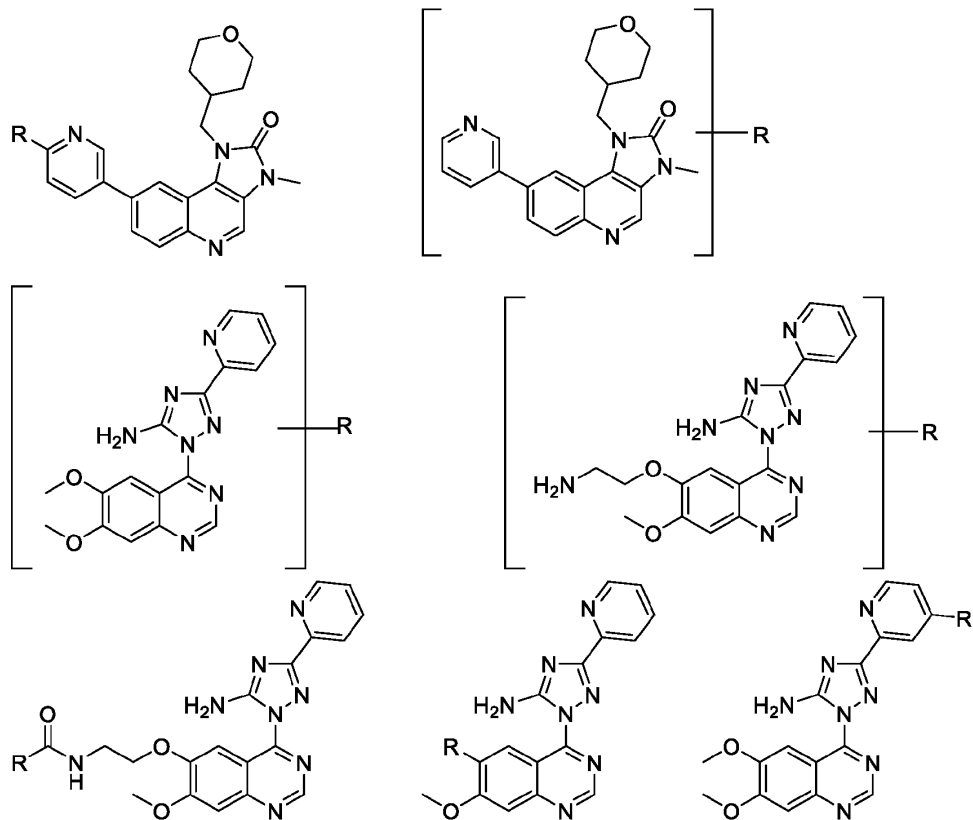


FIG 65A

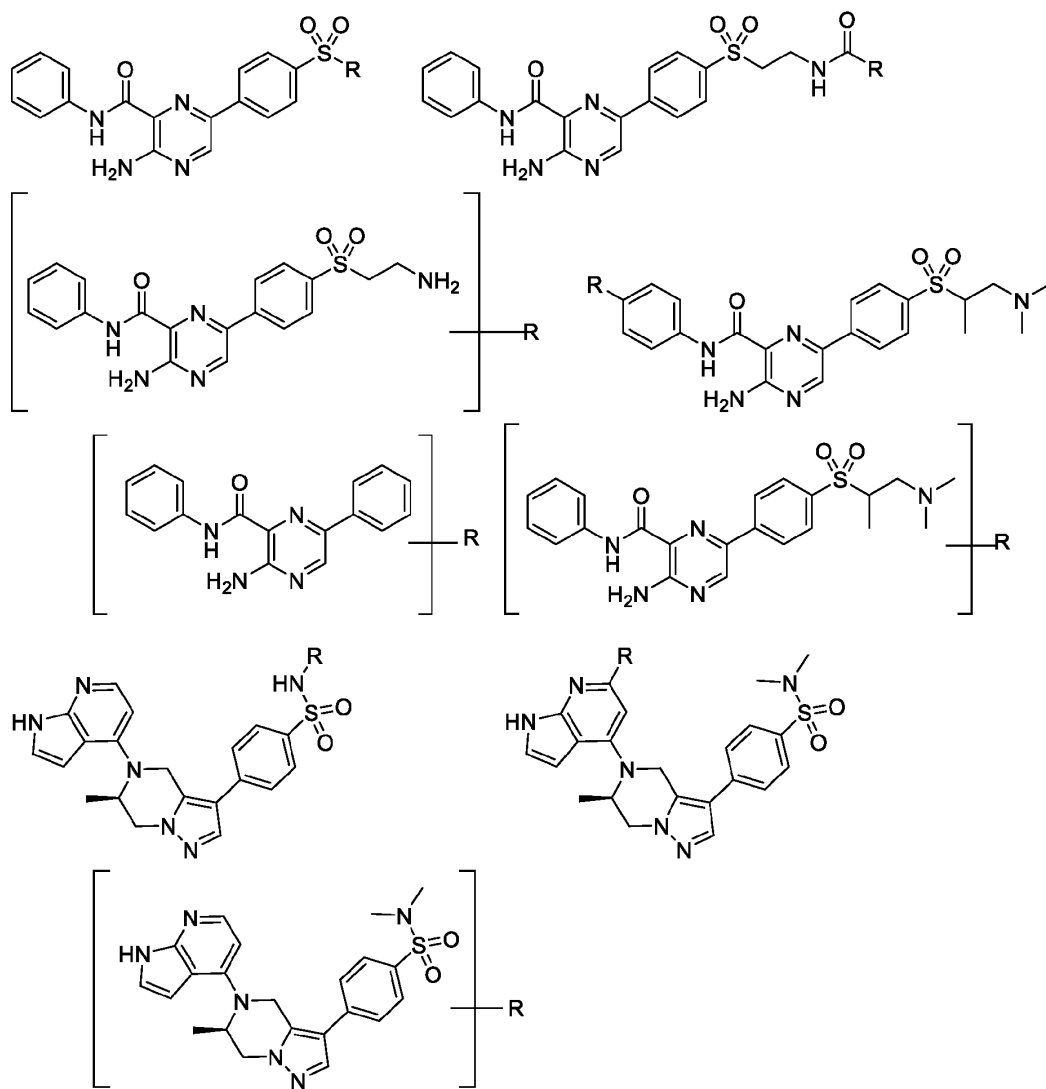


FIG 65B

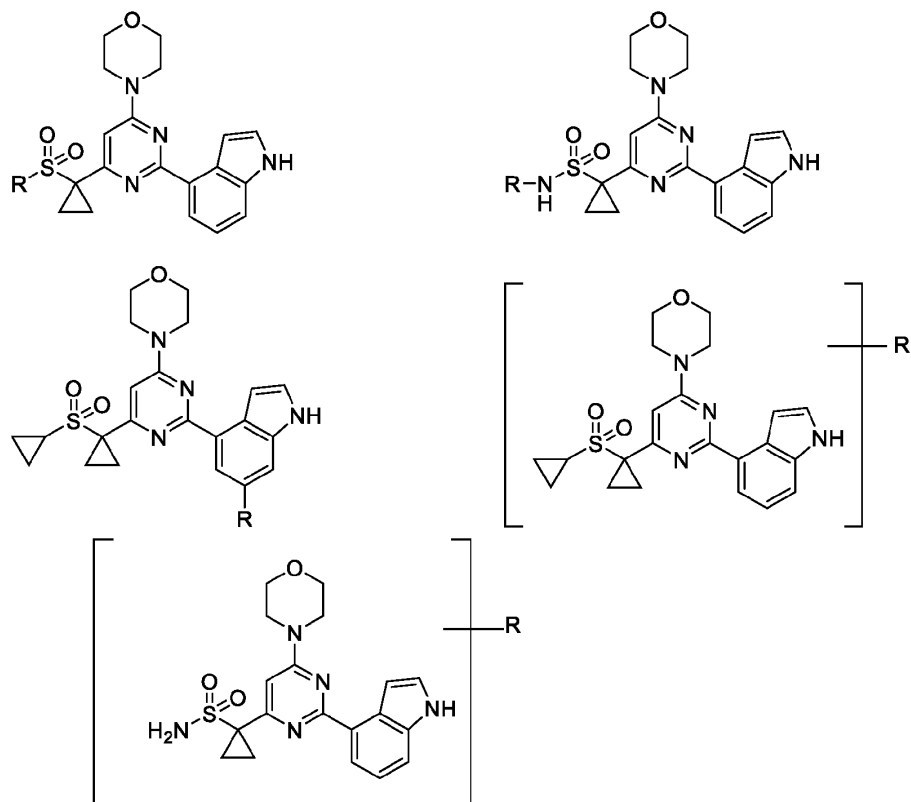


FIG. 66A

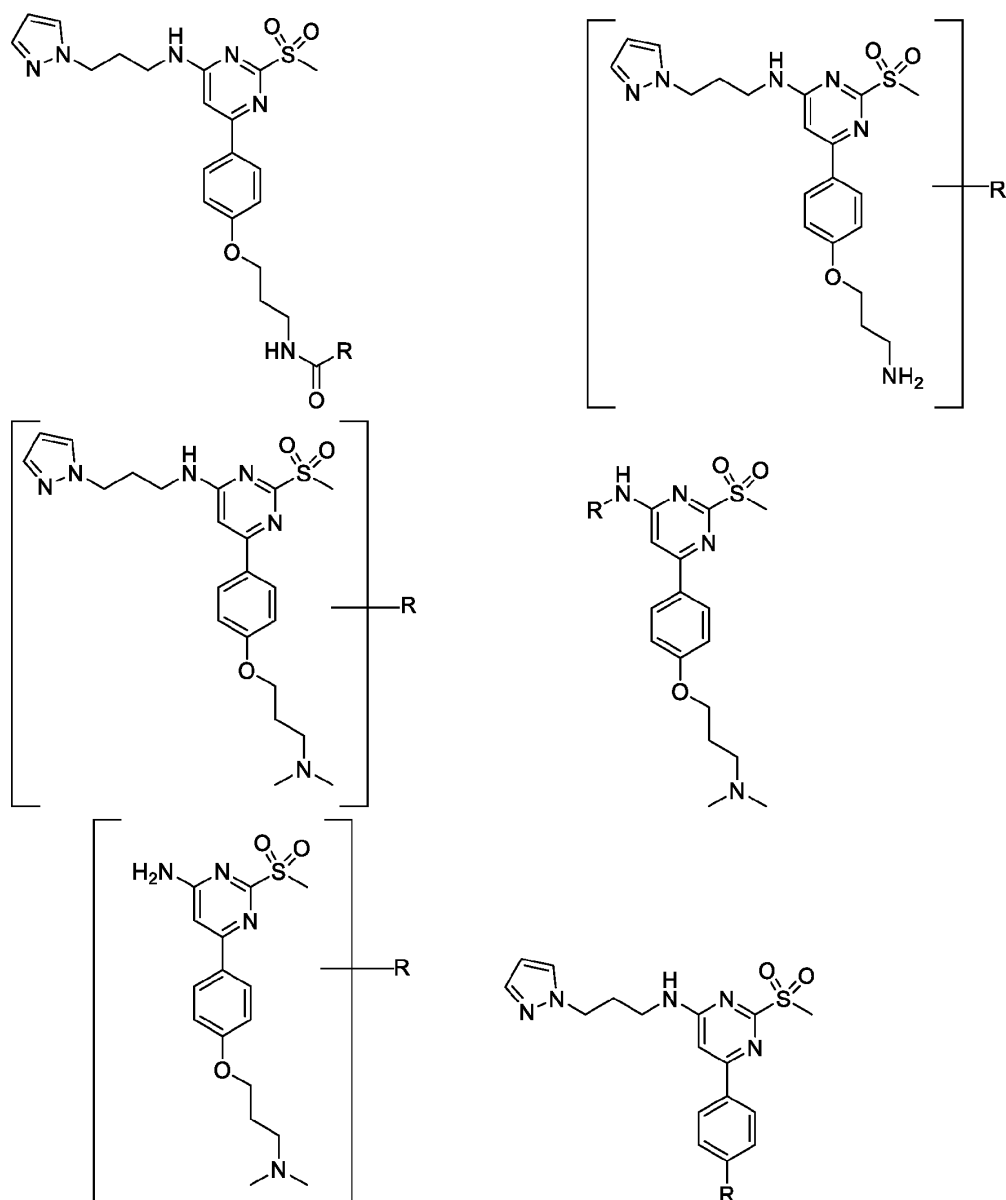


FIG. 66B

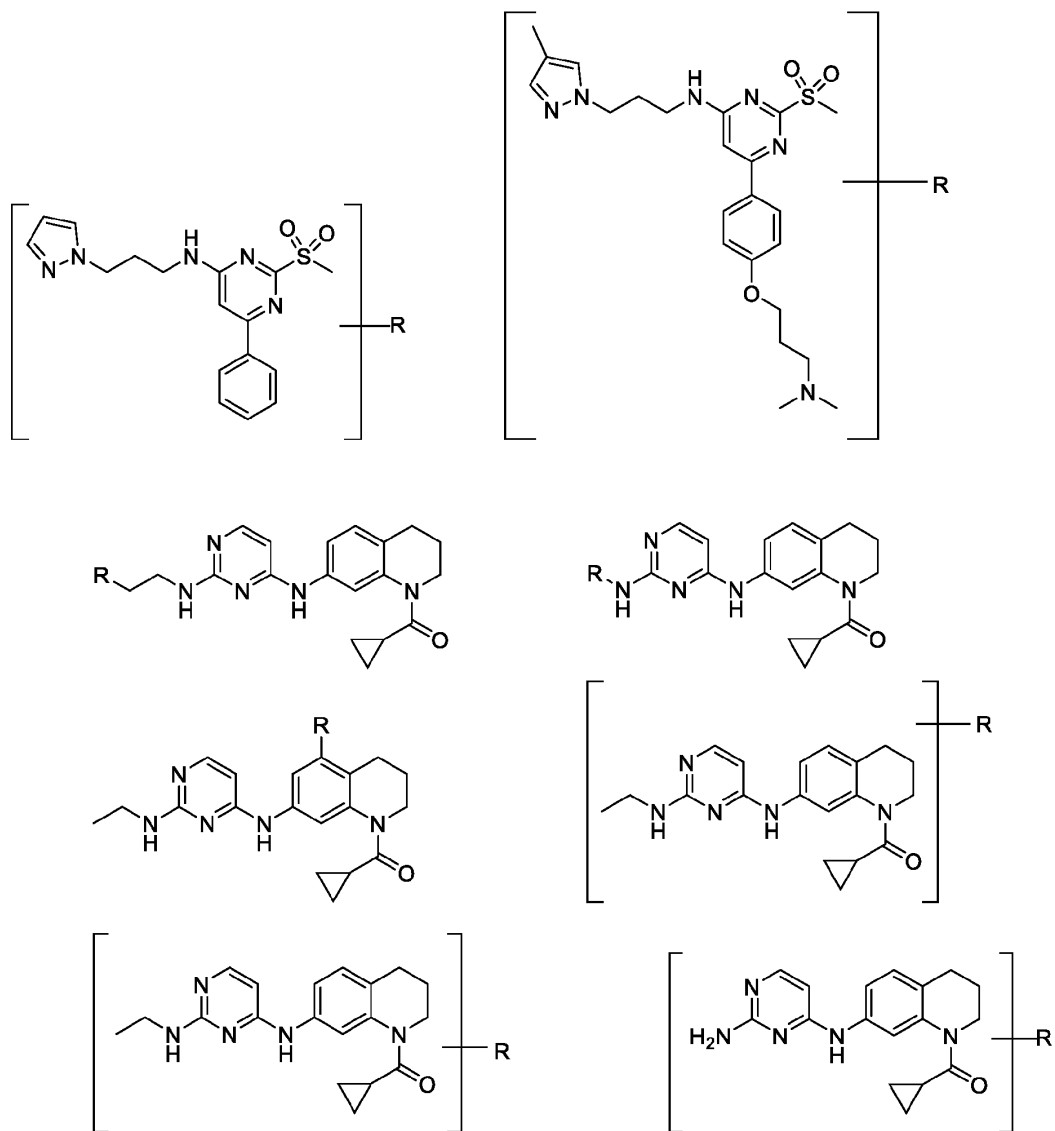


FIG. 66C

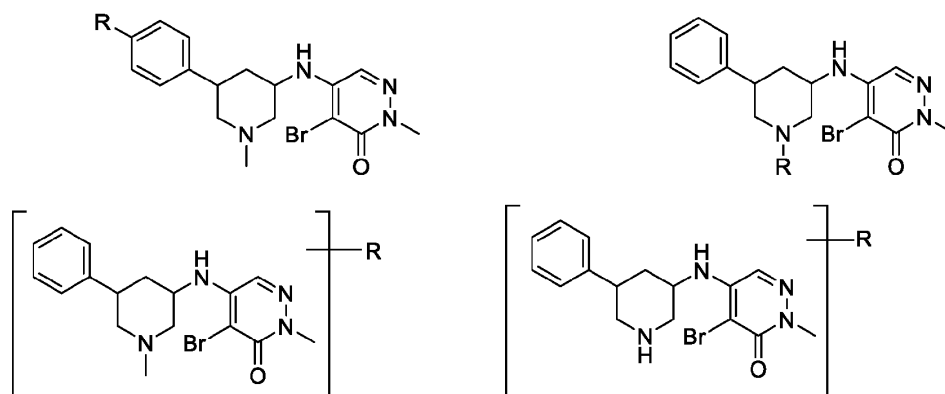


FIG 67A

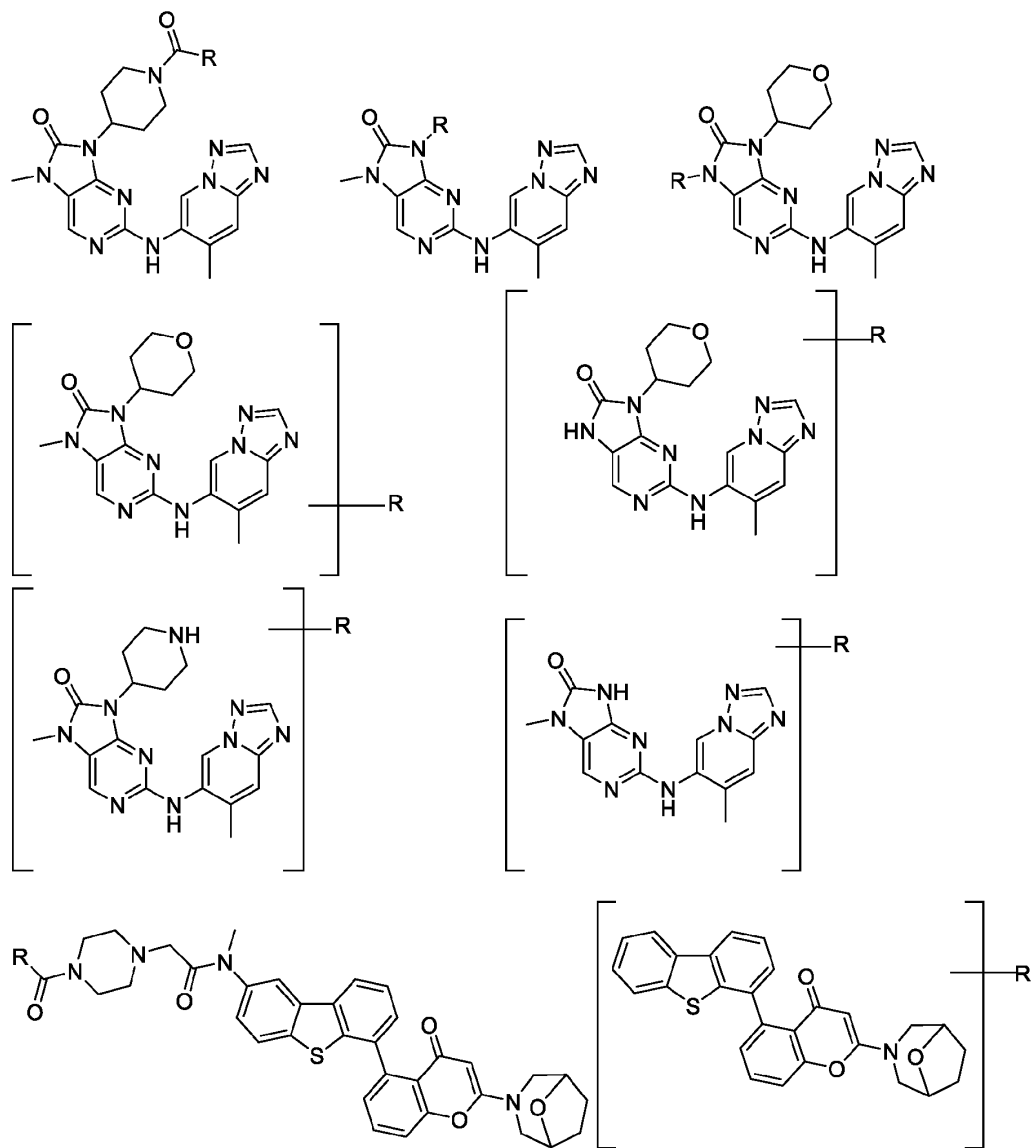




FIG. 67B

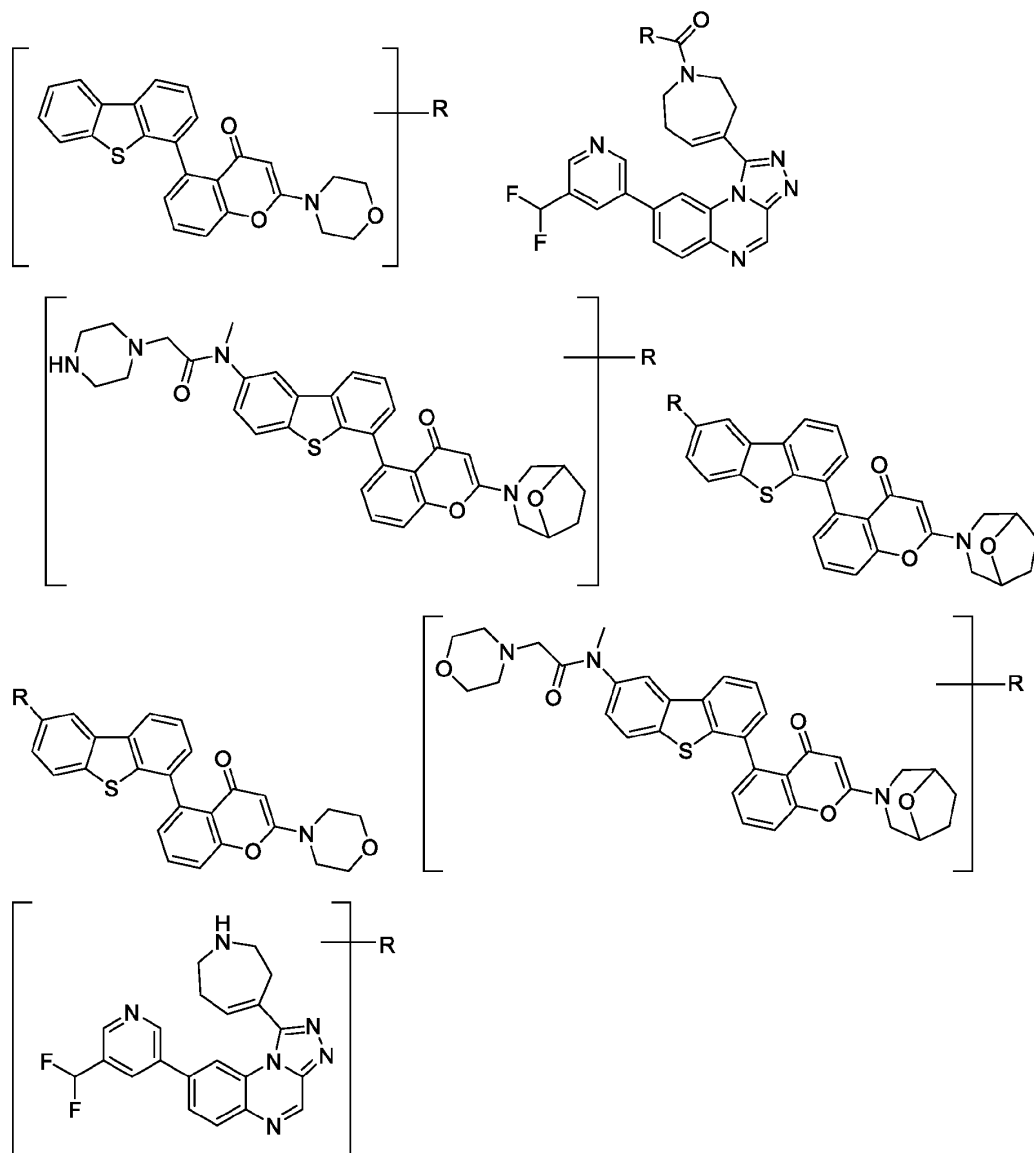


FIG. 68A

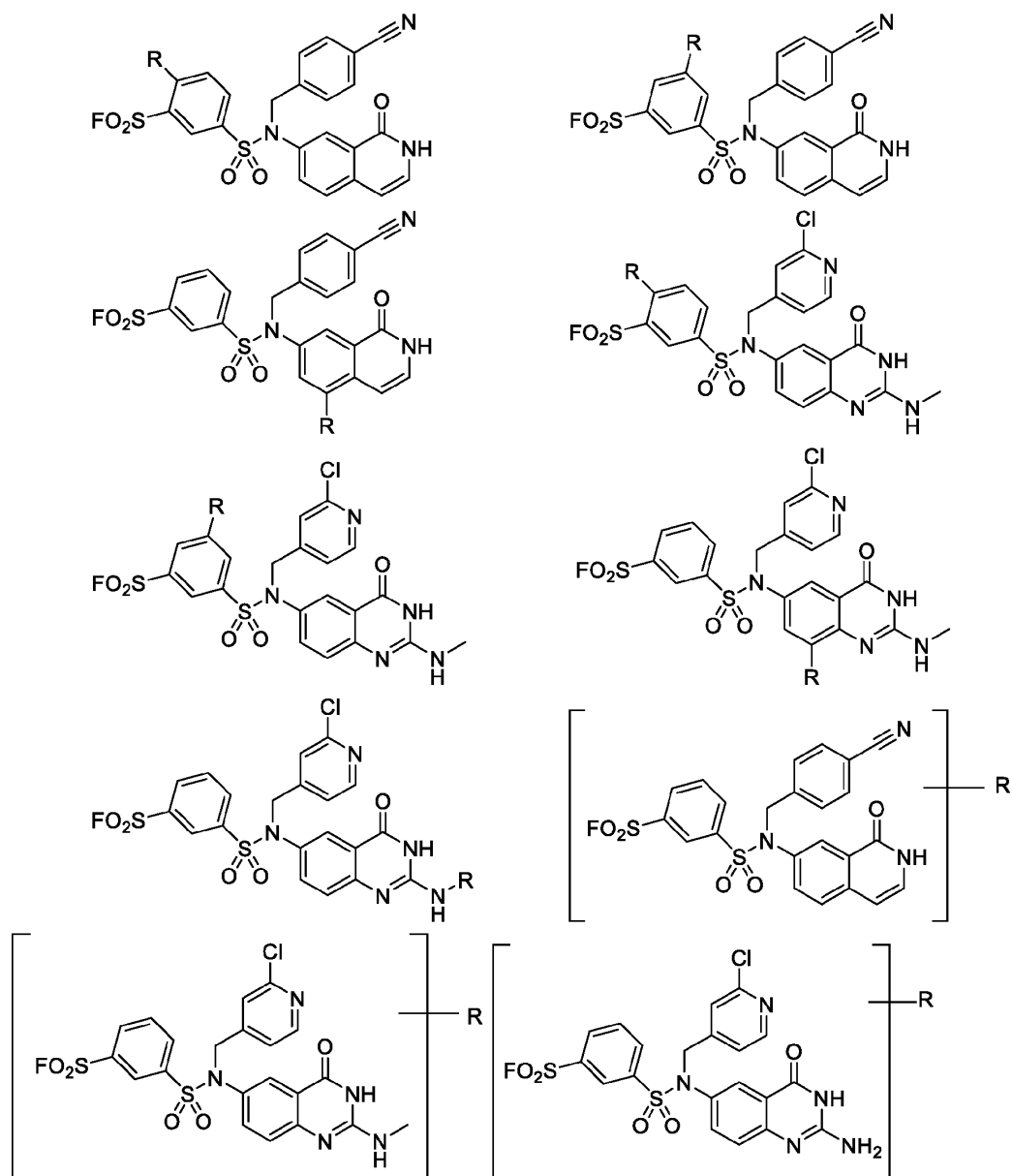
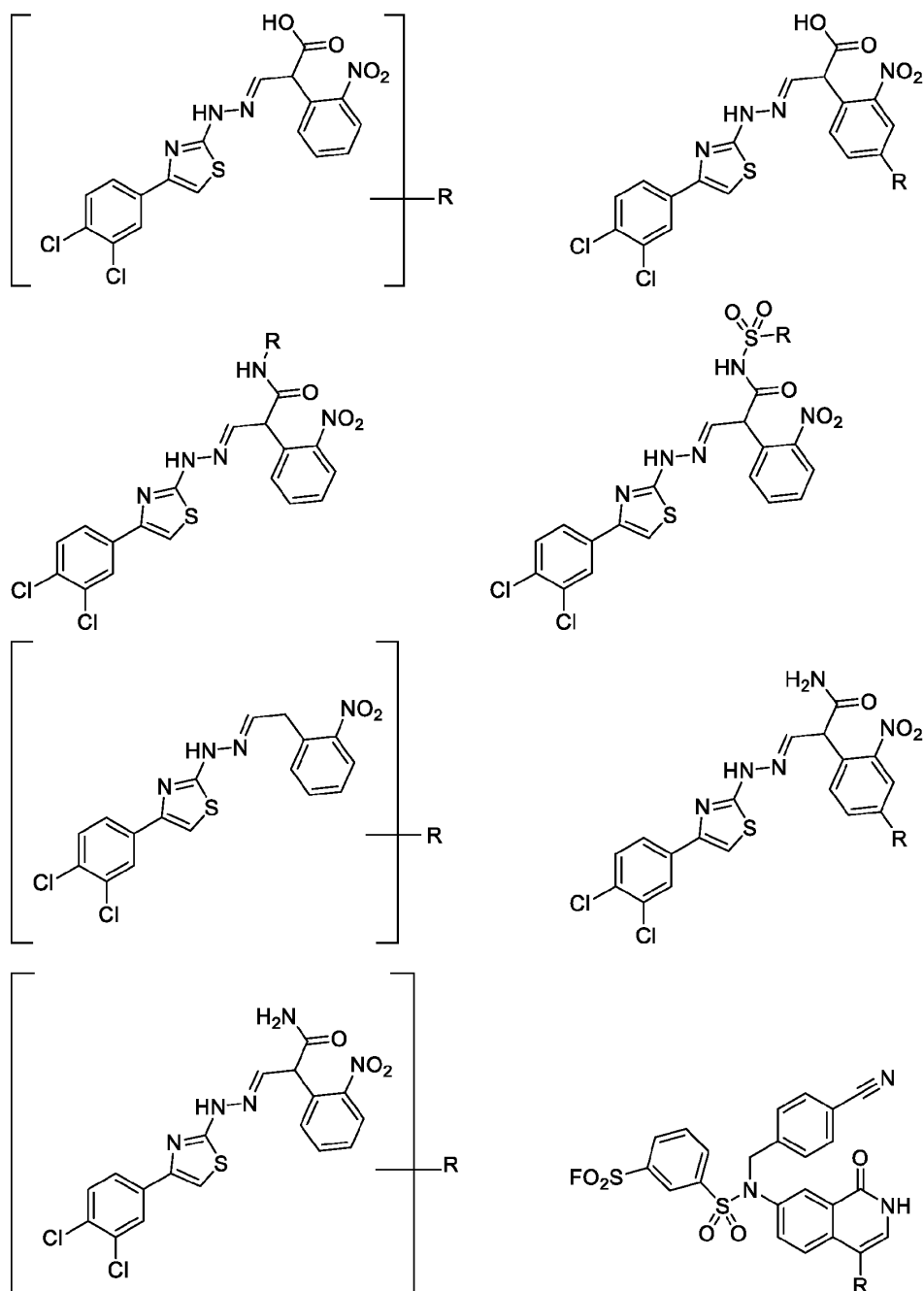


FIG. 68B



The image displays several chemical structures, including monomers and polymer repeating units, used in the synthesis of poly(amide-imine)s. The structures are as follows:

- Top Left:** A monomer consisting of a benzene ring attached to a pyrrole ring via a carbonyl group. The pyrrole ring has an  $\text{R}$  group on its nitrogen atom. The structure is shown as a repeating unit in brackets with a subscript  $\text{R}$ .
- Top Center:** A monomer consisting of a benzene ring attached to a pyrrole ring via a carbonyl group. The pyrrole ring has an  $\text{NH}$  group. The structure is shown as a repeating unit in brackets with a subscript  $\text{R}$ .
- Top Right:** A monomer consisting of a benzene ring attached to a pyrrole ring via a carbonyl group. The pyrrole ring has a sulfonate group ( $\text{O}=\text{S}(\text{O})_2\text{R}$ ) on its nitrogen atom. The structure is shown as a repeating unit in brackets with a subscript  $\text{R}$ .
- Middle Left:** A monomer consisting of a benzene ring attached to a pyrrole ring via a carbonyl group. The pyrrole ring has a bromine atom ( $\text{Br}$ ) on its nitrogen atom. The structure is shown as a repeating unit in brackets with a subscript  $\text{R}$ .
- Middle Center:** A monomer consisting of a benzene ring attached to a pyrrole ring via a carbonyl group. The pyrrole ring has a chlorine atom ( $\text{Cl}$ ) on its nitrogen atom. The structure is shown as a repeating unit in brackets with a subscript  $\text{R}$ .
- Middle Right:** A monomer consisting of a benzene ring attached to a pyrrole ring via a carbonyl group. The pyrrole ring has a chlorine atom ( $\text{Cl}$ ) on its nitrogen atom. The structure is shown as a repeating unit in brackets with a subscript  $\text{R}$ .
- Bottom Left:** A monomer consisting of a benzene ring attached to a pyrrole ring via a carbonyl group. The pyrrole ring has a trifluoromethyl group ( $\text{CF}_3$ ) on its nitrogen atom. The structure is shown as a repeating unit in brackets with a subscript  $\text{R}$ .
- Bottom Center:** A monomer consisting of a benzene ring attached to a pyrrole ring via a carbonyl group. The pyrrole ring has a trifluoromethyl group ( $\text{CF}_3$ ) on its nitrogen atom. The structure is shown as a repeating unit in brackets with a subscript  $\text{R}$ .
- Bottom Right:** A monomer consisting of a benzene ring attached to a pyrrole ring via a carbonyl group. The pyrrole ring has a trifluoromethyl group ( $\text{CF}_3$ ) on its nitrogen atom. The structure is shown as a repeating unit in brackets with a subscript  $\text{R}$ .

FIG. 70

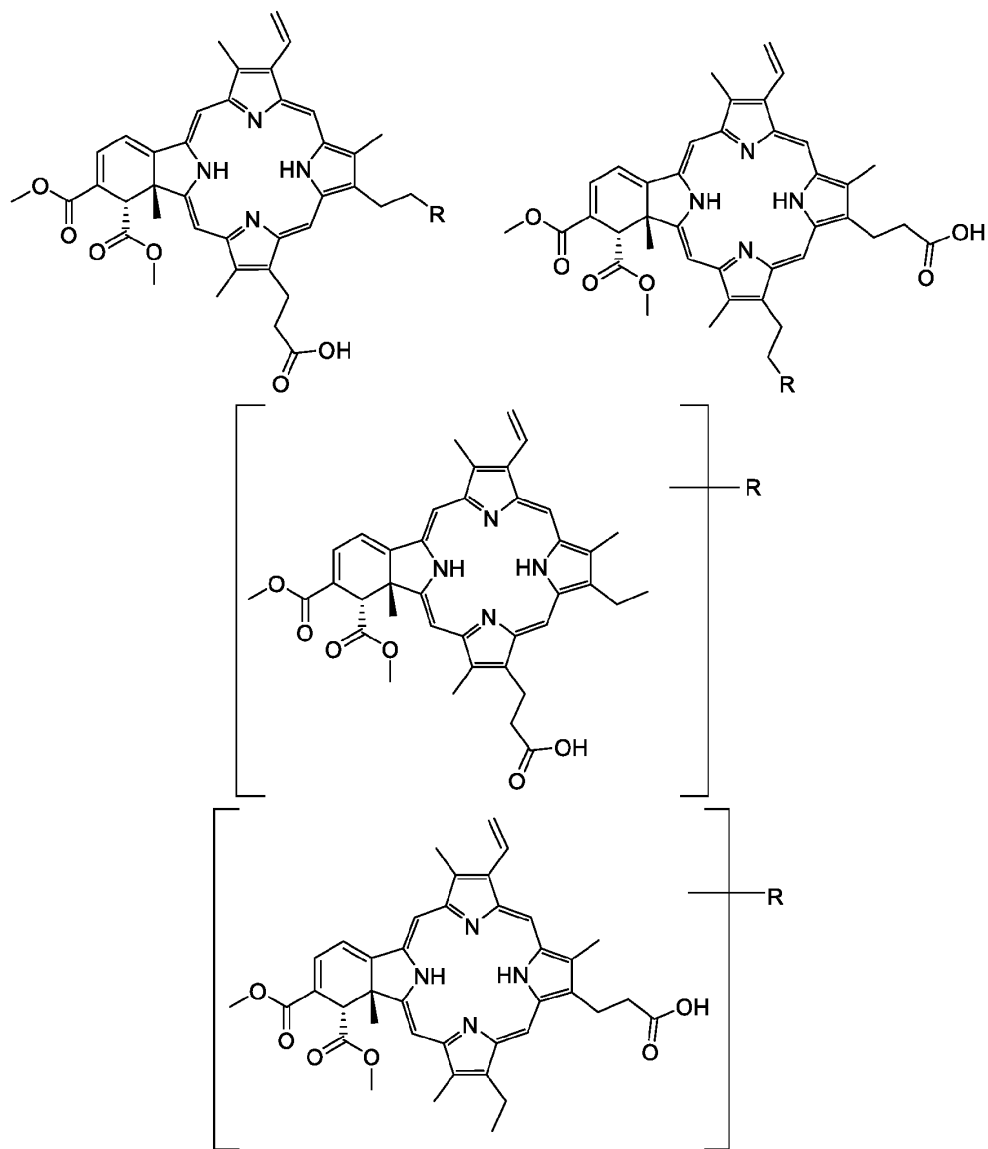
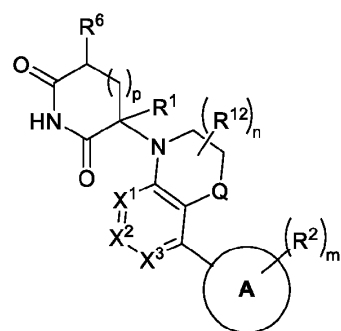
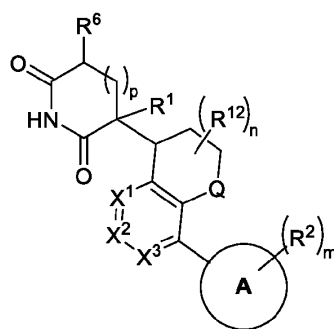


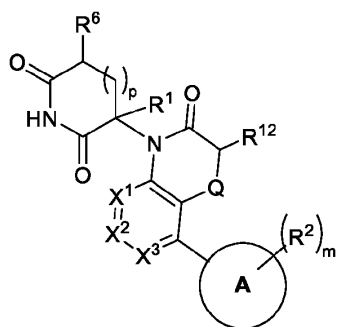
FIG. 71



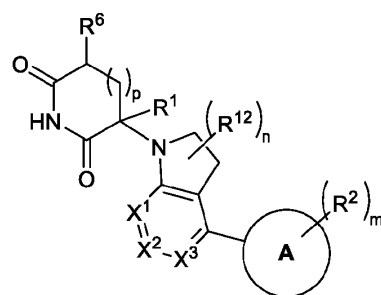
(IA)



(IIA)



(IIIA)



(IVa)

FIG. 72

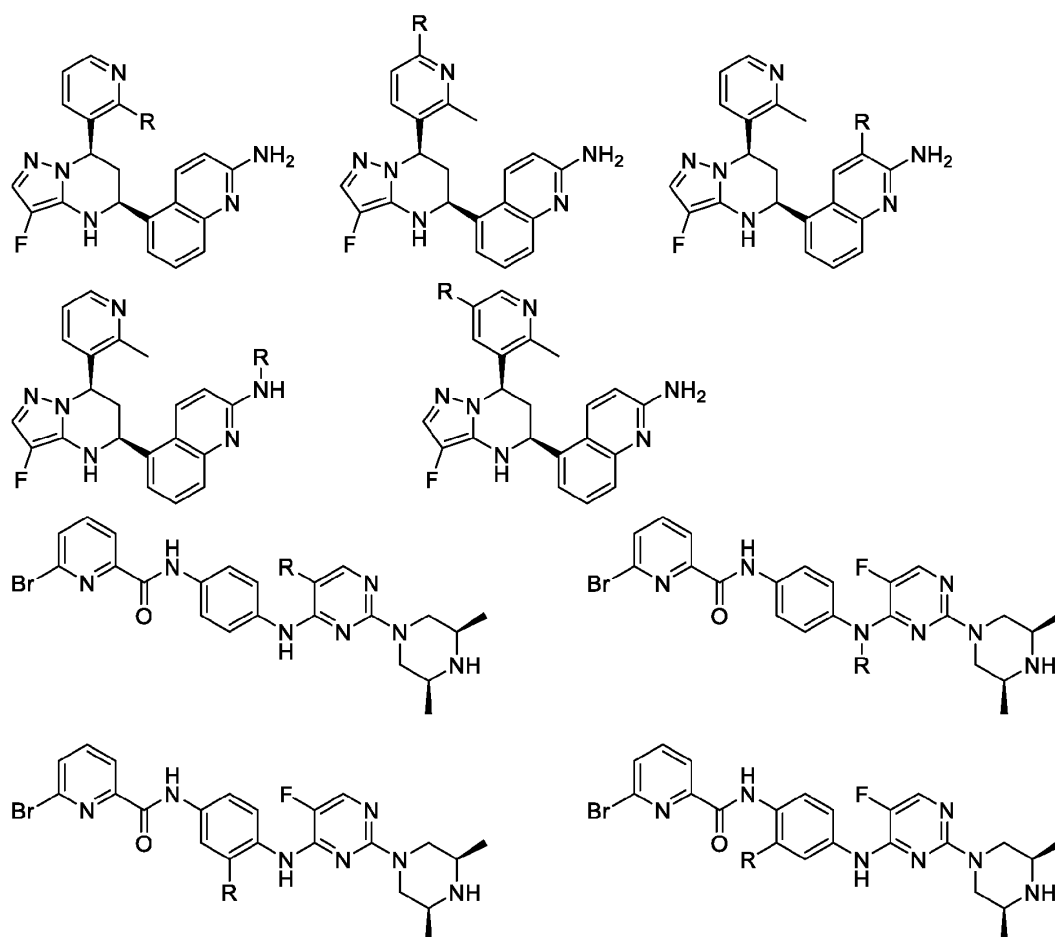


FIG. 73A

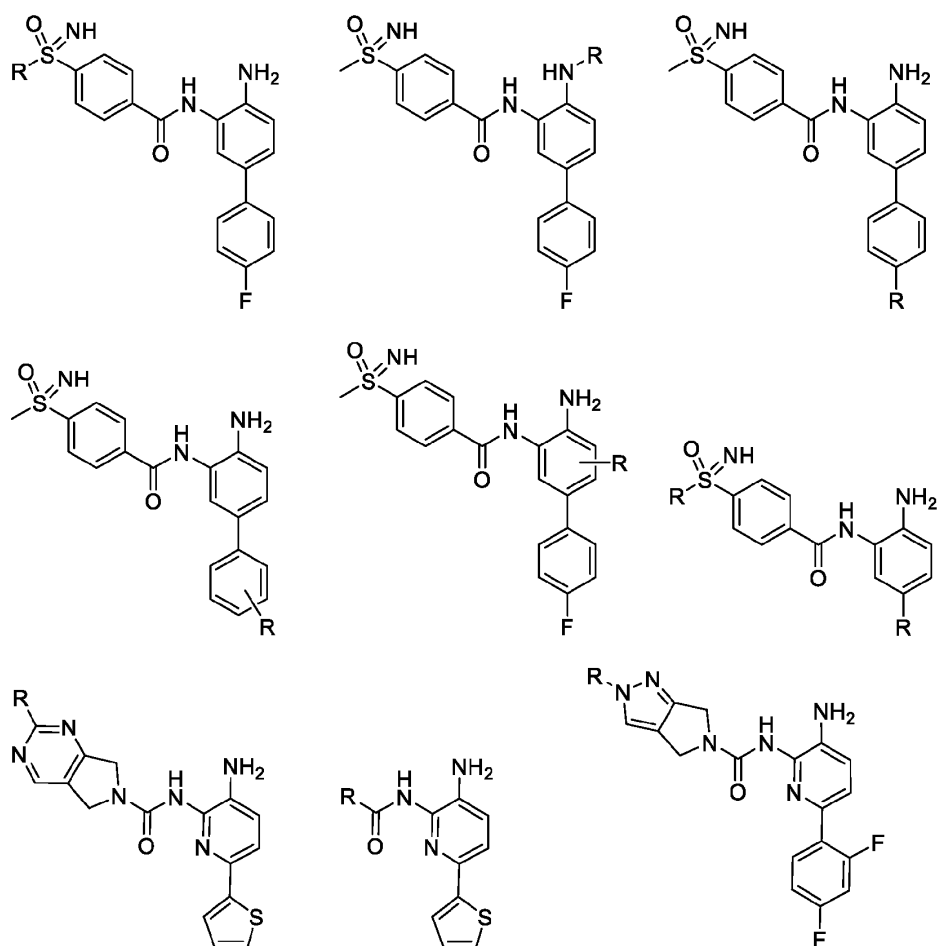




FIG. 73B

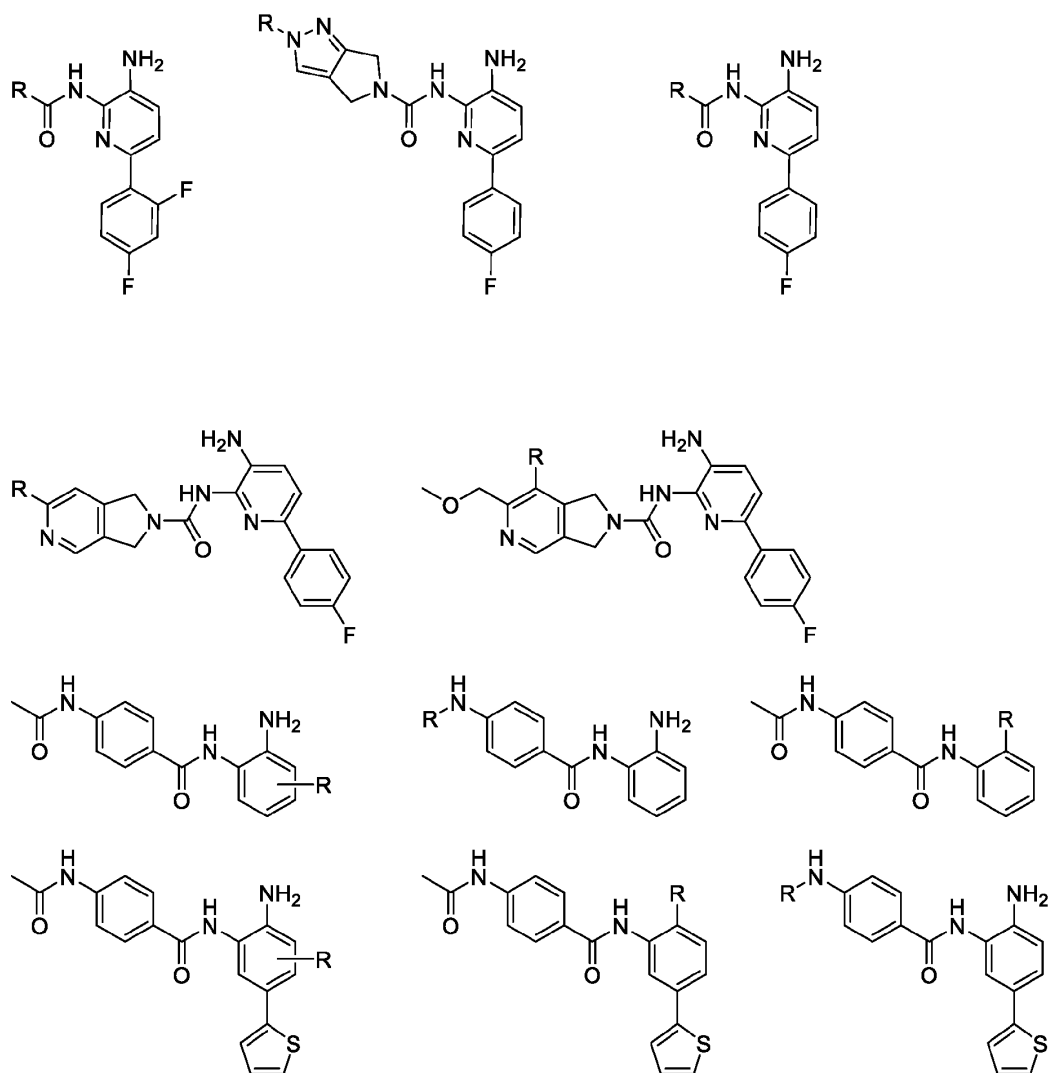


FIG. 74A

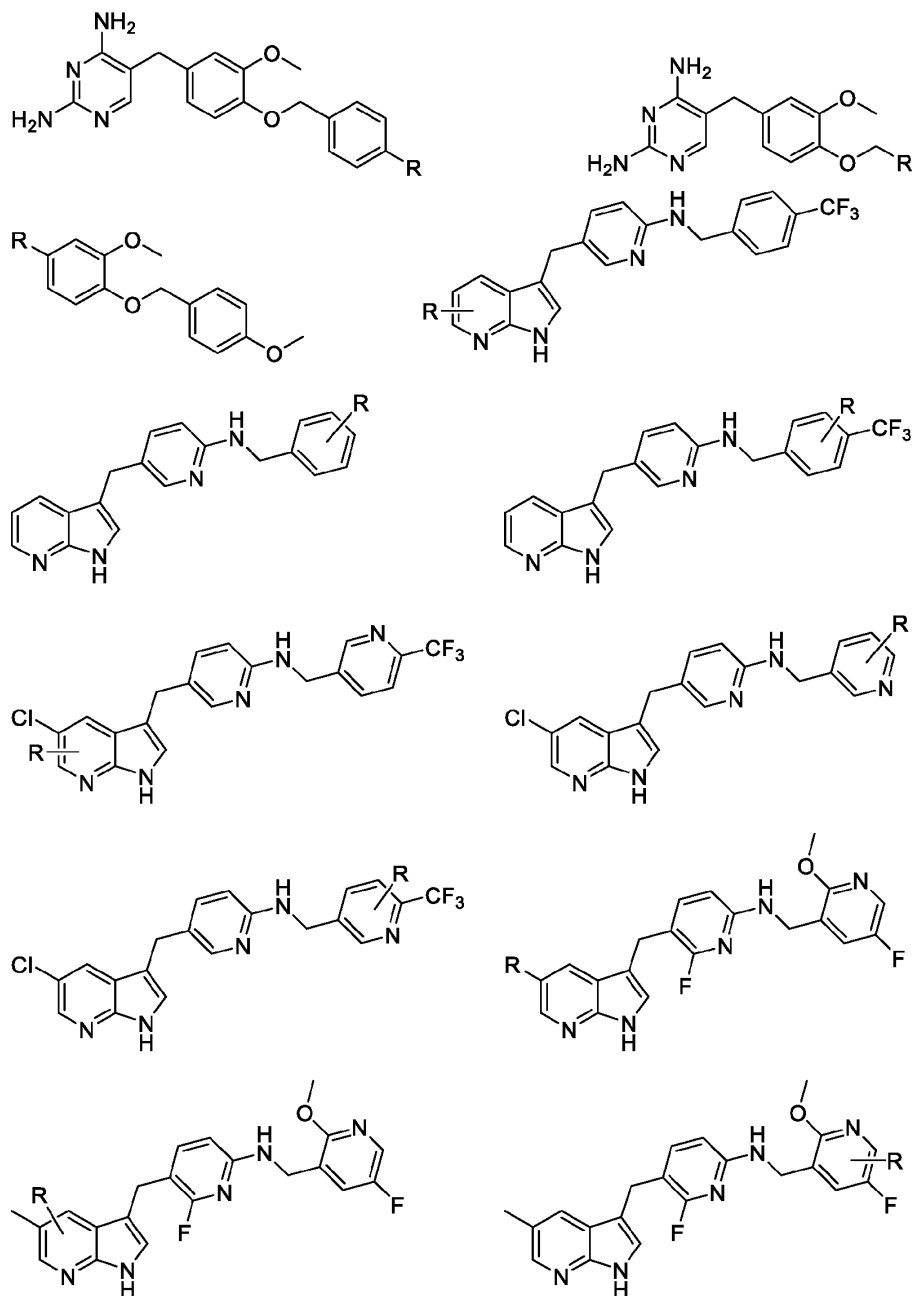


FIG. 74B

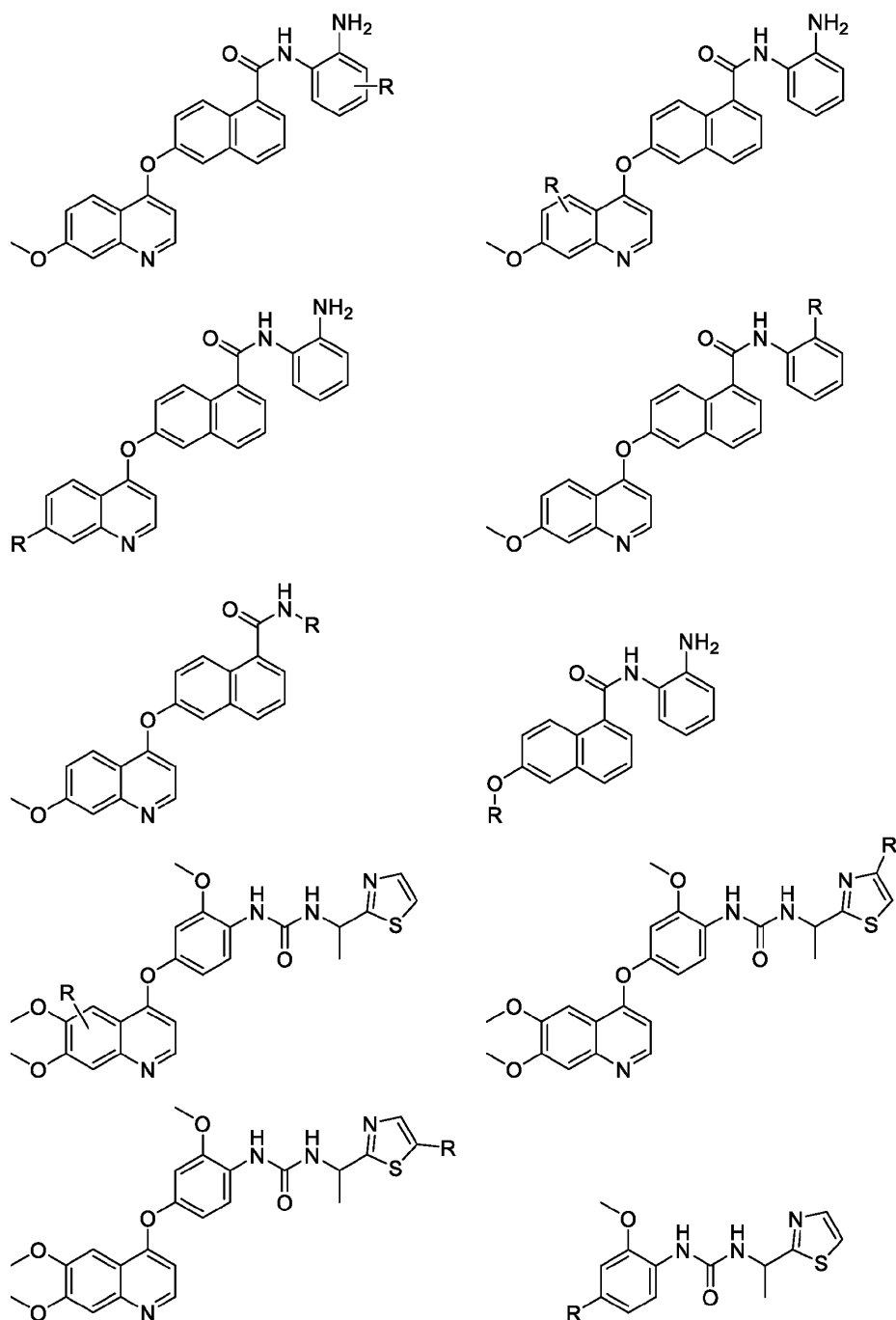


FIG. 74C

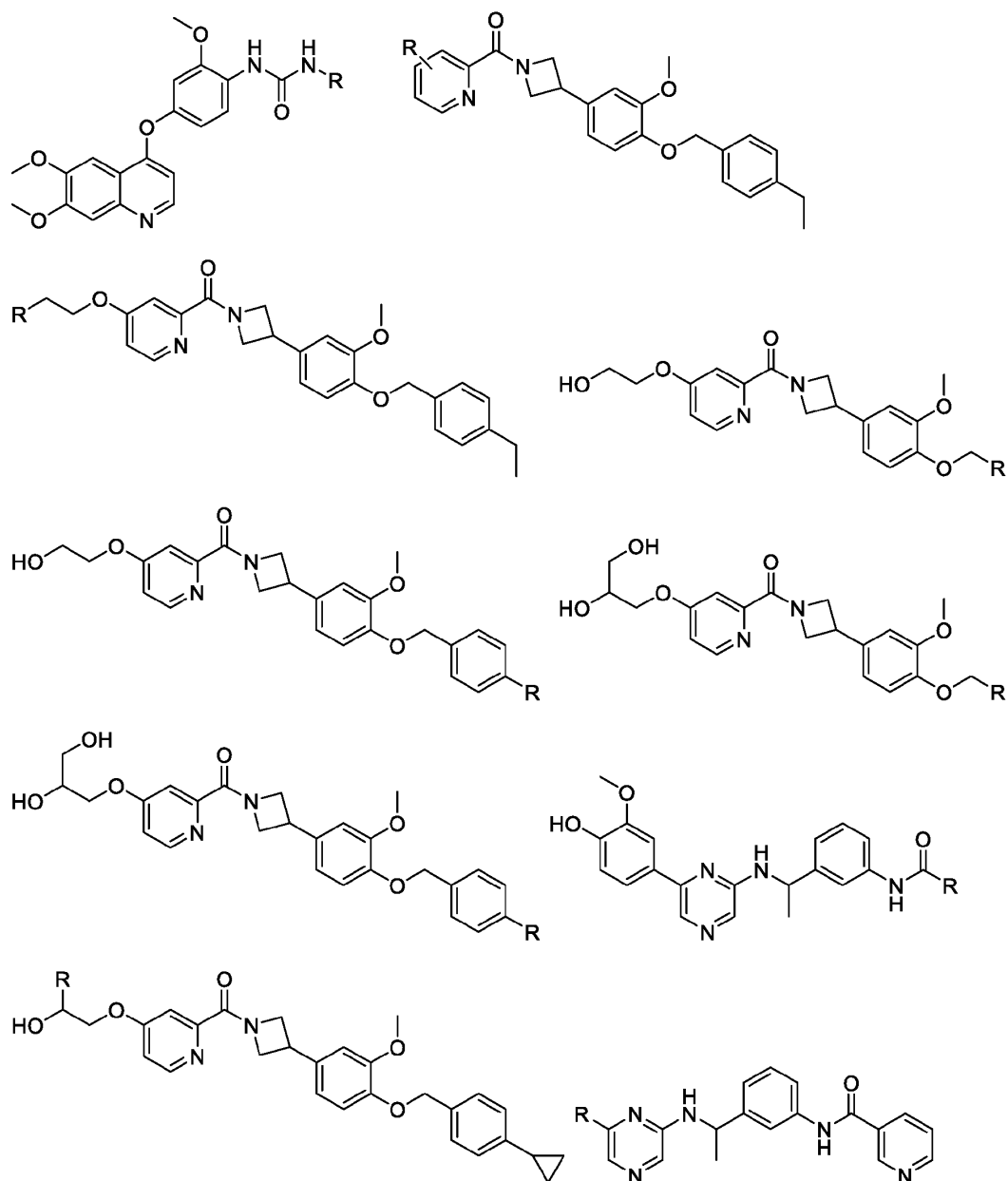


FIG. 74D

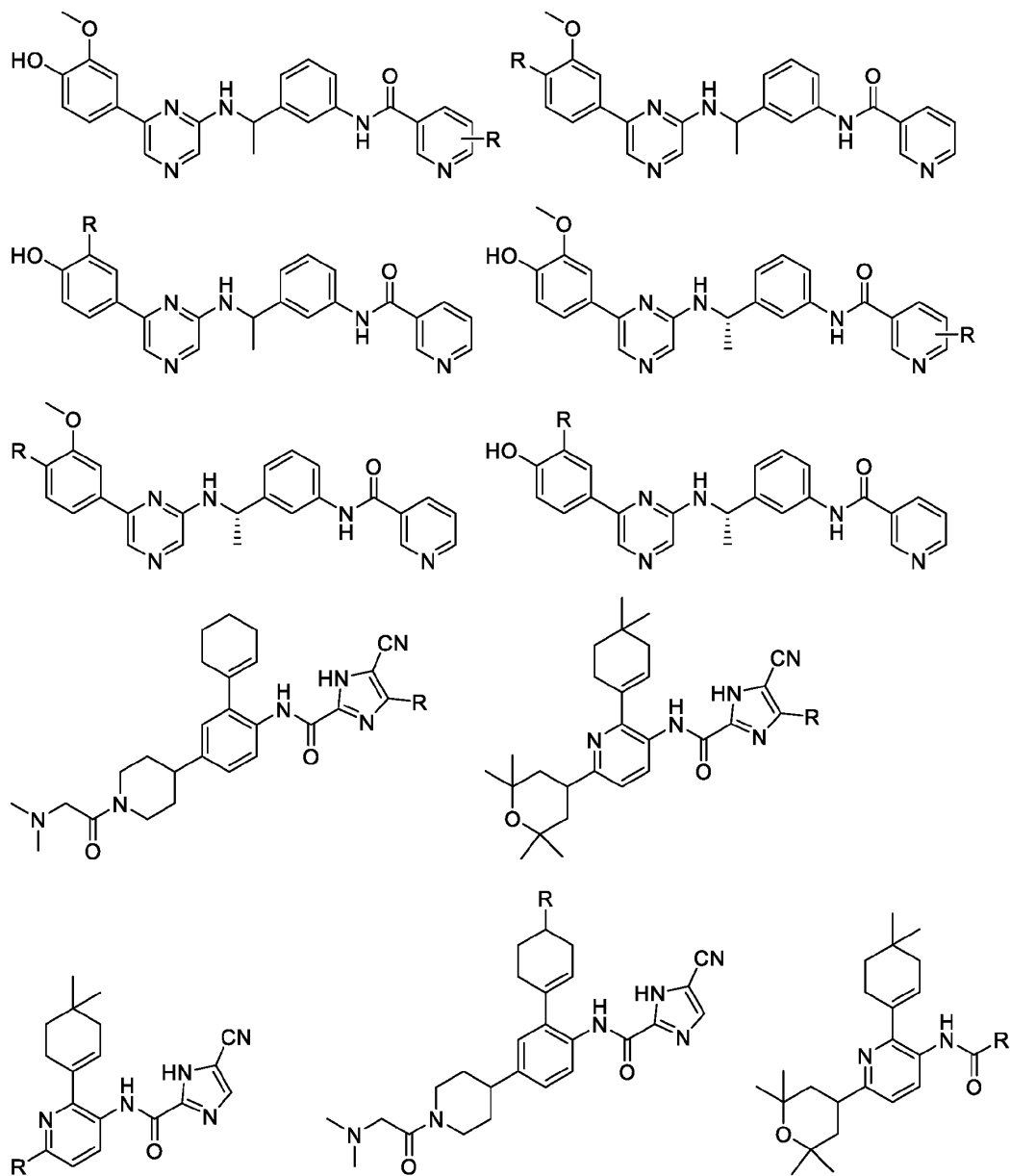


FIG. 74E

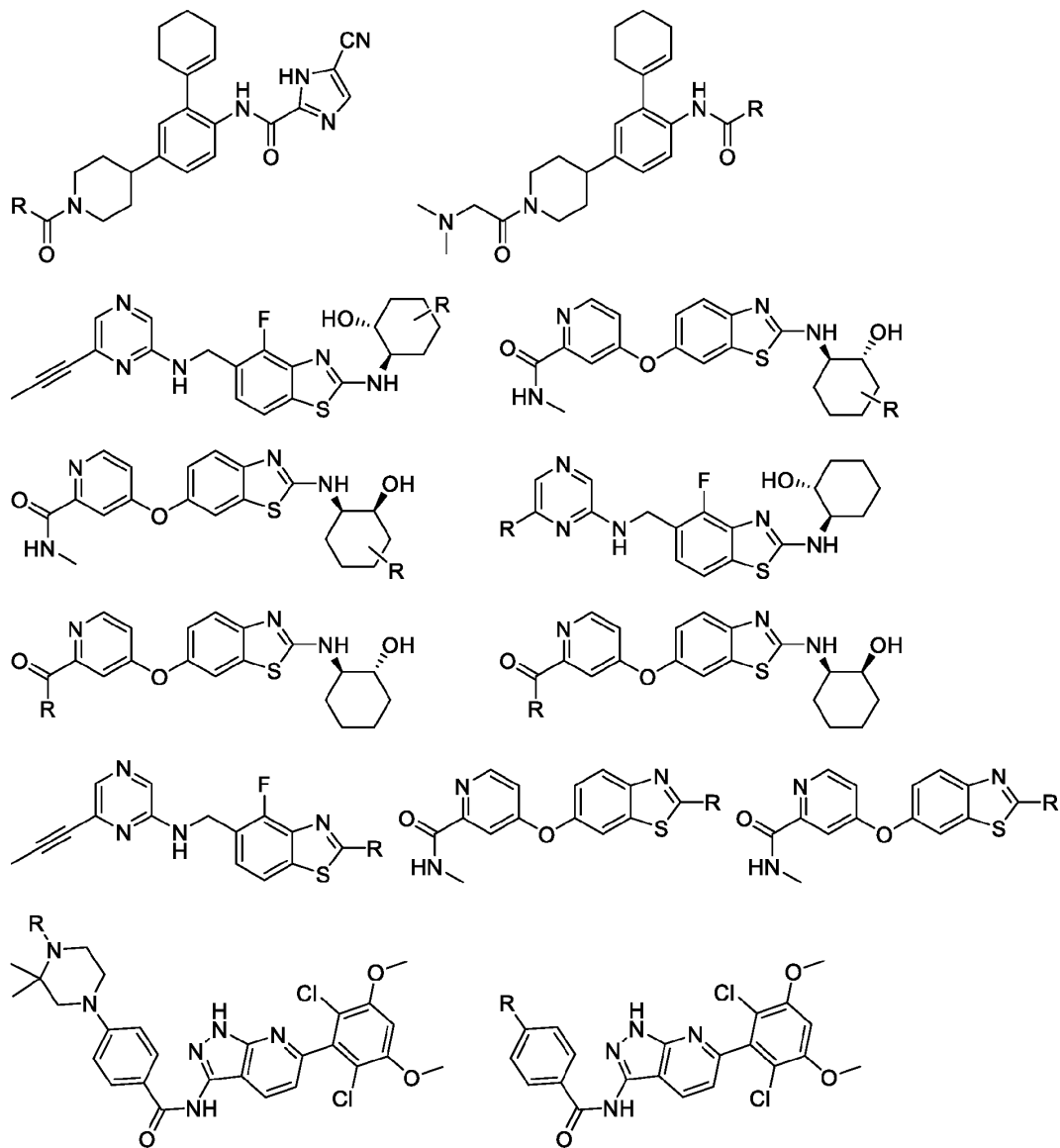


FIG. 74F

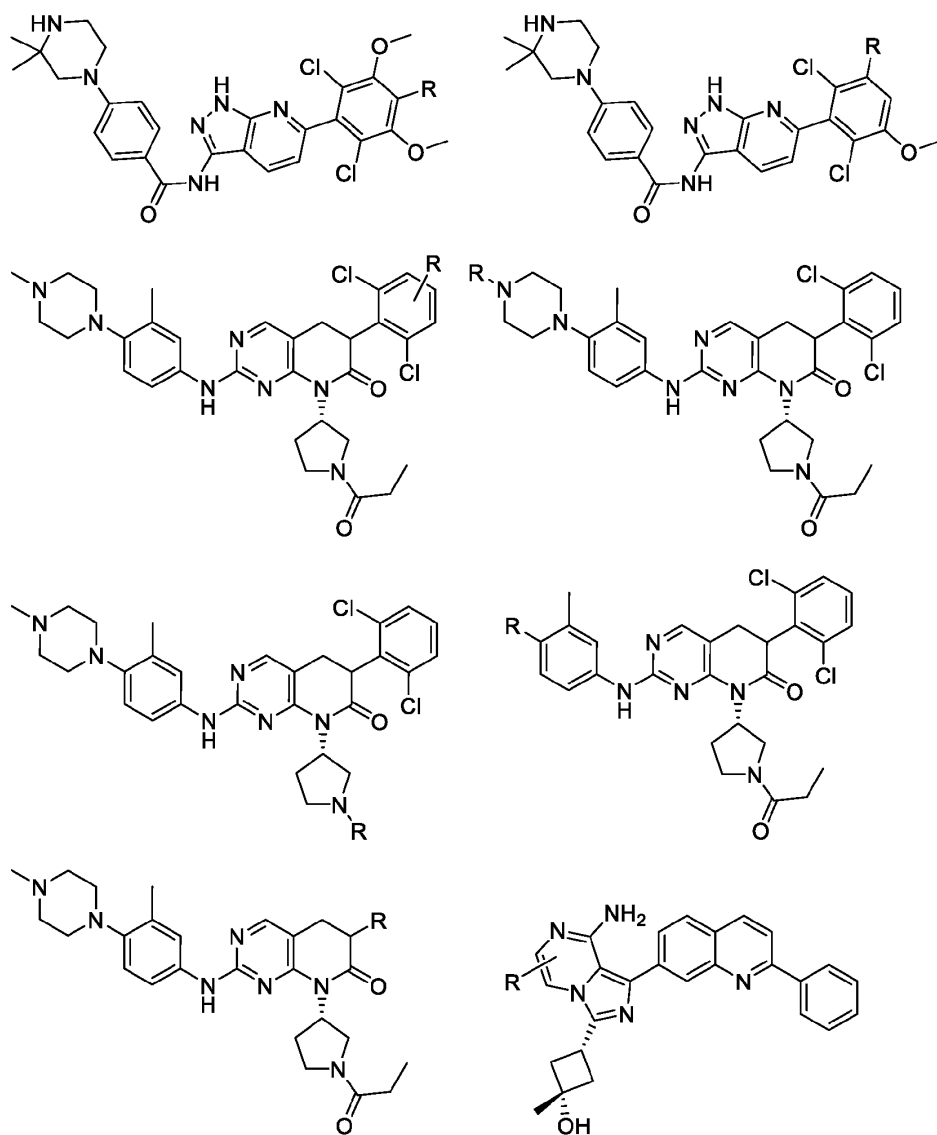


FIG. 74G

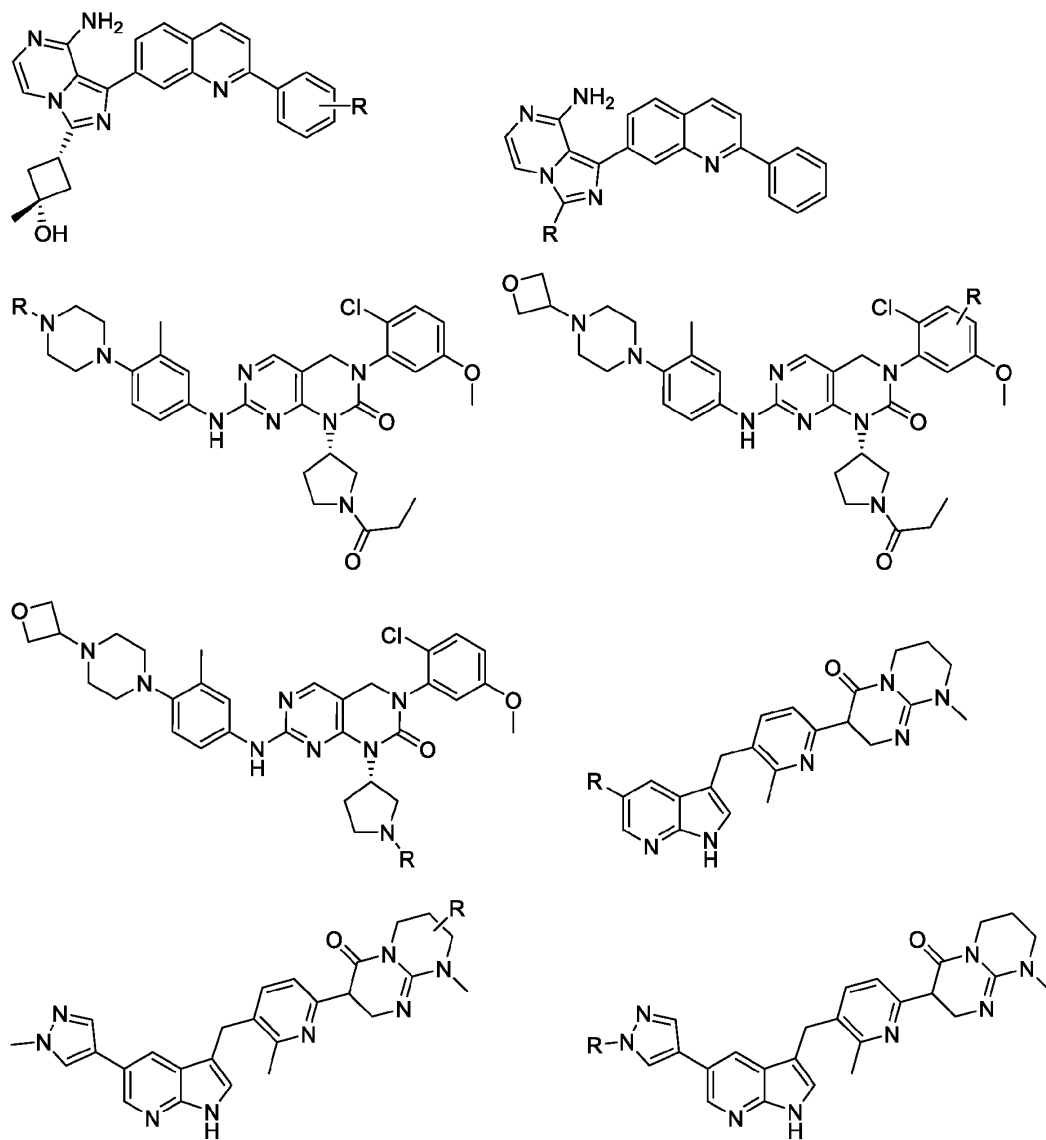




FIG. 74H

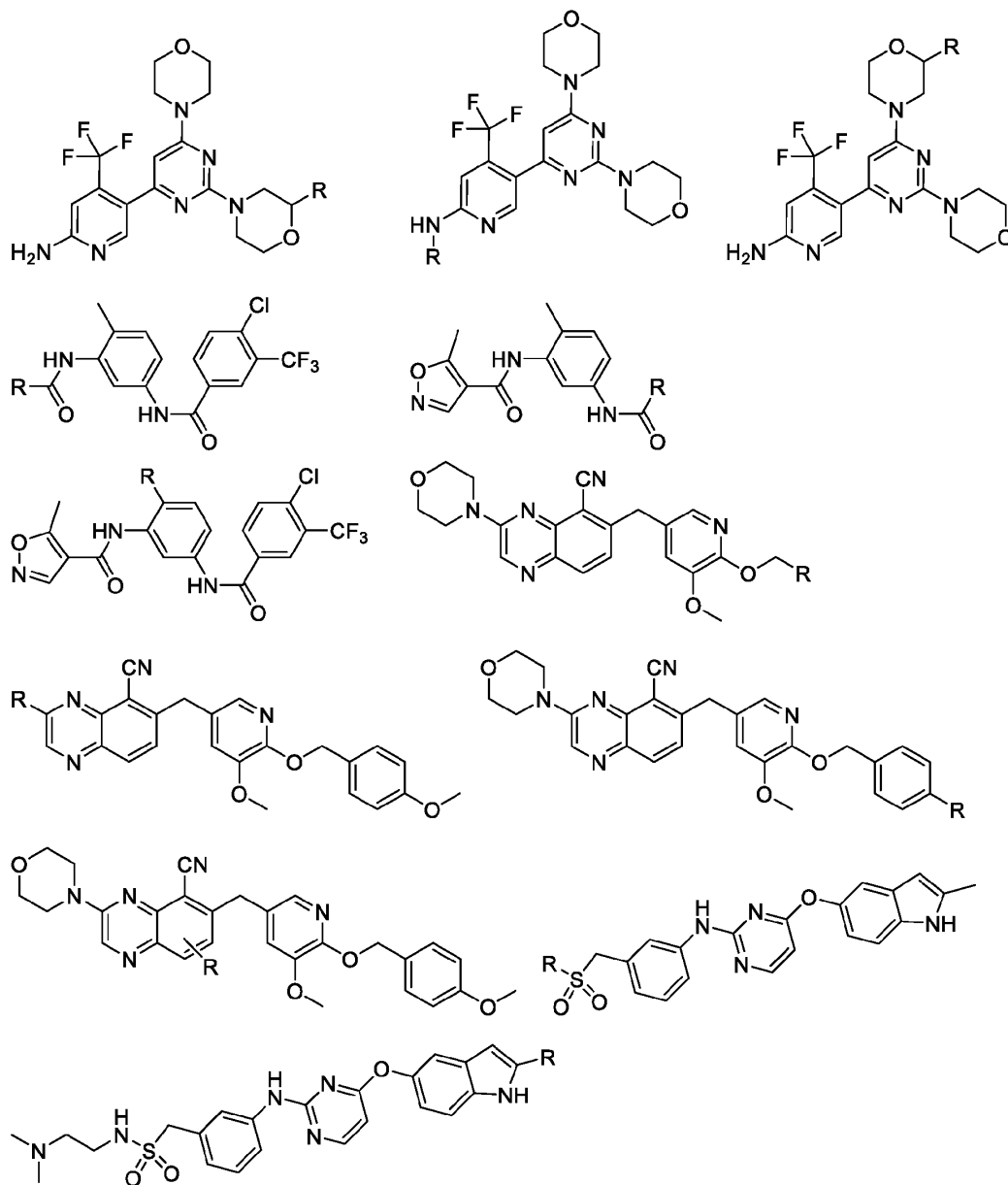


FIG. 74I

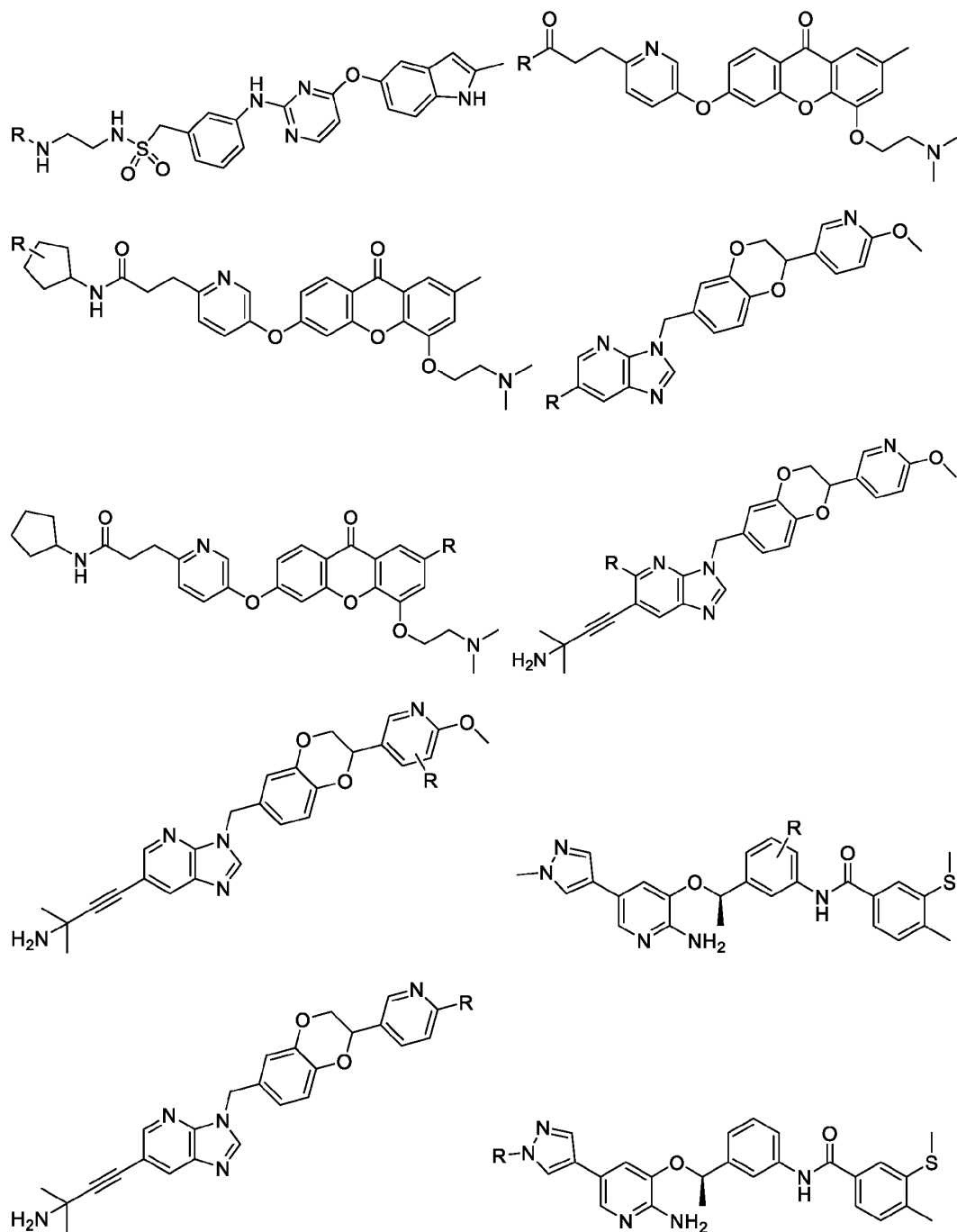


FIG. 74J

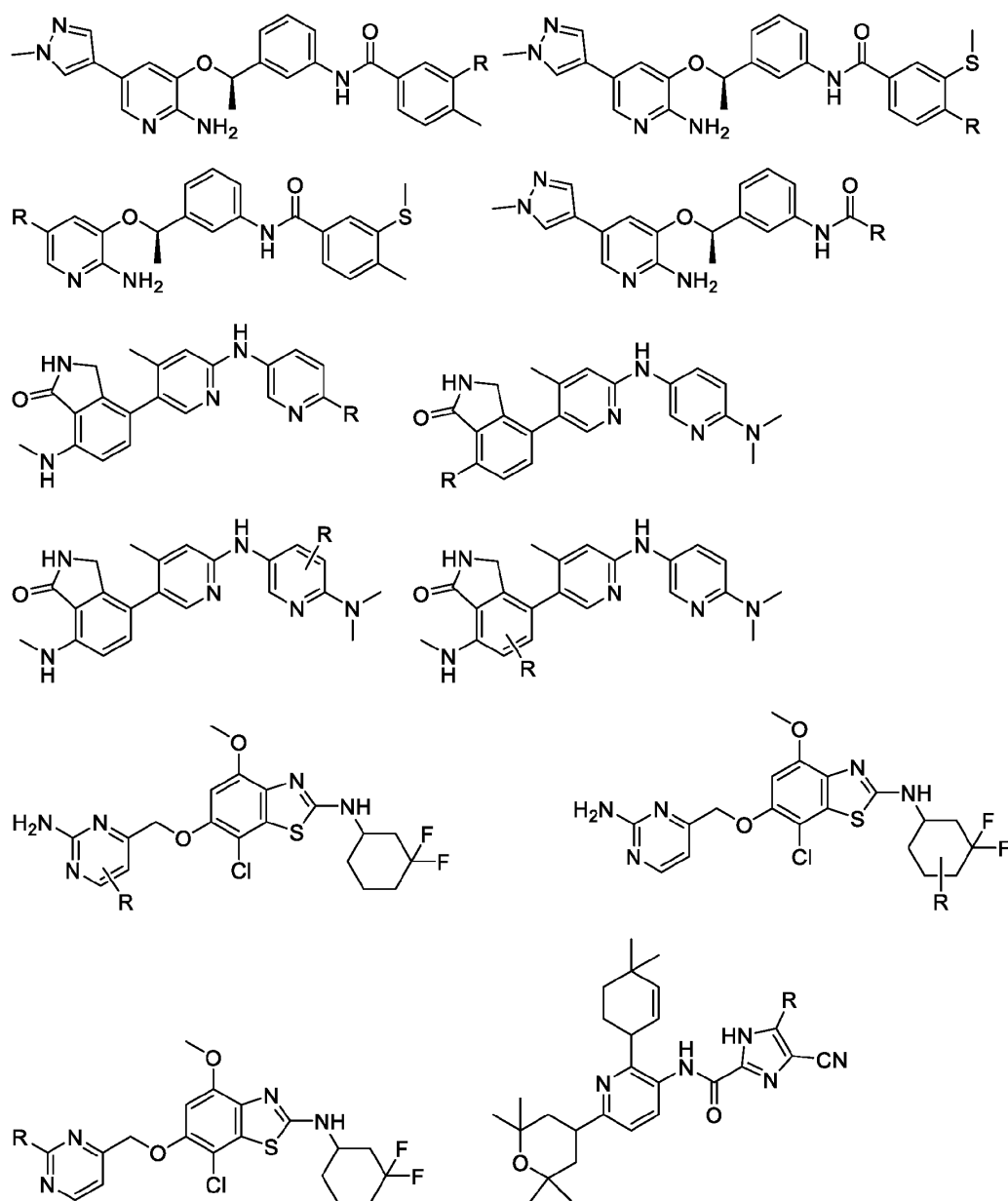


FIG. 74K

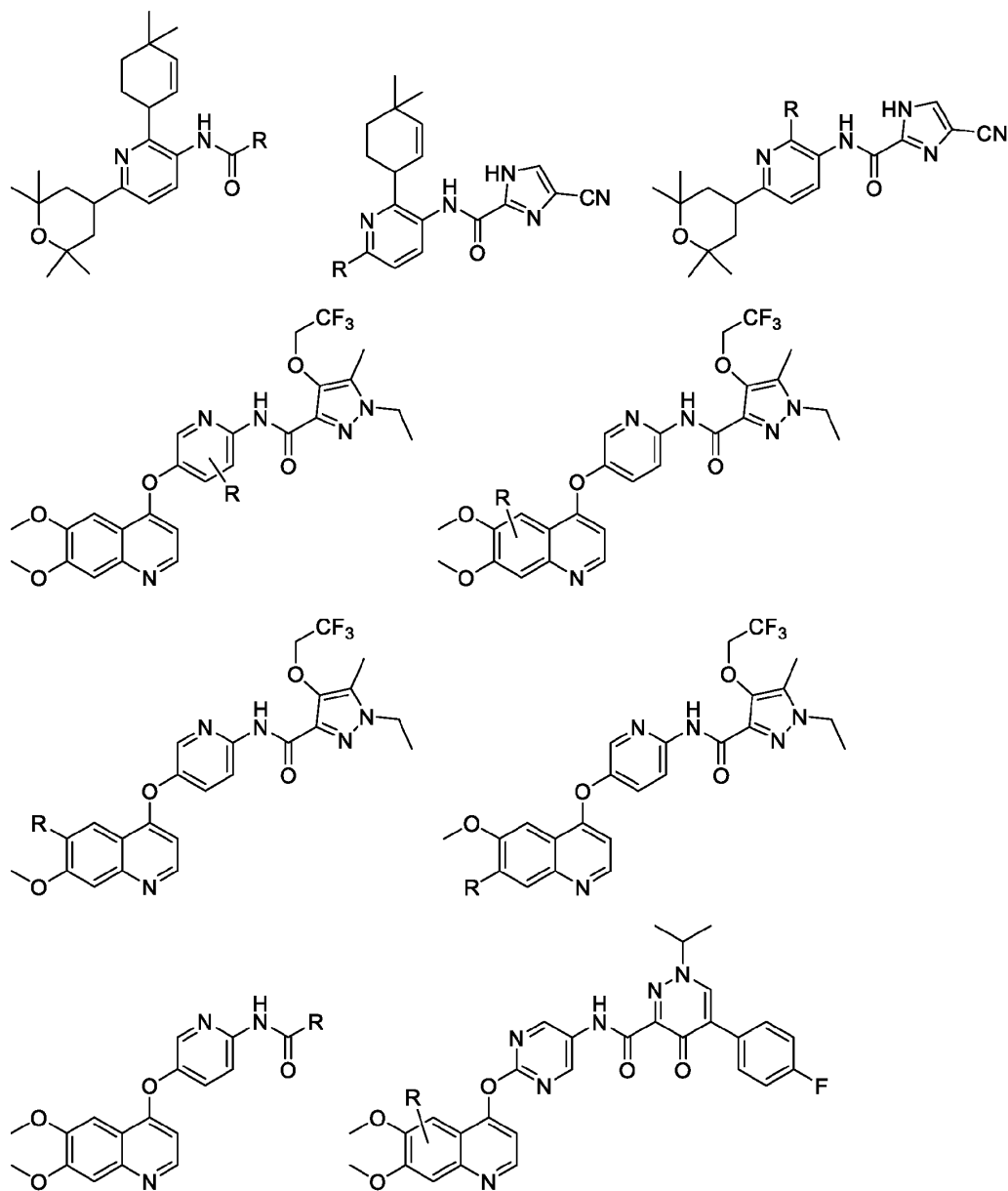


FIG. 74L

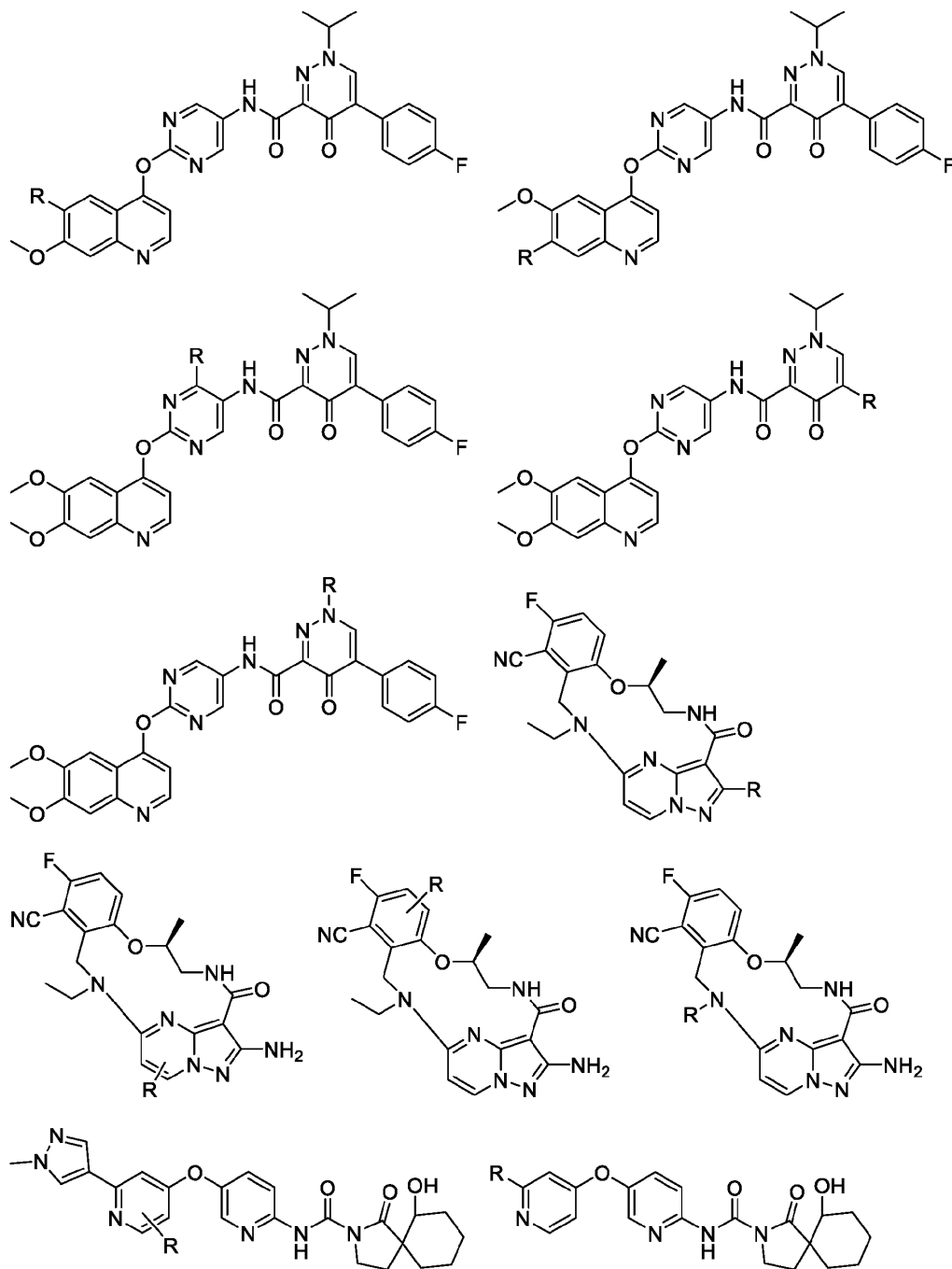


FIG. 74M

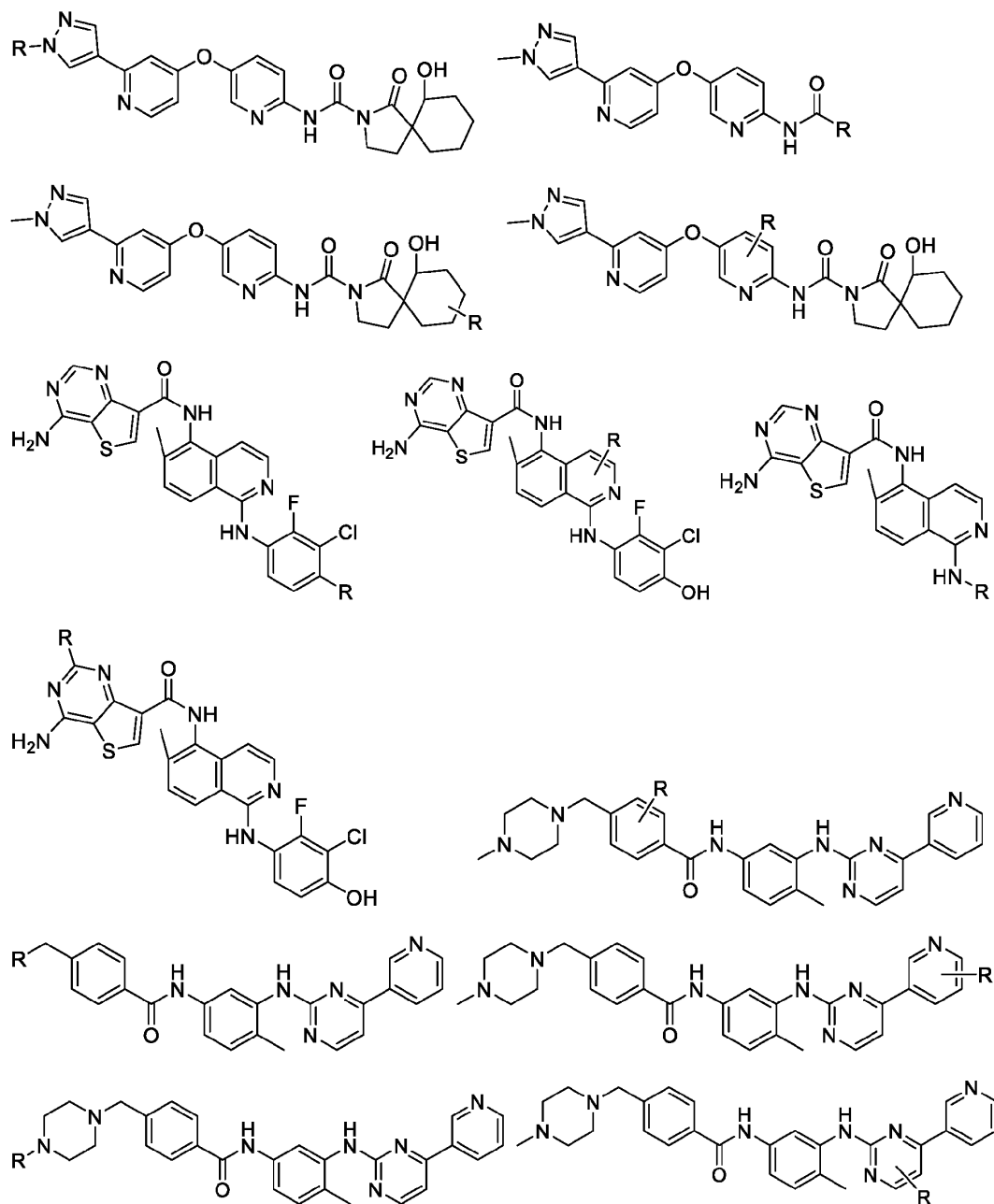


FIG. 75A

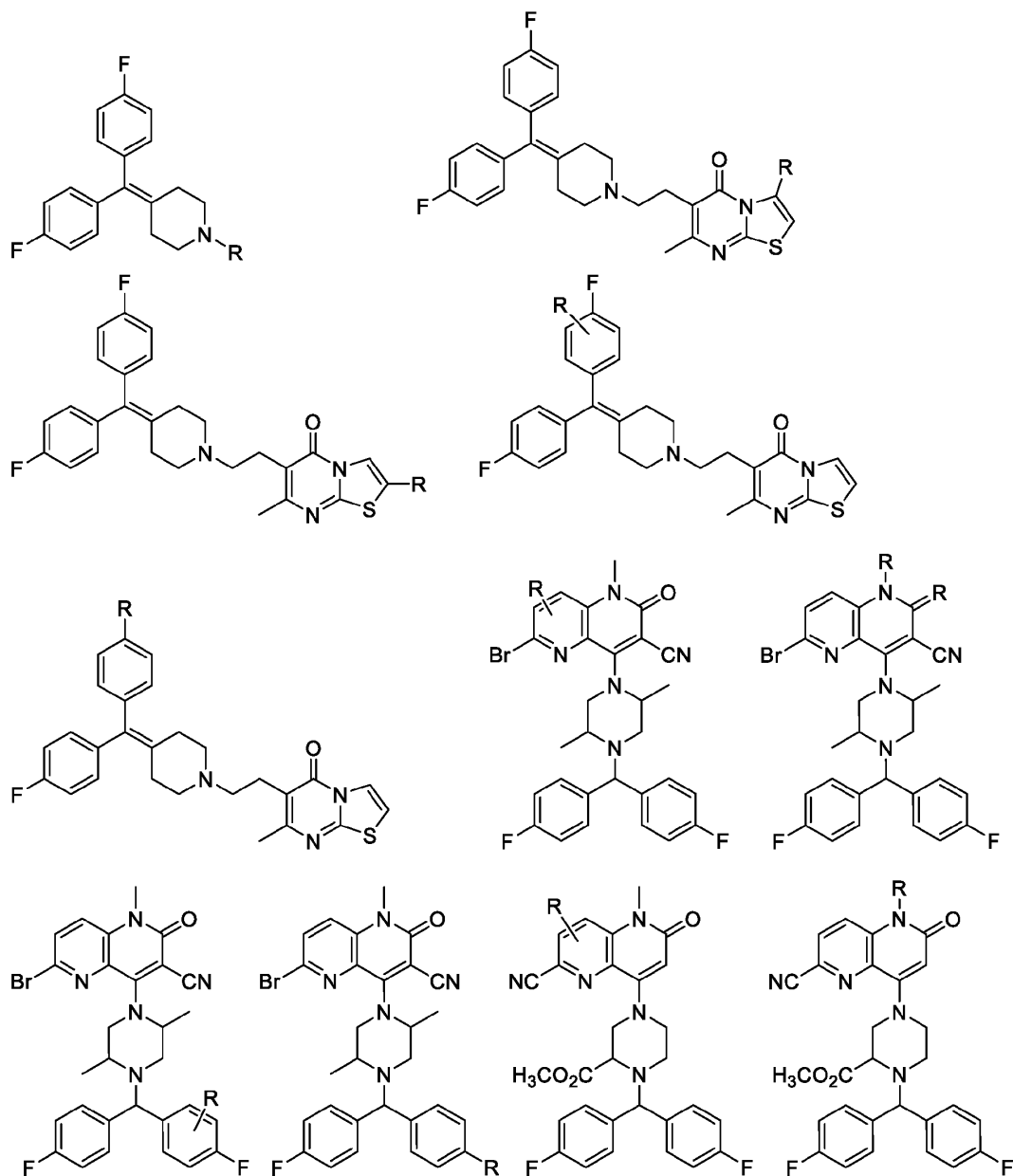


FIG. 75B

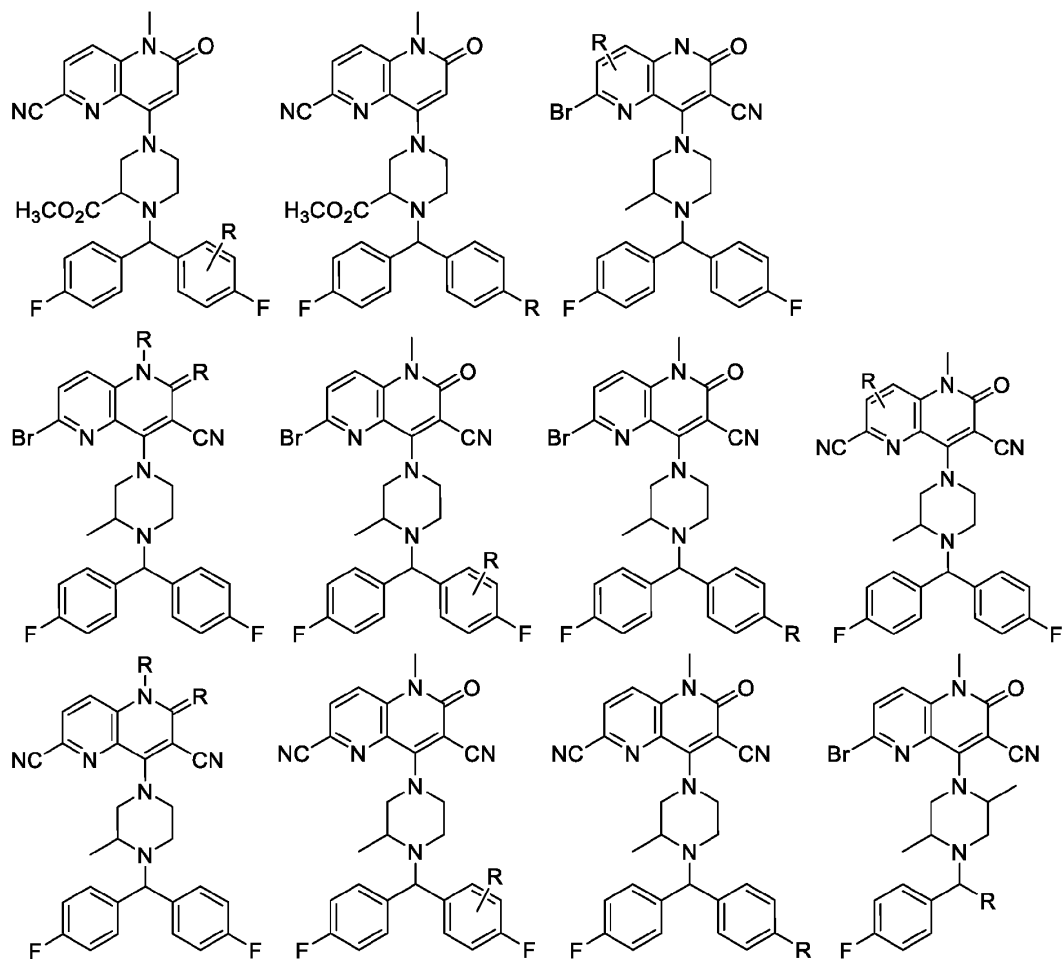




FIG. 76

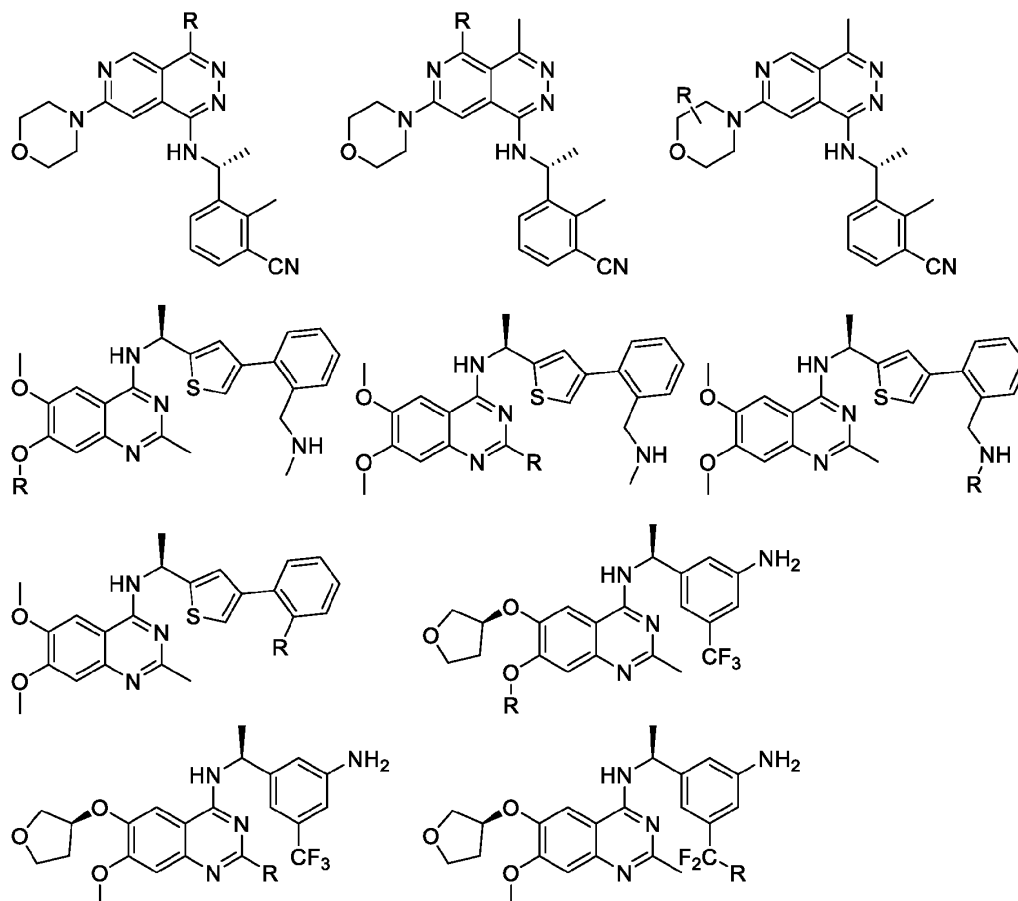


FIG. 77

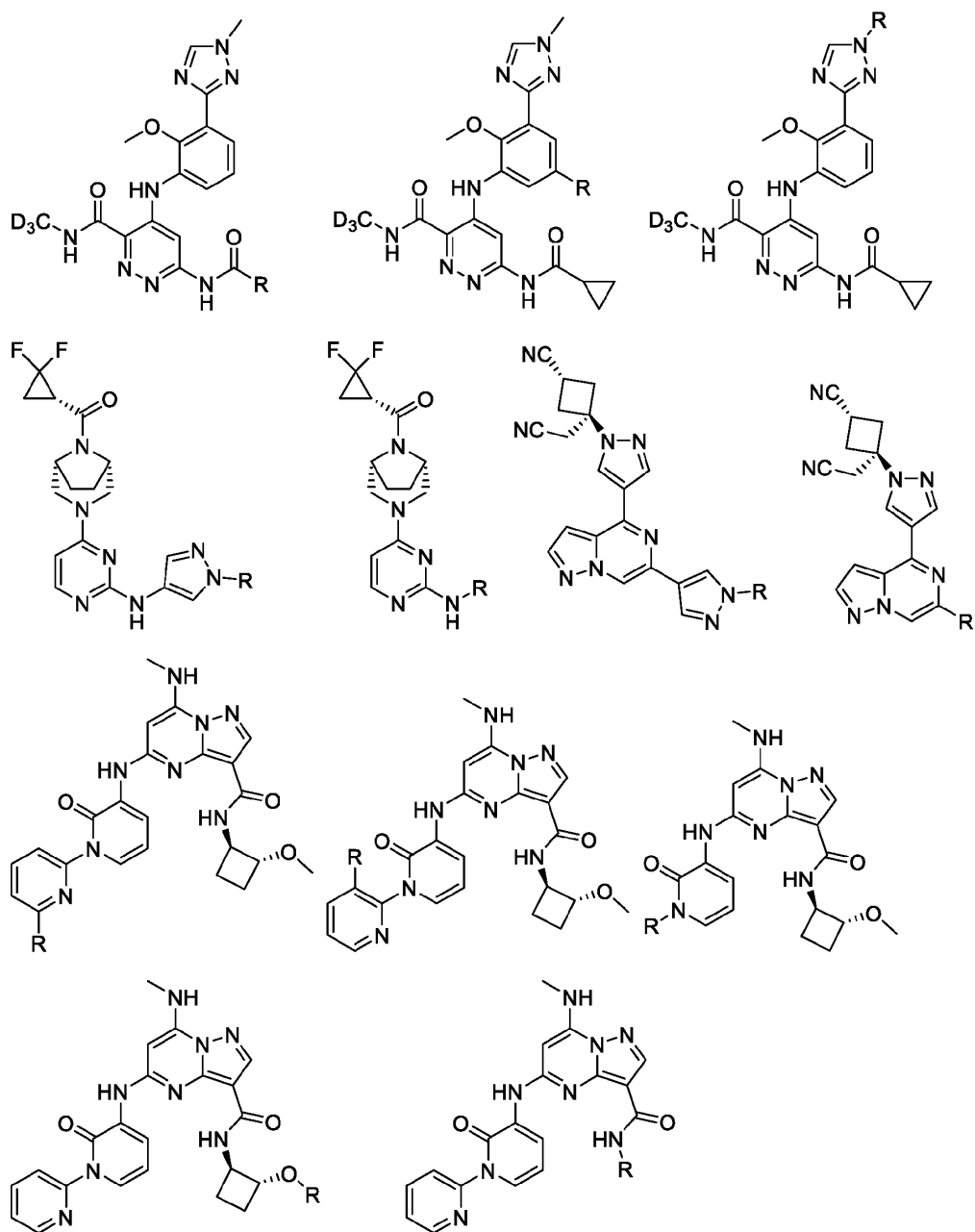


FIG. 78

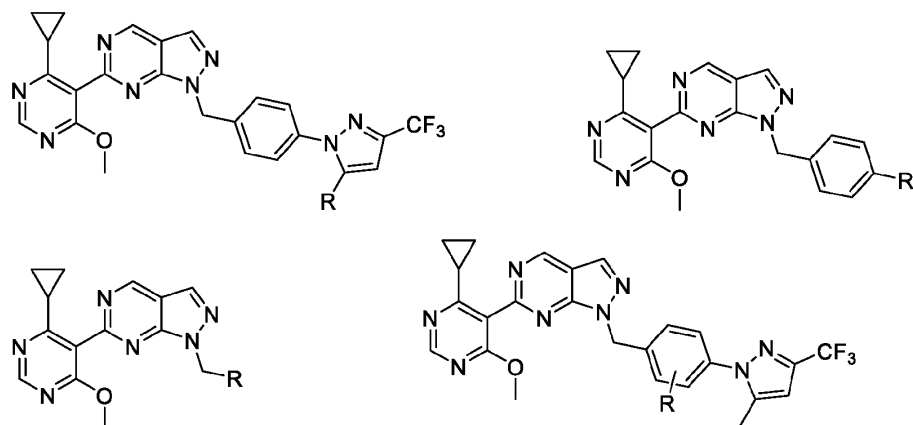


FIG. 79A

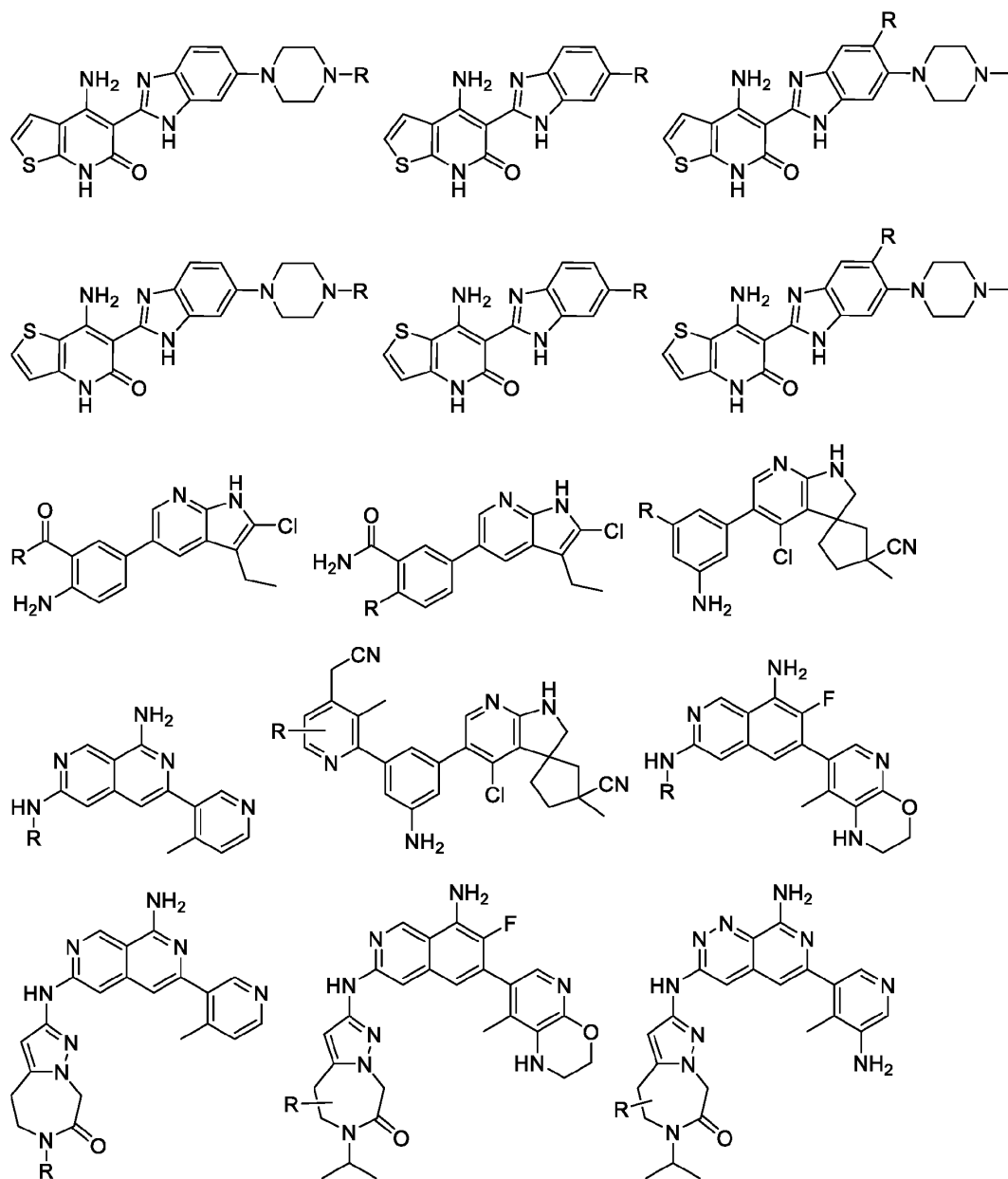


FIG. 79B

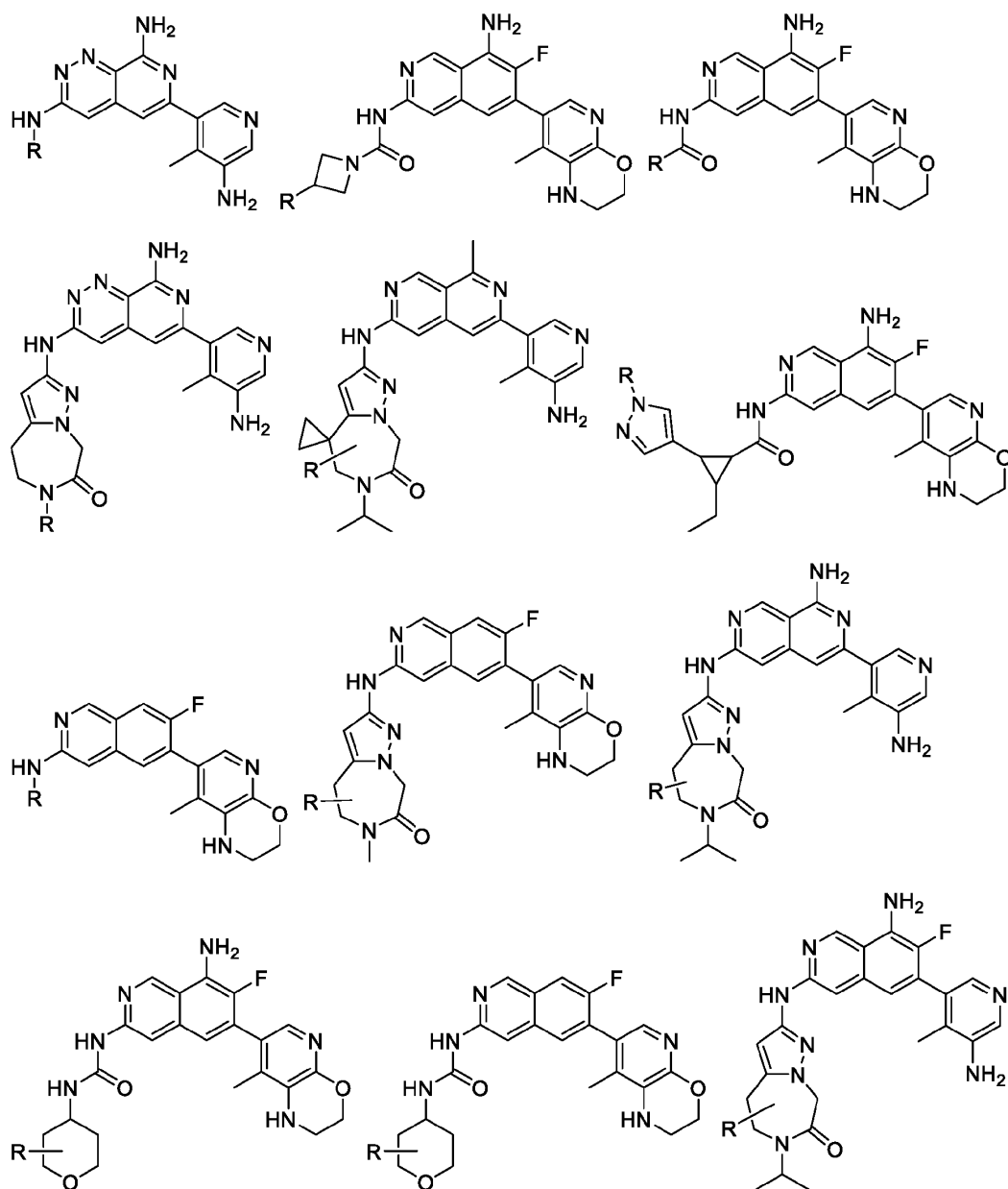


FIG. 79C

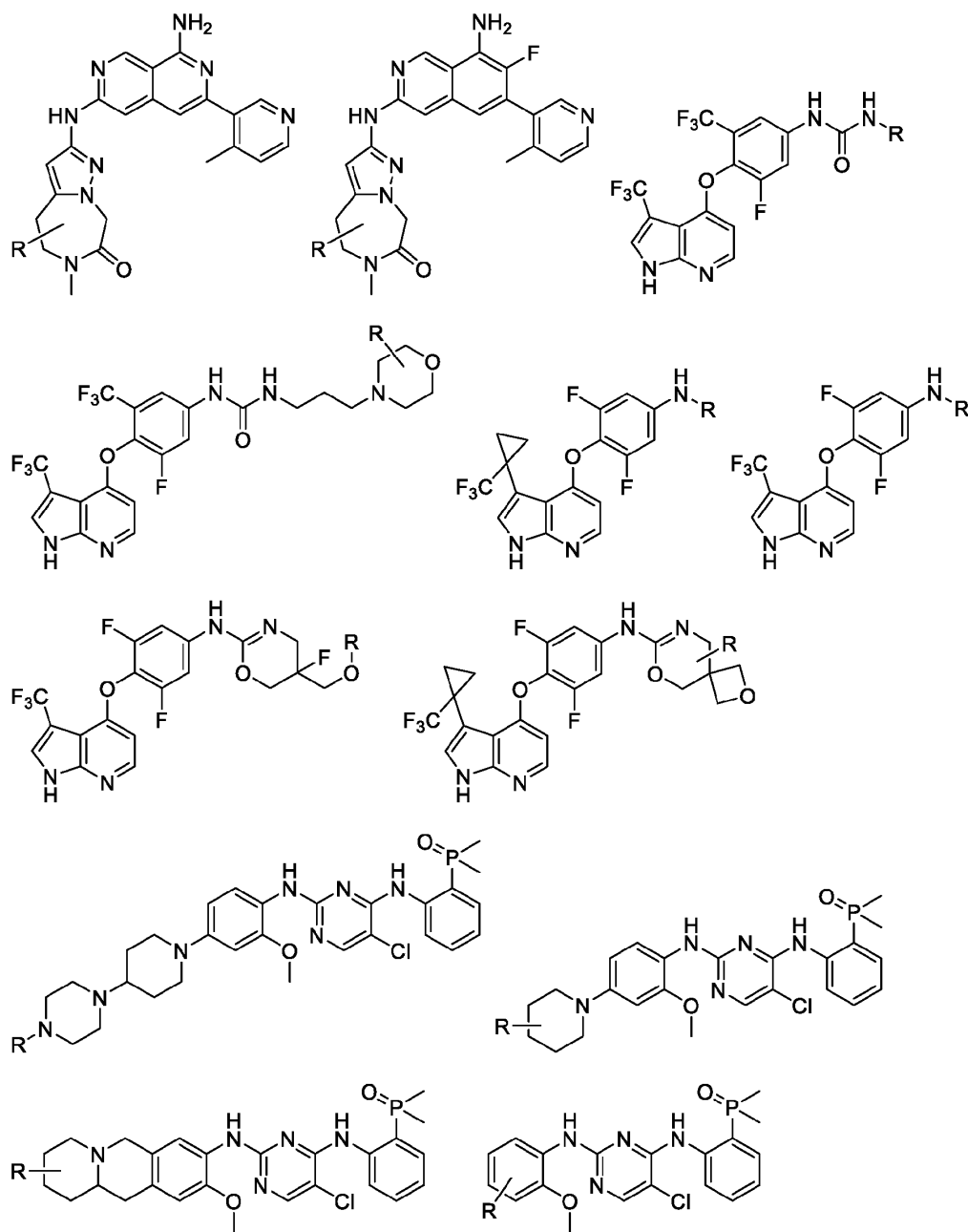


FIG. 79D

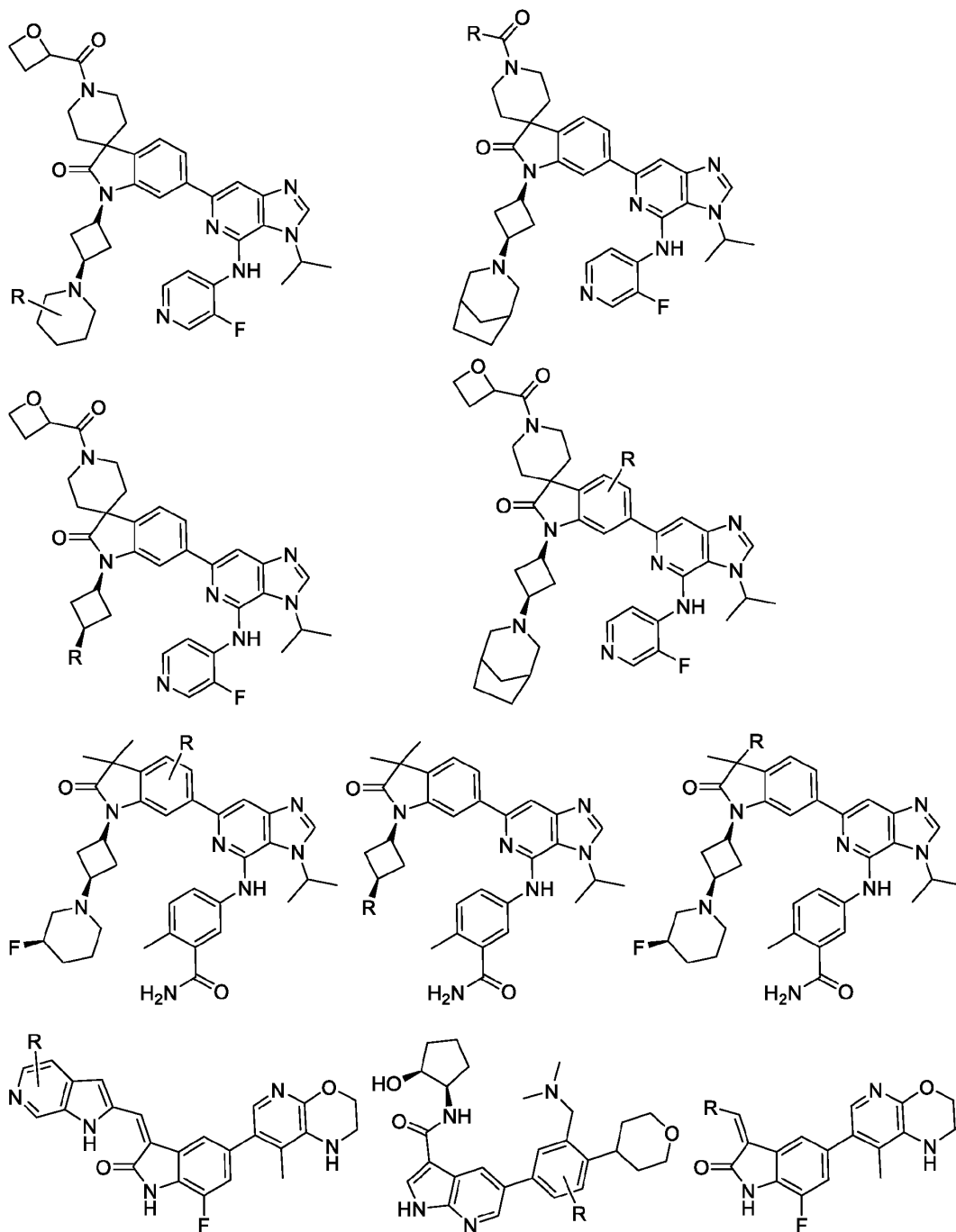


FIG. 79E

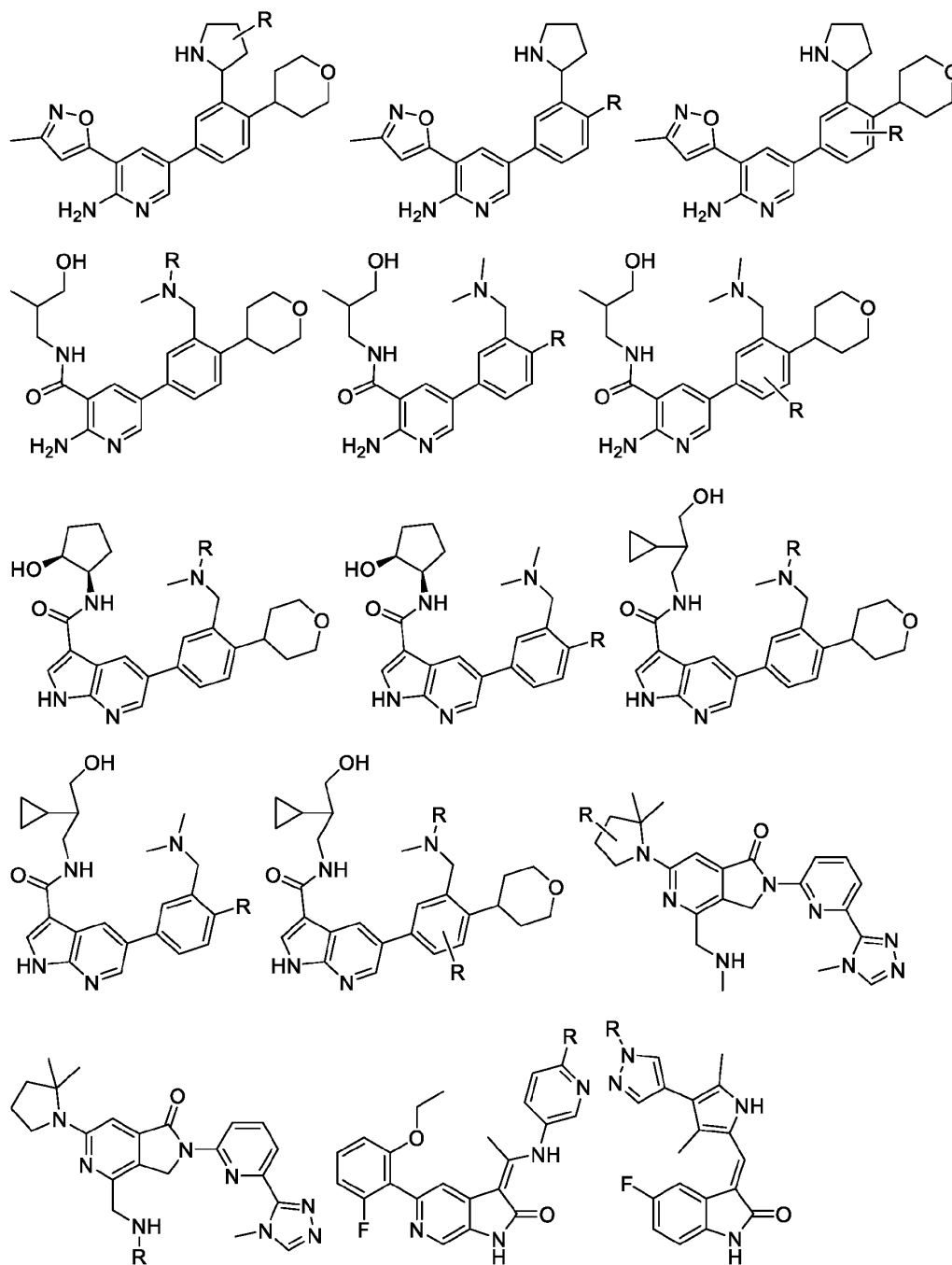




FIG. 79F

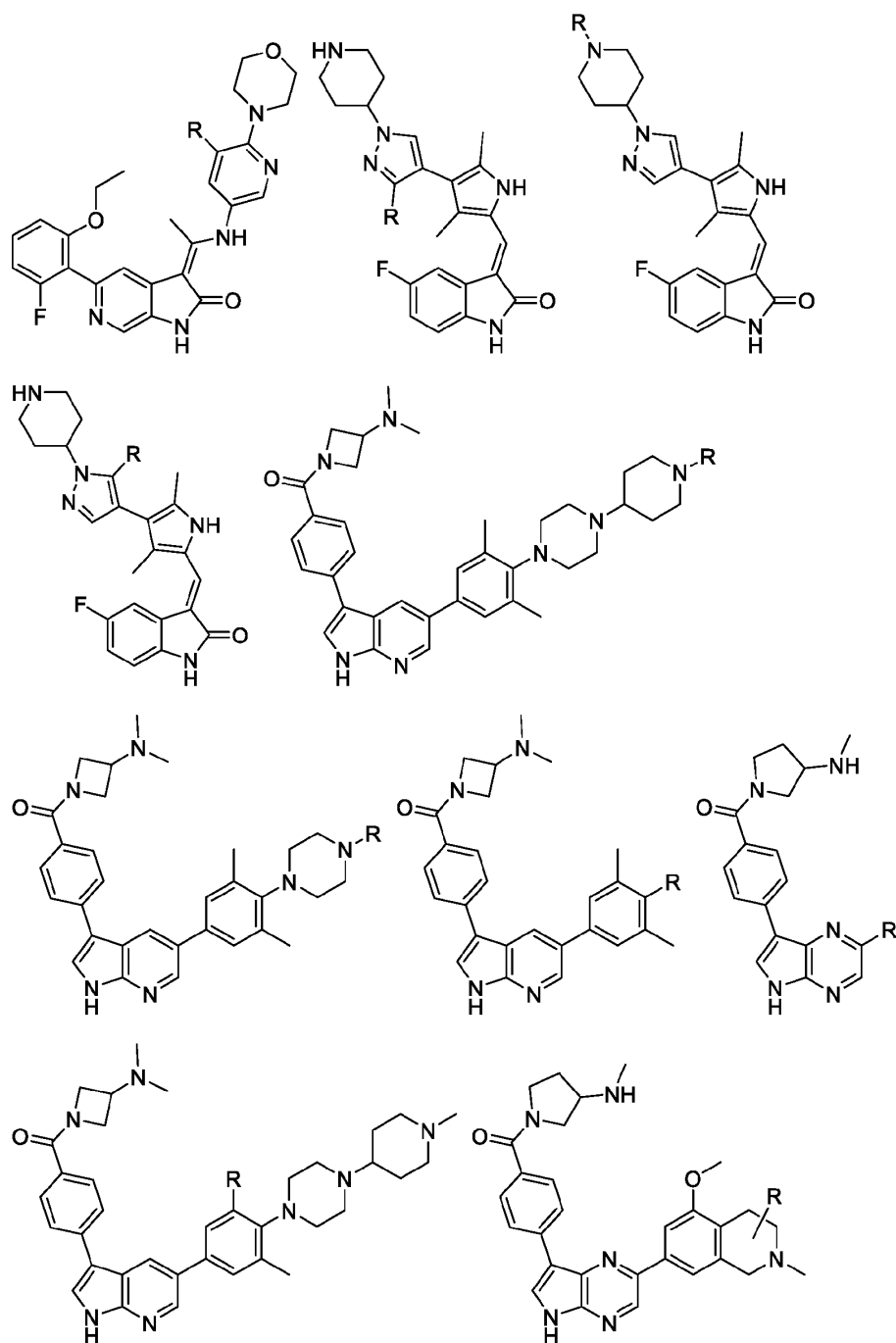


FIG. 79G

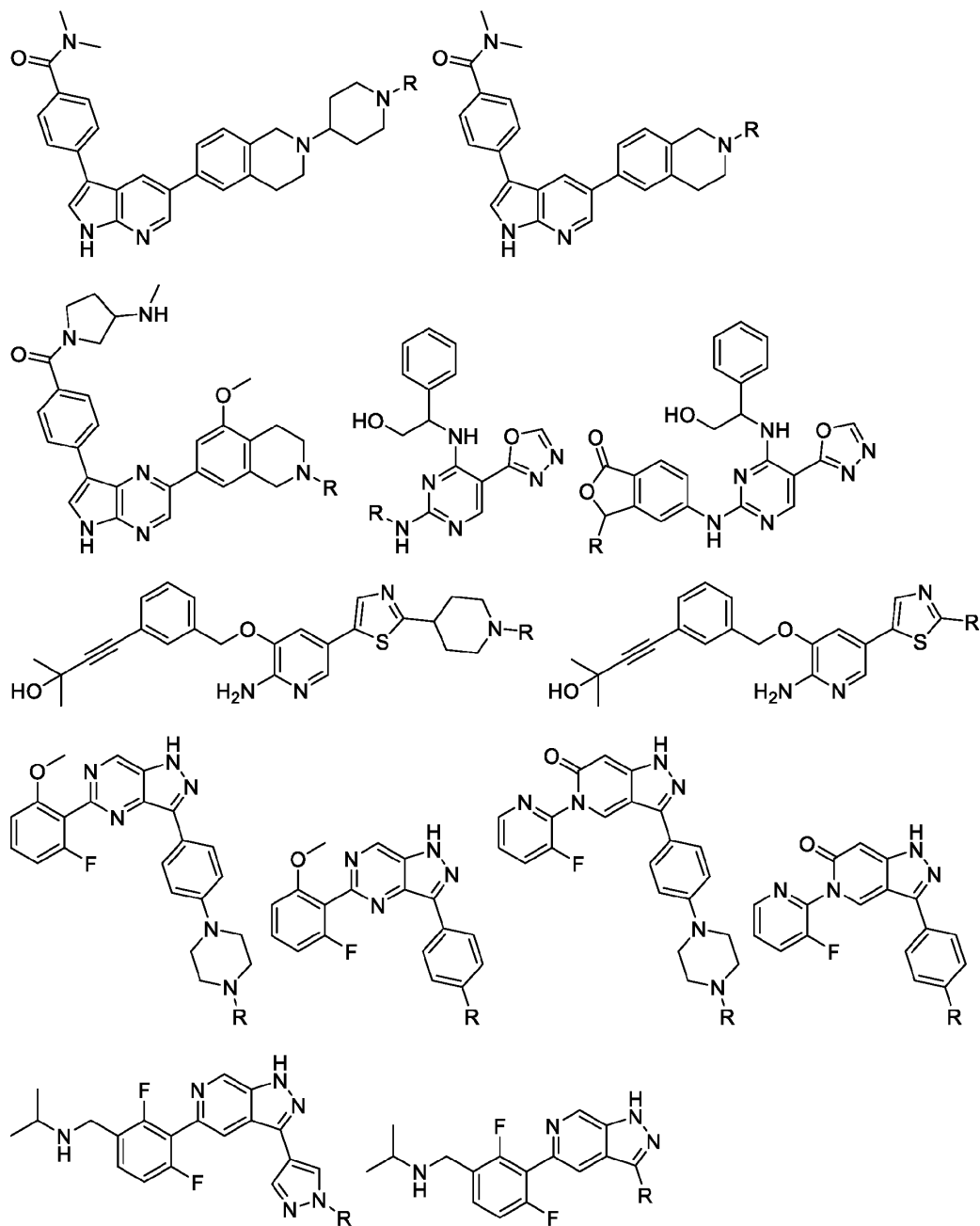


FIG. 79H

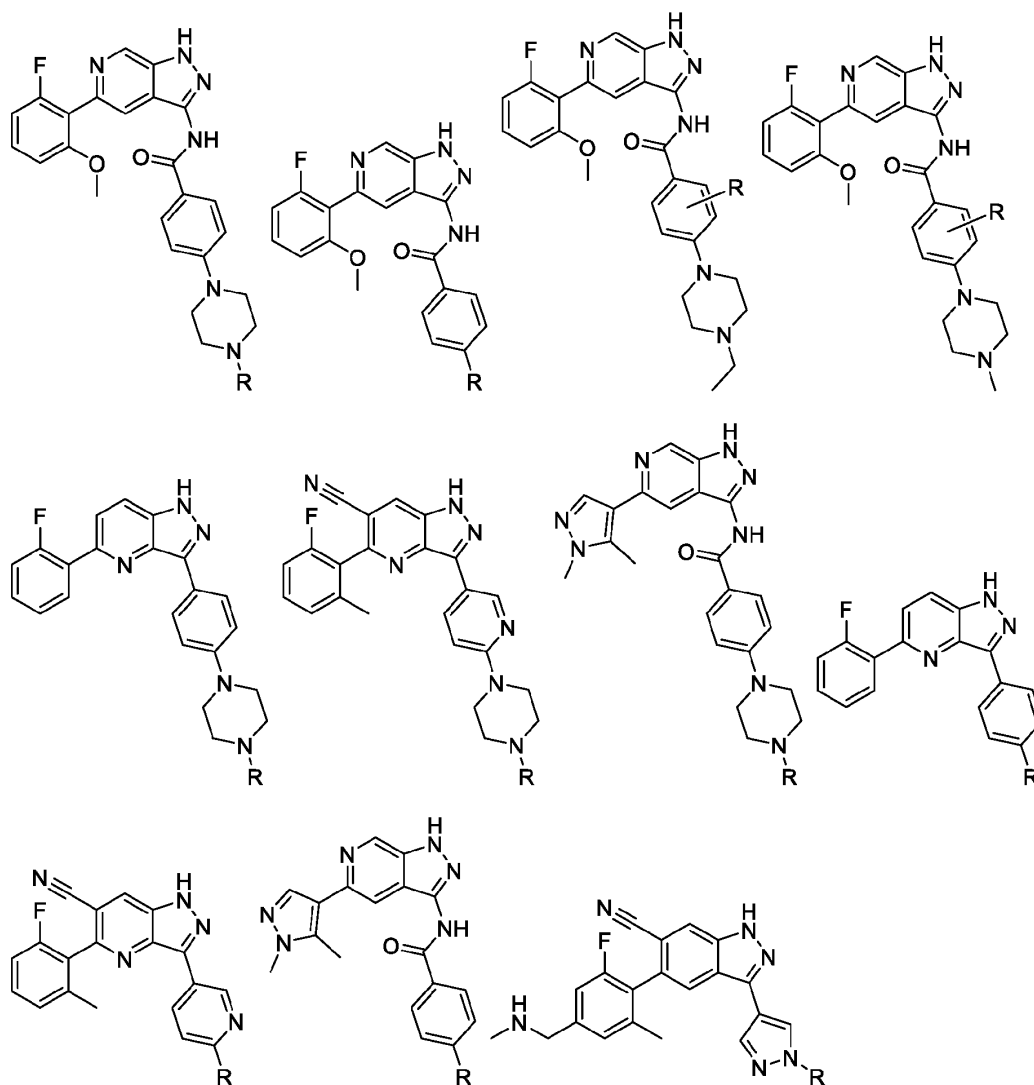


FIG. 79I

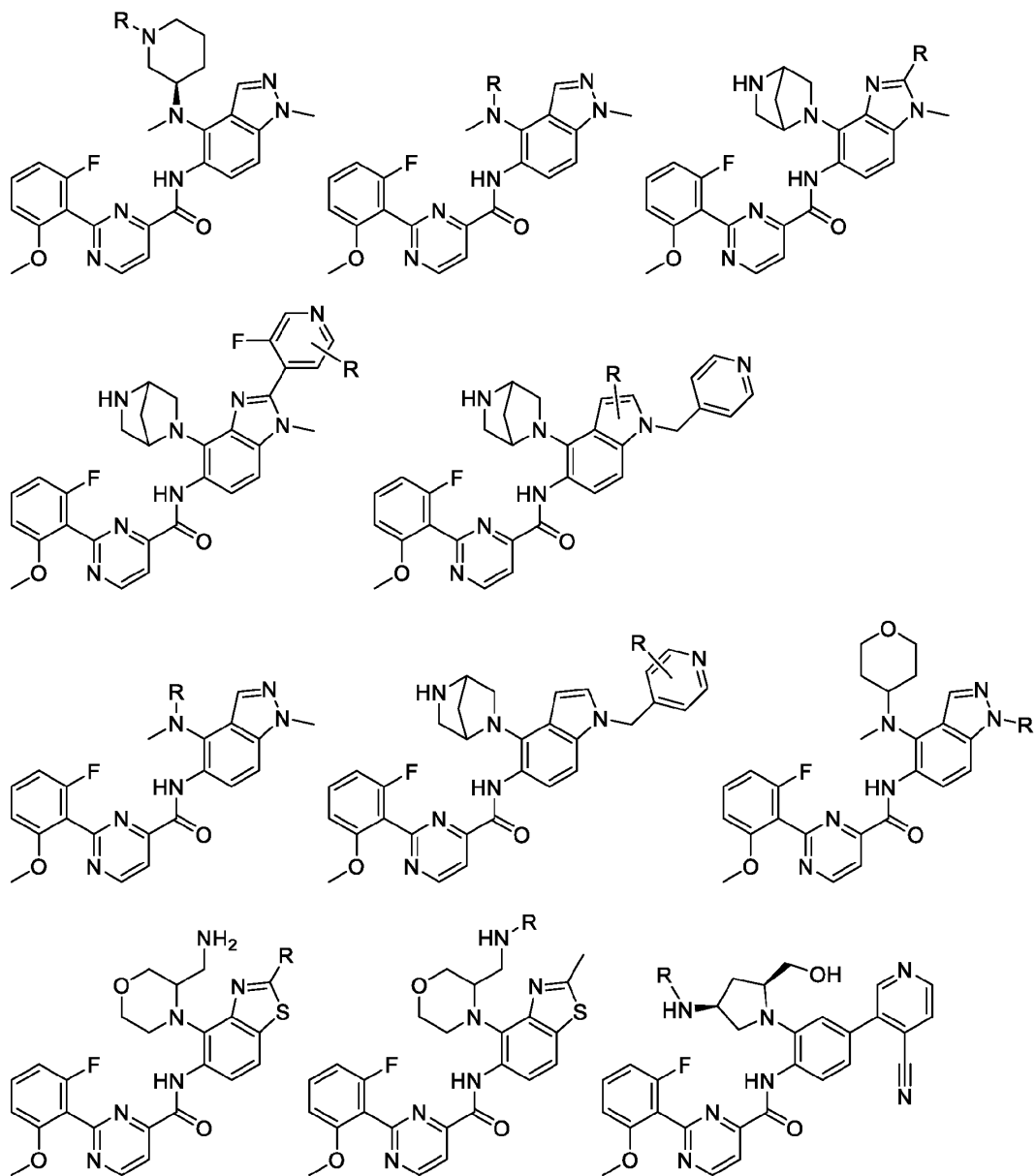


FIG. 79J

