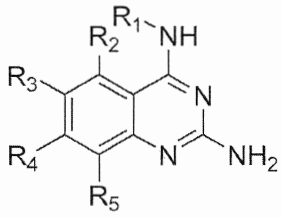
Claims

1. A compound of formula (I)



(I)

or a pharmaceutically acceptable salt~~, solvate or polymorph thereof,~~ wherein

R_1 ~~is C_{3-8}alkyl, C_{3-8}alkoxy, C_{2-6}alkenyl or C_{2-6}alkynyl, each of which is optionally substituted by one or more substituents independently selected from halogen, hydroxyl, amino, nitrile, ester, amide, C_{1-3}alkyl, C_{1-3}alkoxy or C_{3-6}cycloalkyl,~~

~~R_2 is hydrogen, halogen, hydroxyl, amine, C_{1-7}alkyl, C_{1-7}alkylamino, C_{1-6}alkoxy, (C_{1-4})alkoxy-(C_{1-4})alkyl, C_{3-6}cycloalkyl, C_{4-7}heterocycle, aromatic, bicyclic heterocycle, arylalkyl, heteroaryl, heteroarylalkyl, carboxylic amide, carboxylic ester each of which is optionally substituted by one or more substituents independently selected from halogen, hydroxyl, amino, C_{1-6}alkyl, di-(C_{1-6})-alkylamino, C_{1-6}alkylamino, C_{1-6}alkyl, C_{1-6}alkoxy, C_{3-6}cycloalkyl, carboxylic acid, carboxylic ester, carboxylic amide, heterocycle, aryl, alkenyl, alkynyl, arylalkyl, heteroaryl, heteroarylalkyl, or nitrile,~~

~~R_3 is hydrogen, halogen, hydroxyl, amine, C_{1-7}alkyl, C_{1-7}alkenyl, C_{1-7}alkynyl, C_{1-7}alkylamino, C_{1-6}alkoxy, (C_{1-4})alkoxy-(C_{1-4})alkyl, C_{3-6}cycloalkyl, C_{4-7}hetero-cycle, aromatic, bicyclic heterocycle, arylalkyl, heteroaryl, heteroarylalkyl, aryloxy, heteroaryloxy, ketone, nitrile each of which is optionally substituted by one or more substituents independently selected from halogen, hydroxyl, amino, C_{1-6}alkyl, di-(C_{1-6})alkylamino, C_{1-6}alkylamino, C_{1-6}alkyl, C_{1-6}alkoxy, C_{3-6}cycloalkyl, carboxylic acid, carboxylic ester, carboxylic amide, heterocycle, aryl, alkenyl, alkynyl, arylalkyl, heteroaryl, heteroarylalkyl, or nitrile.~~

~~R_4 is hydrogen, halogen, hydroxyl, amine, C_{1-7}alkyl, C_{1-7}alkylamino, C_{1-6}alkoxy, (C_{1-4})alkoxy-(C_{1-4})alkyl, C_{3-6}cycloalkyl, C_{4-7}heterocycle, bicyclic heterocycle, arylalkyl, heteroarylalkyl, aryloxy, heteroaryloxy each of which is optionally substituted by one or more substituents independently selected from halogen, hydroxyl, amino, C_{1-6}alkyl, di-(C_{1-6})alkylamino, C_{1-6}alkylamino, C_{1-6}alkyl, C_{1-6}alkoxy, C_{3-6}cycloalkyl, carboxylic acid, carboxylic ester, carboxylic amide,~~

~~heterocyde, aryl, alkenyl, alkynyl, arylalkyl, heteroaryl, heteroarylalkyl, or nitrile, and~~

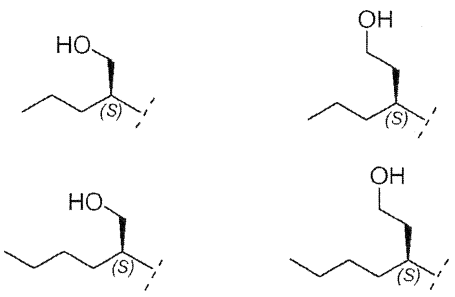
~~R_5 is hydrogen, fluorine, chlorine or methyl with the proviso that~~

~~R_2, R_3, R_4, and R_5 cannot all be H.~~

~~2. A compound of formula (I) according to claim 1 wherein R_1 is butyl, pentyl or 2-pentyl and wherein R_2, R3, R4 and R_5 are as specified above.~~

~~3. A compound of formula (I) according to claim 1 wherein R_1 is C_{4-8}alkyl substituted with a hydroxyl, and wherein R_2, R_3, R_4 and R_5 are as specified above.~~

~~4. A compound of formula (I) according to claim 3 wherein R_1, when being C_{4-8}alkyl substituted with hydroxyl,~~ is one of the following:



R_2 is hydrogen, halogen, hydroxyl, amine, C_{1-7}alkyl, C_{1-7}alkylamino, C_{1-6}alkoxy, or (C_{1-4})alkoxy-(C_{1-4})alkyl,

R_3 is hydrogen, halogen, hydroxyl, amine, C_{1-7}alkyl, C_{1-7}alkenyl, C_{1-7}alkynyl, C_{1-7}alkylamino, C_{1-6}alkoxy or (C_{1-4})alkoxy-(C_{1-4})alkyl,

R_4 is hydrogen, halogen, hydroxyl, amine, C_{1-7}alkyl, C_{1-7}alkylamino, C_{1-6}alkoxy, or (C_{1-4})alkoxy-(C_{1-4})alkyl, and

R_5 is hydrogen, fluorine, chlorine or methyl with the proviso that

R_2, R_3, R_4, and R_5 cannot all be H.

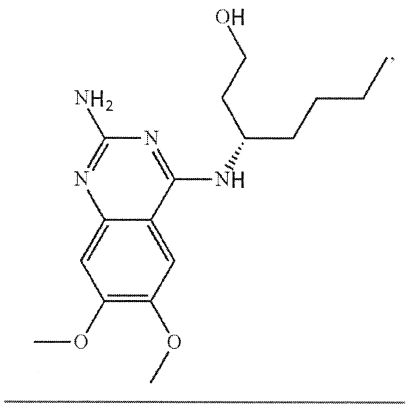
~~5~~2. A compound of formula (I) according to claim 1 wherein R_5 is ~~preferably~~ hydrogen or fluorine ~~and R_1, R_2, R_3, and R_4 are as described above~~.

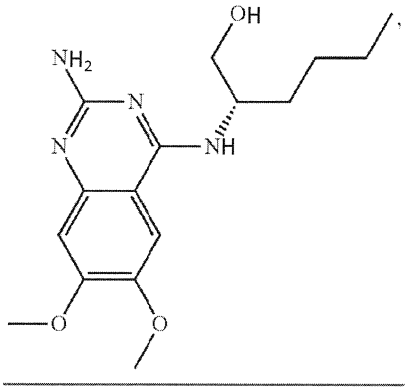
~~6. A pharmaceutical composition comprising a compound of formula (I) or a pharmaceutically acceptable salt, solvate or polymorph thereof according to one of claims 1 -5 together with one or more pharmaceutically acceptable excipients, diluents or carriers.~~

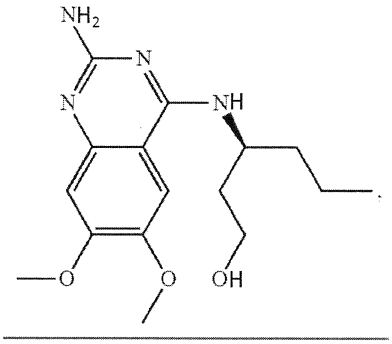
7. A compound of formula (I) or a pharmaceutically acceptable salt, solvate or polymorph thereof according to one of claims 1-5 or a pharmaceutical composition according to claim 6 for use as a medicament.

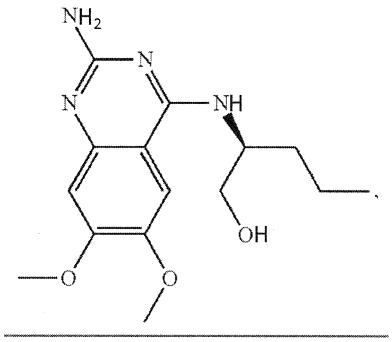
~~8. A compound of formula (I) or a pharmaceutically acceptable salt, solvate or polymorph thereof according to one of claims 1-5, or a pharmaceutical composition according to claim 6 for use in the treatment of a disorder in which the modulation of TLR7 and /or TLR8 is involved.~~

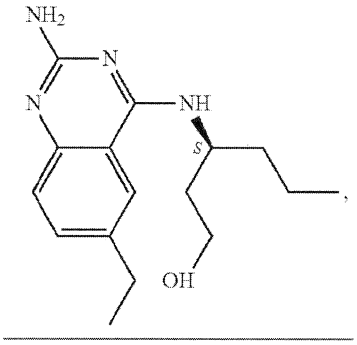
3. A compound of claim 1 selected from the group consisting of

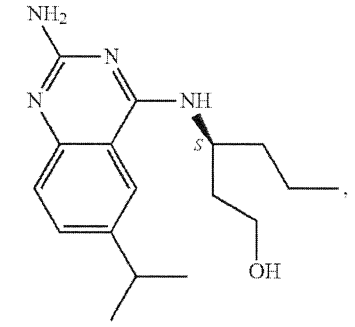


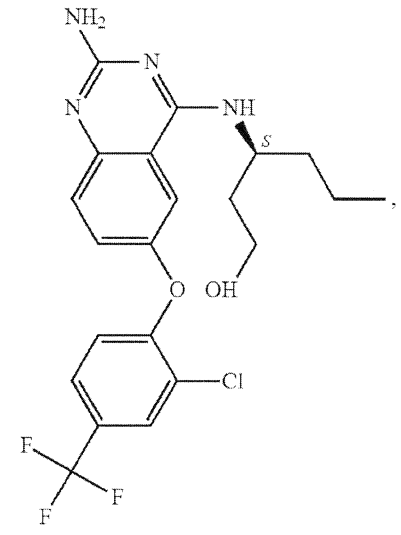


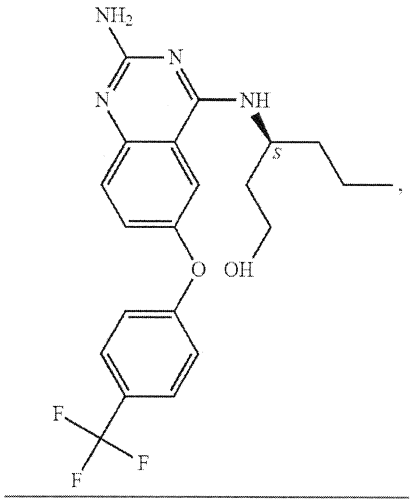


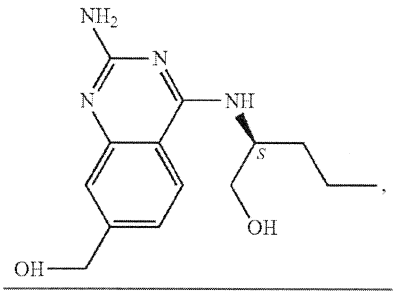


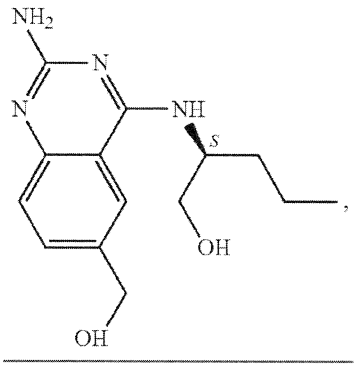


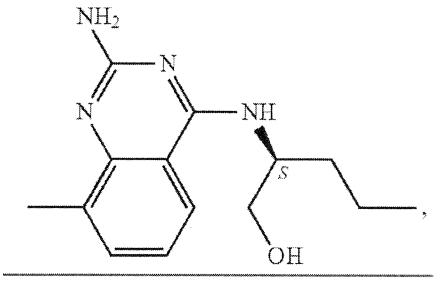


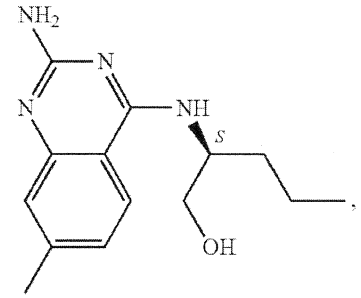


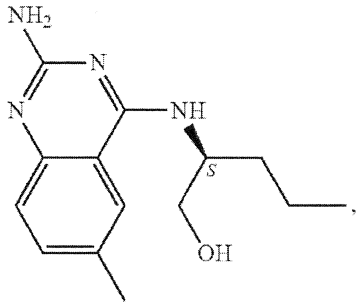


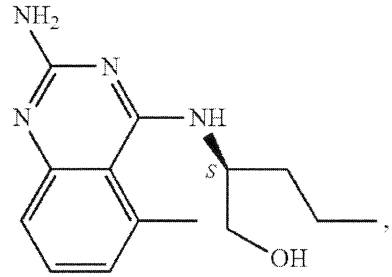


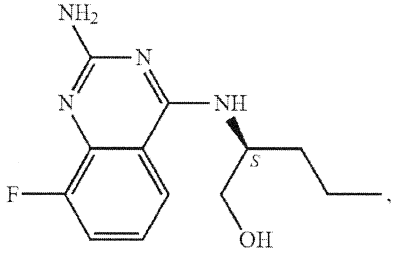


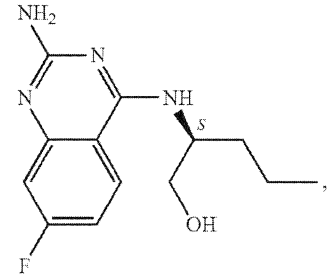


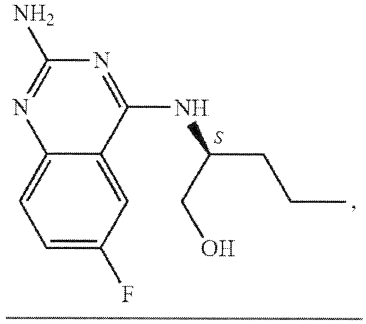


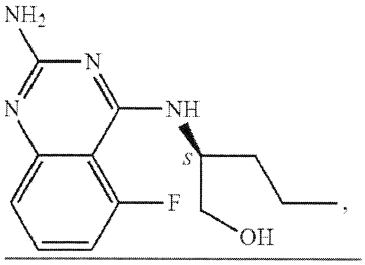


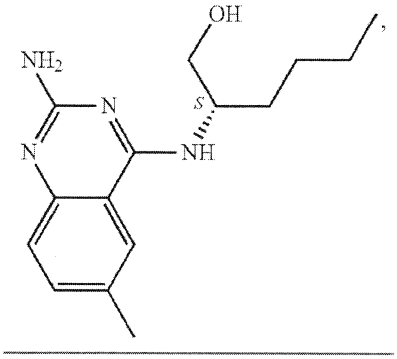


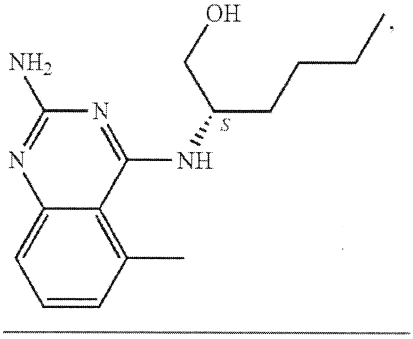


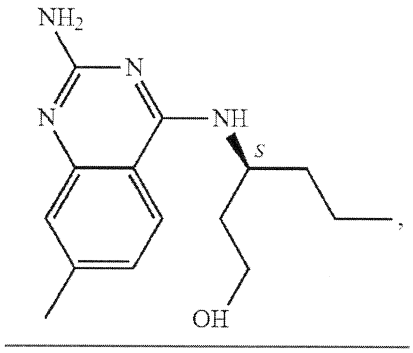


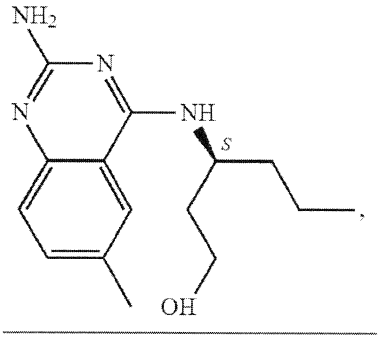


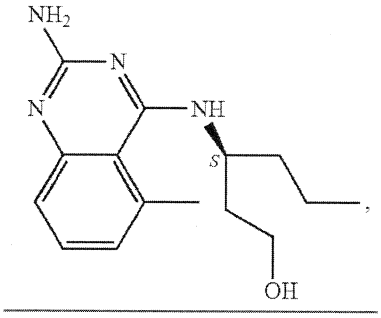


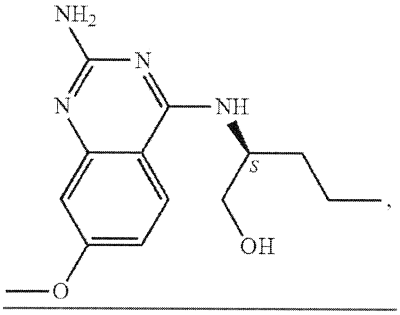


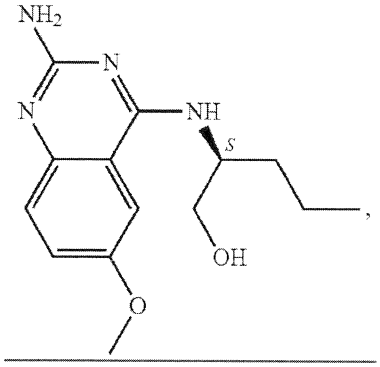


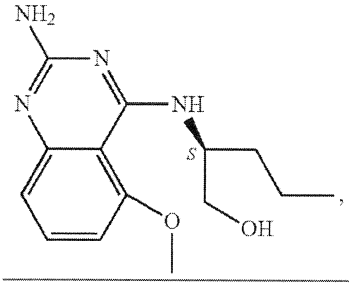


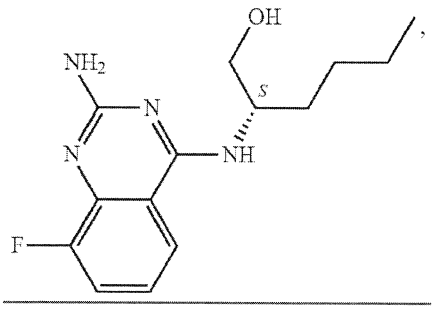


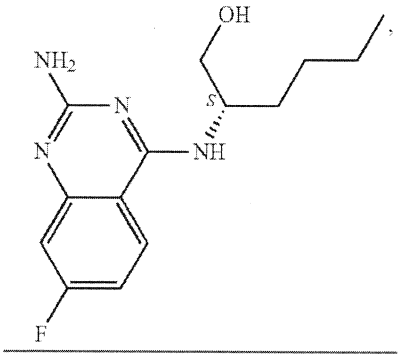


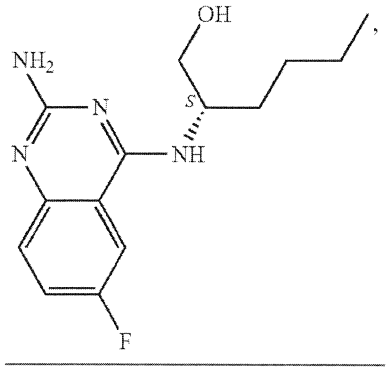


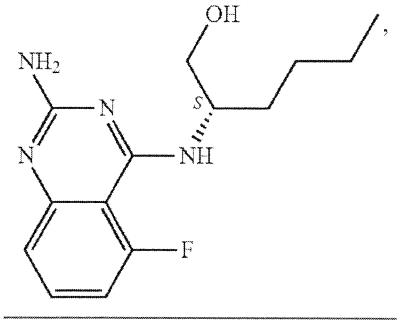


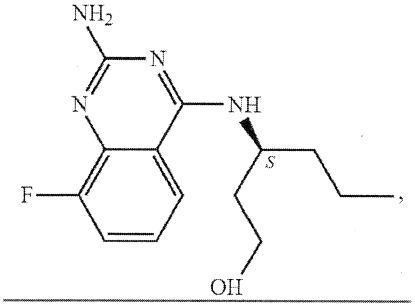


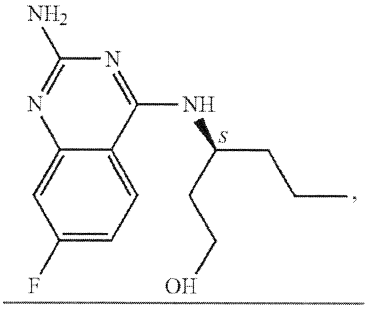


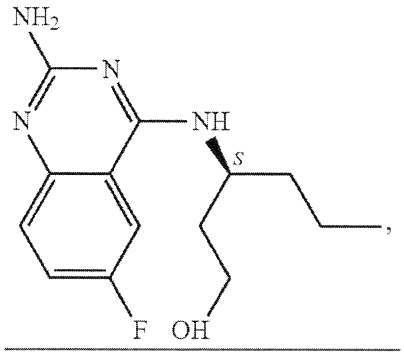


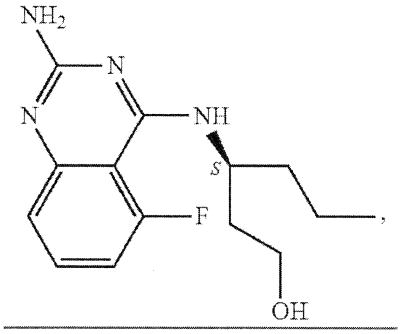


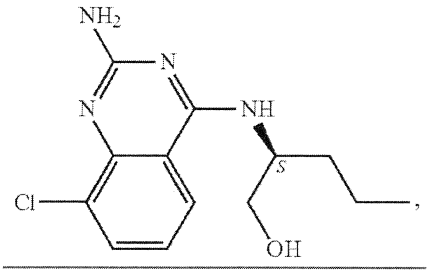


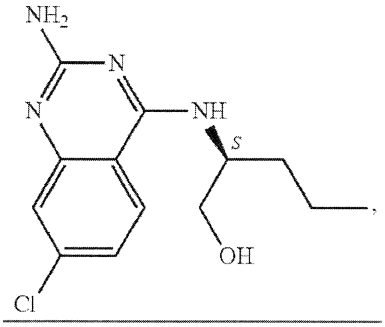


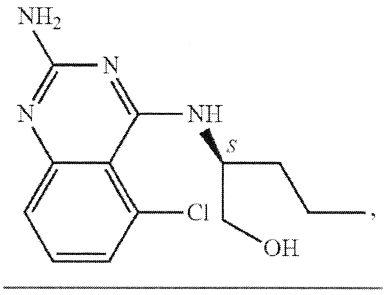


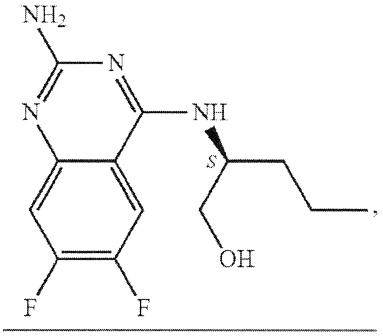


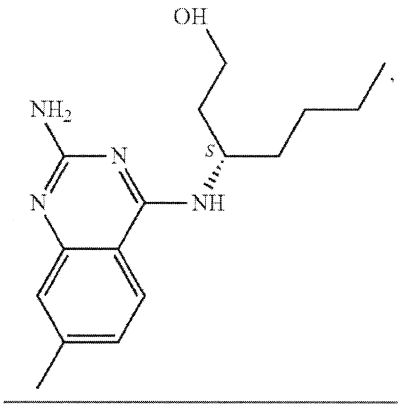


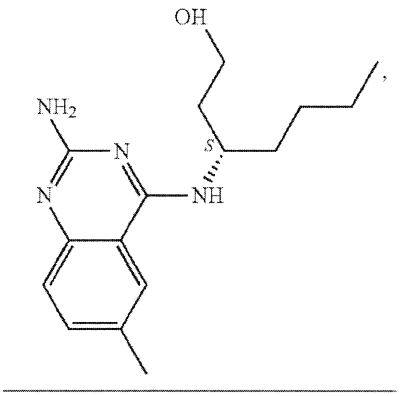


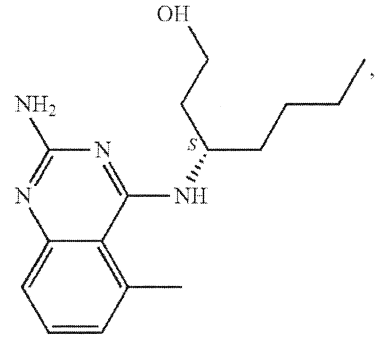


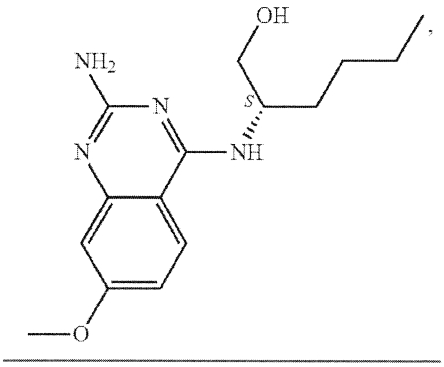


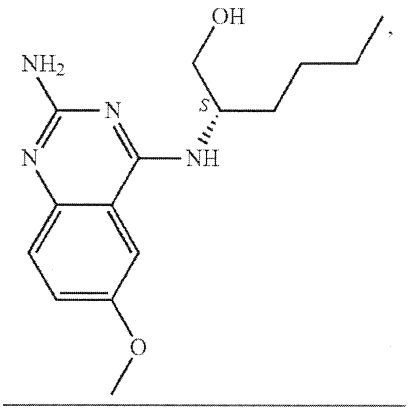


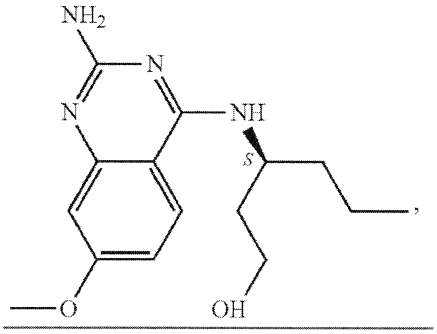


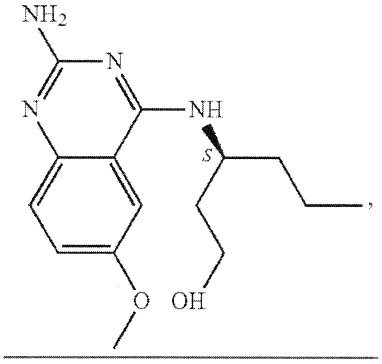


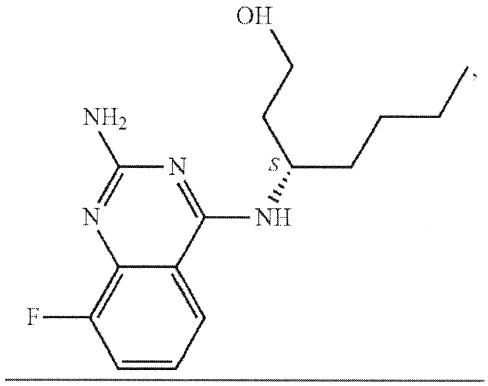


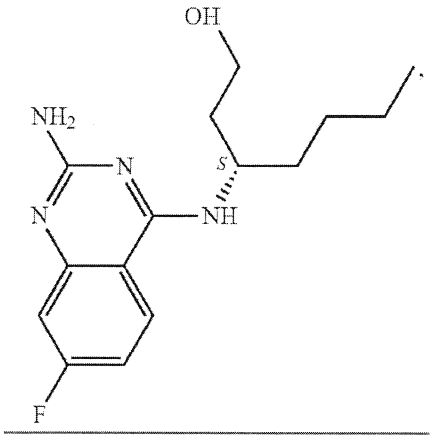


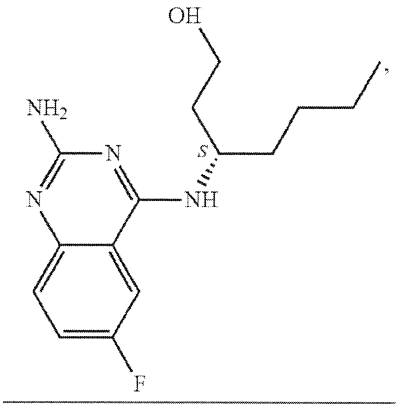


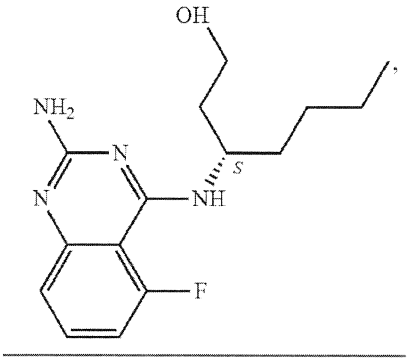


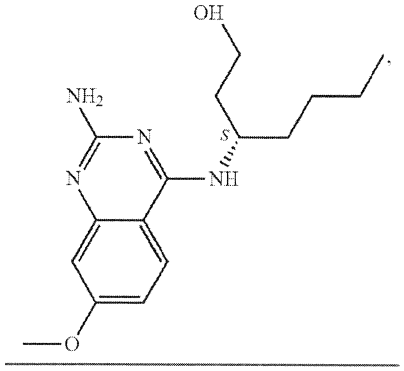


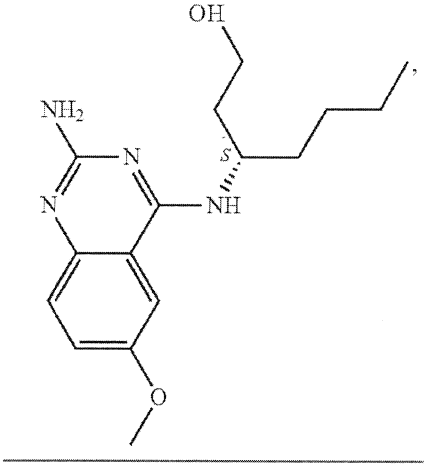






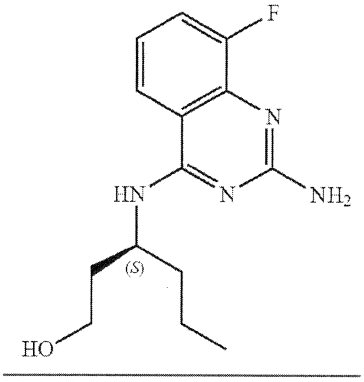






and a pharmaceutically acceptable salt thereof.

4. A compound of claim 1 having the structure:



or a pharmaceutically acceptable salt thereof.

5. A pharmaceutical composition comprising a compound of claim 1 or a pharmaceutically acceptable salt thereof and one or more pharmaceutically acceptable excipients, diluents or carriers.