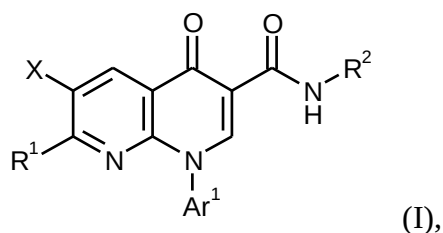


CLAIMS

1. A compound of formula (I)



wherein

X is halogen;

R¹ is hydrogen,

or

is -NR⁴R⁵,

wherein

R⁴ is hydrogen, methyl, (C₂-C₄)-alkyl or (C₃-C₆)-cycloalkyl,

wherein (C₂-C₄)-alkyl is optionally substituted by hydroxyl or up to trisubstituted by fluorine;

and

R⁵ is (C₁-C₆)-alkyl, (C₃-C₆)-cycloalkyl, 3- to 6-membered saturated heterocyclyl or (C₁-C₄)-alkylsulfonfyl,

wherein (C₁-C₆)-alkyl, (C₃-C₆)-cycloalkyl or 3- to 6-membered saturated heterocyclyl is optionally up to trisubstituted, identically or differently, by methyl, difluoromethyl, trifluoromethyl, hydroxyl, hydroxycarbonyl, oxo, methoxy, difluoromethoxy, trifluoromethoxy or cyano, and additionally up to tetrasubstituted by fluorine;

or

R⁴ and R⁵ together with the nitrogen atom to which they are bonded form a saturated or partially unsaturated, 3- to 6-membered monocyclic or 6- to 10-membered bicyclic heterocycle which optionally contains one or two

further, identical or different heteroatoms selected from the group consisting of N, O, S, SO and SO₂ as ring members,

wherein the 3- to 6-membered monocyclic or the 6- to 10-membered bicyclic heterocycle is optionally substituted by 1 to 5 substituents independently selected from the group of (C₁-C₄)-alkyl, difluoromethyl, trifluoromethyl, hydroxy, hydroxycarbonyl, oxo, (C₁-C₃)-alkoxy, difluoromethoxy, trifluoromethoxy, cyano, (C₁-C₃)-alkoxycarbonyl, aminocarbonyl, mono-(C₁-C₃)-alkylaminocarbonyloxy, -NHC(=O)R^{14A}, -CH₂NHC(=O)R^{14B}, -OC(=O)R¹⁵, and additionally up to tetrasubstituted by fluorine,

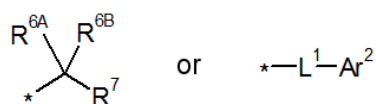
wherein (C₁-C₄)-alkyl is optionally mono- or disubstituted, identically or differently, by hydroxyl or (C₁-C₃)-alkoxy, and up to tetrasubstituted by fluorine,

R^{14A} and R^{14B} are independently (C₁-C₃)-alkyl or cyclopropyl,

and wherein

R¹⁵ is (C₁-C₄)-alkyl;

R² is a group of formula



wherein

* marks the point of attachment to the nitrogen atom of the amide moiety,

R^{6A} is hydrogen or (C₁-C₄)-alkyl,

R^{6B} is hydrogen, (C₁-C₄)-alkyl, cyclopropyl, monofluoromethyl, difluoromethyl, trifluoromethyl, methoxymethyl or trifluoromethoxymethyl, and

R⁷ is (C₁-C₆)-alkyl or (C₃-C₅)-cycloalkyl which is up to tetrasubstituted by fluorine,

wherein (C₁-C₆)-alkyl is optionally substituted by amino, hydroxy, or (C₁-C₆)-alkoxy and up to pentasubstituted by fluorine,

wherein (C₁-C₆)-alkoxy may be up to pentasubstituted by fluorine;

L¹ is a bond or a group of formula –C(R^{8A}R^{8B})–(C(R^{9A}R^{9B}))_m–,

wherein

m is 0 or 1,

R^{8A} is hydrogen or methyl,

R^{8B} is hydrogen, methyl, trifluoromethyl, pentafluoroethyl or trifluoromethoxymethyl,

R^{9A} and R^{9B} are independently hydrogen or methyl;

Ar² is phenyl,

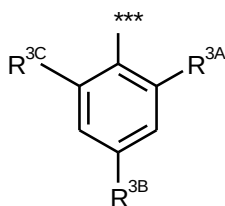
wherein phenyl is optionally mono- to trisubstituted, identically or differently, by fluorine, chlorine, (C₁-C₃)-alkyl, difluoromethoxymethyl, trifluoromethoxymethyl or trifluoromethyl;

or

Ar² is a 5- to 10-membered monocyclic, bicyclic or tricyclic carbocycle or heterocycle which optionally contains one or two further identical or different heteroatoms selected from the group consisting of N and O as ring members,

wherein the 5- to 10-membered monocyclic, bicyclic or tricyclic carbocycle or heterocycle may be up to trisubstituted by identical or different substituents selected from the group consisting of (C₁-C₃)-alkyl, trifluoromethyl and (C₁-C₄)-alkoxycarbonyl and furthermore up to tetrasubstituted by fluorine;

Ar¹ is a group of formula



wherein

*** marks the point of attachment to the nitrogen atom,

R^{3A} is fluorine, chlorine, trifluoromethyl or methyl,

R^{3B} is hydrogen or fluorine,

and

R^{3C} is hydrogen, fluorine, chlorine or methyl;

or

Ar¹ is a pyridine ring which is attached via a ring carbon atom,

wherein the pyridine ring is optionally mono- or disubstituted by fluorine, chlorine, cyano, methyl or trifluoromethyl,

or a salt thereof.

2. The compound of formula (I) according to claim 1,

wherein

X is fluorine, chlorine or bromine;

R¹ is hydrogen,

or

is NR⁴R⁵,

wherein

R⁴ is hydrogen, methyl or ethyl, and

R⁵ is (C₁-C₃)-alkyl which is up to tetrasubstituted by fluorine,

wherein (C₁-C₃)-alkyl may be substituted by hydroxyl;

or

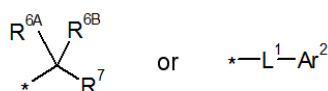
R⁴ and R⁵ together with the nitrogen atom to which they are attached form a saturated 4- to 6-membered monocyclic or 6- to 9-membered bicyclic heterocycle which may contain one or two further identical or different heteroatoms selected from the group consisting of N and O as ring members,

wherein the 4- to 6-membered monocyclic or the 6- to 9-membered bicyclic heterocycle is optionally substituted by 1 to 4 substituents independently of one another selected from the group consisting of (C₁-C₄)-alkyl, difluoromethyl, trifluoromethyl, hydroxy, oxo, (C₁-C₃)-alkoxy, difluoromethoxy, trifluoromethoxy, (C₁-C₃)-alkoxycarbonyl, (C₁-C₃)-alkylaminocarbonyloxy and -OC(=O)R¹⁵ and furthermore up to tetrasubstituted by fluorine,

wherein (C₁-C₄)-alkyl is optionally mono- or disubstituted by identical or different substituents selected from the group consisting of hydroxy and (C₁-C₃)-alkoxy, and up to tetrasubstituted by fluorine, and wherein

R¹⁵ is (C₁-C₄)-alkyl;

R² is a group of formula



wherein

* marks the point of attachment to the nitrogen atom of the amide moiety,

R^{6A} is hydrogen or (C₁-C₄)-alkyl,

R^{6B} is methyl, ethyl, isopropyl, cyclopropyl, monofluoromethyl, difluoromethyl or trifluoromethyl, and

R⁷ is (C₁-C₄)-alkyl which is up to pentasubstituted by fluorine, (C₃-C₅)-cycloalkyl which is up to tetrasubstituted by fluorine, methoxymethyl or trifluoromethoxymethyl;

L¹ is a bond or a group of formula -CR^{8A}R^{8B}-,

wherein

R^{8A} is hydrogen,

R^{8B} is hydrogen, methyl, trifluoromethyl, pentafluoroethyl or trifluoromethoxymethyl;

Ar² is phenyl,

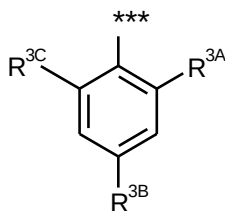
wherein phenyl is optionally mono- to trisubstituted by identical or different substituents from the group consisting of fluorine and chlorine,

or

Ar² is a 5- to 7-membered bicyclic carbocycle or 5- or 6-membered monocyclic heterocycle which contains one nitrogen atom as ring member,

wherein the 5- to 7-membered bicyclic carbocycle or the 5- or 6-membered monocyclic heterocycle is optionally substituted by (C₁-C₄)-alkoxycarbonyl and additionally up to tetrasubstituted by fluorine,

Ar¹ is a group of formula



wherein

*** marks the point of attachment to the nitrogen atom,

R^{3A} is fluorine, chlorine, trifluoromethyl or methyl,

R^{3B} is hydrogen or fluorine,

and

R^{3C} is hydrogen, fluorine, chlorine or methyl,

or

Ar¹ is a pyridine ring which is attached via a ring carbon atom,

wherein the pyridine ring is optionally mono- or disubstituted by fluorine, chlorine or cyano,

or a salt thereof.

3. The compound of formula (I) according to claim 1,

wherein

X is fluorine, chlorine or bromine;

R¹ is NR⁴R⁵,

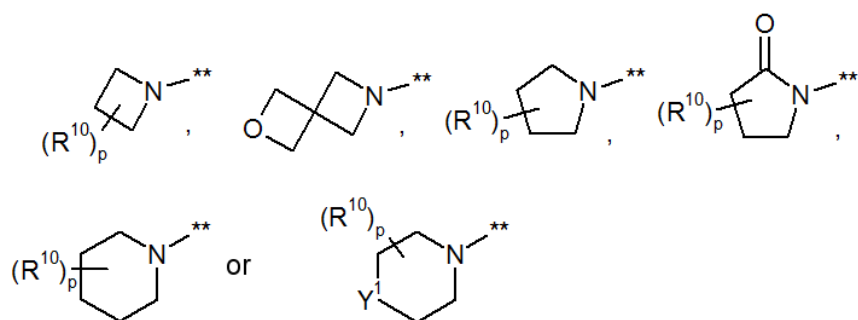
wherein

R⁴ is methyl or ethyl, and

R⁵ is methyl, 2-hydroxyethyl or 2-hydroxypropyl,

or

is a heterocycle, attached via a nitrogen atom, of formula



wherein

** marks the point of attachment to the remainder of the molecule;

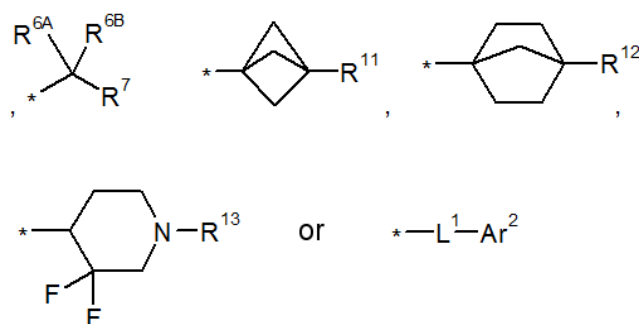
R¹⁰ is fluorine, methyl, hydroxy, hydroxymethyl, methoxycarbonyl or acetyloxy;

p is the number 0, 1 or 2,

wherein, in the case that the substituents R¹⁰ occur more than once, their meanings may in each case be identical or different,

Y¹ is –NH–, –N(CH₃)– or –O–;

R² is a group of formula



wherein

* marks the point of attachment to the nitrogen atom of the amide moiety;

R^{6A} is hydrogen, methyl or ethyl;

R^{6B} is methyl, ethyl, trifluoromethyl, isopropyl or cyclopropyl; and

R^7 is methyl, ethyl, difluoromethyl, trifluoromethyl, 2,2,2-trifluoroethyl, pentafluoroethyl, isopropyl, isobutyl, methoxymethyl, trifluoromethoxymethyl or cyclopropyl;

R^{11} is hydrogen;

R^{12} is methoxycarbonyl;

R^{13} is hydrogen or tert-butoxycarbonyl;

L^1 is a bond or a group of the formula $-CR^{8A}R^{8B}-$,

wherein

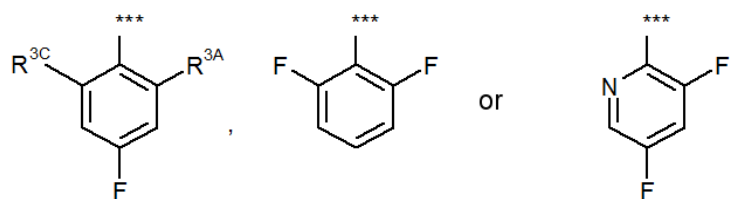
R^{8A} is hydrogen, and

R^{8B} is hydrogen, methyl or trifluoromethyl;

Ar^2 is phenyl,

wherein phenyl is optionally mono- to disubstituted by identical or different substituents selected from the group consisting of fluorine and chlorine;

Ar^1 is a group of formula



wherein

*** marks the point of attachment to the nitrogen atom;

R^{3A} is fluorine or chlorine;

and

R^{3C} is hydrogen or fluorine,

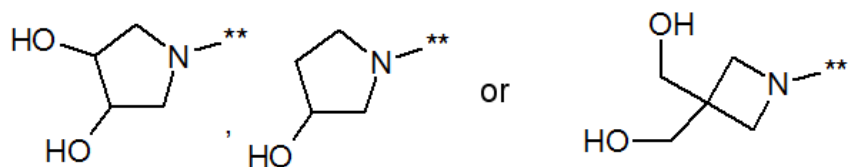
or a salt thereof.

4. The compound of formula (I) according to claim 1,

wherein

X is fluorine;

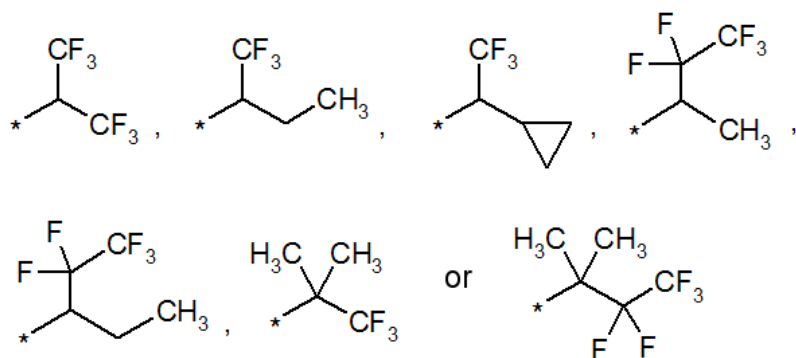
R¹ is a heterocycle, attached via a nitrogen atom, of formula



wherein

** marks the point of attachment to the remainder of the molecule;

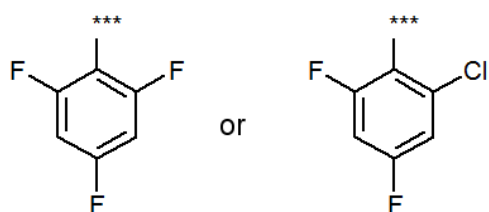
R² is a group of formula



wherein

* marks the point of attachment to the nitrogen atom of the amide moiety;
and

Ar^1 is a group of formula



wherein

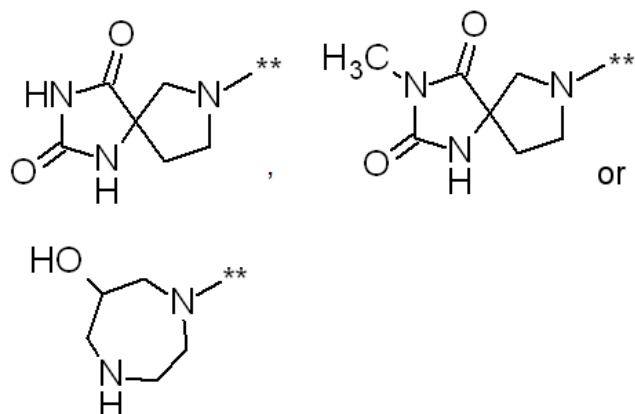
*** marks the point of attachment to the nitrogen atom,
or a salt thereof.

5. The compound of formula (I) according to claim 1,

wherein

X is fluorine,

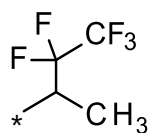
R^1 is a heterocycle, attached via a nitrogen atom, of formula



wherein

** marks the point of attachment to the remainder of the molecule;

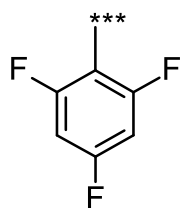
R² is a group of formula



wherein

* marks the point of attachment to the nitrogen atom of the amide moiety; and

Ar¹ is a group of formula



wherein

*** marks the point of attachment to the nitrogen atom,

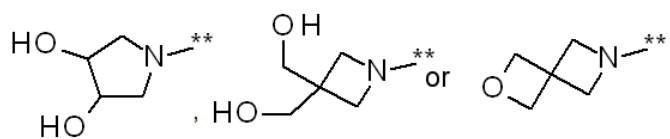
or a salt thereof.

6. The compound of formula (I) according to claim 1,

wherein

X is fluorine;

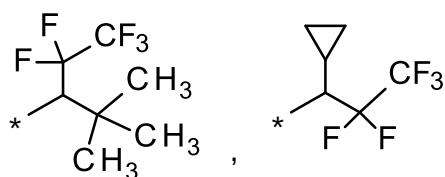
R¹ is a heterocycle, attached via a nitrogen atom, of formula



wherein

** marks the point of attachment to the remainder of the molecule;

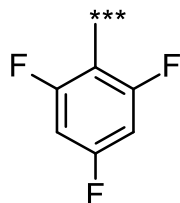
R² is a group of formula



wherein

* marks the point of attachment to the nitrogen atom of the amide moiety; and

Ar¹ is a group of formula

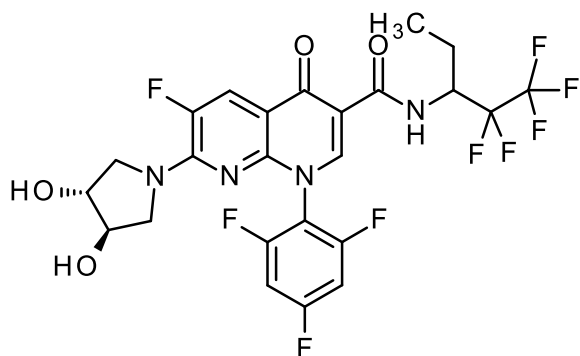


wherein

*** marks the point of attachment to the nitrogen atom,

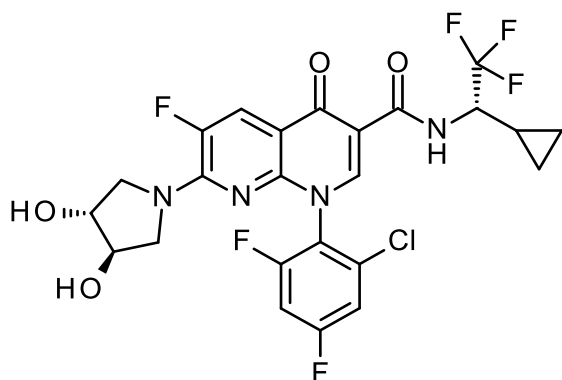
or a salt thereof.

7. The compound of claim 1, wherein the compound is



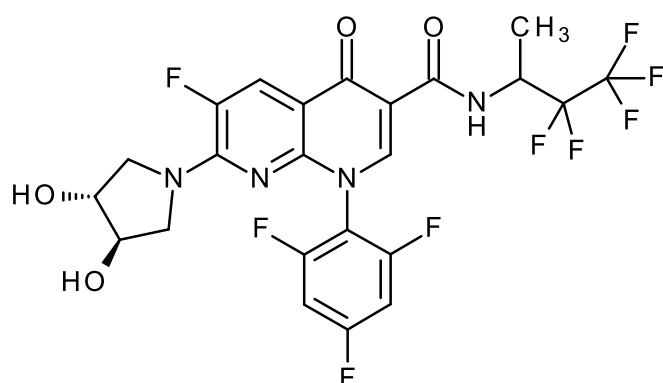
or a salt thereof.

8. The compound of claim 1, wherein the compound is



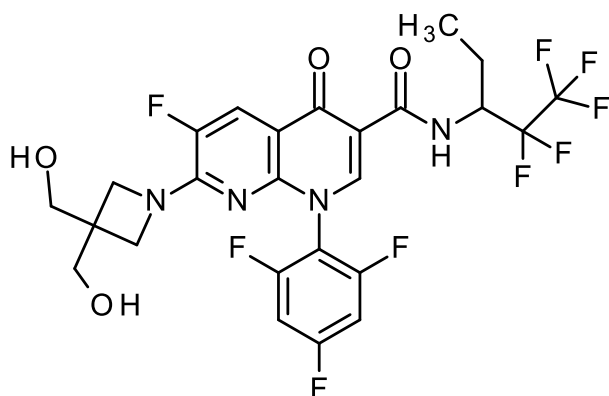
or a salt thereof.

9. The compound of claim 1, wherein the compound is



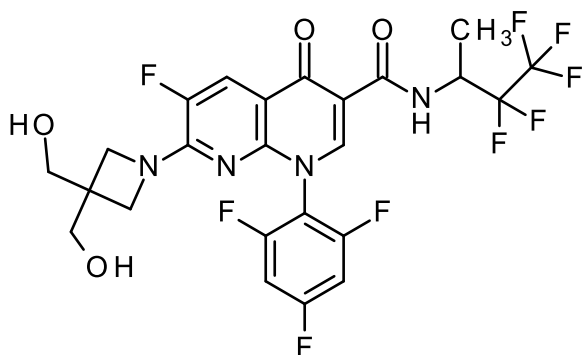
or a salt thereof.

10. The compound of claim 1, wherein the compound is



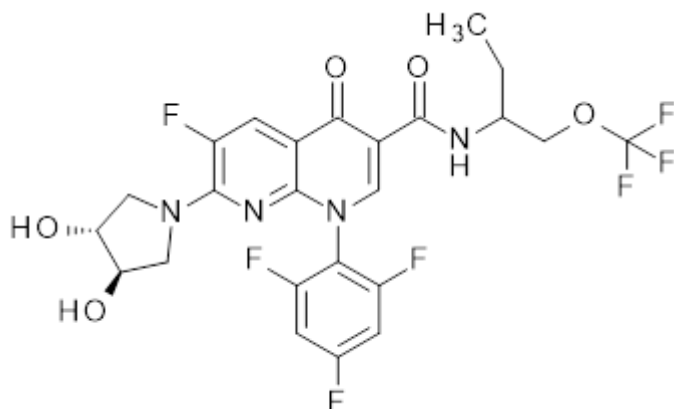
or a salt thereof.

11. The compound of claim 1, wherein the compound is



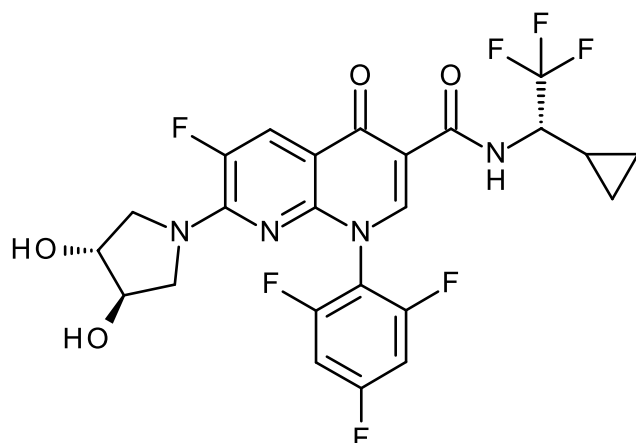
or a salt thereof.

12. The compound of claim 1, wherein the compound is



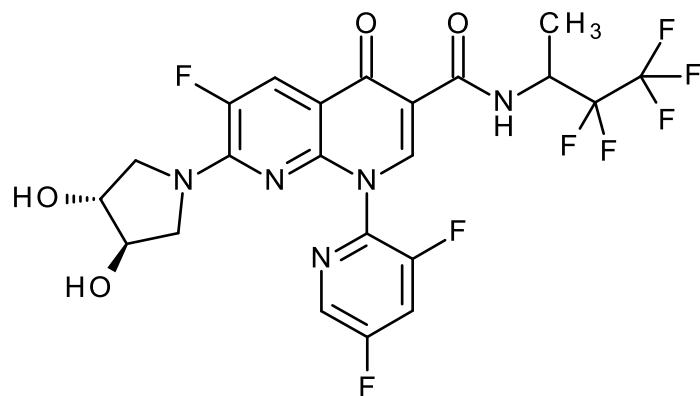
or a salt thereof.

13. The compound of claim 1, wherein the compound is



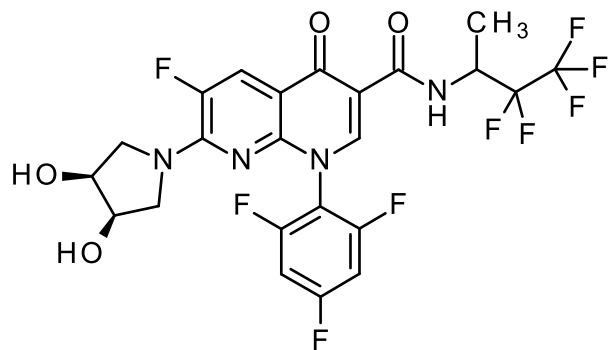
or a salt thereof.

14. The compound of claim 1, wherein the compound is



or a salt thereof.

15. The compound of claim 1, wherein the compound is



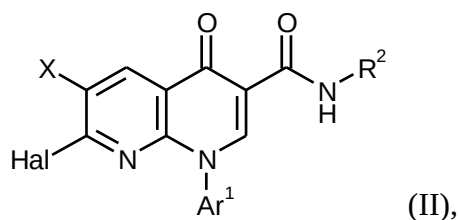
or a salt thereof.

16. A pharmaceutical combination comprising a compound as defined in claim 1 in combination with one or more further active ingredients selected from the group consisting of active hypotensive ingredients, active antiarrhythmic ingredients, vasopressin receptor antagonists, PDE 5 inhibitors, platelet aggregation inhibitors, sGC activators and sGC stimulators.

17. A pharmaceutical composition comprising a compound as defined in claim 1 in combination with an inert, non-toxic, pharmaceutically suitable excipient.

18. A process for preparing the compound of formula (I) as defined in claim 1, comprising

[A] reacting a compound of formula (II)

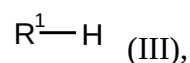


wherein X, R² and Ar¹ are as defined in claim 1 for the compound of formula (I),

and

Hal is fluorine, chlorine, bromine or iodine,

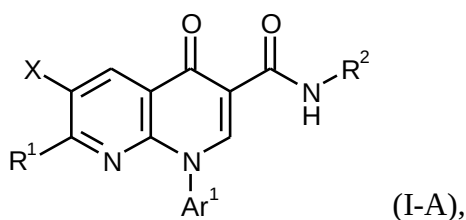
with a compound of formula (III)



wherein R¹ is as defined in claim 1 for the compound of formula (I), and

wherein R¹ is not hydrogen,

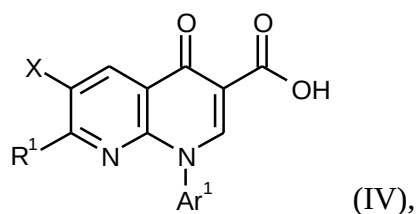
to give the carboxamide of formula (I-A)



wherein X, R¹, R² and Ar¹ are as defined in claim 1 for the compound of formula (I), and wherein R¹ is not hydrogen;

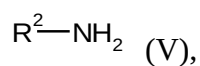
or

[B] reacting a compound of formula (IV)



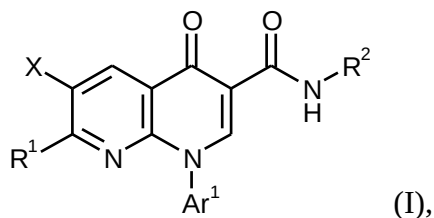
wherein X, R¹ and Ar¹ are as defined in claim 1 for the compound of formula (I),

with a compound of formula (V)



wherein R² is as defined in claim 1 for the compound of formula (I),

to give the carboxamide of formula (I)



wherein R¹, R² and Ar¹ are as defined in claim 1 for the compound of formula (I),

and, optionally further separating the compound of formula (I) into its enantiomers and/or diastereomers and/or converting the compound of formula (I) with the appropriate base or acid to a salt thereof.

19. The process of claim 18, wherein Hal represents chlorine.