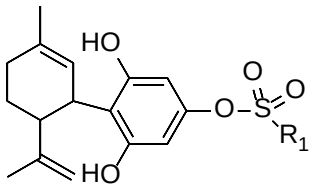
WHAT IS CLAIMED IS:

1. A compound of Formula (I):



(I)

R_1 represents a hydrogen atom, -OR^c, -NR^c_2, fluoro-substituted-(C_1-C_{20})-alkyl, a (C_1-C_{20})-alkyl group, a (C_2-C_{20})-alkenyl group, a (C_2-C_{20})-alkynyl group, a (C_3-C_{20})-cycloalkyl group, a (C_6-C_{14})-aryl group, or a (C_5-C_{14})-heteroaryl group, wherein the latter 6 groups are each optionally substituted with one or more halogen atoms, -(C_1-C_{20})-alkyl, a (C_2-C_{20})-alkenyl group, a (C_2-C_{20})-alkynyl group, -OR^d, or –NR^d_2, wherein R^c and R^d are independently or simultaneously hydrogen, (C_1-C_{20})-alkyl, (C_2-C_{20})-alkenyl, or (C_2-C_{20})-alkynyl;

and any stereoisomers or acceptable salts thereof.

2. The compound of Formula (I) of claim 1, wherein R_1 represents a hydrogen atom, fluoro-substituted-(C_1-C_{20})-alkyl, a (C_1-C_{20})-alkyl group, a (C_2-C_{20})-alkenyl group, a (C_2-C_{20})-alkynyl group, a (C_3-C_{20})-cycloalkyl group, a (C_6-C_{14})-aryl group, a (C_5-C_{14})-heteroaryl group, wherein the latter 6 groups are each optionally substituted with one or more halogen atoms, a -(C_1-C_{20})-alkyl group, a (C_2-C_{20})-alkenyl group, a (C_2-C_{20})-alkynyl group, -OR^d, or –NR^d_2, wherein R^c and R^d are independently or simultaneously hydrogen, (C_1-C_{20})-alkyl, (C_2-C_{20})-alkenyl, or (C_2-C_{20})-alkynyl.

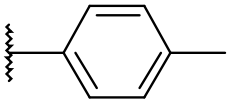
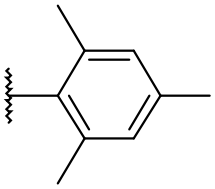
3. The compound of Formula (I) of claim 1 or 2, wherein R_1 represents a hydrogen atom, fluoro-substituted-(C_1-C_{10})-alkyl, a (C_1-C_{10})-alkyl group, a (C_2-C_{10})-alkenyl group, a (C_2-C_{10})-alkynyl group, a (C_3-C_{10})-cycloalkyl group, a (C_6-C_{10})-aryl group, a (C_5-C_{10})-heteroaryl group, wherein the latter 6 groups are each optionally

substituted with one or more halogen atoms (F, Cl, Br or I), -(C_1-C_{20})-alkyl, a (C_2-C_{20})-alkenyl group,or a (C_2-C_{20})-alkynyl group.

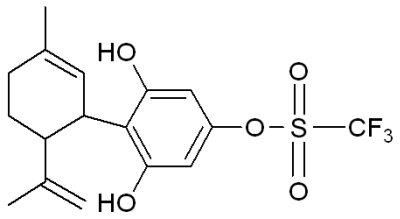
4. The compound of Formula (I) of any one of claims 1 to 3, wherein R_1 represents a hydrogen atom, fluoro-substituted-(C_1-C_6)-alkyl, a (C_1-C_6)-alkyl group, a (C_2-C_6)-alkenyl group, a (C_2-C_6)-alkynyl group, a (C_3-C_6)-cycloalkyl group, a (C_6)-aryl group, a (C_5-C_6)-heteroaryl group, wherein the latter 6 groups are each optionally substituted with one or more halogen atoms, or -(C_1-C_{20})-alkyl.

5. The compound of Formula (I) of any one of claims 1 to 4, wherein R_1 represents a hydrogen atom, fluoro-substituted-(C_1-C_6)-alkyl, a (C_1-C_6)-alkyl group, or a phenyl group, wherein the latter 2 groups are each optionally substituted with one or more halogen atoms, or -(C_1-C_{10})-alkyl.

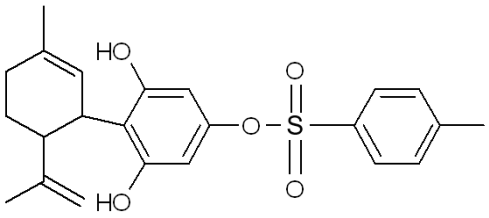
6. The compound of Formula (I) of claim 5, wherein the one or more halogen atoms is F, Cl, Br or I.

7. The compound of Formula (I) of any one of claims 1 to 6, wherein R_1 represents a hydrogen atom, -CF_3,  or .

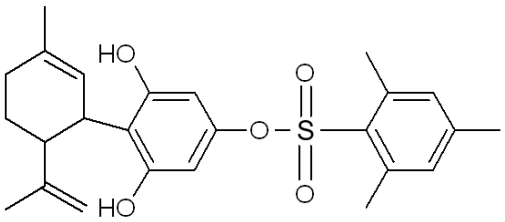
8. The compound of Formula (I) of any one of claims 1 to 7, wherein the compound of Formula (I) is



,

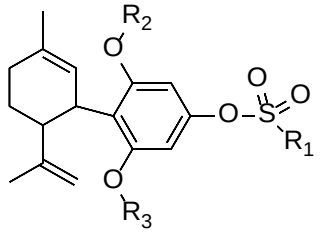


or



.

9. A compound of Formula (II):



(II)

wherein R_1 is as defined in any one of claims 1 to 8;

R_2 and R_3 independently or simultaneously represent a (C_1-C_{20})-alkyl group, a (C_2-C_{20})-alkenyl group, a (C_2-C_{20})-alkynyl group, a (C_3-C_{20})-cycloalkyl group, a –Si[(C_1-C_{20})-alkyl]$_3$ group, a (C_6-C_{14})-aryl group, or a (C_5-C_{14})-heteroaryl group, or an acyl group –C(=O)-R', wherein R' is a (C_1-C_{20})-alkyl group, wherein each group is each optionally substituted with one or more halogen atoms (F, Cl, Br or I), a -(C_1-C_{20})-alkyl group, a (C_2-C_{20})-alkenyl group, a (C_2-C_{20})-alkynyl group, -OR^d, or –NR^d_2, wherein R^d is hydrogen, (C_1-C_{20})-alkyl, (C_2-C_{20})-alkenyl, or (C_2-C_{20})-alkynyl, and

wherein one or more of the carbon atoms in the alkyl, alkenyl, alkynyl, cycloalkyl, aryl, heteroaryl or acyl groups of R_2 and/or R_3 is optionally replaced with a heteroatom selected from the group consisting of O, S, N, P and Si, which, where possible, is optionally substituted with one or more halogen, or a -(C_1-C_{20})-alkyl groups;

and any stereoisomers or acceptable salts thereof.

10. The compound of Formula (II) of claim 9, wherein the one or more halogen is F, Cl, Br or I.

11. The compound of Formula (II) of claim 9, wherein R_2 and R_3 independently or simultaneously represent a (C_1-C_{10})-alkyl group, a (C_2-C_{10})-alkenyl group, a (C_2-C_{10})-alkynyl group, a (C_3-C_{10})-cycloalkyl group, a –Si[(C_1-C_{10})-alkyl]$_3$ group, a (C_6-C_{10})-aryl group, or a (C_5-C_{10})-heteroaryl group, or an acyl group –C(=O)-R', wherein R' is a (C_1-C_{10})-alkyl group, wherein each group is each optionally substituted with one or more halogen atoms (F, Cl, Br or I), a -(C_1-C_{10})-alkyl group, a (C_2-C_{10})-alkenyl group, a (C_2-C_{10})-alkynyl group, -OR^d, or –NR^d_2, wherein R^d is hydrogen, (C_1-C_{10})-alkyl, (C_2-C_{10})-alkenyl, or (C_2-C_{10})-alkynyl, and
wherein one or more of the carbon atoms in the alkyl, alkenyl, alkynyl, cycloalkyl, aryl, heteroaryl or acyl groups of R_2 and/or R_3 is optionally replaced with a heteroatom selected from the group consisting of O, S, N, P and Si, which, where possible, is optionally substituted with one or more halogen, or a -(C_1-C_{10})-alkyl groups.

12. The compound of Formula (II) of claim 11, wherein with one or more halogen is F, Cl, Br or I.

13. The compound of Formula (II) of claim 9 or 11, wherein R_2 and R_3 independently or simultaneously represent a (C_1-C_6)-alkyl group, a (C_2-C_6)-alkenyl group, a (C_2-C_6)-alkynyl group, a (C_3-C_6)-cycloalkyl group, a –Si[(C_1-C_6)-alkyl]$_3$ group, a phenyl group, or a (C_5-C_6)-heteroaryl group, or an acyl group –C(=O)-R', wherein R' is a (C_1-C_6)-alkyl group, wherein each group is each optionally substituted with one or more halogen atoms (F, Cl, Br or I), a -(C_1-C_6)-alkyl group, a (C_2-C_6)-alkenyl group, a (C_2-C_6)-alkynyl group, -OR^d, or –NR^d_2, wherein R^d is hydrogen, (C_1-C_6)-alkyl, (C_2-C_6)-alkenyl, or (C_2-C_6)-alkynyl, and
wherein one or more of the carbon atoms in the alkyl, alkenyl, alkynyl, cycloalkyl, aryl, heteroaryl or acyl groups of R_2 and/or R_3 is optionally replaced with a heteroatom selected from the group consisting of O, S, N, P and Si, which, where possible, is optionally substituted with one or more halogen, or a -(C_1-C_6)-alkyl groups.

14. The compound of Formula (II) of claim 13, wherein with one or more halogen is F, Cl, Br or I.

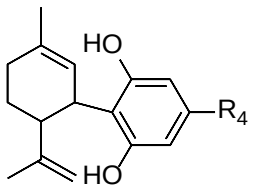
15. The compound of Formula (II) of any one of claims 9 to 14, wherein R_2 and R_3 independently or simultaneously represent a $(C_1\text{-}C_6)$-alkyl group, a $–Si[(C_1\text{-}C_6)\text{-alkyl}]_3$ group, or a phenyl group.

16. The compound of Formula (II) of any one of claims 9 to 15, wherein R_2 and R_3 independently or simultaneously represent a $–Si[(C_1\text{-}C_6)\text{-alkyl}]_3$ group.

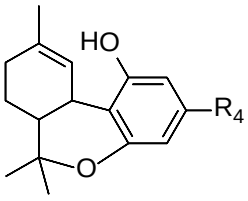
17. The compound of Formula (II) of any one of claims 9 to 16, wherein R_2 and R_3 independently or simultaneously represent a $–Si[(C_1\text{-}C_3)\text{-alkyl}]_3$ group.

18. The compound of Formula (II) of any one of claims 9 to 17, wherein R_2 and R_3 represent a $–Si(CH_3)_3$ group.

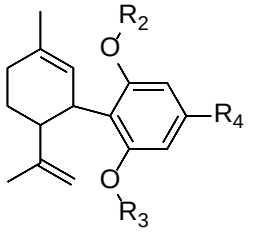
19. A process for the preparation of compounds of Formula (III), Formula (IV), Formula (V) or Formula (VI):



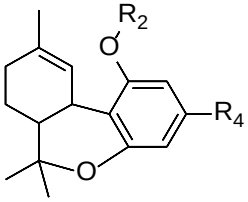
(III)



(IV)



(V)



(VI)

wherein R_2 and R_3 are as defined in any one of claims 1 to 18,

the process comprising reacting a compound of Formula (I) or Formula (II) with:

(i) a boron containing compound such as R_4-$B(OH)_2$, R_4-$B(OR)_2$ or R_4-BF_3K, where R is H, a (C_1-C_{20})-alkyl group, a (C_2-C_{20})-alkenyl group, a (C_2-C_{20})-alkynyl group, a (C_3-C_{20})-cycloalkyl group, or a (C_6-C_{14})-aryl group;

(ii) a Grignard compound such as R_4-MgX; or

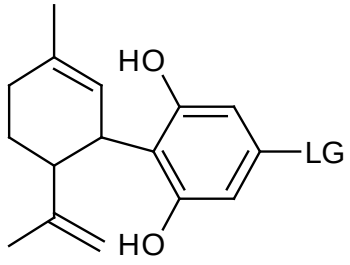
(iii) a zinc compound such as R_4-ZnX.

wherein X is a halogen atom;

R_4 represents a hydrogen atom, a (C_1-C_{20})-alkyl group, a (C_2-C_{20})-alkenyl group, a (C_2-C_{20})-alkynyl group, a (C_3-C_{20})-cycloalkyl group, a (C_6-C_{14})-aryl group, wherein the latter 5 groups are each optionally substituted with one or more halogen atoms (F, Cl, Br or I), -(C_1-C_{20})-alkyl, a (C_2-C_{20})-alkenyl group, a (C_2-C_{20})-alkynyl group, (C_6-C_{14})-aryl group, -OR^d, or –NR^d_2, wherein R^d is hydrogen, (C_1-C_{20})-alkyl, (C_2-C_{20})-alkenyl, or (C_2-C_{20})-alkynyl.

20. The process of claim 19, wherein a compound of Formula (III), Formula (IV), Formula (V) or Formula (VI) is a pure isomer or a mixture of isomers.

21. A compound of Formula (IA)



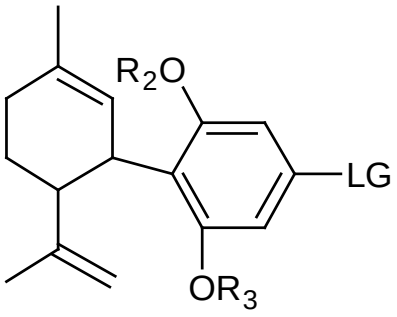
(IA),

wherein LG is a leaving group.

22. The compound of Formula (IA) of claim 21, wherein the leaving group is a sulphonate, halide, or boronate group.

23. The compound of Formula (IA) of claim 21, wherein the leaving group is a triflate group, tosylate group or mesylate group.

24. A compound of Formula (IIA)



(IIA),

wherein LG is a leaving group;

and R_2 and R_3 are as defined in any one of claims 9 to 19.

25. The compound of Formula (IIA) of claim 24, wherein LG is

(i) an anionic group such as sulphonates, halides or boronates;

(ii) MX_n wherein M is Li, Mg, Zn, Sn, B, or Si; X is halo, OH, -OR, alkyl, aryl and n is 0 to 3.