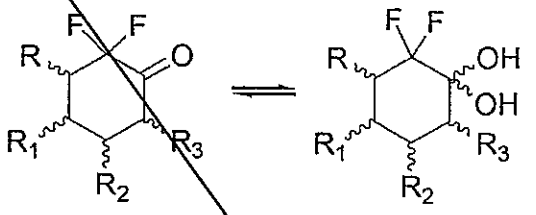


(II),

wherein R, R_1, R_2, R_3, X_1, U, V, W, n, m and p are as defined in claim 1.

18. A process for preparing a compound according to any one of claims 1 to 12 for which n = 0 and $R_4 \neq H$ comprising the coupling of a compound of formula (VIII) as defined in claim 20 and a compound of the following formula (XI)



(XI)

wherein R, R_1, R_2, and R_3 are as defined in claim 1,

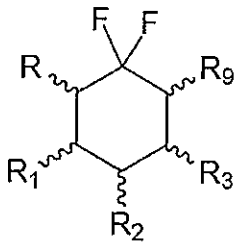
to give a compound of formula (I) according to claim 1 for which n = 0 and R_4 = OH, followed optionally by the substitution of the OH function to give a compound of formula (I) according to claim 1 for which n = 0 and R_4 = halogen, $OSiR^jR^kR^l$, OR^{21}, $OCOR^{21}$, OCO_2R^{21}, or $OCONR^{22}R^{23}$.

19. A process for preparing a compound according to any one of claims 1 to 12 for which R_4 = H comprising the following steps:

(a4) bromination of a compound of formula (I) with R_4 = OH to give a compound of formula (I) with R_4 = Br, and

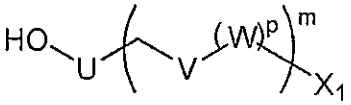
(b4) reduction of the compound of formula (I) with R_4=Br obtained in previous step (a4) to give a compound of formula (I) with R_4 = H.

20. A process for preparing a compound according to any one of claims 1 to 12 for which comprising a coupling reaction between a compound of the following formula (XVI):



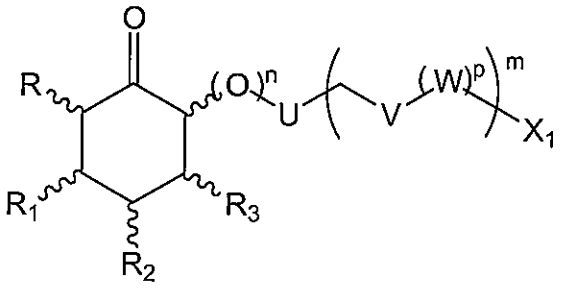
(XVI)

wherein R, R_1, R_2, and R_3 are as defined in claim 1 and R_9 represents a leaving group, with a compound of the following formula (V):



(V),

wherein X_1, U, V, W, m and p are as defined in claim 1.



(II),

wherein R, R_1, R_2, R_3, X_1, U, V, W, n, m and p are as defined in claim 1.

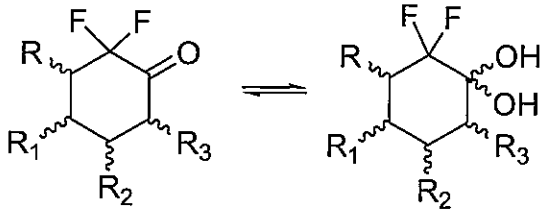
18. A process for preparing a compound according to any one of claims 1 to 12 for which n = 0 and $R_4 \neq H$ comprising the coupling of a compound of the following formula (VIII):



(VIII),

wherein X_1, U, V, W, m and p are as defined in claim 1 and A_1 represents –Li or -Mg-Hal, Hal being a halogen atom,

and a compound of the following formula (XI)



(XI)

wherein R, R_1, R_2, and R_3 are as defined in claim 1,

to give a compound of formula (I) according to claim 1 for which n = 0 and R_4 = OH,

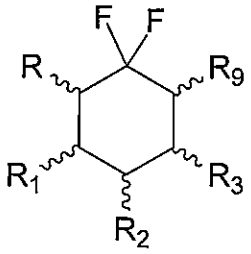
followed optionally by the substitution of the OH function to give a compound of formula (I) according to claim 1 for which n = 0 and R_4 = halogen, $OSiR^jR^kR^l$, OR^{21}, $OCOR^{21}$, OCO_2R^{21}, or $OCONR^{22}R^{23}$.

19. A process for preparing a compound according to any one of claims 1 to 12 for which R_4 = H comprising the following steps:

(a4) bromination of a compound of formula (I) with R_4 = OH to give a compound of formula (I) with R_4 = Br, and

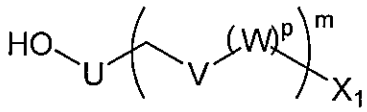
(b4) reduction of the compound of formula (I) with R_4=Br obtained in previous step (a4) to give a compound of formula (I) with R_4 = H.

20. A process for preparing a compound according to any one of claims 1 to 12 for which comprising a coupling reaction between a compound of the following formula (XVI):



(XVI)

wherein R, R_1, R_2, and R_3 are as defined in claim 1 and R_9 represents a leaving group, with a compound of the following formula (V):



(V),

wherein X_1, U, V, W, m and p are as defined in claim 1.