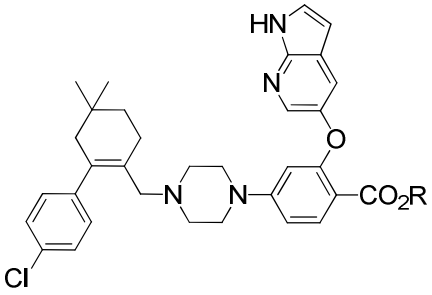
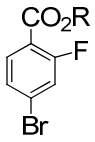


and



wherein R is C_1 to C_{12} alkyl; and processes for their preparation.

[0008a] Also provided herein is a process for the preparation of a compound of formula (C):

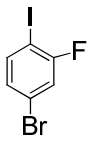


(C)

wherein R is C_1 to C_{12} alkyl,

which comprises:

(a) combining a compound of formula (A):

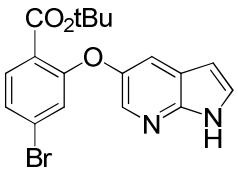


(A)

with R^1MgX in an aprotic organic solvent; wherein R^1 is C_1 to C_6 alkyl and X is Cl, Br or I;

(b) combining a C_1 to C_{12} alkyl chloroformate or a di-(C_1 to C_{12} alkyl)dicarbonate with the product of step (a), to provide the compound of formula (C).

[0008b] Also provided herein is a compound of the formula:



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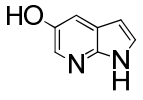
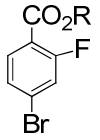
[0008c] Also provided herein is a process for the preparation of a compound as described herein, wherein the process comprises:

(x) combining a compound of formula (B):

 (B);

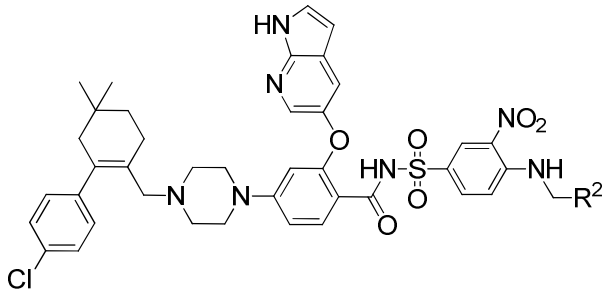
with a compound of formula (C):

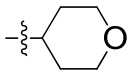
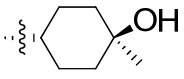
 (C), wherein R is tert-butyl,

and a *tert*-butoxide salt in an organic solvent to provide a compound as described herein.

DETAILED DESCRIPTION

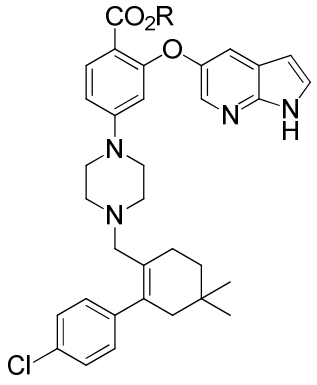
[0009] Provided herein is a process for the preparation of compounds of formula A1:

 (A1),

wherein R^2 is selected from  and ;

which comprises:

(a) combining a compound of formula (K):

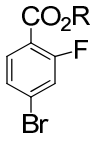
 (K)

wherein R is C_1 to C_{12} alkyl,

with a tert-butoxide salt, an aprotic organic solvent, and water to provide a compound of formula (L):

WHAT IS CLAIMED IS:

1. A process for the preparation of a compound of formula (C):

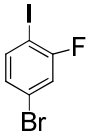


(C)

wherein R is C_1 to C_{12} alkyl,

which comprises:

(a) combining a compound of formula (A):



(A)

with R^1MgX in an aprotic organic solvent; wherein R^1 is C_1 to C_6 alkyl and X is Cl, Br or I;

(b) combining a C_1 to C_{12} alkyl chloroformate or a di-(C_1 to C_{12} alkyl)dicarbonate with the product of step (a), to provide the compound of formula (C).

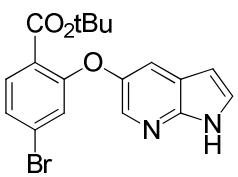
2. The process of claim 1 wherein R is selected from the group consisting of methyl, ethyl, n-propyl, isopropyl, n-butyl, tert-butyl, iso-butyl and neo-butyl.

3. The process of claim 1 wherein R^1 is isopropyl.

4. The process of claim 1 wherein R is ethyl and the C_1 to C_{12} alkyl chloroformate is ethyl chloroformate.

5. The process of claim 1 wherein R is tert-butyl and the di-(C_1 to C_{12} alkyl)dicarbonate is di-tert-butyl dicarbonate.

6. A compound of the formula:



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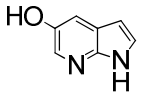
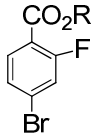
7. A process for the preparation of the compound of claim 6, wherein the process comprises:

(x) combining a compound of formula (B):



(B);

with a compound of formula (C):



(C), wherein R is tert-butyl,

and a *tert*-butoxide salt in an organic solvent to provide the compound of claim 6.