($LiAlH_4$) in tetrahydrofuran, indium in ammonium chloride, and sodium hydride (NaH).

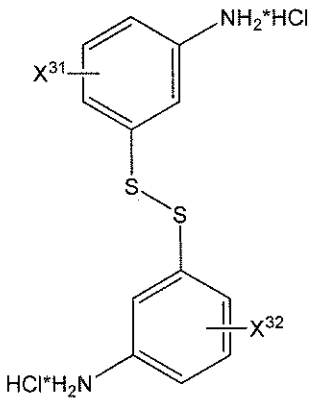
8) The method as defined in any one of Claims 1-7 wherein in said reacting step (c) the compound of Formula III is reacted with [^{18}F]-C_{1-4} fluoroalkyl-LG^2.

9) The method as defined in any one of Claims 1-8 wherein said reducing step (b) and said reacting step (c) are carried out in immediate sequence.

10) The method as defined in any one of Claims 1-9 wherein said reducing step (b) and said reacting step (c) are carried out in the same vessel.

11) The method as defined in any one of Claims 1-10 wherein said method is automated.

12) ~~A~~ The method as defined in any one of Claims 1-11 wherein ~~for the preparation of~~ the compound of Formula III as defined in any one of Claims 1 and 3-6 is prepared by~~, said method comprising~~ reacting a compound of Formula IV:



(IV)

wherein X^{31} and X^{32} are the same and are both an X group as defined in any one of Claims 1, 3 and 6;

with a compound of Formula V: