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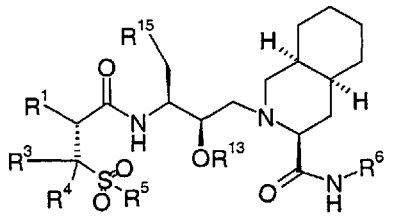
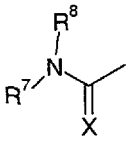
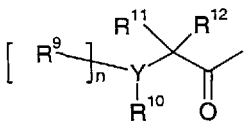
(54) Title: NOVEL COMPOUNDS FOR USE AS HIV PROTEASE INHIBITORS



(I)



(A)



(B)

(57) Abstract: Disclosed are compounds of general formula (I) and pharmaceutically acceptable salts thereof wherein R^1 is H, hydroxy or NHR^2 wherein R^2 is H, alkyl, alkenyl, alkynyl, arylalkyl, heterocyclylalkyl, cycloalkyl, alkyl carbonyl, cycloalkyl carbonyl, aryl carbonyl, heterocyclyl carbonyl, aryl alkyl carbonyl, heterocyclyl alkyl carbonyl, alkyl oxy carbonyl, aryl alkyl oxy carbonyl, heterocyclyl alkyl oxy carbonyl, aryl heterocyclyl sulfonyl, alkyl sulfonyl, aryl sulfonyl, heterocyclyl sulfonyl or a group of formula (A) wherein X is O or S and R^7 and R^8 independently are H, alkyl, aryl, heterocyclyl, aryl alkyl, heterocyclyl alkyl or R^7 an R^8 together with the notrogen atom to which they are attached form a saturated ring optionally containing a further hetero atom or a group (B) wherein when n=1, Y represents N, R^9 is H or alkyl and R^{10} H, alkyl, aryl, alkyl, heterocyclyl alkyl, aryl, heterocyclyl or R^9 and R^{10} taken together with the hetero atom to which they are attached form a heterocycle R^{11} and R^{12} independently are H or alkyl or R^{11} and R^{12} taken together with the carbon atom to which they are attached form a cycle, R^3, R^4 independently are alkyl or taken together with the carbon atom to which they are attached form a carbocycle, R^5 is alkyl, aryl alkyl, heterocyclyl alkyl or R^4 and R^5 taken together with the carbon and sulfur atom to which they are attached form a heterocycle and R^6 is alkyl, aryl alkyl, heterocyclyl alkyl, alkyl oxy alkyl, hydroxy alkyl, amino alkyl, fluoro alkyl and R^{13} is H or the residue of an inorganic ester and R^{15} is aryl, with the proviso that, if R^3, R^4 and R^5 are methyl, R^6 is tert.butyl, R^{13} is H and if R^{15} is phenyl R^2 is not benzyl oxycarbonyl and not 2-quinoline carbonyl. The compounds of formula (I) are potent inhibitors of the HIV aspartyl protease and can therefore be used in the treatment of HIV related diseases.

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