

Title (en)

HIV/FIV PROTEASE INHIBITORS HAVING A SMALL P3 RESIDUE

Title (de)

EIN KLEINER P3 REST AUFWEISENDE HIV/FIV PROTEASE HEMMER

Title (fr)

INHIBITEURS DE PROTEASES DE VIH/VIF PRESENTANT UN PETIT RESTE P3

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9929311A1] With the help of X-ray structural analyses of drug-resistant HIV proteases and molecular modeling, a new type of inhibitor with a small P3 residue has been developed. These inhibitors are effective against HIV and its drug-resistant mutants, as well as FIV. Modification of existing HIV protease inhibitors by reducing the size of the P3 residue has the same effect. This finding provides a new strategy for the development of HIV protease inhibitors effective against the wild type and drug-resistant mutants and further supports that FIV protease is a useful model for drug-resistant HIV proteases, which often are developed through reduction in size of the binding region for the P3 group or the combined P3 and P1 groups.

IPC 1-7

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IPC 8 full level

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Citation (search report)

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