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Remarks:

•Amended claims in accordance with Rule 137(2) EPC.

•This application was filed on 06-10-2017 as a divisional application to the application mentioned under INID code 62.

## (54) POLYCYCLIC CARBAMOYLPYRIDONE DERIVATIVE HAVING HIV INTEGRASE INHIBITORY ACTIVITY

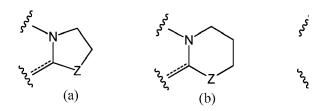
(57) The present invention is to provide a novel compound (I-1) shown below, having the anti-virus activity, particularly the HIV integrase inhibitory activity, and a drug containing the same, particularly an anti-HIV drug, as well as a process and an intermediate thereof.

$$R^2$$
  $NR^1$   $R^3$   $R^{14}$   $R^x$   $(I$ 

wherein

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A ring is substituted ring of (a), (b) or (c)



wherein Z is O or NR<sup>19</sup>,

 $R^{19}$  is hydrogen,  $C_{1\text{--}10}$ alkyl,  $C_{2\text{--}8}$ alkenyl,  $C_{1\text{--}10}$ alkylcarbonyl or  $C_{1\text{--}10}$ alkylsulfonyl, and the other

substituents on the A ring form a ring;

R<sup>14</sup> and R<sup>X</sup> are hydrogen;

a broken line represents the presence or absence of a bond, provided that when the broken line represents the presence of a bond,  $\mathsf{R}^\mathsf{X}$  is not present;

R<sup>1</sup> is hydrogen or C<sub>1-10</sub>alkyl;

X is C<sub>1-6</sub>alkylene;

 $R^2$  is phenyl or phenyl substituted with at least halogen;  $R^3$  is hydrogen, halogen, hydroxy,  $C_{1\text{--}10}$  alkyl,  $C_{2\text{--}8}$  alkenyl,  $C_{1\text{--}10}$  alkoxy,  $C_{2\text{--}8}$  alkenyloxy or amino; or a pharmaceutically acceptable salt, or solvate thereof.