

Title (en)
X-RAY CRYSTAL COMPRISING HIV-1 GP120

Title (de)
RÖNTGENSTRAHLEN-KRISTALL, ENTHALTEND HIV-1 GP120

Title (fr)
RAYONS X CRISTAL COMPRENANT VIH-1 GP120

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Application
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Abstract (en)
[origin: WO9924553A2] The subject invention provides a crystal suitable for X-ray diffraction comprising a polypeptide having an amino acid sequence of a portion of a Human Immunodeficiency Virus envelope glycoprotein gp120. The subject invention also provides the above-described crystals, wherein the crystal is arranged in a space group P2221, so as to form a unit cell of dimensions a=71.6 Å, b=88.1 Å, c=196.7 Å, and which effectively diffracts X-rays for determination of the atomic coordinates of the gp120 to a resolution of 2.5 Å or better. The subject invention additionally provides compounds inhibiting the CD4-gp120 interaction, compounds inhibiting chemokine receptor-gp120 interaction, mimics of CD4, gp120 variants and uses thereof.

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C07K 14/16; **C07K 14/73**; **C07K 16/08**; **A61K 38/00**

IPC 8 full level
A61K 38/00 (2006.01); **C07K 5/00** (2006.01); **C07K 14/16** (2006.01); **C07K 14/73** (2006.01); **C07K 16/08** (2006.01); **G01N 23/20** (2006.01); **G01N 23/201** (2006.01); **G01N 23/207** (2006.01)

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Citation (search report)

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