Title (en)

THIOUREA INHIBITORS OF HERPES VIRUSES

Title (de)

THIOUREA INHIBITOREN VON HERPESVIREN

Title (fr)

INHIBITEURS DE THIO-UREE DES VIRUS DE L'HERPES

Publication

EP 1140913 A1 20011010 (EN)

Application

EP 99965143 A 19991206

Priority

- US 9928892 W 19991206
- US 20854098 A 19981209

Abstract (en)

[origin: CA2351390A1] Compounds of formula (1) wherein, R1-R5 are independently selected from hydrogen, alkyl of 1 to 6 carbon atoms, alkenyl of 2 to 6 carbon atoms, alkynyl of 2 to 6 carbon atoms, perhaloalkyl of 1 to 6 carbon atoms, cycloalkyl of 3 to 10 carbon atoms, heterocycloalkyl of 3 to 10 carbon members, aryl, heteroaryl, halogen, -CN, -NO2, -CO2R6,-COR6, -OR6, -SR6, - SOR6, -SO2R6, -CONR7R8, -NR6N(R7R8), -N(R7R8) or W-Y-(CH2)n-Z; or R2 and R3 or R3 and R4, taken together from a 3 to 7 membered heterocycloalkyl or 3 to 7 membered heteroaryl; R6 and R7 are independently hydrogen, alkyl of 1 to 6 carbon atoms, perhaloalkyl of 1 to 6 carbon atoms, or aryl; R8 is hydrogen, alkyl of 1 to 6 carbon atoms, perhaloalkyl of 1 to 6 carbon atoms, cycloalky l of 3 to 10 carbon atoms, heterocycloalkyl of 3 to 10 members, aryl or heteroaryl, or R7 and R8, taken together may form a 3 to 7 membered heterocycloalkyl; A is heteroaryl; W is O, NR6, or is absent; Y is -(CO)- or - (CO2)-, or is absent; Z is alkyl of 1 to 4 carbon atoms, -CN, -CO2R6, COR6, - CONR7R8, -OCOR6, -NR6COR7, -OCONR6, -OR6, -SR6, -SOR6, -SO2R6, SR6N(R7R8), - N(R7R8) or phenyl; G is aryl or heteroaryl; X is a bond, -NH, alkyl of 1 to 6 carbon atoms, alkenyl of 1 to 6 carbon atoms, alkoxy of 1 to 6 carbon atoms, thioalkyl of 1 to 6 carbon atoms, alkylaminoof 1 to 6 carbon atoms, or (CH)J ; J is alkyl of 1 to 6 carbon atoms, cycloalkyl of 3 to 7 carbon atoms, phenyl or benzyl; and n is an integer from 1 to 6; useful in the treatment of diseases associated with herpes viruses including human cytomegalovirus, herpes simplex viruses, Epstein-Barr virus, varicella-zoster virus, human herpes viruses -6 and -7, and Kaposi herpesvirus.

IPC 1-7

C07D 405/12; C07D 417/12; C07D 213/81; C07D 213/75; A61K 31/33; A61P 31/12

IPC 8 full level

A61K 31/12 (2006.01); **A61K 31/33** (2006.01); **A61K 31/425** (2006.01); **A61K 31/44** (2006.01); **A61K 31/4427** (2006.01); **C07D 213/81** (2006.01); **A61K 31/443** (2006.01); **A61K 31/4436** (2006.01); **A61K 31/444** (2006.01); **A61P 31/12** (2006.01); **A61P 31/22** (2006.01); **C07D 213/75** (2006.01); **C07D 401/12** (2006.01); **C07D 405/12** (2006.01); **C07D 417/12** (2006.01)

IPC 8 main group level

A61K (2006.01); **A61P** (2006.01); **C07D** (2006.01)

CPC (source: EP KR)

C07C 335/20 (2013.01 - KR); **C07C 335/22** (2013.01 - KR); **C07D 213/75** (2013.01 - EP); **C07D 213/81** (2013.01 - EP); **C07D 217/26** (2013.01 - KR); **C07D 307/81** (2013.01 - KR); **C07D 307/85** (2013.01 - KR); **C07D 405/12** (2013.01 - EP); **C07D 417/12** (2013.01 - EP)

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