Title (en)

ANTI-VIRAL COMPOUNDS

Title (de)

ANTIVIRALE VERBINDUNGEN

Title (fr)

COMPOSES ANTI-VIRAUX

Publication

EP 1077701 A4 20020320 (EN)

Application

EP 98923565 A 19980520

Priority

US 9810299 W 19980520

Abstract (en)

[origin: WO9959587A1] The present invention relates to compounds of Formula (I), which inhibit the growth of picornaviruses, Hepatitus viruses, enteroviruses, cardioviruses, polioviruses, coxsackieviruses of the A and B groups, echo virus and Mengo virus. In said Formula, A is phenyl, pyridyl, substituted phenyl, substituted pyridyl, or benzyl; R is hydrogen, COR<4>, or COCF3; X is N-OH, O, or CHR<1>; R<1> is hydrogen, halo, CN, C1-C4 alkyl, -CCH, CO(C1-C4 alkyl), CO2(C1-C4 alkyl), or CONR<2>R<3>; R<2> and R<3> are independently hydrogen or C1-C4 alkyl; A' is hydrogen, halo, C1-C6 alkyl, benzyl, naphthyl, thienyl, furyl, pyridyl, pyrollyl, COR<4>, S(O)nR<4>, or a group of formula (II); R<4> is C1-C6 alkyl, phenyl, or substituted phenyl; n is 0, 1, or 2; R<5> is independently at each occurance hydrogen or halo; m is 1, 2, 3, or 4; and R<6> is hydrogen, halo, CF3, OH, CO2H, NH2, NO2, CONHOCH3, C1-C4 alkyl, or CO2(C1-C4 alkyl), C1-C4 alkoxy; or pharmaceutically acceptable salts thereof.

IPC 1-7

A61K 31/44; C07D 471/04

IPC 8 full level

A61K 31/437 (2006.01); **A61K 31/44** (2006.01); **A61K 31/444** (2006.01); **A61K 31/50** (2006.01); **A61P 1/16** (2006.01); **A61P 31/12** (2006.01); **C07D 471/04** (2006.01)

IPC 8 main group level

A61K (2006.01)

CPC (source: EP KR)

A61K 31/437 (2013.01 - KR); **A61K 31/444** (2013.01 - KR); **A61P 1/16** (2018.01 - EP); **A61P 31/12** (2018.01 - EP); **C07D 471/04** (2013.01 - EP KR)

Citation (search report)

- [A] EP 0747363 A1 19961211 - LILLY CO ELI [US]
- [A] WO 9746235 A1 19971211 - LILLY CO ELI [US]
- [A] WO 9746236 A1 19971211 - LILLY CO ELI [US]
- [A] WO 9746237 A1 19971211 - LILLY CO ELI [US]
- [PXY] HAMDOUCHI, CHAFIQ ET AL: "Short synthesis and antirhinoviral activity of imidazo[1,2- a]pyridines: the effect of acyl groups at the 3-position", BIOORG. MED. CHEM. LETT. (1999), 9(10), 1391-1394, XP004164898
- [PXY] HAMDOUCHI, C. ET AL.: "Amino-3-substituted-6[(E)-1-phenyl-(N-methylcarbamoyl)vinyl]imidazo-[1,2-a]pyridines as a Novel Class of Inhibitors of Human Rhinovirus: Stereospecific ynthesis and Antiviral Activity", J. MED. CHEM., vol. 42, no. 1, 1999, pages 50-59, XP001038336
- [PX] HAMDOUCHI, CHAFIQ ET AL: "A novel application of the Ullmann coupling reaction for the alkylsulfenylation of 2-amino-imidazo[1,2-a]pyridine", TETRAHEDRON (1999), 55(2), 541-548, XP001026248
- See also references of WO 9959587A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

WO 9959587 A1 19991125; AU 7583098 A 19991206; BR 9815899 A 20010220; CA 2332403 A1 19991125; CN 1292697 A 20010425; CZ 20004278 A3 20010516; CZ 289425 B6 20020116; EA 200001208 A1 20010625; EP 1077701 A1 20010228; EP 1077701 A4 20020320; HU P0102117 A2 20011228; IL 139166 A0 20011125; JP 2002515433 A 20020528; KR 20010025055 A 20010326; NO 20005795 D0 20001116; NO 20005795 L 20010118; SK 17482000 A3 20050304; TR 200003414 T2 20010321

DOCDB simple family (application)

US 9810299 W 19980520; AU 7583098 A 19980520; BR 9815899 A 19980520; CA 2332403 A 19980520; CN 98814051 A 19980520; CZ 20004278 A 19980520; EA 200001208 A 19980520; EP 98923565 A 19980520; HU P0102117 A 19980520; IL 13916698 A 19980520; JP 2000549252 A 19980520; KR 20007012999 A 20001118; NO 20005795 A 20001116; SK 17482000 A 19980520; TR 200003414 T 19980520