Title (en)

QUINAZOLINONE AND BENZOXAZINE DERIVATIVES AS PROGESTERONE RECEPTOR MODULATORS

Title (de)

CHINAZOLINON UND BENZOXAZIN DERIVATE ALS PROGESTERON REZEPTOR MODULATOREN

Title (fr)

DERIVES DE QUINAZOLINONE ET DE BENZOXAZINE TENANT LIEU DE MODULATEURS DU RECEPTEUR DE PROGESTERONE

Publication

EP 1175404 A1 20020130 (EN)

Application

EP 00930288 A 20000501

Priority

- US 0011835 W 20000501
- US 30455199 A 19990504
- US 55262900 A 20000419

Abstract (en)

[origin: CA2371651A1] This invention provides compounds which are agonists and antagonists of the progesterone receptor having general structure (I): wherein R1 and R2 are independently selected from H, CORA, or NRBCORA, or optionally substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl, or heterocyclic moieties; or R1 a nd R2 are fused to form: 3 to 8 membered spirocyclic alkyl, alkenyl or heterocyclic rings; RA is H or optionally substituted alkyl, aryl, alkoxy, o r aminoalkyl groups; RB is H, C1 to C3 alkyl or substituted C1 to C3 alkyl; R3 is H, OH, NH2, CORC or optionally substituted alkyl, alkenyl, or alkynyl; RC is H or optionally substituted alkyl, aryl, alkoxy, or aminoalkyl; R4 is H, halogen, CN, NO2, or optionally substituted alkyl, alkynyl, alkoxy, amino or aminoalkyl; R5 is an optionally substituted benzene or five or six membered ring with 1, 2, or 3 heteroatoms selected from O, S, SO, SO2 or NR6; R6 is H or C1 to C3 alkyl; G1 is O, NR7, or CR7R8; G2 is CO, CS, or CR7R8; provided that when G1 is O, G2 is CR7R8, and G1 and G2 cannot both be CR7R8; R7 and R 8 are H or an optionally substituted alkyl, aryl, or heterocyclic moiety; or pharmaceutically acceptable salt thereof, and methods using these compounds in mammals as agonists or antagonists of the progesterone receptor.

IPC 1-7

C07D 215/22; C07D 413/04; C07D 239/80; C07D 265/14; C07D 239/78; A61K 31/517; A61P 5/00

IPC 8 full level

C07D 239/74 (2006.01); **A61K 31/4704** (2006.01); **A61K 31/517** (2006.01); **A61K 31/536** (2006.01); **A61P 5/00** (2006.01); **A61P 13/00** (2006.01); **A61P 13/08** (2006.01); **A61P 15/00** (2006.01); **A61P 35/00** (2006.01); **A61P 43/00** (2006.01); **C07D 215/22** (2006.01); **C07D 239/78** (2006.01); **C07D 239/80** (2006.01); **C07D 265/14** (2006.01); **C07D 413/04** (2006.01)

Citation (search report)

See references of WO 0066560A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

AU 4814000 A 20001117; CA 2371651 A1 20001109; EP 1175404 A1 20020130; HK 1043991 A1 20021004; JP 2003524626 A 20030819; MX PA01011310 A 20030714

DOCDB simple family (application)

AU 4814000 A 20000501; CA 2371651 A 20000501; EP 00930288 A 20000501; HK 02104857 A 20020628; JP 2000615391 A 20000501; MX PA01011310 A 20000501