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ABSTRACT

CYCLOCARBAMATE DERIVATIVES AS PROGESTERONE RECEPTOR

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MODULATORS

This invention provides compounds of Formula (I) wherein R^1 and R^2 may be single substituents or fused to form spirocyclic or heterospirocyclic rings; R^3 is H, OH, NH_2 , C_1 to C_6 alkyl, substituted C_1 to C_6 alkyl, C_3 to C_6 alkenyl, substituted C_1 to C_6 alkenyl, alkenyl, or substituted alkynyl, COR^c ; R^c is H, C_1 to C_3 alkyl, substituted C_1 to C_3 alkyl, aryl, substituted aryl, C_1 to C_3 alkoxy, substituted C_1 to C_3 alkoxy, C_1 to C_3 aminoalkyl, or substituted C_1 to C_3 aminoalkyl; R^4 is H, halogen, CN, NO_2 , C_1 to C_6 alkyl, substituted C_1 to C_6 alkyl, alkynyl, or substituted alkynyl, C_1 to C_6 alkoxy, substituted C_1 to C_6 alkoxy, substituted C_1 to C_6 alkoxy, amino, C_1 to C_6 aminoalkyl, or substituted C_1 to C_6 aminoalkyl; and R^5 is selected from a trisubstituted benzene ring of a five or six membered ring with 1, 2, or 3 heteroatoms from the group including O, S, SO, SO_2 or NR^6 and containing one or two independent substituents from the group including H, halogen, CN, NO_2 , amino, and C_1 to C_3 alkyl, C_1 to C_3 alkoxy, C_1 to C_3 aminoalkyl, COR^F , or $NR^G COR^F$; or pharmaceutically acceptable salt thereof, as well as pharmaceutical compositions and methods using the compounds as antagonists of the progesterone receptor.

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