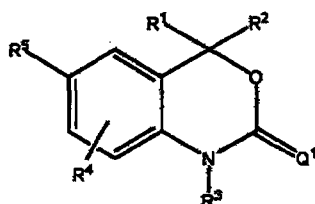




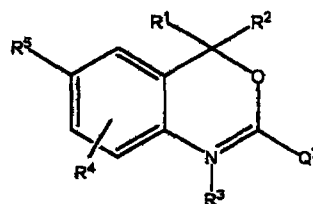
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(54) Title: CYCLOTHIOCARBAMATE DERIVATIVES AS PROGESTERONE RECEPTOR MODULATORS



(I)



(II)

(57) Abstract

The present invention provides compounds which are agonists of the progesterone receptor and have structures (I) or (II) wherein R₁ and R₂ are independent substituents selected from the group of H, optionally substituted C₁ to C₆ alkyl, alkenyl, alkynyl, or alkynyl groups C₃ to C₈ cycloalkyl, aryl, substituted aryl, or heterocyclic groups, or COR^A or NR^BCOR^A; or R^A and R^B are fused to form an optionally substituted 3 to 8 membered Spiro cyclic alkyl or alkenyl ring or a Spiro cyclic ring containing one to three heteroatoms selected from O, S and N; R^A is selected from H, amino, or optionally substituted C₁ to C₃ alkyl, aryl, C₁ to C₃ alkoxy, or C₁ to C₃ aminoalkyl groups; R^B is H, C₁ to C₃ alkyl, or substituted C₁ to C₃ alkyl; R^C is H, OH, NH₂, COR^C, or optionally substituted C₁ to C₆ alkyl, C₃ to C₆ alkenyl, or alkynyl groups; R^C is selected from H or optionally substituted C₁ to C₃ alkyl, aryl, C₁ to C₃ alkoxy, or C₁ to C₃ aminoalkyl groups; Q¹ is S, NR⁷, or CR⁸R⁹, R⁵ is an optionally trisubstituted benzene ring or an optionally substituted five or six membered heterocyclic ring with 1, 2, or 3 ring heteroatoms selected from the group of O, S, SO, SO₂ or NR⁶; or a pharmaceutically acceptable salt thereof, as well as methods of using these compounds for contraception and the treatment of progesterone-related maladies.