

Title (en)
SUBSTITUTED AZETIDINONE COMPOUNDS USEFUL AS HYPOCHOLESTEROLEMIC AGENTS

Title (de)
SUBSTITUIERTE AZETIDINONVERBINDUNGEN ALS HYPOCHOLESTEROLEMISCHE MITTEL

Title (fr)
COMPOSES D'AZETIDINONE SUBSTITUES UTILISES COMME AGENT HYPERCHOLESTEROLEMIANT

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Application
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Abstract (en)
[origin: WO9535277A1] Substituted azetidinone hypocholesterolemic agents of formula (I) or a pharmaceutically acceptable salt thereof, wherein: Ar<1> is aryl or R<3>-aryl; Ar<2> is aryl or R<4>-aryl; R<1> is selected from the group consisting of -(CH₂)_q-, wherein q is 2-6; -(CH₂)_e-Z-(CH₂)_r-, wherein Z is -O-, -C(O)-, phenylene, -NR<10>- or -S(O)O-2-, e is 0-5 and r is 0-5, provided that the sum of e and r is 1-6; -(C₂-C₆ alkenylene)-; and -(CH₂)_f-V-(CH₂)_g-, wherein V is C₃-C₆ cycloalkylene, f is 1-5 and g is 0-5, provided that the sum of f and g is 1-6; R<2> is -(lower alkylene)-COR<5> or -(CH=CH)-COR<5>; R<3> and R<4> are independently 1-3 substituents selected from lower alkyl, -OR<6>, -O(CO)R<6>, -O(CO)OR<9>, -O(CH₂)₁₋₅OR<6>, -O(CO)NR<6>R<7>, -NR<6>R<7>, -NR<6>(CO)R<7>, -NR<6>(CO)OR<9>, -NR<6>(CO)NR<7>R<8>, -NR<6>SO₂R<9>, -COOR<6>, -CONR<6>R<7>, -COR<6>, -SO₂NR<6>R<7>, S(O)O-2R<9>, -O(CH₂)₁₋₁₀-COOR<6>, -O(CH₂)₁₋₁₀CONR<6>R<7>, -(lower alkylene)-COOR<6>, -CH=CH-COOR<6>, -CF₃, -CN, -NO₂ and halogen; R<5> is -OR or -NRR<12>; R, R<6>, R<7>, R<8> and R<12> are independently selected from hydrogen, lower alkyl, aryl and aryl-substituted lower alkyl; R<9> is lower alkyl, aryl or aryl-substituted lower alkyl; and R<10> is hydrogen, lower alkyl, aryl lower alkyl or -C(O)R<6>; are disclosed, as well as a method of lowering serum cholesterol by administering said compounds, alone or in combination with a cholesterol biosynthesis inhibitor, and pharmaceutical compositions containing them.

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