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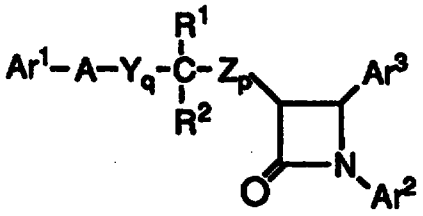
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(54) Title: SUBSTITUTED AZETIDINONE COMPOUNDS USEFUL AS HYPOCHOLESTEROLEMIC AGENTS



(I)

(57) Abstract

Substituted azetidinone hypocholesterolemic agents of formula (I) or a pharmaceutically acceptable salt thereof, wherein: Ar^1 is R^3-substituted aryl; Ar^2 is R^4-substituted aryl; Ar^3 is R^5-substituted aryl; Y and Z are independently $-CH_2-$, -CH(lower alkyl)- or -C(dilower alkyl)-; A is -O-, -S-, -S(O)- or $-S(O)_2-$; R^1 is $-OR^6$, $-O(CO)R^6$, $-O(CO)OR^9$ or $-O(CO)NR^6R^7$; R^2 is hydrogen, lower alkyl or aryl; or R^1 and R_2 together are =O; q is 1, 2 or 3; p is 0, 1, 2, 3 or 4; R^5 is 1-3 substituents independently selected from $-OR^6$, $-O(CO)R^6$, $-O(CO)OR^9$, $-O(CH_2)_{1-5}OR^9$, $-O(CO)NR^6R^7$, $-NR^6R^7$, $-NR^6(CO)R^7$, $-NR^6(CO)OR^9$, $-NR^6(CO)NR^7R^8$, $-NR^6SO_2$-lower alkyl, $-NR^6SO_2$-aryl, $-CONR^6R^7$, $-COR^6$, $-SO_2NR^6R^7$, $S(O)_{0-2}$-alkyl, $S(O)_{0-2}$-aryl, $-O(CH_2)_{1-10}-COOR^6$, $-O(CH_2)_{0-10}CONR^6R^7$, *o*-halogeno, *m*-halogeno, *o*-lower alkyl, *m*-lower alkyl, -(lower alkylene)-$COOR^6$ and $-CH{=}CH-COOR^6$; R^3 and R^4 are 1-3 substituents independently selected from R^5, hydrogen, *p*-lower alkyl, aryl, $-NO_2$, CF_3 and *p*-halogeno; R^6, R^7 and R^8 are hydrogen, lower alkyl, aryl or aryl-substituted lower alkyl; and R^9 is lower alkyl, aryl or aryl-substituted lower alkyl; are disclosed, as well as a method of lowering serum cholesterol by administering said compounds, pharmaceutical compositions containing them, the combination of a substituted azetidinone and a cholesterol biosynthesis inhibitor for the treatment and prevention of atherosclerosis, novel intermediates and methods for preparing said intermediates.

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