

Title (en)  
1,4-BENZOTHAZEPINES TO TREAT OBESITY RELATED DISORDERS

Title (de)  
1,4-BENZOTHAZEPINE ZUR BEHANDLUNG VON FETTSUCHTVERWANDTEN KRANKHEITEN

Title (fr)  
1,4-BENZOTHAZEPINES DANS LE TRAITEMENT DES DESORDRES LIES A L'OBESITE

Publication  
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Application  
**EP 00945759 A 20000616**

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Abstract (en)  
[origin: WO0100185A2] The present invention provides a method of treating obesity and related conditions comprising the administration to a mammal, particularly a human, in need thereof of a therapeutically effective amount of a compound of formula (I) in which: n=0, 1 or 2; R1 and R2 independently represent H or alkyl of 1 to 4 carbon atoms (optionally substituted by one or more halo); R3 and R4 independently represent H or alkyl of 1 to 4 carbon atoms; or together represent a group of formula =NR12 where R12 represents H, hydroxy, alkyl of 1 to 4 carbon atoms, a phenyl or alkoxy of 1 to 4 carbon atoms; each alkyl, phenyl and alkoxy being optionally substituted with one or more halo; R5 represents: (a) H, (b) alkyl of 1 to 4 carbon atoms, (c) a group of formula-COR13 in which R13 represents H, alkyl of 1 to 4 carbon atoms or phenyl, when R3 and R4 represent H or alkyl (optionally substituted with one or more halo; their stereoisomers; and pharmaceutically acceptable salts thereof. [origin: WO0100185A2] The present invention provides a method of treating obesity and related conditions such as bulimia, anorexia, snacking, binge eating, non insulin dependent diabetes mellitus, hyperglycaemia, stress, hyperlipidaemia, and to aid to smoking cessation comprising the administration to a mammal, particularly a human, in need thereof of a therapeutically effective amount of a compound of formula (I) in which: n=0, 1 or 2; R1 and R2 independently represent H or alkyl of 1 to 4 carbon atoms (optionally substituted by one or more halo); R3 and R4 independently represent H or alkyl of 1 to 4 carbon atoms; or together represent a group of formula =NR12 where R12 represents H, hydroxy, alkyl of 1 to 4 carbon atoms, a phenyl or alkoxy of 1 to 4 carbon atoms; each alkyl, phenyl and alkoxy being optionally substituted with one or more halo; R5 represents: (a) H, (b) alkyl of 1 to 4 carbon atoms, (c) a group of formula-COR13 in which R13 represents H, alkyl of 1 to 4 carbon atoms or phenyl, when R3 and R4 represent H or alkyl (optionally substituted with one or more halo, or (d) a group of formula -S(O)pR14 in which p=1 or 2 and R14 is alkyl of 1 to 4 carbon atoms or phenyl, when R3 and R4 represent H or alkyl (optionally substituted with one or more halo); each alkyl and phenyl being optionally substituted with one or more halo; R6 and R7 are each H; R8 to R11 independently represent H, halo, cyano, nitro, alkyl of 1 to 4 carbon atoms, alkoxy of 1 to 4 carbon atoms, alkanoyl of 1 to 4 carbon atoms, carboxy, alkanoyloxy of 1 to 4 carbon atoms, carbamoyl (optionally substituted with alkyl of 1 to 4 carbon atoms), or sulphonamoyl (optionally substituted with alkyl of 1 to 4 carbon atoms); each alkyl, alkoxy, alkanoyl or alkanoyloxy optionally substituted with one or more halo; their stereoisomers; and pharmaceutically acceptable salts thereof.

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