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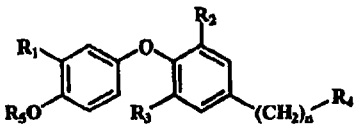
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(54) Title: NOVEL THYROID RECEPTOR LIGANDS AND METHOD II



(I)

(57) Abstract

New thyroid receptor ligands are provided which have general formula (I) in which: n is an integer from 0 to 4; R_1 is halogen, trifluoromethyl, or alkyl of 1 to 6 carbons or cycloalkyl of 3 to 7 carbons; R_2 and R_3 are the same or different and are hydrogen, halogen, alkyl of 1 to 4 carbons or cycloalkyl of 3 to 5 carbons, at least one of R_2 and R_3 being other than hydrogen; R_4 is a carboxylic acid amide (CONR'R'') or an acylsulphonamide (CONHSO2R') derivative, or a pharmaceutically acceptable salt thereof, and all stereoisomers thereof; or when n is equal to or greater than one, R_4 may be a heteroaromatic moiety which may be substituted or unsubstituted, or an amine (NR'R''). R_5 is hydrogen or an acyl (such as acetyl or benzoyl) or other group capable of bioconversion to generate the free phenol structure (wherein R_5=H). In addition, a method is provided for preventing, inhibiting or treating a disease associated with metabolism dysfunction or which is dependent upon the expression of a T_3 regulated gene, wherein a compound as described above is administered in a therapeutically effective amount. Examples of such diseases associated with metabolism dysfunction or are dependent upon the expression of a T_3 regulated gene include obesity, hypercholesterolemia, atherosclerosis, cardiac arrhythmias, depression, osteoporosis, hypothyroidism, goiter, thyroid cancer as well as glaucoma, congestive heart failure and skin disorders.