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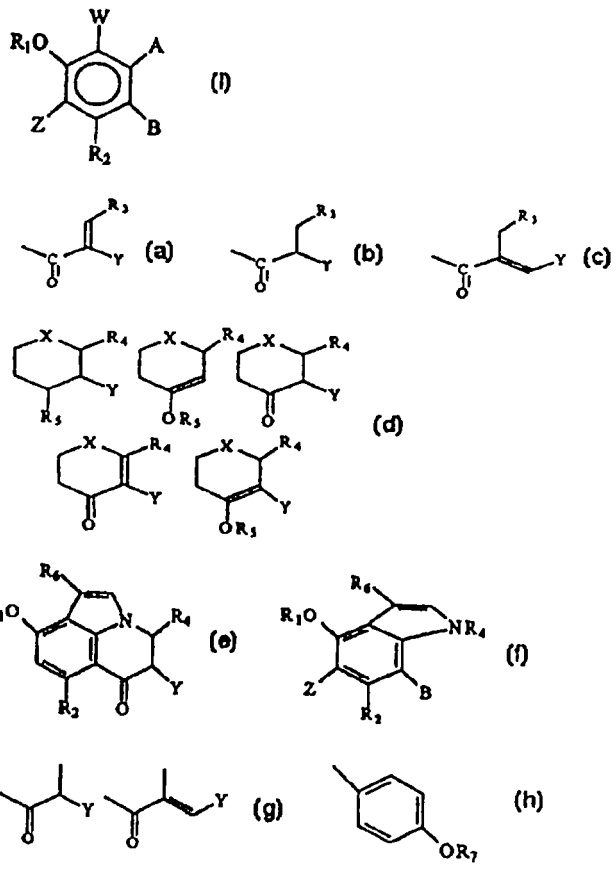


ACTION

(54) Title: THERAPEUTIC METHODS AND COMPOSITIONS INVOLVING ISOFLAVONES

(57) Abstract

Therapeutic methods of treatment, compositions and foodstuffs are described which contain isoflavone compounds described by general formula (I), in which Z is H, R_1 is H, or R_ACO where R_A is C_{1-10}alkyl or an amino acid, R_2 is H, OH, or OR_B where R_B is an amino acid, or COR_A where R_A is as previously defined, W is H, A is H or OH, and B is selected from (a), (b), (c), or W is H, and A and B taken together form a six-membered ring selected from (d), or W, A and B taken with the groups with which they are associated comprise (e), or W and A taken together with the groups with which they are associated comprise (f) and B is (g) wherein R_3 is H, COR_A where R_A is as previously defined, CO_2R_C where R_C is C_{1-10}alkyl, or COR_B where R_B is as previously defined, R_4 is H, COR_D where R_D is H, OH, C_{1-10}alkyl or an amino acid, CO_2R_C where R_C is as previously defined, COR_E where R_E is H, C_{1-10}alkyl or an amino acid, COOH, $CONR_C$ where R_C is as previously defined, or $CONHR_E$ where R_E is as previously defined, R_5 is H, CO_2R_C where R_C is as previously defined, or COR_COR_E where R_C and R_E are as previously defined, and where the two R_5 groups are attached to the same group they are the same or different, R_6 is H or hydroxy C_{1-10}alkyl, X is preferably O, but may be N or S, and Y is (h) where R_7 is H, or C_{1-10}alkyl.



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