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(54) Title: ARYL OR HETEROARYL AMIDES OF TETRAHYDRONAPHTHALENE, CHROMAN, THIOCHROMAN AND 1,2,3,4-TETRAHYDROQUINOLINE CARBOXYLIC ACIDS HAVING RETINOID-LIKE BIOLOGICAL ACTIVITY

(57) Abstract

Compounds of formula (I) where X is S, O, NR' where R' is H or alkyl of 1 to 6 carbons, or X is [C(R₁)₂]_n where n is an integer between 0 and 2; 1; Y is a phenyl or naphthyl group, or heteroaryl group; W is a substituent selected from the group consisting of F, Br, Cl, I, C₁₋₆alkyl, fluoro substituted C₁₋₆ alkyl, NO₂, N₃, OH, OCH₂OCH₃, OC₁₋₁₀alkyl, tetrazol, CN, SO₂C₁₋₆-alkyl, SO₂C₁₋₆-fluoro substituted alkyl, SO-C₁₋₆ alkyl, CO-C₁₋₆alkyl, COOR₈, phenyl,

phenyl itself substituted with a W group other than with phenyl or substituted phenyl; L is -(C=Z)-NH- or -HN-(C=Z)-; Z is O or S; A is (CH₂)_q where q is 0-5, lower branched chain alkyl having 3-6 carbons, cycloalkyl having 3-6 carbons, alkenyl having 2-6 carbons and 1 or 2 double bonds, alkynyl having 2-6 carbons and 1 or 2 triple bonds, and B is COOH or a pharmaceutically acceptable salt thereof, COOR₈, CONR₉R₁₀, -CH₂OH, CH₂OR₁₁, CH₂OCOR₁₁, CHO, CH(OR₁₂)₂, CHOR₁₃O, -COR₇, CR₇(OR₁₂)₂, CR₇OR₁₃O, where R₁-R₁₃ and o, p, m, n, r are as defined in claim 1, have retinoid-like biological activity.

