

3-trifluoromethylphenyl, benzyl, 2-methylbenzyl or vinyl; R2 is hydrogen, methyl, ethyl or chloro; R3 is C1-C4 alkyl, C1-C4 alkoxy, C1-C4 haloalkyl, nitro, p-tolyloxy or p-chlorophenoxy; R4 is hydrogen or a methyl, methoxy, trifluoromethoxy or halo group at the 2, 4- or 5-position; m is -CH or N; and X is O or NOR5 in which R5 is methyl or ethyl; provided that: (a) when R1 is methyl, and (i) R3 is methyl, then R4 is 4-methyl, 4-methoxy or chloro; (ii) R3 is nitro, then R4 is methoxy; (b) when R1 is ethyl, R3 is methyl or methoxy; (c) when R2 is chloro, R3 and R4 are independently C1-C4 haloalkyl, C1-C4 haloalkoxy or C1-C4 alkoxy; (d) when R2 is methyl or ethyl, R1 is hydrogen; (e) when R3 is hydrogen, R4 is 2-methyl, halo or methoxy; (f) if M is N, R3 is C1-C4 alkoxy, C1-C4 haloalkyl or C1-C4 haloalkoxy and R1 is not ethyl; and (g) if R1 is vinyl, M is N.

5512551

**BENZOHYDROXYMOYLAZOLE
DERIVATIVES AND INSECTICIDE
INCLUDING THE SAME**

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The present invention provides benzohydroximoylazole derivatives represented by the following novel formula: (*See Patent for Chemical Structure*) wherein R is a branched alkyl group having not fewer than 3 carbon atoms, a fluorine-substituted alkyl group having not fewer than 2 carbon atoms, a branched alkoxy group having not fewer than 3 carbon atoms, a halogen-substituted alkoxy group having not fewer than 3 carbon atoms, a cycloalkyl group, a cycloalkylmethyl group which may be substituted with one or two alkyl groups, a substituted silylalkyl group, a substituted silylalkyloxy group, a cycloalkyloxy group which may be substituted with one or two alkyl groups, an alkylthio group, a halogen-substituted alkyloxyalkyl group, an alkynyl group, or a halogen-substituted alkenyloxy group; X is a hydrogen atom, a chlorine atom, or a fluorine atom; Y is an alkyl group; and Z is a nitrogen atom or a methyne group, and methods for producing the same, insecticides including the benzohydroximoylazole derivatives as an active ingredient.

5512554

**METHOD OF TREATING
HYPERPROLIFERATIVE SKIN DISEASES
WITH FLUORINATED VITAMIN D3
ANALOGS**

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Compounds of the formula (*See Patent for Chemical Structure*) I wherein R is hydrogen, hydroxy, or fluorine, and X is H2 or double bond CH2 are useful as agents for the treatment of hyperproliferative disorders of the skin such as psoriasis, as agents for the treatment of cancer, such as, leukemia, and as agents for the treatment of sebaceous gland diseases, such as, acne and seborrheic dermatitis.

5512585

DIAMINOCYCLOBUTENE-3,4-DIONES

Antane Madelene M; Butera John; Hirth Bradford H; Antane Schuyler A Lawrenceville, NJ, UNITED STATES assigned to American Home Products Corporation

The compound of the formula: (*See Patent for Chemical Structure*) (I) wherein: R1 and R2 are, independent from each other, hydrogen, C1-10 straight chain alkyl, C1-10 branched alkyl, or C3-10 cyclic or bicyclic alkyl; R3 is an acyl substituent selected from the group consisting of formyl, alkanoyl of 2 to 7 carbon atoms, alkenoyl of 3 to 7 carbon atoms, alkylsulfonyl of 1 to 7 carbon atoms, aroyl of 7 to 12 carbon atoms, arylalkenoyl of 9 to 20 carbon atoms, arylsulfonyl of 6 to 12 carbon atoms, arylalkanoyl of 8 to 12 carbon atoms or arylalkylsulfonyl of 7 to 12 carbon atoms; A is selected from the group consisting of: (*See Patent for Chemical Structure*) wherein: R4 is hydrogen, C1-6 alkyl, C1-6 perfluoroalkyl, C1-6 alkoxy, C1-6 perfluoroalkoxy, amino, C1-6 alkylamino, C2-12 dialkylamino, C1-6 alkylsulfonamido, alkylcarboxamido containing 2 to 7 carbon atoms, nitro, cyano or carboxyl; or a pharmaceutically acceptable salt thereof, are smooth muscle relaxants.