

[54] FLUORINATED PENTENE DIAMINE DERIVATIVES

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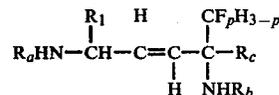
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[57] ABSTRACT

Fluorinated alkenylene diamine compounds are inhibitors of ornithine decarboxylase enzyme in vivo and have the following formula:



wherein:

R_a represents hydrogen or R_2 , where R_2 is as defined below;

R_b represents hydrogen or, when R_a is hydrogen, R_2 , where R_2 is as defined below;

R_c represents hydrogen or $-\text{COR}_3$, where R_3 is as defined below;

R_1 represents hydrogen or C_1-C_6 alkyl;

each R_2 , independently, represents C_2-C_5 alkylcarbonyl, phenylcarbonyl, phenyl-(C_1-C_4 alkyl) carbonyl, or an aminocarboxylic acid residue derived by removal of a hydroxy group from a carboxy moiety of an L-aminocarboxylic acid;

R_3 represents hydroxy, or, when R_a and R_b are both hydrogen, C_1-C_8 alkoxy, $-\text{NR}_4\text{R}_5$, where R_4 and R_5 are as defined below, or an aminocarboxylic acid residue derived by removal of a hydrogen atom from the amino moiety of an L-aminocarboxylic acid;

R_4 and R_5 , independently, represent hydrogen or C_1-C_4 alkyl; and

p represents 1 or 2.

14 Claims, No Drawings