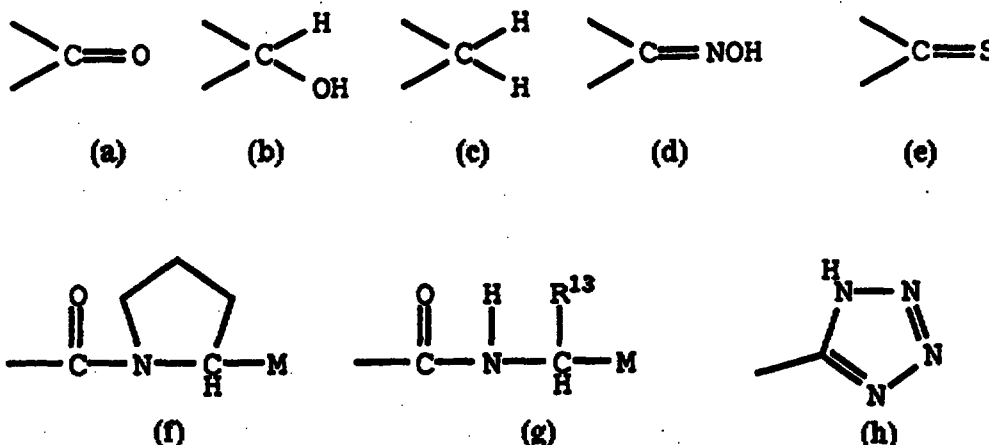




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(54) Title: SUBSTITUTED 4-BIARYLBUTYRIC OR 5-BIARYLPENTANOIC ACIDS AND DERIVATIVES AS MATRIX METALLOPROTEASE INHIBITORS



(57) Abstract

Inhibitors for matrix metalloproteases, pharmaceutical compositions containing them, and a process for using them to treat a variety of physiological conditions. The compounds of the invention have the generalized formula $(T)_x A-B-D-E-G$, wherein A and B are aryl or heteroaryl rings; each T is a substituent group; x is 0, 1, or 2; the group D represents (a), (b), (c), (d), or (e); the group E represents a two or three carbon chain bearing one to three substituent groups which are independent or are involved in ring formation, possible structures being shown in the text and claims; and the group G represents $-PO_3H_2$, $-M$, (f), (g), or (h), in which M represents $-CO_2H$, $-CON(R^{11})_2$, or $-CO_2R^{12}$; and R^{13} represents any of the side chains of the 19 noncyclic naturally occurring amino acids, and include pharmaceutically acceptable salts thereof.

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