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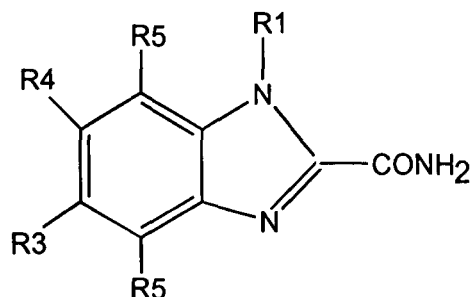
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(54) Title: 2-CARBOXAMIDE-BENZIMIDAZOLES USEFUL IN THE TREATMENT AND PREVENTION OF ISCHEMIC REPERFUSION INJURY



(I)

(57) Abstract: The subject invention relates to compounds having the structure: (I) wherein: (a) R1 is selected from the group consisting of alkyl, aryl, alkoxy, and aryloxy, the alkyl and aryl portions of preferred R1 having from 1 to about 14 carbon atoms; (b) R3 and R4 are independently selected from the group consisting of hydrogen, halo, alkyl, alkoxy, alkyl-aryloxy, alkylthio, amino, and mono- or dialkylamino, the alkyl portions of preferred R3 and R4 having from 1 to about 8 carbon atoms; except that R3 and R4 are not both hydrogen; (c) each R5 is independently selected from the group

consisting of hydrogen, halo, cyano, alkyl, hydroxy, alkoxy, thio, alkylthio, amino, and mono- or dialkylamino, the alkyl portions of preferred R5 having from 1 to about 8 carbon atoms. The subject invention further relates to compositions comprising these compound. The subject compounds are useful for preventing or treating reperfusion injury of a variety of tissues.