



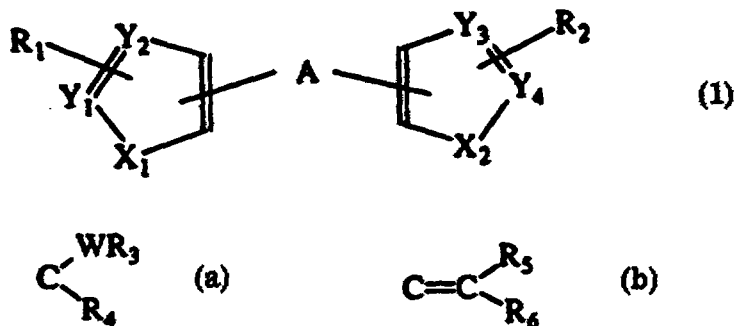
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(54) Title: **NOVEL 1,1-BIS(HETEROAZOLYL)ALKANE DERIVATIVES AND THEIR USE AS NEUROPROTECTIVE AGENTS**

(57) Abstract

The present invention relates to novel heterocyclic compounds having general formula (1), wherein: X_1 and X_2 are independently O, S or Se; Y_1 and Y_2 are independently C or N with the proviso that at least one of Y_1 and Y_2 is N; Y_3 and Y_4 are independently C or N with the proviso that at least one of Y_3 and Y_4 is N; R_1 and R_2 each represent one or more groups independently selected from H, lower alkyl, lower alkoxy-lower alkyl, hydroxy-lower alkyl, lower acyloxy-lower alkyl or CF_3 ; and A is (a) or (b) geometrical and optical isomers and racemates thereof where such isomers exist, as well as pharmaceutically acceptable acid addition salts thereof and solvates thereof; having therapeutic activity, processes and intermediates for their preparation, pharmaceutical formulations containing said compounds and the medicinal use of said compounds.



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