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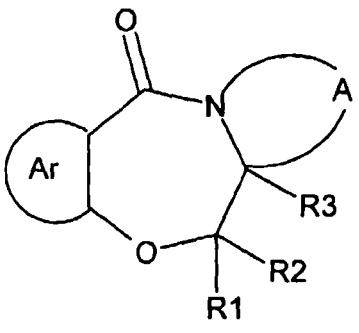
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ACTION

(54) Title: (PYRIDO/THIENO)-[f]-OXAZEPIN-5-ONE DERIVATIVES AS POSITIVE MODULATORS OF THE AMPA RECEPTOR



(I)

(57) Abstract: The present invention relates to (pyrido/thieno)-[f]-oxazepine-5-one derivatives having the general Formula (I) wherein R^1, R^2 and R^3 are independently H or (C_{1-4})alkyl; Ar represents a fused thiophene or pyridine ring optionally substituted with one or more substituents selected from (C_{1-4})alkyl, (C_{1-4})alkyloxy, (C_{1-4})alkyloxy(C_{1-4})alkyl, CF_3, halogen, nitro, cyano, NR^4R^5, NR^4COR^6, and $CONR^4R^5$; R^4 and R^5 are independently H or (C_{1-4})-alkyl; or R^4 and R^5 form together with the nitrogen atom to which they are bound a 5-or 6-membered saturated heterocyclic ring, optionally containing a further heteroatom selected from O, S or NR^6; R^6 is (C_{1-4})alkyl; A represents the residue of a 4-7 membered saturated heterocyclic ring, optionally containing an oxygen atom, the ring being optionally substituted with 1-3 substituents selected from (C_{1-4})alkyl, (C_{1-4})-alkyloxy, hydroxy, halogen and oxo; or a pharmaceutically acceptable salt thereof. The invention also relates to pharmaceutical compositions comprising said derivatives, and to the use of these (pyrido/thieno)-[f]-oxazepine-5-one derivatives in the treatment of neurological diseases and psychiatric disorders which are responsive to enhancement of synaptic responses mediated by AMPA receptors in the central nervous system.

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