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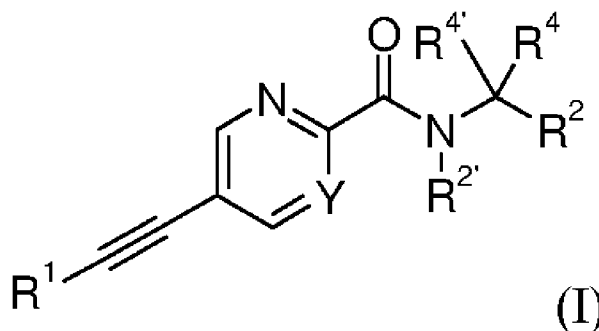
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(54) Title: 5-(PHENYL/PYRIDINYL-ETHINYL)-2-PYRIDINE/ 2-PYRIMIDINE-CARBORXAMIDES AS MGLUR5 MODULATORS



(I)

(57) Abstract: The present invention relates to ethynyl derivatives of formula (I), wherein, Y is N or C-R³; and R³ is hydrogen, methyl, halogen or nitrile; R¹ is phenyl or pyridinyl, which are optionally substituted by halogen, lower alkyl or lower alkoxy; R²/R^{2'} are independently from each other hydrogen, lower alkyl or lower alkyl substituted by halogen, or R² and R^{2'} may form together with the N-atom to which they are attached a morpholine ring, a piperidine ring or an azetidine ring, which are unsubstituted or substituted one or more substituents selected from lower alkoxy, halogen, hydroxy or methyl; R⁴/R^{4'} are independently from each other hydrogen or lower alkyl, or R⁴ and R^{4'} form together a C₃₋₅ cycloalkyl-, tetrahydrofuran- or an oxetane-ring; or to a pharmaceutically acceptable acid addition salt, to a racemic mixture, or to its corresponding enantiomer and/or optical isomer and/or stereoisomer thereof. It has now surprisingly been found that the compounds of general formula (I) are positive allosteric modulators (PAM) of the metabotropic glutamate receptor subtype 5 (mGluR5).

