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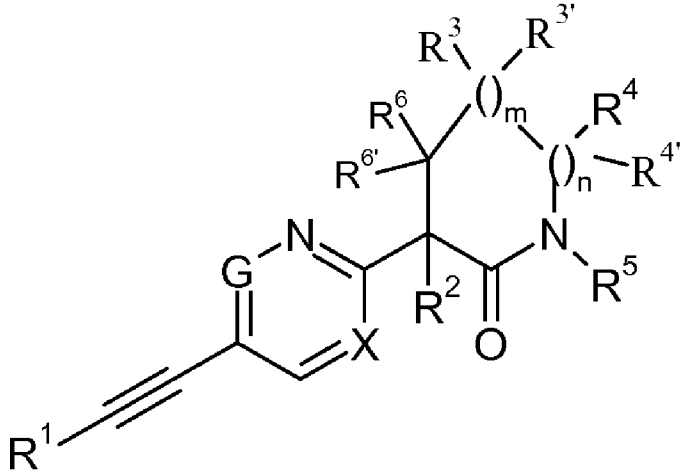
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(54) **Title**: ETHYNYL DERIVATIVES AS POSITIVE ALLOSTERIC MODULATORS OF THE MGLUR5



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(57) **Abstract**: The present invention relates to ethynyl derivatives of formula I wherein X is N or C-R, wherein R is hydrogen or halogen; G is N or CH; with the proviso that maximum one of G or X can be nitrogen; R^1 is phenyl or pyridinyl, which are optionally substituted by halogen; R^2 is hydrogen, lower alkyl, hydroxy, lower alkoxy or C(O)O-benzyl; R^3,$R^{3'}$, R^4, R^4, R^6, $R^{6'}$ are independently from each other hydrogen or lower alkyl; or R^6 and R^4 may form together with the carbon atom to which they are attached a C_{4-6}-cycloalkyl ring, if m is 0 and n is 1 or 2; R^5 is hydrogen or lower alkyl; n is 0, 1 or 2; m is 0 or 1; with the proviso that n and m are not simultaneously 0; 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). They may be used for the treatment of schizophrenia or cognitive disorders.

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