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(71) Applicant (for all designated States except US): **F. HOFFMANN-LA ROCHE AG** [CH/CH]; Grenzacherstrasse 124, CH-4070 Basel (CH).

(72) Inventors; and

(71) Applicants (for US only): **JAESCHKE, Georg** [DE/CH]; Lerchenstrasse 76, CH-4059 Basel (CH). **LINDEMANN, Lothar** [DE/CH]; Jungstrasse 44, CH-4056 Basel (CH). **RICCI, Antonio** [IT/CH]; Hauptstrasse 54, CH-4127 Birsfelden (CH). **RUEHER, Daniel** [CH/FR]; 14, rue des Fleurs, F-68480 Raedersdorf (FR). **STADLER, Heinz** [CH/CH]; Dornacherstrasse 154, CH-4053 Basel (CH).

VIEIRA, Eric [CH/CH]; Lindenstrasse 9, CH-4402 Frenkendorf (CH).

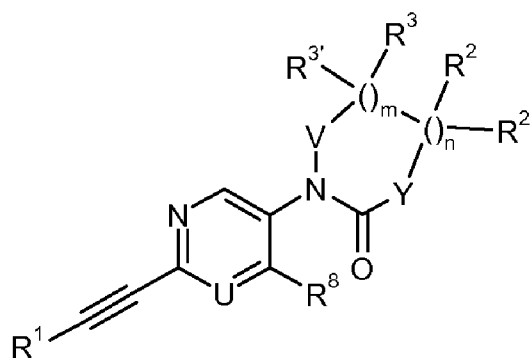
(74) Agent: **POPPE, Regina**; Grenzacherstrasse 124, CH-4070 Basel (CH).

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(54) Title: ETHYNYL DERIVATIVES AS MGLUR5 ALLOSTERIC MODULATORS



(I)

(57) Abstract: The present invention relates to ethynyl derivatives of formula (I) wherein U is N or CH, R⁸ is hydrogen, halogen, lower alkyl or lower alkoxy; Y is -N(R⁴)-, -O- or -C(R⁵R^{5'})-; wherein R⁴ is hydrogen or lower alkyl and R⁵/R^{5'} are independently hydrogen, hydroxy, lower alkyl or lower alkoxy; V is -N(R⁶)- or -C(R⁷R^{7'}), wherein R⁶ is hydrogen or lower alkyl and R⁷/R^{7'} are independently from each other hydrogen, lower alkyl, CH₂-lower alkoxy or may form together with the carbon atom to which they are attached a C₃-C₆-cycloalkyl; R¹ is phenyl or heteroaryl, which are optionally substituted by halogen, lower alkyl or lower alkoxy; m is 0 or 1; in case m is 1, R³/R^{3'} are independently from each other hydrogen, lower alkyl, CH₂-lower alkoxy or may form together with the carbon atom to which they are attached a C₃-C₆-cycloalkyl; n is 0 or 1; in case n is 1, R²/R^{2'} are independently from each other hydrogen, lower alkyl, CH₂-lower alkoxy or may form together with the carbon atom to which they are attached a C₃-C₆-cycloalkyl; or if m is 1 and n is 0, R³ and R⁷ may form together with the carbon atoms to which they are attached a C₄₋₆-cycloalkyl; or if m is 1 and n is 1, R² and R³ or R³ and R⁷ may form together with the carbon atoms to which they are attached a C₄₋₆-cycloalkyl; 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 been found that the compounds of general formula (I) are allosteric modulators of the metabotropic glutamate receptor subtype 5 (mGluR5).

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