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(54) Title: PYRAZOLOPYRIDINE, PYRAZOLOPYRAZINE, PYRAZOLOPYRIMIDINE, PYRAZOLOTHIOPHENE AND PYRAZOLOTHIAZOLE COMPOUNDS AS MGLUR4 ALLOSTERIC POTENTIATORS, COMPOUNDS, AND METHODS OF TREATING NEUROLOGICAL DYSFUNCTION

(57) Abstract: Pyrazolopyridine, pyrazolopyrazine, pyrazolopyrimidine, pyrazolothiophene and pyrazolothiazole compounds which are useful as allosteric potentiators/positive allosteric modulators of the metabotropic glutamate receptor subtype 4 (mGluR4); synthetic methods for making the compounds; pharmaceutical compositions comprising the compounds; and methods of using the compounds, for example, in treating neurological and psychiatric disorders or other disease state associated with glutamate dysfunction.