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(54) Title: AMINOPYRIMIDINES AS KINASE MODULATORS

(57) Abstract: Abstract The invention is directed to aminopyrimidine compounds of Formula I: where R3, B, Z, r and R1 are as defined herein, the use of such compounds as protein tyrosine kinase modulators, particularly inhibitors of FLT3 and/or c-kit and/or TrkB, the use of such compounds to reduce or inhibit kinase activity of FLT3 and/or c-kit and/or TrkB in a cell or a subject, and the use of such compounds for preventing or treating in a subject a cell proliferative disorder and/or disorders related to FLT3 and/or c-kit and/or TrkB . The present invention is further directed to pharmaceutical compositions comprising the compounds of the present invention and to methods for treating conditions such as cancers and other cell proliferative disorders.