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(54) Title: SELECTIVE SYNTHESIS OF CF3-SUBSTITUTED PYRIMIDINES

(57) Abstract: The present invention relates to a method of making a compound of the formula (I),wherein X^1, X^2 and R^3-R^4 are as defined herein. The method includes reacting a compound of the formula (II) *with an amine of formula (III) (HNR^3R^4) in the presence of a Lewis Acid and a non-nucleophilic* base. The 2,4-diamino pyrimidine moiety is a common component in a variety of biologically active drug-like molecules and pyrimidine derivatives have been found to be useful in the 10 treatment of abnormal cell growth, such as cancer, in mammals.

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