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(54) **Title:** SUBSTITUTED PYRIMIDIN-4(3H)-ONES FOR USE IN TREATING CANCER

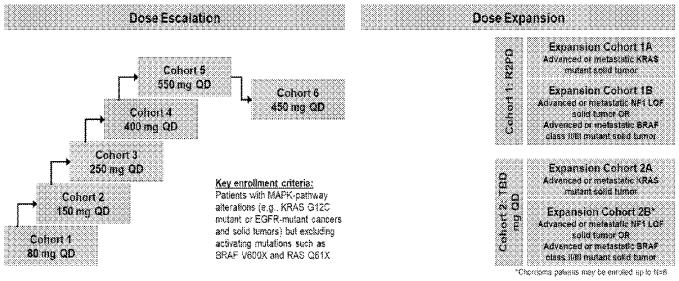
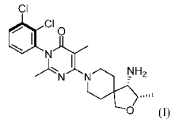


FIG. 14



(57) **Abstract:** The present disclosure provides a method of treating cancer or a solid tumor (e.g., an advanced or metastatic solid tumor) in a subject with a therapeutically effective amount of a compound of formula (I) or a pharmaceutically acceptable salt, hydrate, solvate, stereoisomer, conformational isomer, tautomer, or a combination thereof, where the subject has one or more mutations in the MAPK pathway and/or one or more mutations in *PTPN11*. In particular, the solid tumor is an advanced or metastatic KRAS mutant solid tumor (e.g., KRAS G12C-positive solid tumor); an advanced or metastatic NF1 loss-of-function (LOF) solid tumor or BRAF class II/III mutant solid tumor; or chordoma.

[Continued on next page]

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