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(71) Applicant *(for all designated States except US)*: **WYETH HOLDINGS CORPORATION** [US/US]; Five Giralda Farms, Madison, NJ 07940 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **ZHANG, Nan** [CN/US]; 214-10 64th Avenue, Bayside, NY 11364 (US). **AYRAL-KALOUSTIAN, Semiramis** [US/US]; 484 Carrollwood Drive, Tarrytown, NY 10591 (US). **NGUYEN, Thai, Hiep** [CA/US]; 4-53 Hartley Place, Fair Lawn, NJ 07410 (US).

(74) Agents: **CALNAN, William, H.** et al.; Wyeth, Patent Law Department, Five Giralda Farms, Madison, NJ 07940 (US).

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(54) Title: 5-ARYLPYRIMIDINES AS ANTICANCER AGENTS

(57) Abstract: This invention relates to certain 5-arylpyrimidine compounds or a pharmaceutically acceptable salt thereof, and compositions containing said compounds or a pharmaceutically acceptable salt thereof, wherein said compounds are anti-cancer agents useful for the treatment of cancer in mammals. This invention further relates to a method of treating or inhibiting the growth of cancerous tumor cells and associated diseases in a mammal and further provides a method for the treatment or prevention of cancerous tumors that express multiple drug resistance (MDR) or are resistant because of MDR, in a mammal in need thereof which method comprises administering to said mammal an effective amount of said compounds or a pharmaceutically acceptable salt thereof. More specifically, the present invention relates to a method of treating or inhibiting the growth of cancerous tumor cells and associated diseases in a mammal in need thereof by promotion of microtubule polymerization which comprises administering to said mammal an effective amount of said compounds and pharmaceutically acceptable salts thereof.

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