

Title (en)
METHODS FOR PREVENTION AND TREATMENT OF CANCER

Title (de)
METHODEN ZUR PRÄVENTION UND BEHANDLUNG VON KREBS

Title (fr)
METHODES DE PREVENTION ET DE TRAITEMENT DU CANCER

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Abstract (en)
[origin: WO9949027A1] Methods for inhibiting cancer cell growth are disclosed. In one embodiment, the method comprises the step of increasing the amount of a metabolic precursor of 1,25-dihydroxyvitamin D ("1,25(OH)₂D") or an analog or a derivative thereof available to a target cell. In a preferred embodiment, the precursor is 25-hydroxyvitamin D. In another embodiment, the method comprises administering a gene coding for 25-hydroxyvitamin D-1 alpha -hydroxylase ("1 alpha -OHase") with or without a gene coding for the vitamin D receptor to the target cell to increase production of 1,25(OH)₂D or analog thereof within the target cell, thereby inhibiting cellular proliferation. In another embodiment of the invention, the method of administering a gene coding for 1 alpha -OHase with or without a gene coding for the vitamin D receptor to a target cell or tissue is used in the treatment of hyperproliferative cell disorders, disorders of hair growth, and disorders of calcium and bone metabolism in animals.

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