

Title (en)

USE OF LIPOXYGENASE INHIBITORS AS ANTI-CANCER THERAPEUTIC AND INTERVENTION AGENTS

Title (de)

VERWENDUNG VON LIPOXYGENASE-HEMMERN ALS THERAPEUTISCHE UND INTERVENTIONS- ANTIKREBSMITTEL

Title (fr)

UTILISATION D'INHIBITEURS DE LA LIPOXYGENASE EN TANT QU'AGENTS ANTICANCEREUX THERAPEUTIQUES ET D'INTERVENTION

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Application

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Abstract (en)

[origin: WO9524894A2] The present method provides a method for treating an epithelial cell-derived cancer in a subject in need of such treatment which comprises administering to the subject an amount of a 5-lipoxygenase inhibitor or derivative thereof effective to treat the epithelial cell-derived cancer. The present invention also provides a method for preventing an epithelial cell-derived cancer in a subject in need of such prevention which comprises administering to the subject an amount of a 5-lipoxygenase inhibitor effective to prevent the epithelial cell-derived cancer. Suitable 5-lipoxygenase inhibitors useful for the methods of the present invention preferably include 2-(12-Hydroxydodeca-5,10-dienyl)-3,5,6-trimethyl-1,4-benzoquinone and derivatives thereof; Nordihydroguaiaretic acid and derivatives; and 3-[1-(4-chlorobenzyl)-3-t-butyl-thio-t-isopropyl-indol-2-yl]-2,2-dimethylpropanoic acid and derivatives thereof. Also intended to be encompassed by this invention are hydroxyurea derivatives as inhibitors of 5-lipoxygenase inhibitors for use in the prevention and treatment of epithelial cell-derived cancers.

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