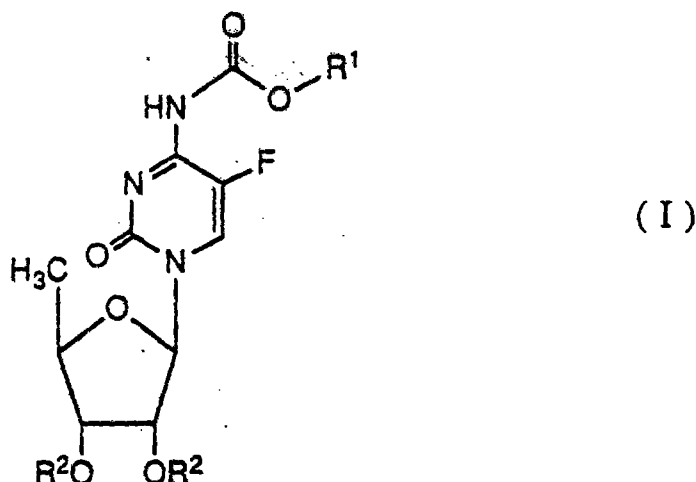


N-Oxycarbonyl substituted 5'-deoxy-5-fluorocytidines

Abstract

Compounds represented by the general formula (I),



- 5 wherein R^1 is a saturated or unsaturated, straight or branched hydrocarbon radical [wherein the number of carbon atoms in the longest straight chain of this hydrocarbon radical ranges from three to seven], or a radical of the formula $-(CH_2)_n-Y$ [in which n is an integer from 0 to 4, when Y is a cyclohexyl radical, or n is an integer from 2 to 4, when Y is a lower alkoxy radical having 1 to 4 carbon atom(s) or a phenyl radical], and R^2 is a hydrogen atom or a radical easily hydrolyzable under physiological conditions,
- 10 as well as hydrates or solvates of the compounds of the general formula (I), can be utilized in the treatment of tumors. They can be prepared by reacting
- 15 a compound of formula $R^1-OCOCl$ with a N^4 -unsubstituted 5'-deoxy-5-fluorocytidine of the above formula I, wherein R^2 would stand for protecting groups, and if necessary removing the protecting groups.

