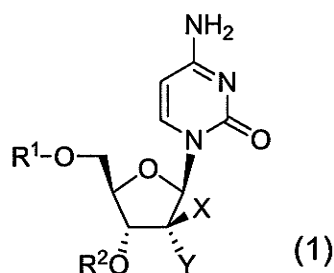


Abstract

A novel pyrimidine nucleoside compound represented by the following formula (1):

[F1]



(wherein one of X and Y represents a cyano group, and the other represents a hydrogen atom; one of R¹ and R² represents a hydrogen atom, a carbonyl group having a C1-C6 alkyl group which has been mono-substituted by an amino group, or a group represented by (R³) (R⁴) (R⁵)Si-, and the other represents a silyl group represented by (R⁶) (R⁷) (R⁸)Si-, or R¹ and R² together form a 6-membered cyclic group represented by -Si(R⁹) (R¹⁰)-; R³, R⁴, R⁵, R⁶, R⁷, and R⁸ each represent an alkyl group, a cyclic alkyl group, an aryl group, or an alkyl group which has been substituted by one or two aryl groups; and R⁹ and R¹⁰ each represent an alkyl group) or a salt thereof. The novel pyrimidine nucleoside compound exhibits excellent anti-tumor effect as compared with existing pyrimidine nucleoside compounds.