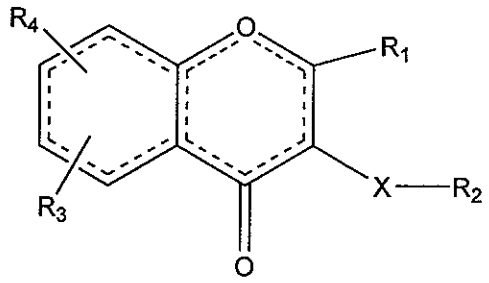
ABSTRACT

BENZOPYRANONE DERIVATIVES AND THEIR USE AS ANTI-VIRAL AGENTS

A pharmaceutical composition comprising a compound represented by the following formula (I):



(I)

or a pharmaceutically acceptable salt thereof, wherein

------ is an optional double bond;

X is independently selected from oxygen (O), nitrogen (N) and sulfur (S);

R1 is an optionally substituted aromatic group;

R2 is selected from the group consisting of straight or branched alkyl, alkenyl, alkynyl, cycloalkyl, lower cycloalkenyl, heterocyclic groups, aromatic groups, heteroaromatic groups, aralkyls, and glycosyl; and

R3 and R4 are independently selected from the group consisting of hydrogen (H), hydroxyl, nitro, amino, cyano, imdide, thiol, alkyl, alkenyl, alkynyl, alkoxy, haloalkyl, optionally substituted cycloalkyl, optionally substituted cycloalkenyl, aralkyl, and glycosyl.