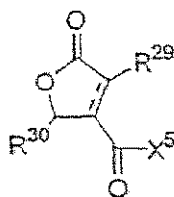


NOVEL COMPOUNDS, PHARMACEUTICAL COMPOSITIONS CONTAINING SAME, AND METHODS OF USE FOR SAME

Abstract

Pharmaceutical composition comprising a pharmaceutical diluent and a compound of formula (IX): $R^{29} = H$, or C_1 - C_{20} alkyl, cycloalkyl, alkenyl, aryl, arylalkyl, or alkylaryl, $=CHR^{31}$, $-C(O)OR^{31}$, $-C(O)R^{31}$, $-CH_2C(O)OR^{31}$, $CH_2C(O)NHR^{31}$, where R^{31} is H or C_1 - C_{10} alkyl, cycloalkyl, or alkenyl; $R^{30} = C_1$ - C_{20} alkyl, cycloalkyl, alkenyl, aryl, arylalkyl, or alkylaryl; $X^5 = -OR^{32}$, or NHR^{32} , Where R^{32} is H, C_1 - C_{20} alkyl, cycloalkyl, alkenyl, aryl, arylalkyl, or alkylaryl, the R^{32} group optionally containing a carbonyl group, a carboxyl group, a carboxyamide group, an alcohol group, or an ether group, the R^{32} group further optionally containing one or more halogen atoms; with the proviso that when R^{29} is $=CH_2$, then X^5 is not OH. Also disclosed are compounds within the scope of the formula (IX), as well as uses of the pharmaceutical compositions for weight loss, anti-microbial and anti-cancer applications, inhibition of fatty acid synthase and neuropeptide-Y, and the stimulation of the activity of carnitine palmitoyl transferase-1.



(IX)