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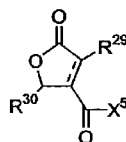
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(54) Title: NOVEL COMPOUNDS, PHARMACEUTICAL COMPOSITIONS CONTAINING SAME, AND METHODS OF USE FOR SAME



(IX)

(57) Abstract: Pharmaceutical composition comprising a pharmaceutical diluent and a compound of formula IX: R²⁹ = H, or C₁-C₂₀ alkyl, cycloalkyl, alkenyl, aryl, arylalkyl, or alkylaryl, =CHR³¹, -C(O)OR³¹, -C(O)R³¹, -CH₂C(O)OR³¹, CH₂C(O)NHR³¹, where R³¹ is H or C₁-C₁₀ alkyl, cycloalkyl, or alkenyl; R³⁰ = C₁-C₂₀ alkyl, cycloalkyl, alkenyl, aryl, arylalkyl, or alkylaryl; X⁵ = -OR³², or NHR³², Where R³² is H, C₁-C₂₀ alkyl, cycloalkyl, alkenyl, aryl, arylalkyl, or alkylaryl, the R³² group optionally containing a carbonyl group, a carboxyl group, a carboxamide group, an alcohol group, or an ether group, the R³² group further optionally containing one or more halogen atoms; with the proviso that when R²⁹ is =CH₂, then X⁵ 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.



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