

[54] LONG-CHAIN α,ω -DICARBOXYLIC ACIDS AND DERIVATIVES THEREOF AND PHARMACEUTICAL COMPOSITIONS CONTAINING THEM

[75] Inventor: Jacob Bar-Tana, Jerusalem, Israel

[73] Assignee: Epis S.A., Zug, Switzerland

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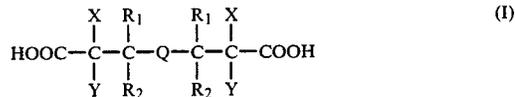
Primary Examiner—Joseph Paul Brust

Attorney, Agent, or Firm—Browdy and Neimark

[57]

ABSTRACT

A novel class of compounds has been found to be effective in blocking cholesterol and neutral lipid synthesis in-vivo without adversely affecting energy metabolism, useful for the treatment of obesity, hyperlipidemia and maturity-onset diabetes. The active compounds have the general formula



or in-vivo hydrolyzable functional derivatives of the carboxylic groups thereof,

wherein

R₁ and R₂ each independently represents an unsubstituted or substituted hydrocarbyl or heterocyclyl radical;

X and Y each independently represents hydrogen, optionally substituted lower alkyl, halogen, cyano, carboxy, lower alkoxy-carbonyl or carbamoyl; and

Q represents a diradical consisting of a linear chain of 8 to 14 carbon atoms, one or more of which may be replaced by heteroatoms, said chain being optionally substituted by inert substituents and one or more of said carbon or heteroatom chain members optionally forming part of a ring structure.

19 Claims, 8 Drawing Figures