

[54] **PHYSIOLOGICALLY ACTIVE SUBSTANCES**

[75] Inventors: **Akira Endo; Masao Kuroda; Akira Terahara; Yoshio Tsujita; Chihiro Tamura**, all of Tokyo, Japan

[73] Assignee: **Sankyo Company Limited**, Tokyo, Japan

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[52] U.S. Cl..... **260/343.5; 195/81; 424/279**

[51] Int. Cl.²..... **C07D 309/30**

[58] Field of Search..... **260/343.5**

[56] **References Cited**

UNITED STATES PATENTS

3,842,092 10/1974 Thiele et al..... 260/343.5

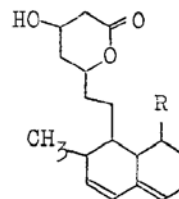
Primary Examiner—Henry J. Jiles

Assistant Examiner—C. M. S. Jaisle

Attorney, Agent, or Firm—Flynn & Frishauf

[57] **ABSTRACT**

Physiologically active substances ML-236 of the formula



(I)

wherein R is hydrogen atom, hydroxy group or 2-methylbutyryloxy group having cholesterol- and lipid-lowering effects in blood and liver and thus utility as hypocholesteremic and hypolipemic medicaments. They are obtained by cultivation of an ML-236-producing microorganism belonging to the genus *Penicillium* in a culture medium and subsequent recovery thereof from a cultured broth.

4 Claims, 6 Drawing Figures

FIG. 1

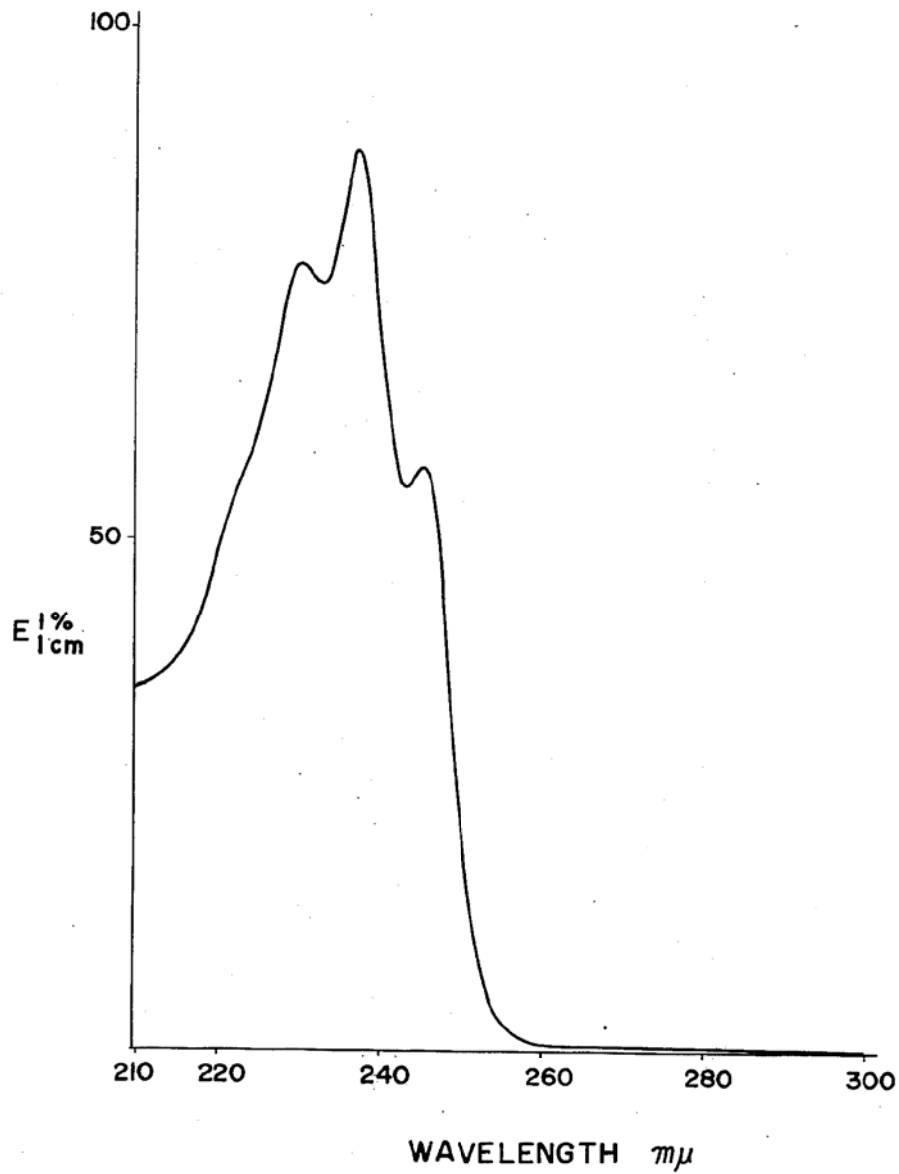


FIG. 2

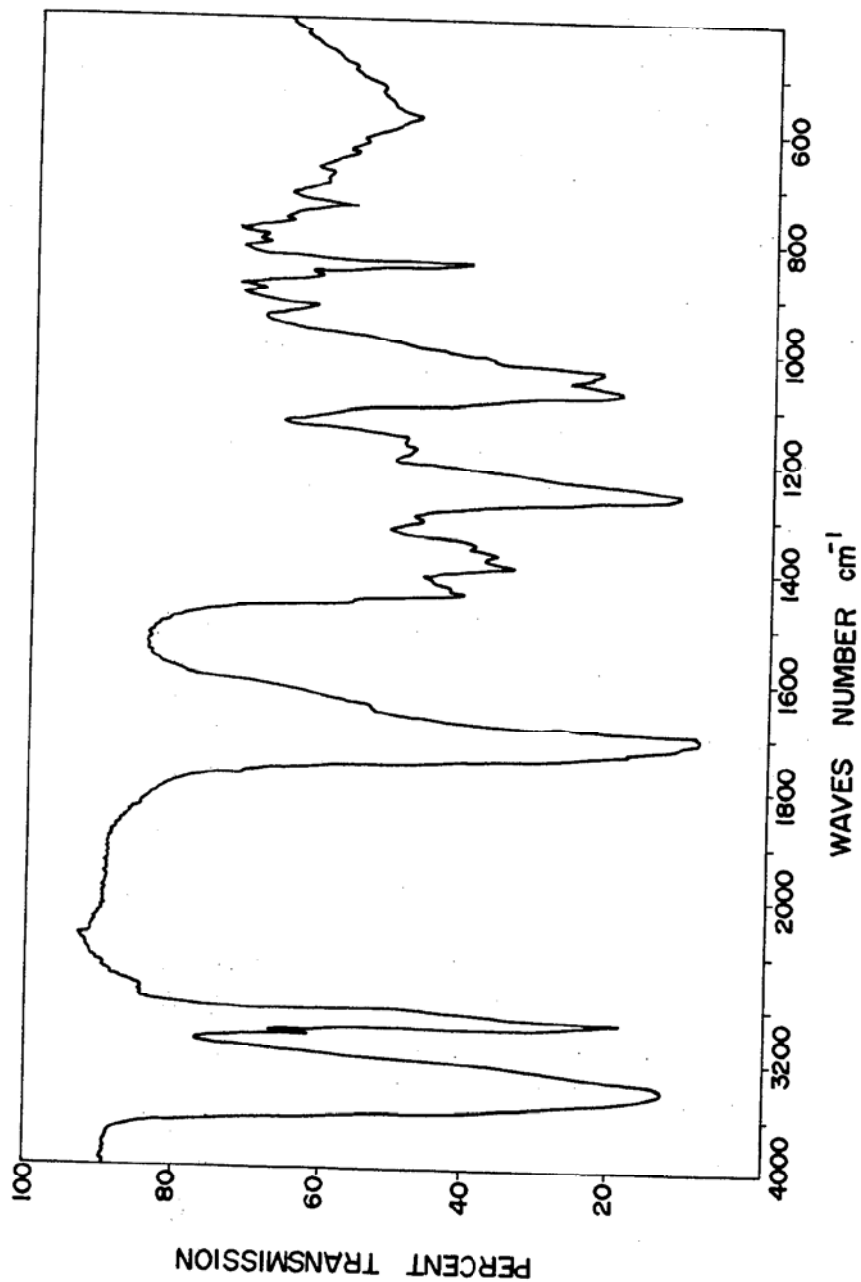


FIG. 3

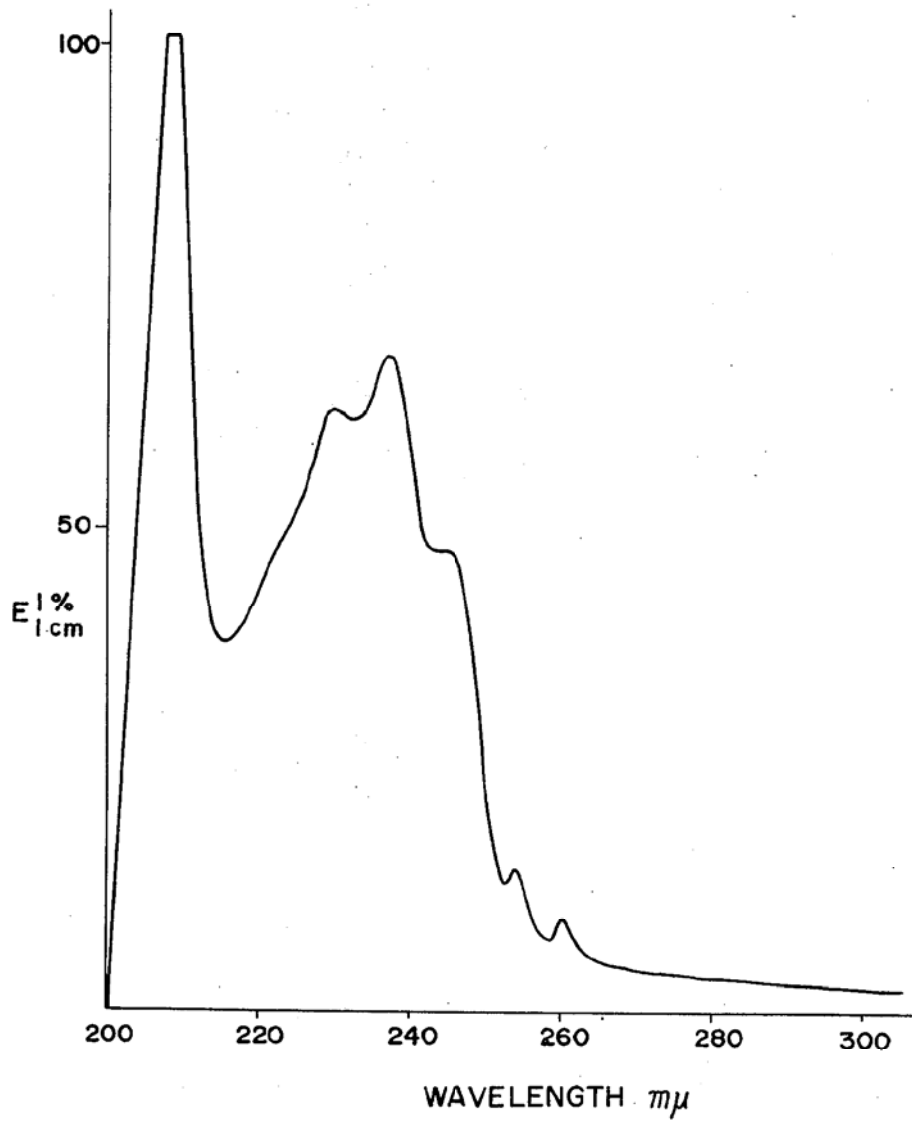
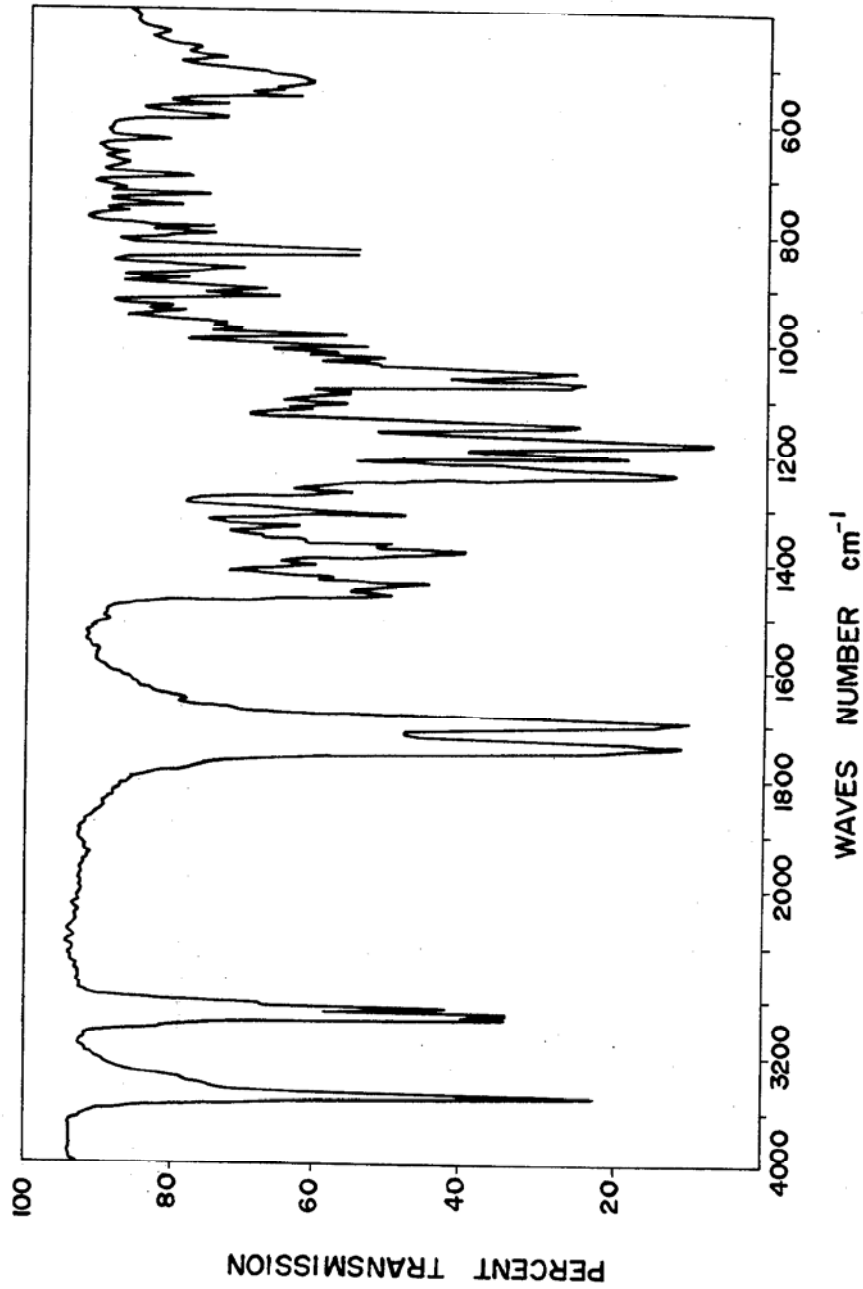


FIG. 4



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