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| Title | Ganoderic acid and its derivatives as cholesterol inhibitors |
| Sub Title | |
| Author | 菰田, 泰夫(Komoda, Yasuo) 清水, 正人(Shimizu, Masato) 園田, よし子(Sonoda, Yoshiko) 佐藤, 良博(Sato, Yoshihiro) |
| Publisher | 共立薬科大学 |
| Publication year | 1989 |
| Jtitle | 共立薬科大学研究年報 (The annual report of the Kyoritsu College of Pharmacy). No.34 (1989.) ,p.99- 99 |
| JaLC DOI | |
| Abstract | |
| Notes | 抄録 |
| Genre | Technical Report |
| URL | https://koara.lib.keio.ac.jp/xoonips/modules/xoonips/detail.php?koara_id=AN00062898-00000034-0099 |

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Ganoderic Acid and Its Derivatives as Cholesterol Inhibitors*

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Oxygenated lanosterol derivatives, which were isolated from *Ganoderma lucidum* (Polyporaceae) or their derivatives obtained by chemical conversion, were tested for their effect on cholesterol biosynthesis from 24,25-dihydrolanosterol by rat hepatic subcellular 10,000×g supernatant fraction. The sterol (40 μM) with 7-oxo and 15α-hydroxy groups potently inhibited the synthesis of cholesterol from [24,25-³H]-24,25-dihydrolanosterol (18 μM).

* 本報告は *Chem. Pharm. Bull.*, 37, 531—533 (1989) に発表.

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