



Cholesterol-lowering Activity of *Persea americana* Mill.

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SUMMARY. Several plant extracts were screened for their 3-hydroxy-3-methylglutaryl coenzyme A reductase inhibitory activity. *Persea americana* Mill. was one of the most active extracts. The bioactive component was identified using bioassay-guided scheme through the use of various chromatographic techniques. Quercitrin and afzelin were identified using LC-MS techniques.

RESUMEN. Se examinaron varios extractos de plantas por su actividad inhibidora de la 3-hidroxi-3-metilglutaril coenzima A reductasa. *Persea americana* Mill. fue uno de los extractos más activos. El componente bioactivo se identificó mediante un esquema guiado por bioensayos mediante el uso de diversas técnicas cromatográficas. La quercitrina y la afzelina se identificaron mediante técnicas de LC-MS.

KEY WORDS: enzyme inhibition, Lauraceae, *Persea americana*, plant extracts.

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