

Monoterpene glycosides and triterpene acids from

Eriobotrya deflexa.

李宗徽

Lee TH; Lee SS; Kuo YC; Chou CH

Abstract

A phytochemical study on a methanolic extract of leaves of *Eriobotrya deflexa* led to the isolation and characterization of nine terpenoid compounds. Four of these are new chemical entities, including two monoterpene glycosides, (3*S*)-*O*- α -L-rhamnopyranosyl-(1 \rightarrow 3)-[4-*O*-(*E*)-coumaroyl]- α -L-rhamnopyranosyl-(1 \rightarrow 6)- β -D-glucopyranosyl-linalool (1) and (3*S*)-*O*- α -L-rhamnopyranosyl-(1 \rightarrow 3)-[4-*O*-(*Z*)-coumaroyl]- α -L-rhamnopyranosyl-(1 \rightarrow 6)- β -D-glucopyranosyl-linalool (2), and two triterpene acids, 1 β ,2 α ,19 α -trihydroxy-3-oxo-12-ursen-28-oic acid (3) and 2 α ,3 α ,19 α -trihydroxy-12-oleanen-28-oic acid (4). Their structures were elucidated on the basis of spectroscopic analysis. The activities of these isolates in an *in vitro* antiproliferation test were also determined.