Chemical Constituents and Their Activities From the Twigs of *Euscaphis konishii* Hayata.

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Supplementary data

Abstract
A new ellagic acid derivative 3,3′-di-O-methylellagic acid 4′-α-L-arabinopyranoside (1), with nine known compounds identified as: 3,3′-di-O-methylellagic acid (2), 3,3′-di-O-methylellagic acid 4′-α-D-arabinofuranoside (3), 3,3′-di-O-methylellagic acid 4′-β-D-glucopyranoside (4), 3,3′-di-O-methylellagic acid 4′-β-D-xylopyranogluicoside (5), 3,3′,4-tri-O-methylellagic acid 4′-β-D-glucopyranoside (6), tormentic acid (7), ursolic acid (8), euscaphic acid (9), and betulinic acid (10), was isolated from the twigs of *Euscaphis konishii* Hayata. The compounds 1, 3, 5-7 were isolated from this plant for the first time, and compounds 1 and 5 were obtained from the plant’ genus for the first time. The structure of the new compound was confirmed by HRESIMS, NMR, and compared with data from the literature. The cytotoxicities of the ten isolated compounds were tested, with compounds 1-6 showing moderately inhibited activity against the Human Hepatocarcinoma cell line (HepG2 cells) with an IC₅₀ value ranging from 69.73 µM to 181.83 µM.
Fig. 1 $^1$H-NMR of compound 1

Fig. 2 $^{13}$C-NMR of compound 1
Fig. 3 $^1$H-$^1$H COSY of compound 1

Fig. 4 HSQC of compound 1
Fig. 5 HMBC of compound 1

Fig. 6 DEPT of compound 1
Fig. 7  NOESY of compound 1

Fig. 8  HRESIMS of compound 1
Fig. 9 IR of compound 1

Fig. 10 CD of compound 1