Supporting Information

Evaluation of Cytotoxic and Antitumour Properties of *Apodytes dimidiata* and Characterisation of the Bioactive Component

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**Fig. 1S** UV-visible spectra of (A) the standard genipin and (B) fraction B of *A. dimidiata*. The standard genipin (1 mg/3 mL) and fraction B (1.2 mg/3 mL) were dissolved in methanol, the absorbance was scanned from 200 to 700 nm, and the data was analysed with UV/Win 5 software.
**Fig. 2S** High-performance thin-layer chromatography (HPTLC) of (a) AMF (20 mg/mL) showing six fractions (A-F), (b) the standard genipin (0.5 mg/1 mL), and (c) fraction B (1 mg/5 mL). HPTLC was performed using a CAMAG system by spotting 10 μL into a silica gel plate (20 × 20 cm²; Merck, silica gel 60 F₂₅₄); ethyl acetate:n-hexane (5:5 v/v) was used as the solvent system. The plate was visualised under TL-600 UV at 254 and 366 nm.
Fig. 3S HPLC chromatogram of (A) the crude methanolic extract, (B) AMF, (C) the standard genipin, and (D) fraction B of A. dimidiata. A Shimadzu SPD-10AVP HPLC system equipped with a UV-visible detector was used. The crude methanolic extract (40 mg/mL), AMF (30 mg/mL), the standard genipin (0.5 mg/mL), and fraction B (0.4 mg/mL) were dissolved in methanol and injected (20 μL) into an end-capped, Purospher Star column RP-18 (5 μm, 250 × 4.60 mm size) (Merck), and the column was eluted with acetonitrile/ortho-phosphoric acid (0.01 M, pH 4) in a ratio of 55:45 with a flow rate of 1 mL/min. The column temperature was maintained at 25°C.
**Fig. 4S** LC-MS spectra of (A) fraction B and (B) the standard genipin using the column Eclipse Plus C18 4.6 × 250 mm, 5 µm; mobile phase: 5 mM ammonium formate:acetonitrile (50:50), flow rate 1 mL/min, wavelength 240 nm, column oven temperature 25°C.
**Fig. 5S** $^1$H NMR (500 MHz, CDCl$_3$) analysis spectrum of (A) fraction B and (B) the standard genipin.
Fig. 6S Structure of fraction B.