

Prenylated Dihydrochalcones from *Eriosema montanum* with Antibacterial and Cytotoxic Activity

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- Two new prenylated dihydrochalcones (**1**, **2**) and eighteen known secondary metabolites (**3–20**) were isolated from the CH₂Cl₂-MeOH (1:1) extracts of the roots, the stem bark and the leaves of *E. montanum* (Fig. 1).

- Their structures were characterized by NMR, IR, and UV spectroscopic and mass spectrometric analyses.
- The structures of compounds **5**, **10**, **11** and **13** were confirmed by single crystal X-ray diffraction.

- The leaf crude extract and compounds **1–4** and **10** were active against *B. subtilis* with MIC ranging from 3.1 to 8.9 µM.
- The cpds **1**, **3** and **4** showed highest cytotoxicity: 7.0, 18.0 and 18.0 µM, against MCF-7 cells.

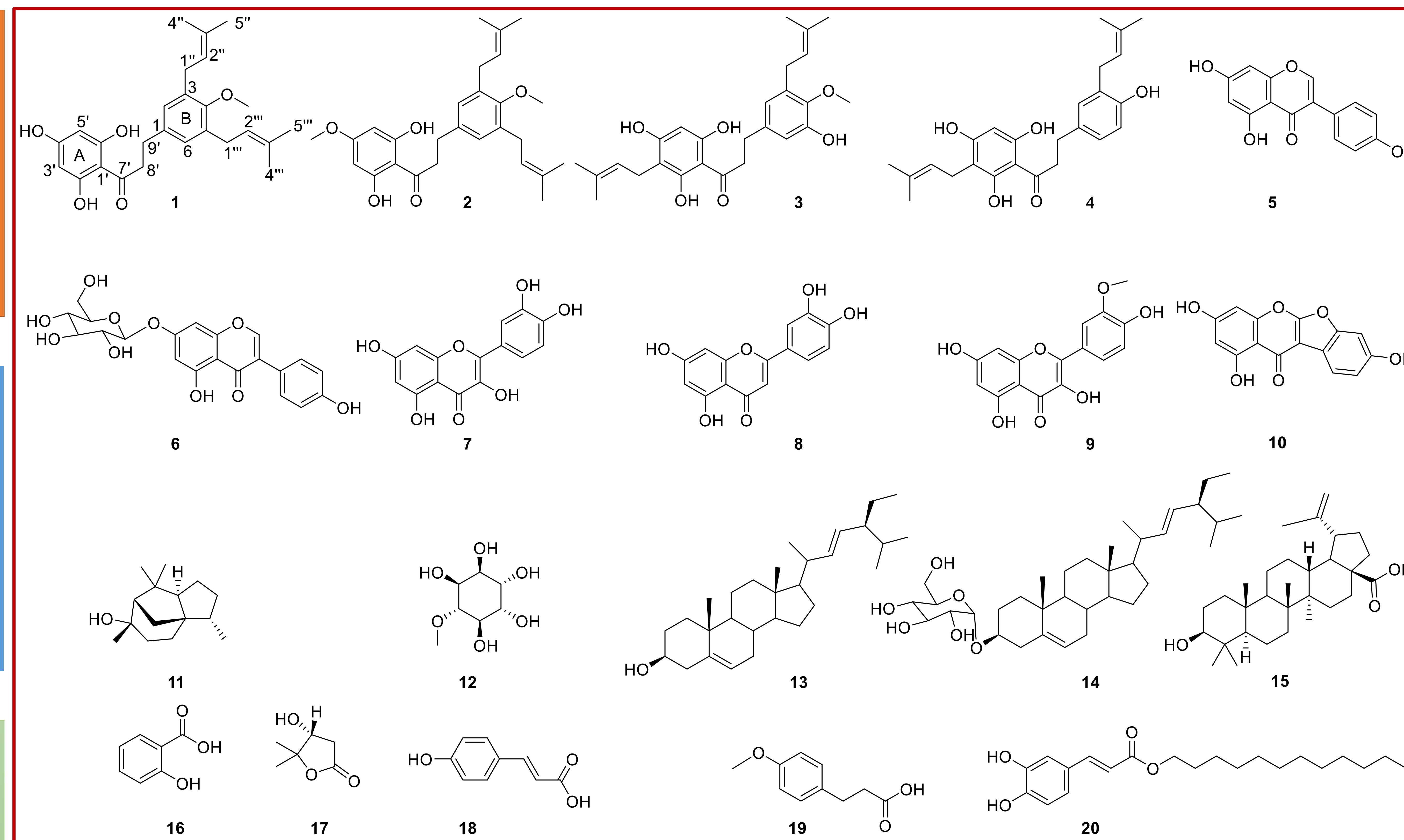


Fig. 1. The structures of isolated compounds from *E. montanum*

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