

# Hydroxyespintanol and schefflerichalcone: two new compounds from *Uvaria scheffleri*.

## **Abstract:**

A chemical investigation of the petroleum ether extract and chloroform extract of the root of *Uvaria scheffleri* Diels (Annonaceae) led to the isolation of two new compounds, named hydroxyespintanol (1) and schefflerichalcone (2), together with eight known compounds (3-10). The structural elucidation of compounds 1 and 2 by spectroscopic studies is described. The cytotoxicity of the isolated compounds against human promyelocytic leukemia HL-60 cells was studied. Among these, 2'-hydroxy-3',4',6'-trimethoxychalcone (5) exhibited cytotoxicity (IC<sub>50</sub> 12 microM), and espintanol (3), which was the main ingredient, also showed some cytotoxicity (IC<sub>50</sub> 44 microM)