Cytotoxic constituents from the bark of *Chisocheton cumingianus* (Meliaceae)


Abstract

A new lanostane-type triterpenoid, 3β-hydroxy-25-ethyl-lanost-3β,4(24)-diene (1), along with 3β-hydroxy-lanost-4-ene (2) and 3β-hydroxy-lanost-4-ene-3-O-acetate (3) was isolated from the stem bark of *C. cumingianus*. The chemical structure of the new compound was elucidated on the basis of spectroscopic data. All of the compounds were evaluated for their cytotoxic effects against P-388 murine leukemia cells. Compounds 1-3 showed cytotoxicity against P-388 murine leukemia cells with IC₅₀ values of 29.8 ± 0.10, 4.29 ± 0.03, and 100.18 ± 0.16 µg/mL, respectively.

Keywords: Lanostane-type triterpenoid, *Chisocheton cumingianus*, cytotoxic activity, Meliaceae