SUPPLEMENTARY MATERIAL

Cytotoxic monoterpenoid indole alkaloids isolated from the barks of *Voacanga africana* staph

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Abstract

A new monoterpenoid indole alkaloid compound (**1**) and six known monoterpenoid indole alkaloids compounds (**2-7**) were isolated from the barks of *Voacanga africana* Staph. The structures were established by spectral analysis as ibogamine-16-carboxylic acid, 17, 20-didehydro-5, 6-dioxo-10-methoxy-methyl ester (**1**), voacamine (**2**), vobasine (**3**), voacangine (**4**), voacristine (**5**), 19-epi-voacristine (**6**) and 19-epi-heyneanine (**7**). Compound **1** was confirmed by X-ray crystallographic analysis. All of the isolated compounds were evaluated for cytotoxicity against five cell lines (HEPG-2, A375, MDA-MB-231, SH-SY5Y, CT26). Among them, compounds **2**, **6** displayed significant inhibitory activities, compounds **3**, **4**, **5** showed moderate inhibitory activities, while compounds **1** and **7** showed no inhibitory activities against the five cell lines.

Keywords: *voacanga africana* staph; monoterpenoid indole alkaloids; cytotoxicity

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Fig. S6. ^{13}C DEPT 90° (100 MHz, $\text{DMSO}-d_6$) spectrum of compound **1**

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