

OR-21**Antiplasmodial Active Compound from Hernagine Type of Aporphine Alkaloids**

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Phytochemistry investigation on alkaloids from *Alseodaphne pendulifolia* Gamb. yielded 3 types of aporphines; Hernagine **1**, *N*-methylhernagine **2**, and Oxohernagine **3**. Preliminary screening on alkaloids crude extract from this species exhibited an antiplasmodial activity (0.804 µg/ml IC₅₀) against *Plasmodium falciparum*, K1 isolate (resistant strain). Further investigation on isolated compound were found to possess antiplasmodial activity (0.738 - 1.814 µg/ml IC₅₀). This study involves extraction, separation by using various chromatography methods and structural elucidation by spectroscopic technique such as IR, NMR including 1D, 2D-NMR and MS.

Keywords: Aporphine, Alkaloid, Hernagine, *Alseodaphne pendulifolia*, Antiplasmodial.
