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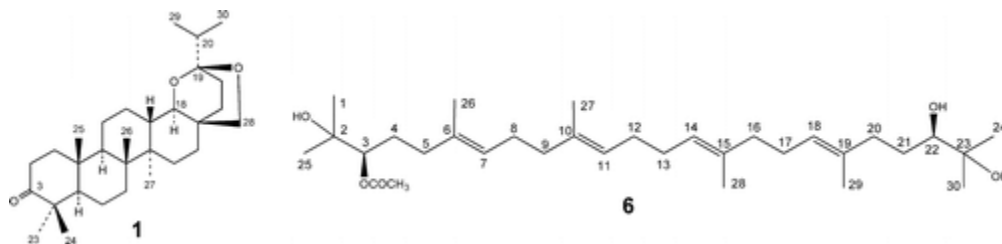
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Abstract



From the stem bark of *Ekebergia capensis*, 10 new triterpenoid compounds, ekeberins A (**1**), B (**2**), C₁ (**3**), C₂ (**4**), C₃ (**5**), D₁ (**6**), D₂ (**7**), D₃ (**8**), D₄ (**9**), and D₅ (**10**), were isolated together with 17 known compounds. The structures of these new compounds were elucidated on the basis of the results of spectroscopic analysis, and the absolute configuration of compounds **6–10** were

determined by partial synthesis from known compounds and using the Mosher ester method. Several of these compounds were screened in vitro against both chloroquine (CQ)-sensitive and -resistant *Plasmodium falciparum* isolates and were found to exhibit moderate antiplasmodial activity, with compounds **20** (7-deacetoxy-7-oxogedunin) and **27** (2-hydroxymethyl-2,3,22,23-tetrahydroxy-2,6,10,15,19,23-hexamethyl-6,10,14,18-tetracosatetraene) showing IC₅₀ values of 6 and 7 μM, respectively. Compound **27** at a dose of 500 mg/kg showed moderate parasitemia suppression of 52.9% against *P. berghei* NK 65 in a mouse model.