Anti-staphylococcal activity of ent-kaurane-type diterpenoids from Croton tonkinensis

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Abstract: Ent-kaurane-type diterpenpoids 1-11, isolated from the dried leaves of the endemic Vietnamese medicinal plant Croton tonkinensis Gagnep. (Euphorbiaceae), were evaluated for inhibitory activity against Staphylococcus aureus and methicillin-resistant S. aureus (MRSA) strains. The most active diterpenoids, 2, 3, and 8, exhibited minimum inhibitory concentrations (MICs) of 32, 500, and 125 ?g/ml, respectively, against MRSA strains. ?? 2005 The Japanese Society of Pharmacognosy and Springer.

Author Keywords: Croton tonkinensis; Diterpenoid; Ent-kaurane; Euphorbiaceae; MRSA; Staphylococcus aureus

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