

Project Title

Traditional medicinal plant of Thailand IV
"Studies on active constituents of
Dracaena loureiri"

Name of the Investigators

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ABSTRACT

The heart-wood of *Dracaena loureiri* Gagnep (Agavaceae) was extracted with petroleum ether (40-60°C), chloroform and ethanol successively. The solid from chloroform fraction showed antibacterial activity against *Staphylococcus aureus*, *Escherichia coli* and *Bacillus subtilis*.

Two new homoisoflavonoids were found in this fraction whilst absolute structures have been proposed by means of spectroscopic data. The inhibitory properties of these two compounds tested against the microorganisms by ditch or well cut method are in high effective.

The values of Minimal Inhibitory Concentration (MIC) from our examination were recorded.