

Table (2) - Results of Anti-microbial activities of the sample

Samples	Solvents	Organisms					
		I	II	III	IV	V	VI
Pin Gu Hteik Peik	n-hexane	-	-	-	-	-	-
	EtOAc	-	+	+	+	+	+
	EtOH	+	++	++	++	++	+

Agar well (-) = 7 mm

(+) = 7 mm ~ 11 mm

(++) = 7 mm ~ 16 mm

Organisms I = *Bacillus subtilis*

II = *Staphylococcus aureous*

III = *Pseudomonas aeruginosa*

IV = *Bacillus pumalis*

V = *Candida albican*

VI = *E-Coli*

Extraction and Isolation of unknown organic compound

The air dried sample (400 g) of the plant was percolated with ethanol (2000 ml) for two months. The ethanol extract of the plant was filtered and evaporated at room temperature. The residue was obtained in 350 ml of EtOAc. When EtOAc extract of the plant was filtered and concentrated, the crude sample of the plant was obtained. Then the crude sample was chromatographed on a silica gel, using normal hexane and ethyl acetate as eluent with various ratios from non-polar to polar. The obtained fractions were checked by TLC and the same R_f value fractions were combined. Finally the pure organic compound was obtained from Pink – Gu–Hteik–Peik .

FT-IR assignment of pure unknown organic compounds

The FT-IR spectrum of the unknown compound isolated from the plant was measured at the Department of Chemistry, university of Mandalay.

FT-IR assignment of pure unknown organic compounds

In the spectrum of pure compound, the strong band which occurs at 3425.2 cm^{-1} is due to the –OH stretching vibration of alcohol group. The peak at 3078.2 cm^{-1} shows the presence of sp^2 C-H stretching vibration of alkenic group. The peaks at 2854.5 cm^{-1} and 2931.6 cm^{-1} indicate symmetrical and unsymmetrical stretching vibration of sp^3 hydrocarbon. The band which appears at 1766.7 cm^{-1} shows C=O stretching vibration band of carbonyl group. The band appears at 1643.2 cm^{-1} which give the presence of C=C stretching vibration of conjugated diene. The peak at 1458.1 cm^{-1} is assumed to be inplane bending vibration of allylic hydrocarbon. The bend at 1357.8 cm^{-1} indicates C-H out of plane bending vibration of