LIST OF FIGURES

Figures of chapter I

Figure. 1. Anticancer drugs.

Figure. 2. Plant-derived Anti-cancer Agents in clinical use.

Figure. 3. Plant-derived Anti-cancer Agents in clinical development.

Figure. 4. Plant-Derived Antitumor Agents in Preclinical development.

Figure. 5. Fluggea Leucopyrus plant.

Figures of chapter II

Figure. 1 a-b. Thin layer chromatogram of ethyl acetate extract of F. leucopyrus.

Figure. 2. IR Spectrum of Undecyl 3-hydroxyl benzoate.

Figure. 3 a-c. $^{13}$C Spectrum of Undecyl 3-hydroxyl benzoate.

Figure. 4 a-b. $^1$H NMR Spectrum of Undecyl 3-hydroxyl benzoate.

Figure. 5 a-c. LC Chromatogram and Mass Spectrum of Undecyl 3-hydroxyl benzoate.

Figure. 6. Flow chart of the isolation of flavonoids from the leaves of Fluggea leucopyrus.

Figures of chapter III

Figure. 1. Chronic exercise produces a cascade of events.

Figure. 2. Percentage inhibition of superoxide radical.

Figure. 3. Percentage inhibition of hydroxyl radical.

Figure. 4. Percentage inhibition of lipid-peroxidation radical.

Figure. 5. Percentage inhibition of DPPH radical.

Figures of chapter IV

Figure. 1. Chart of OECD/OCDE Guidelines 420.

Figure. 2. Measurement of solid tumor volume by calipers.
Figure 3a-b. Antitumor activity of Lecopyrosinol.

Figures of chapter V

Figure 1. Anti inflammatory activity leucopyrosinol.

Figure 2. Anti inflammatory activity ethyl acetate (crude).

Figure 3. Analgesic activity of leucopyrosinol.

Figure 4. Analgesic activity of ethyl acetate (crude).