Fig.1

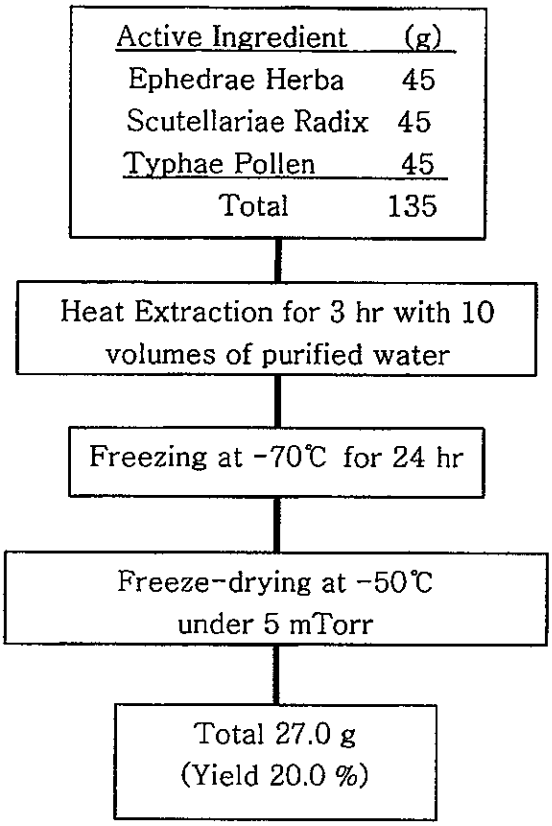

Active Ingredient (g)
Ephedrae Herba 45
Scutellariae Radix 45
Typhae Pollen 45
Total 135
Heat Extraction for 3 hr with 10 volumes of purified water
Freezing at -70℃ for 24 hr
Freeze-drying at -50℃ under 5 mTorr
Total 27.0 g
(Yield 20.0 %)

Fig. 2

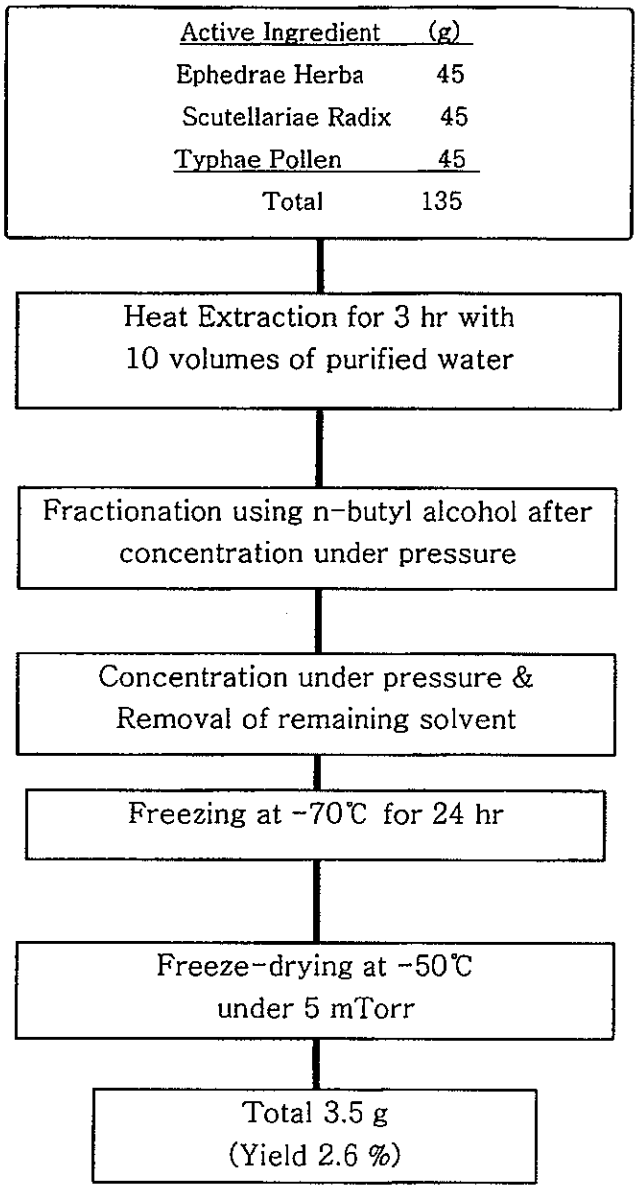

Active Ingredient (g)
Ephedrae Herba 45
Scutellariae Radix 45
Typhae Pollen 45
Total 135
Heat Extraction for 3 hr with 10 volumes of purified water
Fractionation using n-butyl alcohol after concentration under pressure
Concentration under pressure & Removal of remaining solvent
Freezing at -70℃ for 24 hr
Freeze-drying at -50℃ under 5 mTorr
Total 3.5 g (Yield 2.6 %)

Fig.3

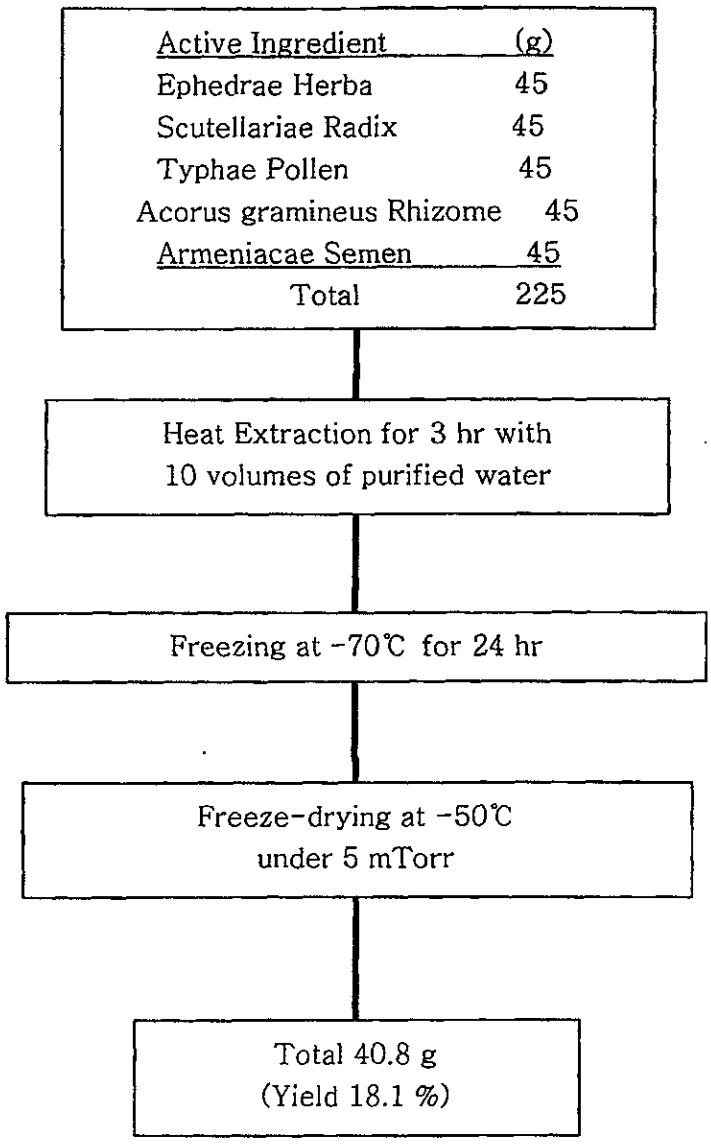

Active Ingredient (g)
Ephedrae Herba 45
Scutellariae Radix 45
Typhae Pollen 45
Acorus gramineus Rhizome 45
Armeniacae Semen 45
Total 225
Heat Extraction for 3 hr with
10 volumes of purified water
Freezing at -70℃ for 24 hr
Freeze-drying at -50℃
under 5 mTorr
Total 40.8 g
(Yield 18.1 %)

Fig.4

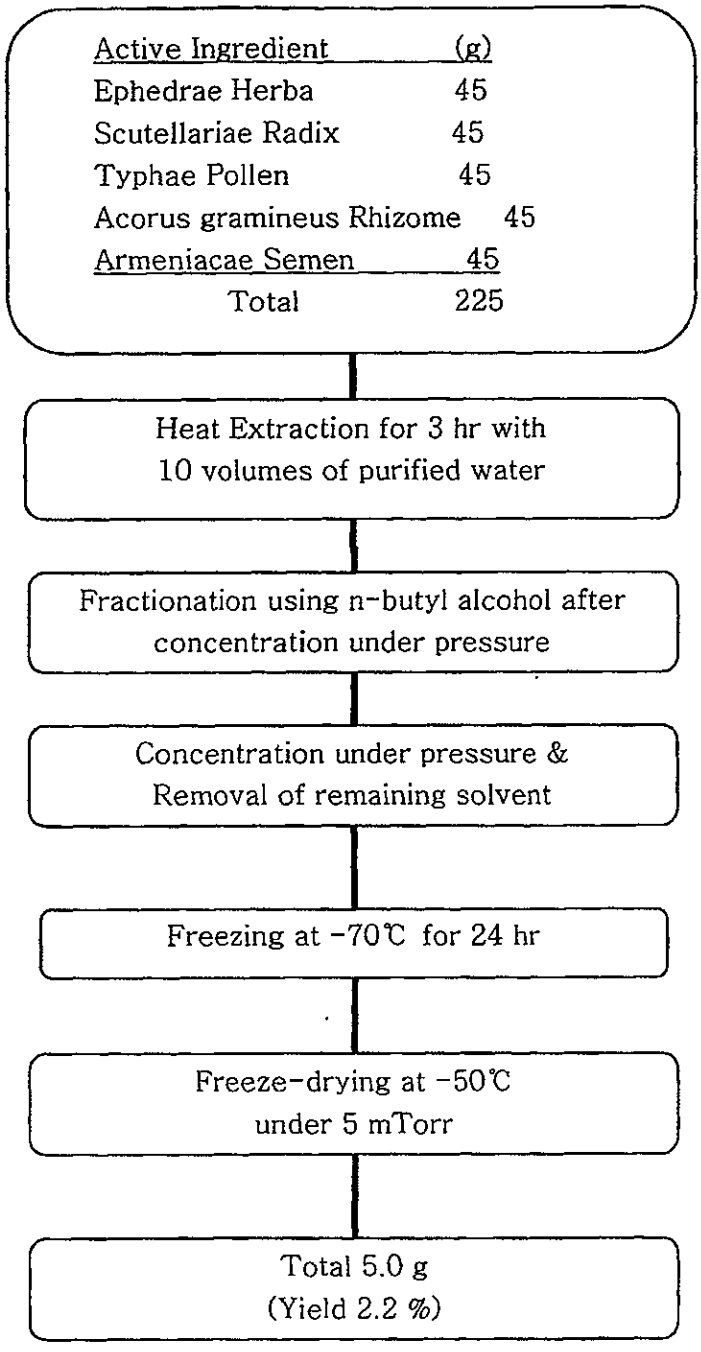

Active Ingredient (g)
Ephedrae Herba 45
Scutellariae Radix 45
Typhae Pollen 45
Acorus gramineus Rhizome 45
Armeniacae Semen 45
Total 225
Heat Extraction for 3 hr with 10 volumes of purified water
Fractionation using n-butyl alcohol after concentration under pressure
Concentration under pressure & Removal of remaining solvent
Freezing at -70℃ for 24 hr
Freeze-drying at -50℃ under 5 mTorr
Total 5.0 g (Yield 2.2 %)

Fig.5

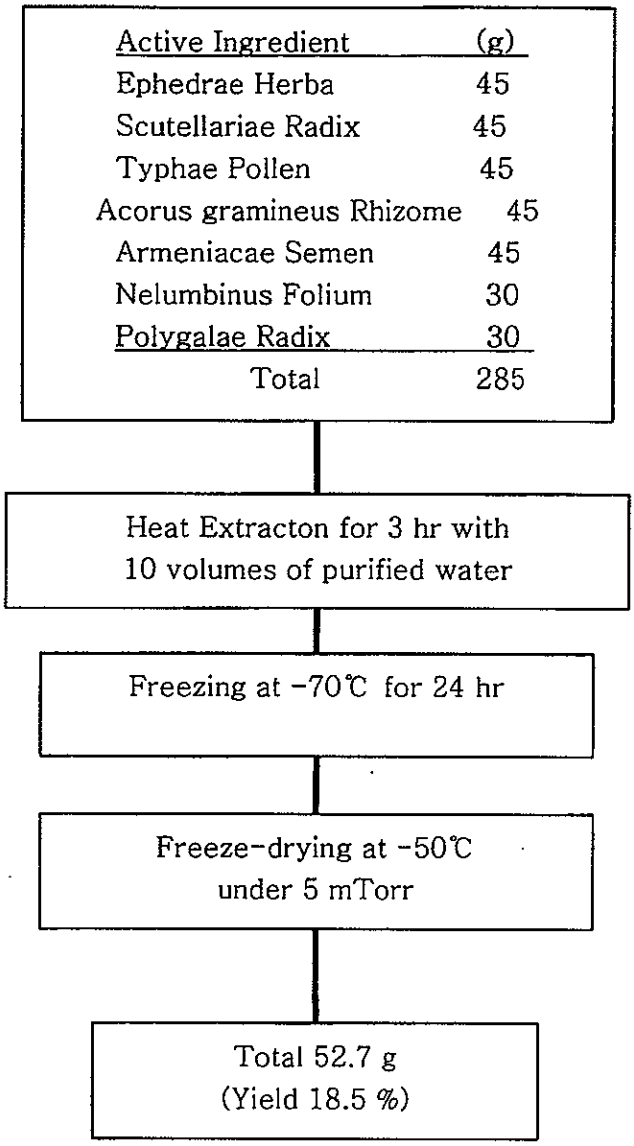

Active Ingredient (g)
Ephedrae Herba 45
Scutellariae Radix 45
Typhae Pollen 45
Acorus gramineus Rhizome 45
Armeniacae Semen 45
Nelumbinus Folium 30
Polygalae Radix 30
Total 285
Heat Extracton for 3 hr with 10 volumes of purified water
Freezing at -70℃ for 24 hr
Freeze-drying at -50℃ under 5 mTorr
Total 52.7 g (Yield 18.5 %)

Fig.6

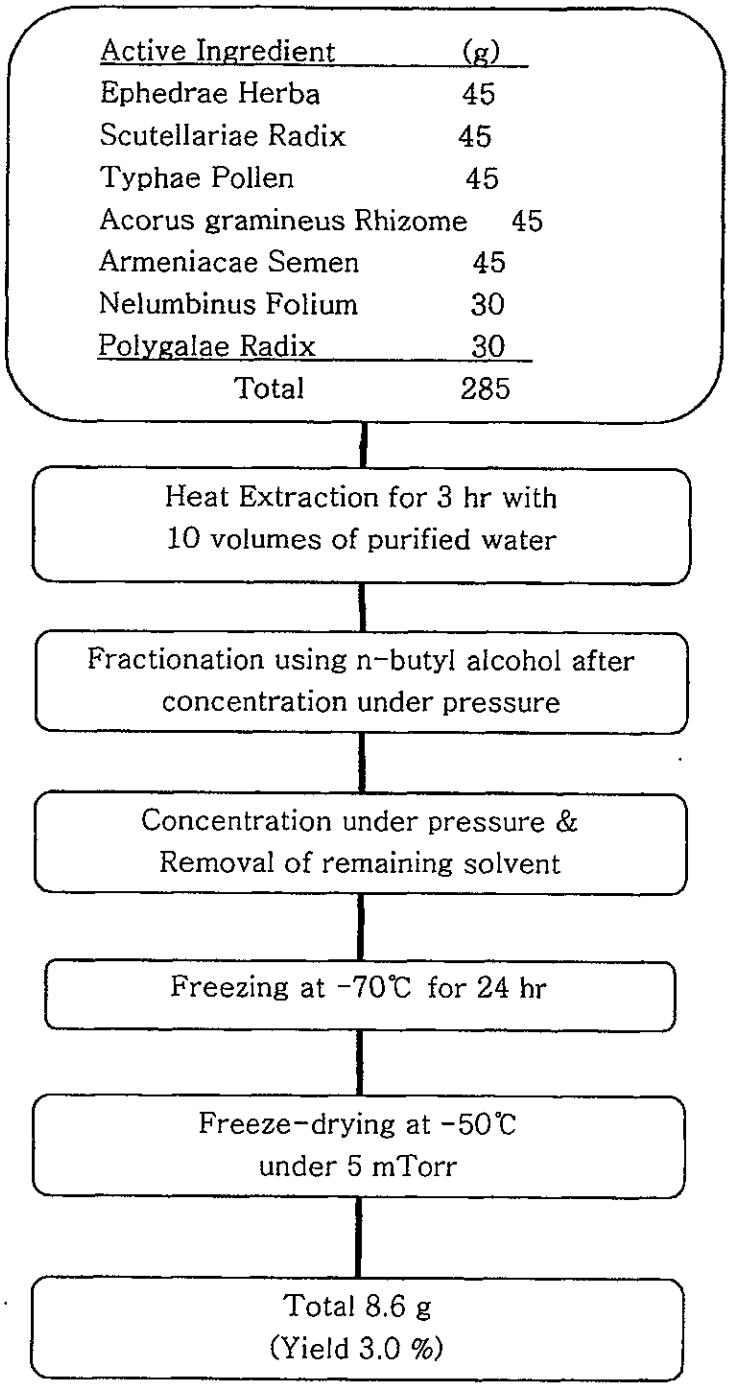

Active Ingredient (g)
Ephedrae Herba 45
Scutellariae Radix 45
Typhae Pollen 45
Acorus gramineus Rhizome 45
Armeniacae Semen 45
Nelumbinus Folium 30
Polygalae Radix 30
Total 285
Heat Extraction for 3 hr with 10 volumes of purified water
Fractionation using n-butyl alcohol after concentration under pressure
Concentration under pressure & Removal of remaining solvent
Freezing at -70℃ for 24 hr
Freeze-drying at -50℃ under 5 mTorr
Total 8.6 g (Yield 3.0 %)

Fig.7

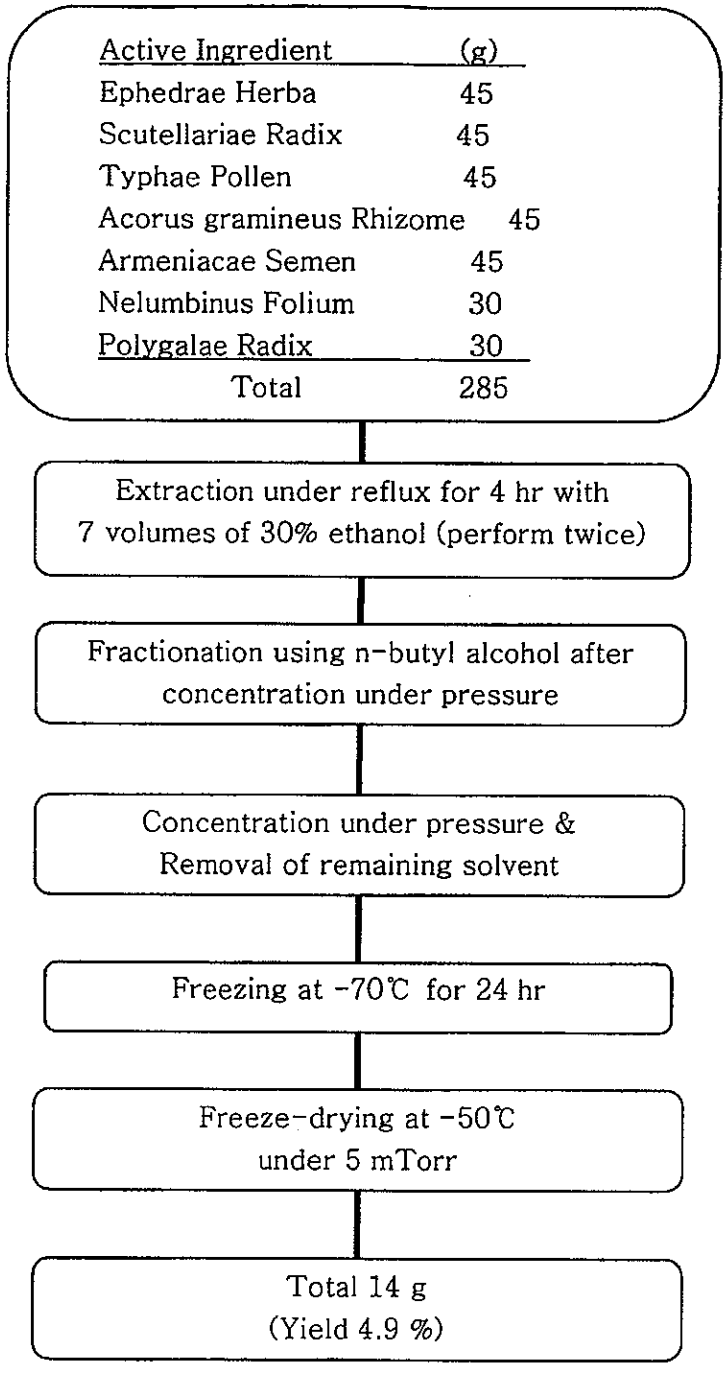

Active Ingredient (g)
Ephedrae Herba 45
Scutellariae Radix 45
Typhae Pollen 45
Acorus gramineus Rhizome 45
Armeniacae Semen 45
Nelumbinus Folium 30
Polygalae Radix 30
Total 285
Extraction under reflux for 4 hr with 7 volumes of 30% ethanol (perform twice)
Fractionation using n-butyl alcohol after concentration under pressure
Concentration under pressure & Removal of remaining solvent
Freezing at -70℃ for 24 hr
Freeze-drying at -50℃ under 5 mTorr
Total 14 g (Yield 4.9 %)

Fig. 8

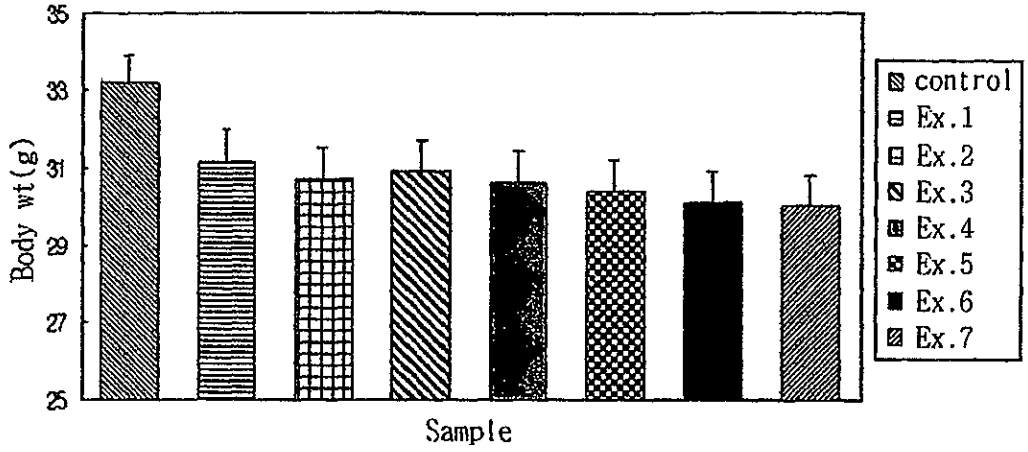

35
33
31
29
27
25
Body wt(g)
Sample
control
Ex.1
Ex.2
Ex.3
Ex.4
Ex.5
Ex.6
Ex.7

Fig. 9

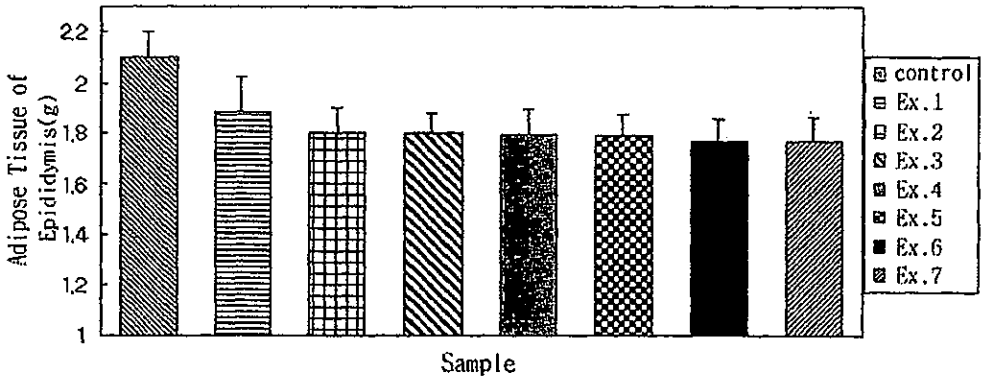

2.2
2
1.8
1.6
1.4
1.2
1
Adipose Tissue of Epididymis(g)
Sample
control
Ex.1
Ex.2
Ex.3
Ex.4
Ex.5
Ex.6
Ex.7

Fig.10

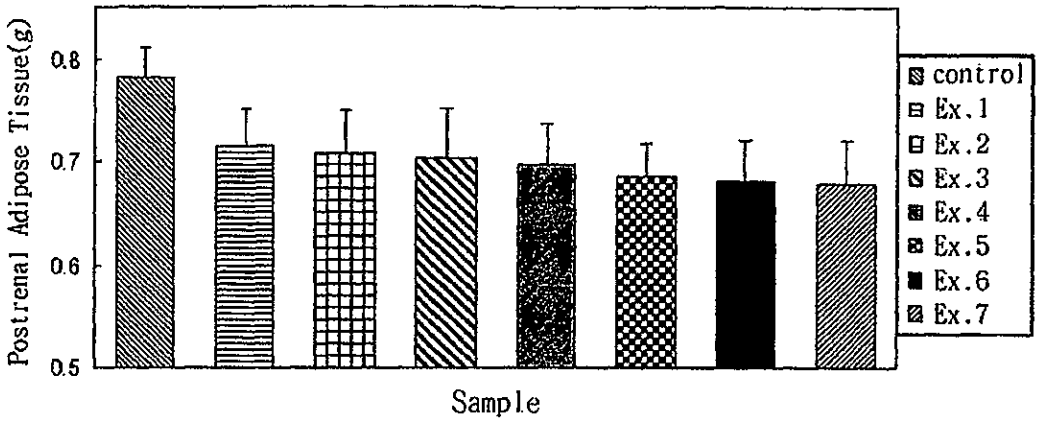

Postrenal Adipose Tissue(g)
0.8
0.7
0.6
0.5
Sample
control
Ex.1
Ex.2
Ex.3
Ex.4
Ex.5
Ex.6
Ex.7

Fig.11

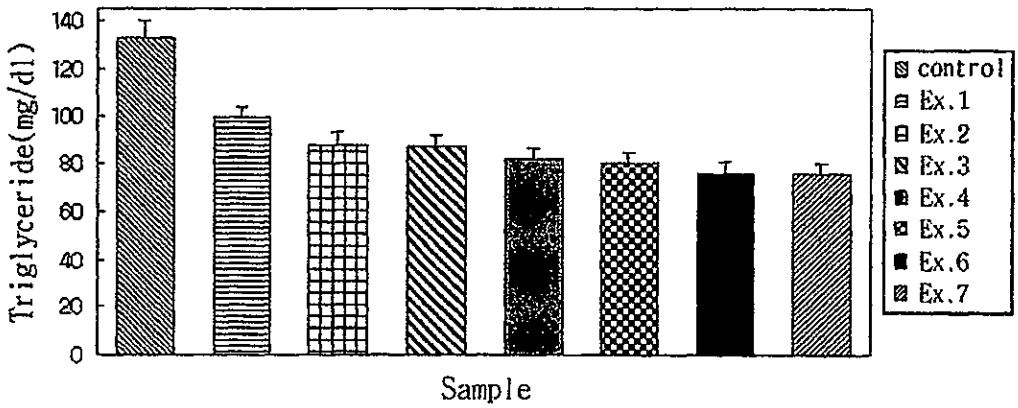
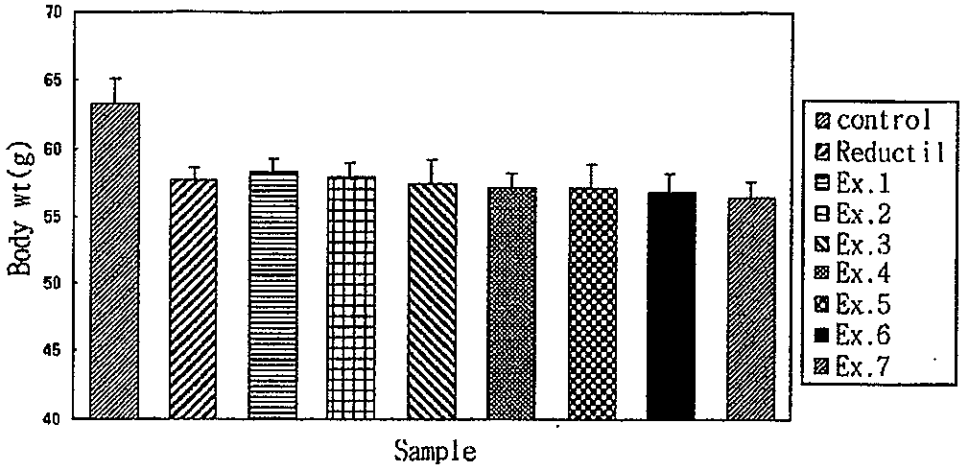

Triglyceride(mg/dl)
140
120
100
80
60
40
20
0
Sample
control
Ex.1
Ex.2
Ex.3
Ex.4
Ex.5
Ex.6
Ex.7

Fig.12


70
65
60
55
50
45
40
Body wt(g)
Sample
control
Reductil
Ex.1
Ex.2
Ex.3
Ex.4
Ex.5
Ex.6
Ex.7