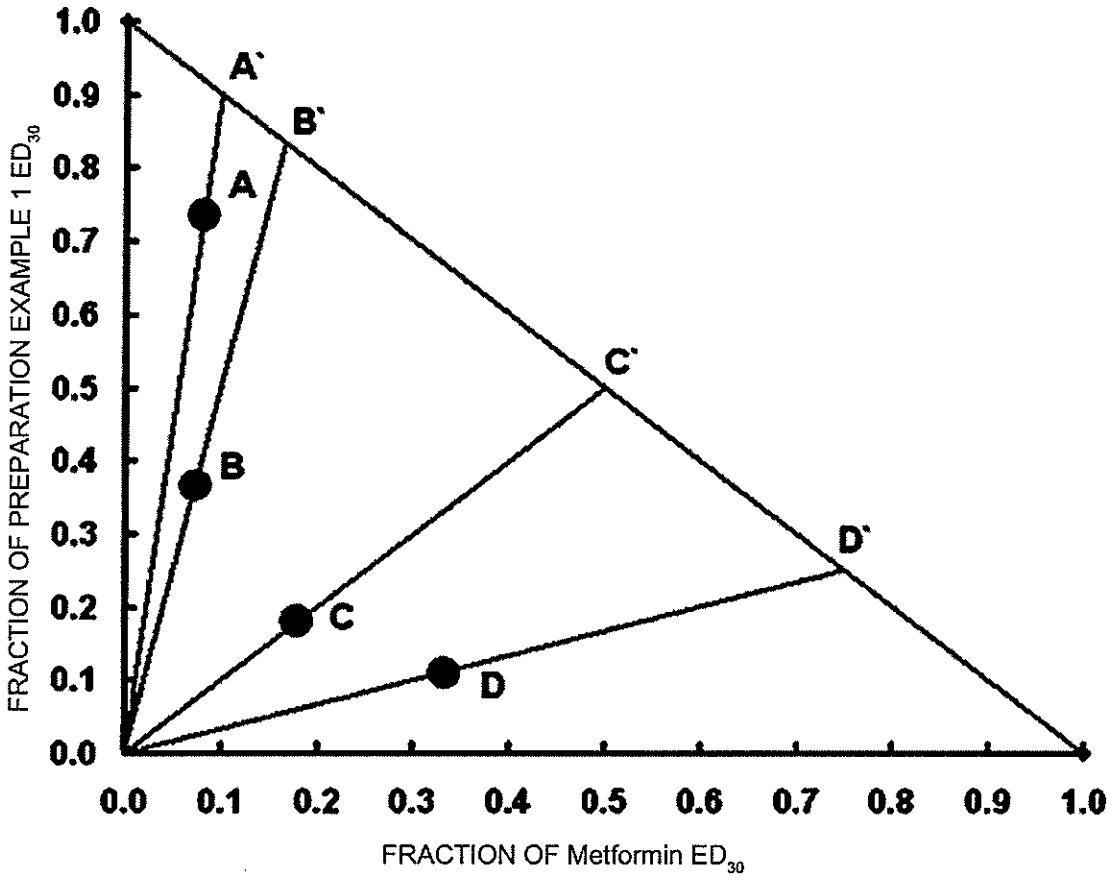
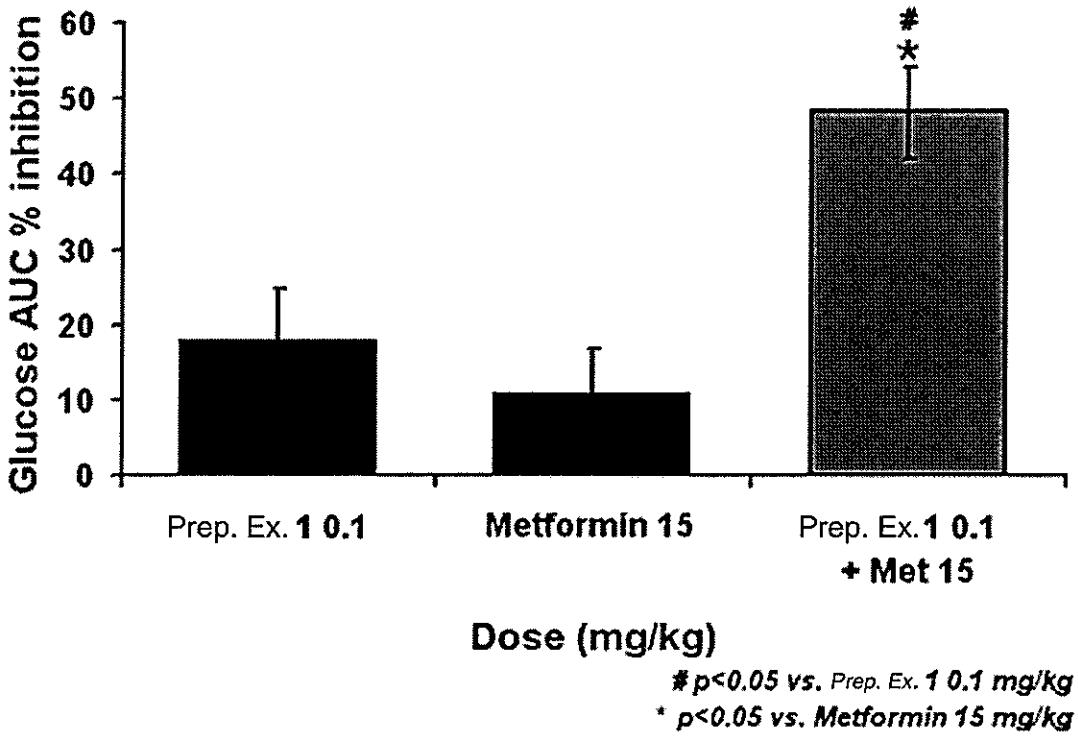
[Fig.1]


1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.0
FRACTION OF PREPARATION EXAMPLE 1 ED30
A`
B`
C`
D`
A
B
C
D
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
FRACTION OF Metformin ED30

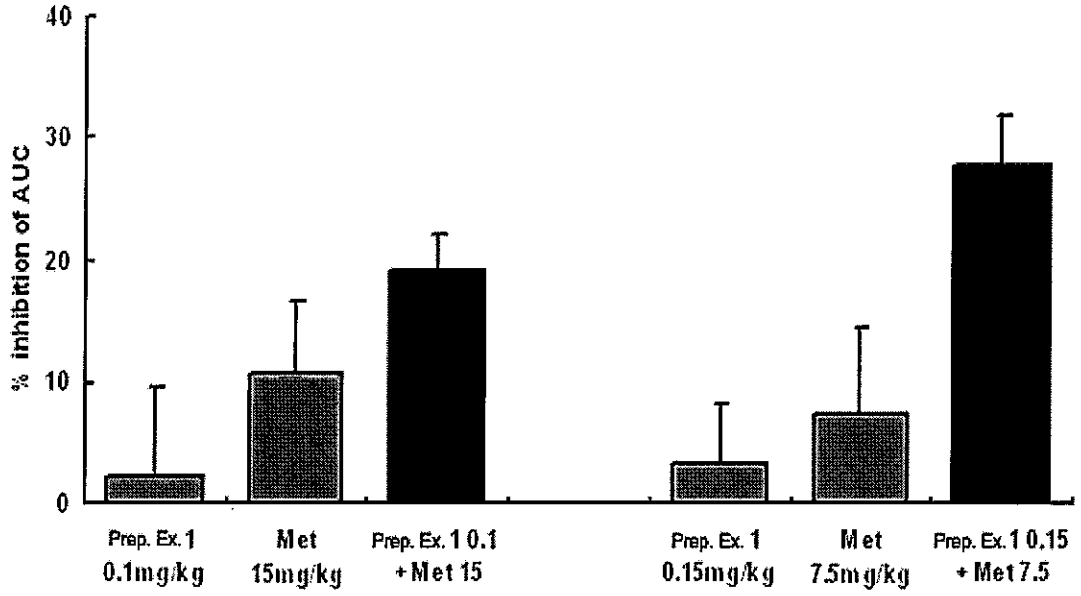
[Fig.2]



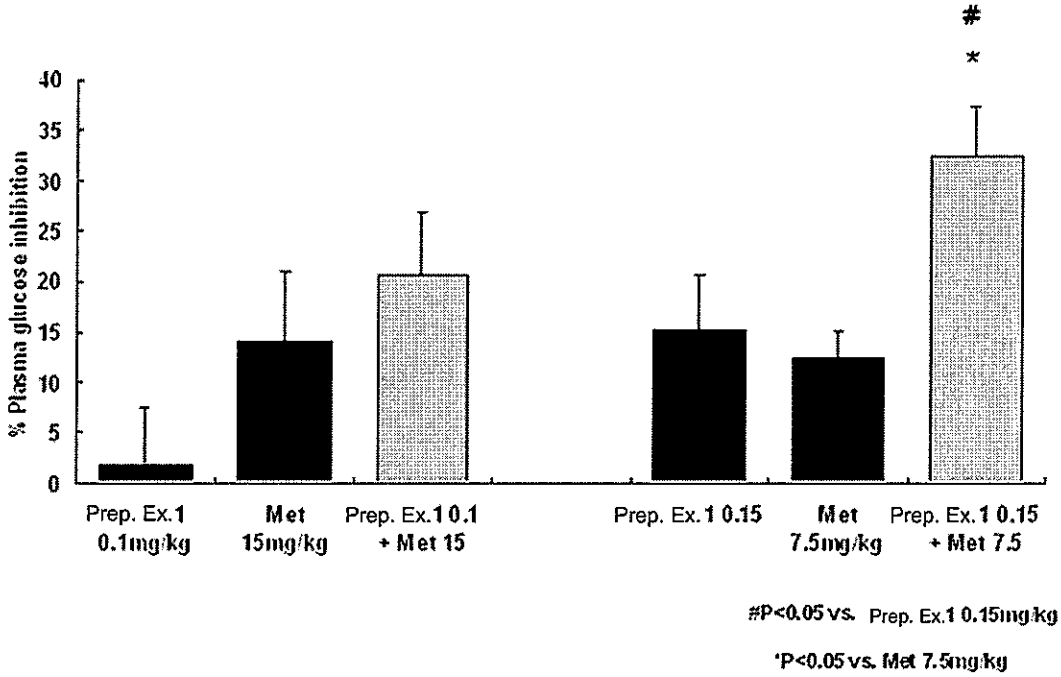
 # p<0.05 vs. Prep. Ex. 1 0.1 mg/kg

** p<0.05 vs. Metformin 15 mg/kg*

[Fig.3]


40
30
20
10
0
% inhibition of AUC
Prep. Ex.1
0.1mg/kg
Met
15mg/kg
Prep. Ex.1 0.1
+Met 15
Prep. Ex.1
0.15mg/kg
Met
7.5mg/kg
Prep. Ex.1 0.15
+Met 7.5

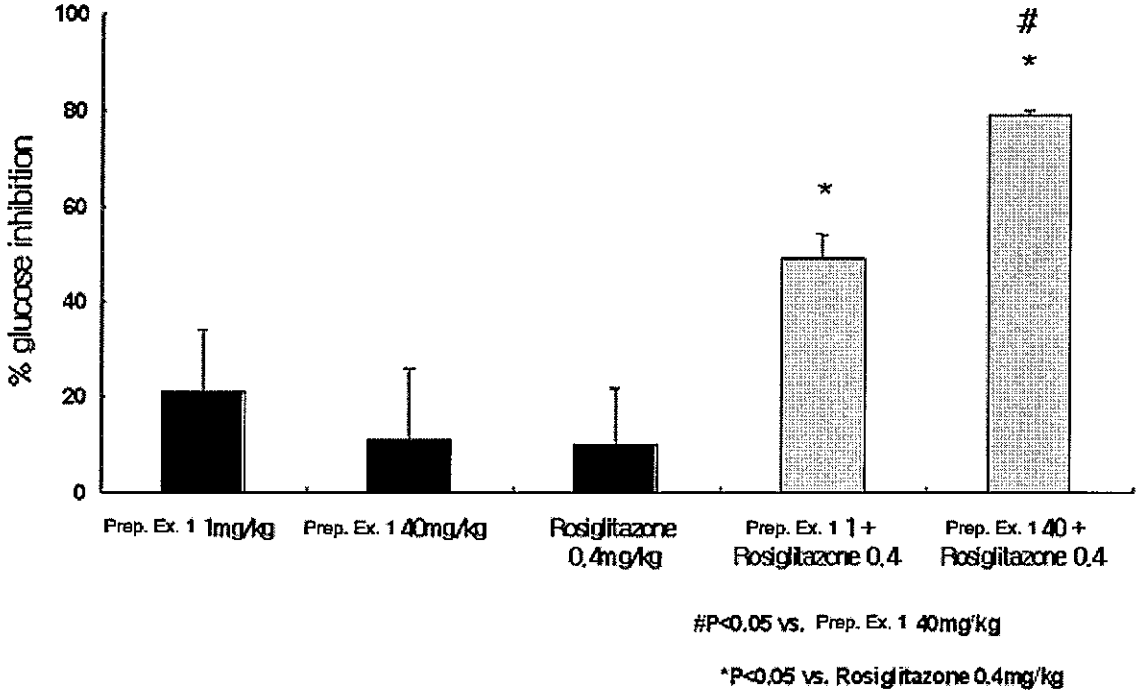
[Fig.4]



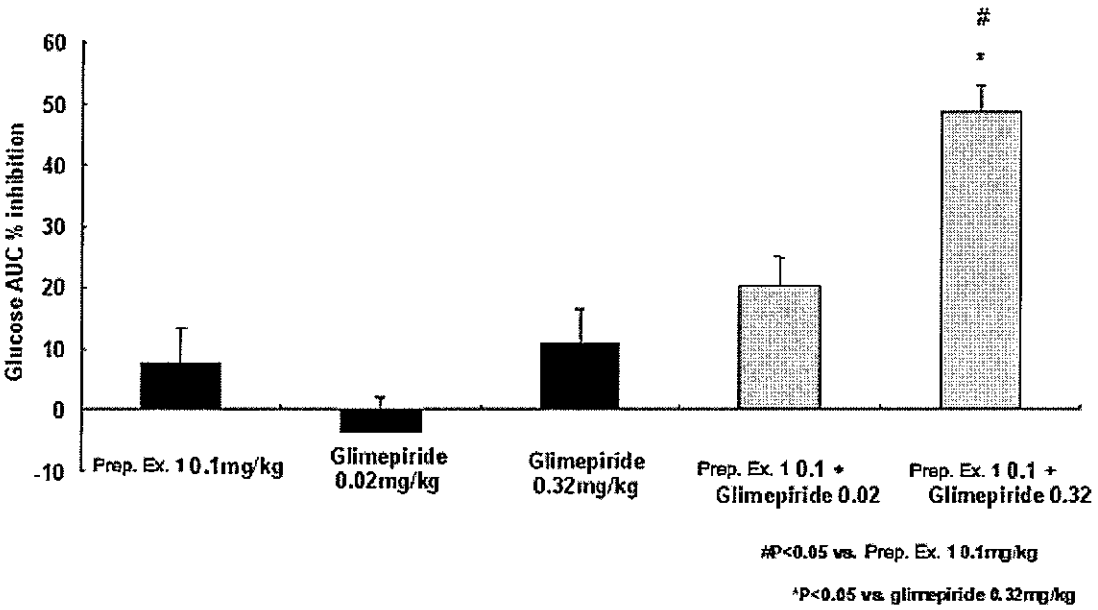
#P<0.05 vs. Prep. Ex.1 0.15mg/kg

*P<0.05 vs. Met 7.5mg/kg

[Fig.5]


100
80
60
40
20
0
% glucose inhibition
#
*
*
Prep. Ex. 1 1mg/kg
Prep. Ex. 1 40mg/kg
Rosiglitazone 0.4mg/kg
Prep. Ex. 1 1 + Rosiglitazone 0.4
Prep. Ex. 1 40 + Rosiglitazone 0.4
#P<0.05 vs. Prep. Ex. 1 40mg/kg
*P<0.05 vs. Rosiglitazone 0.4mg/kg

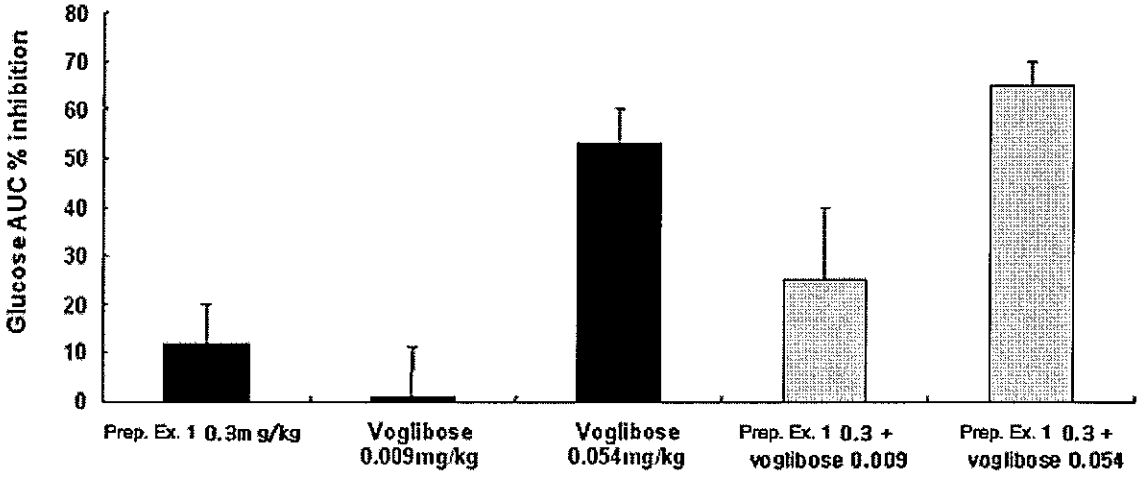
[Fig.6]



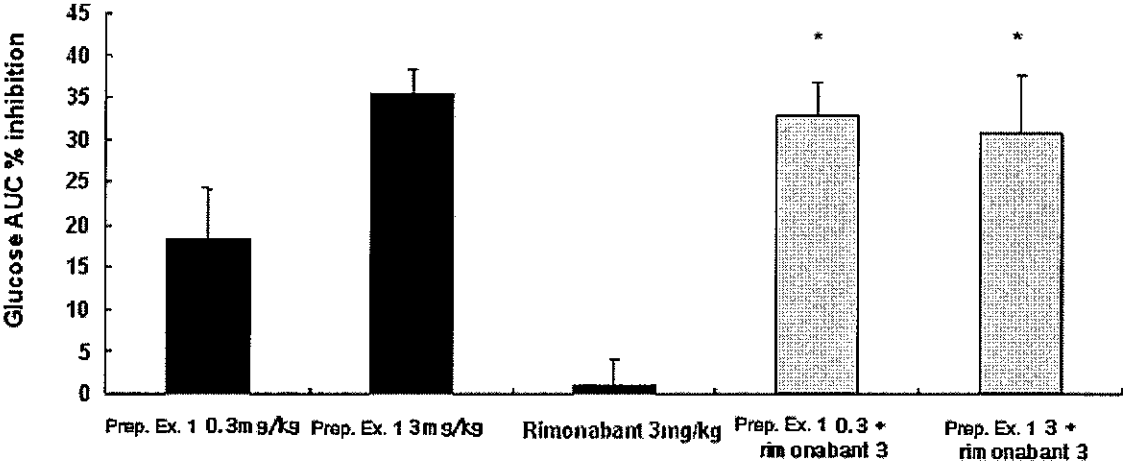
#P<0.05 vs. Prep. Ex. 1 0.1mg/kg

*P<0.05 vs. glimepiride 0.32mg/kg

[Fig.7]


Glucose AUC % inhibition
80
70
60
50
40
30
20
10
0
Prep. Ex. 1 0.3mg/kg
Voglibose 0.009mg/kg
Voglibose 0.054mg/kg
Prep. Ex. 1 0.3 + voglibose 0.009
Prep. Ex. 1 0.3 + voglibose 0.054

[Fig.8]


Glucose AUC % inhibition
45
40
35
30
25
20
15
10
5
0
*
*
Prep. Ex. 1 0.3mg/kg
Prep. Ex. 1 3mg/kg
Rimonabant 3mg/kg
Prep. Ex. 1 0.3 + rimonabant 3
Prep. Ex. 1 3 + rimonabant 3
*P<0.05 vs. rimonabant 3mg/kg