Figure 1

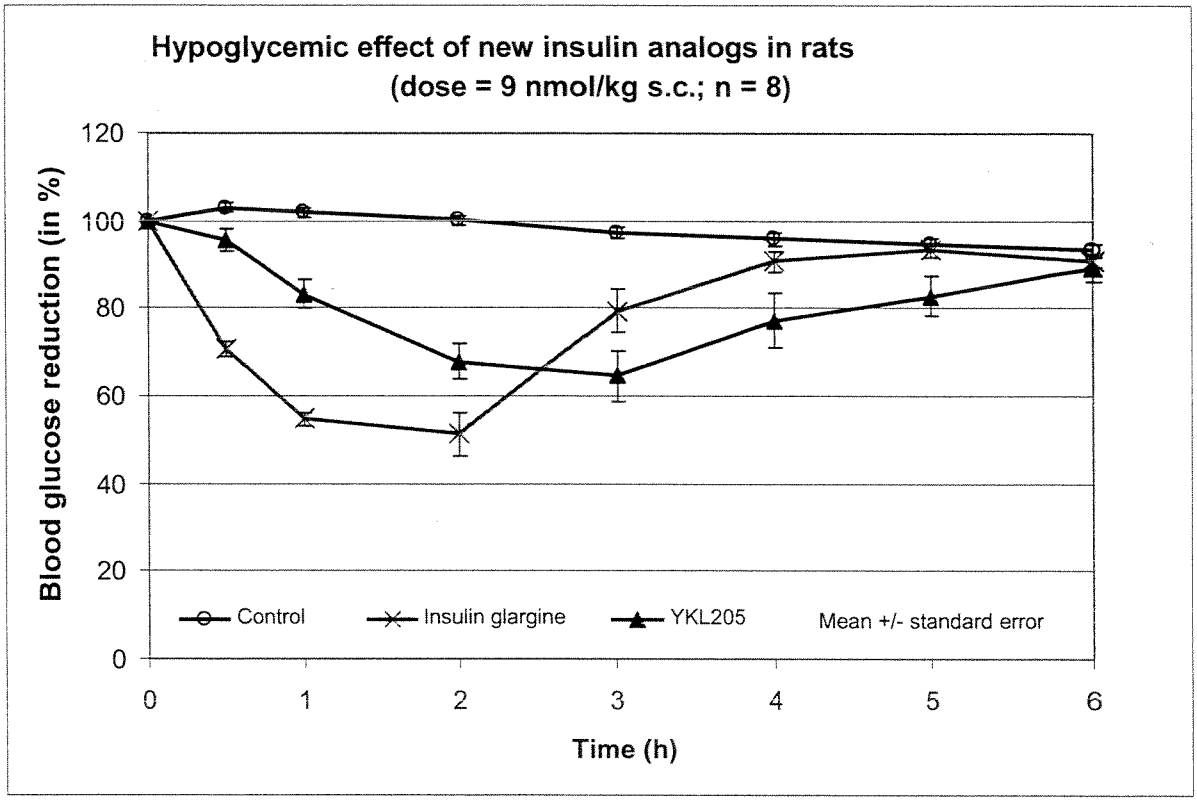

Hypoglycemic effect of new insulin analogs in rats
(dose = 9 nmol/kg s.c.; n = 8)
Blood glucose reduction (in %)
120
100
80
60
40
20
0
0
1
2
3
4
5
6
Time (h)
Control
Insulin glargine
YKL205
Mean +/- standard error

Figure 2

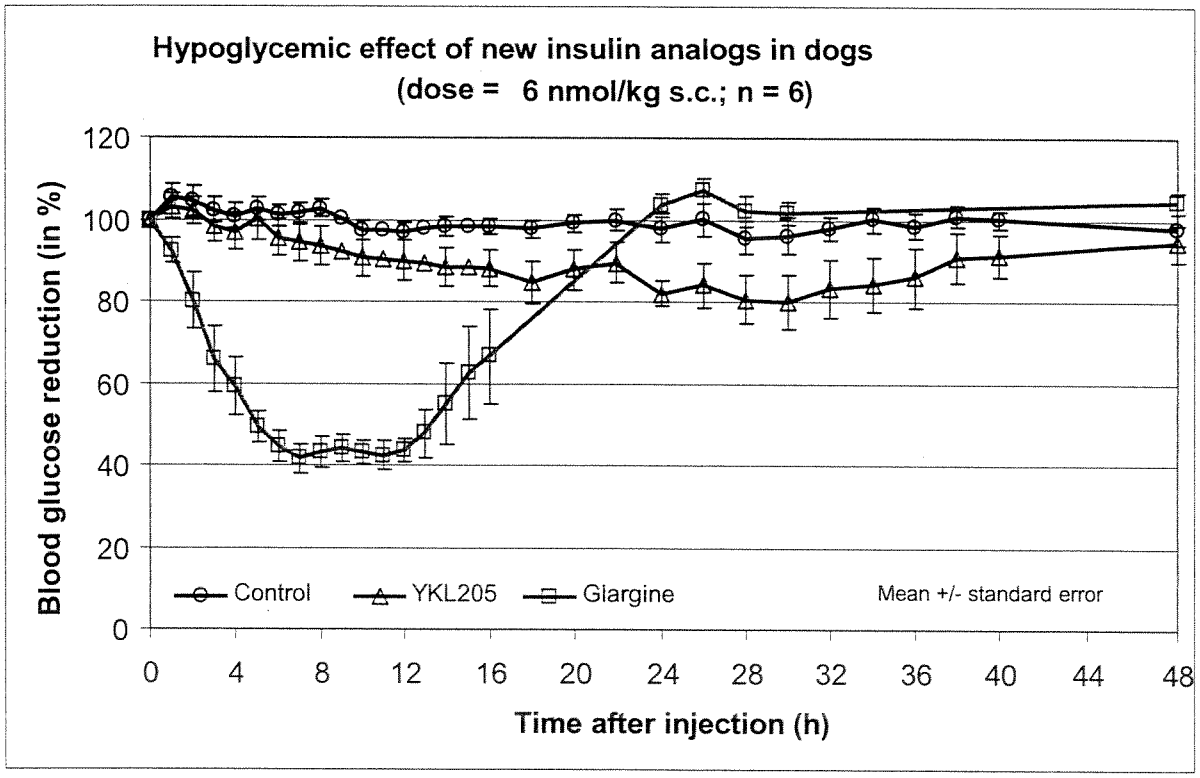

Hypoglycemic effect of new insulin analogs in dogs
(dose = 6 nmol/kg s.c.; n = 6)
Blood glucose reduction (in %)
120
100
80
60
40
20
0
0
4
8
12
16
20
24
28
32
36
40
44
48
Time after injection (h)
Control
YKL205
Glargine
Mean +/- standard error

Figure 3

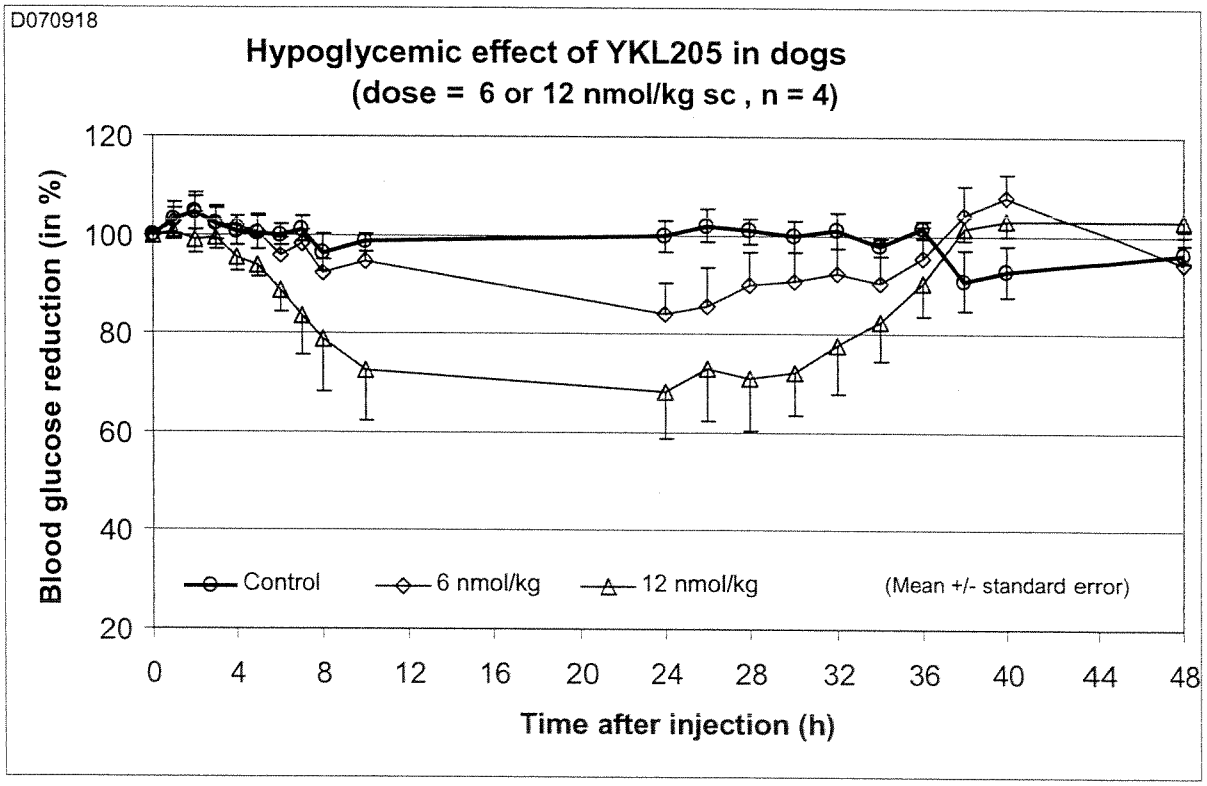

D070918
Hypoglycemic effect of YKL205 in dogs
(dose = 6 or 12 nmol/kg sc , n = 4)
Blood glucose reduction (in %)
120
100
80
60
40
20
0
4
8
12
16
20
24
28
32
36
40
44
48
Time after injection (h)
Control
6 nmol/kg
12 nmol/kg
(Mean +/- standard error)

Figure 4

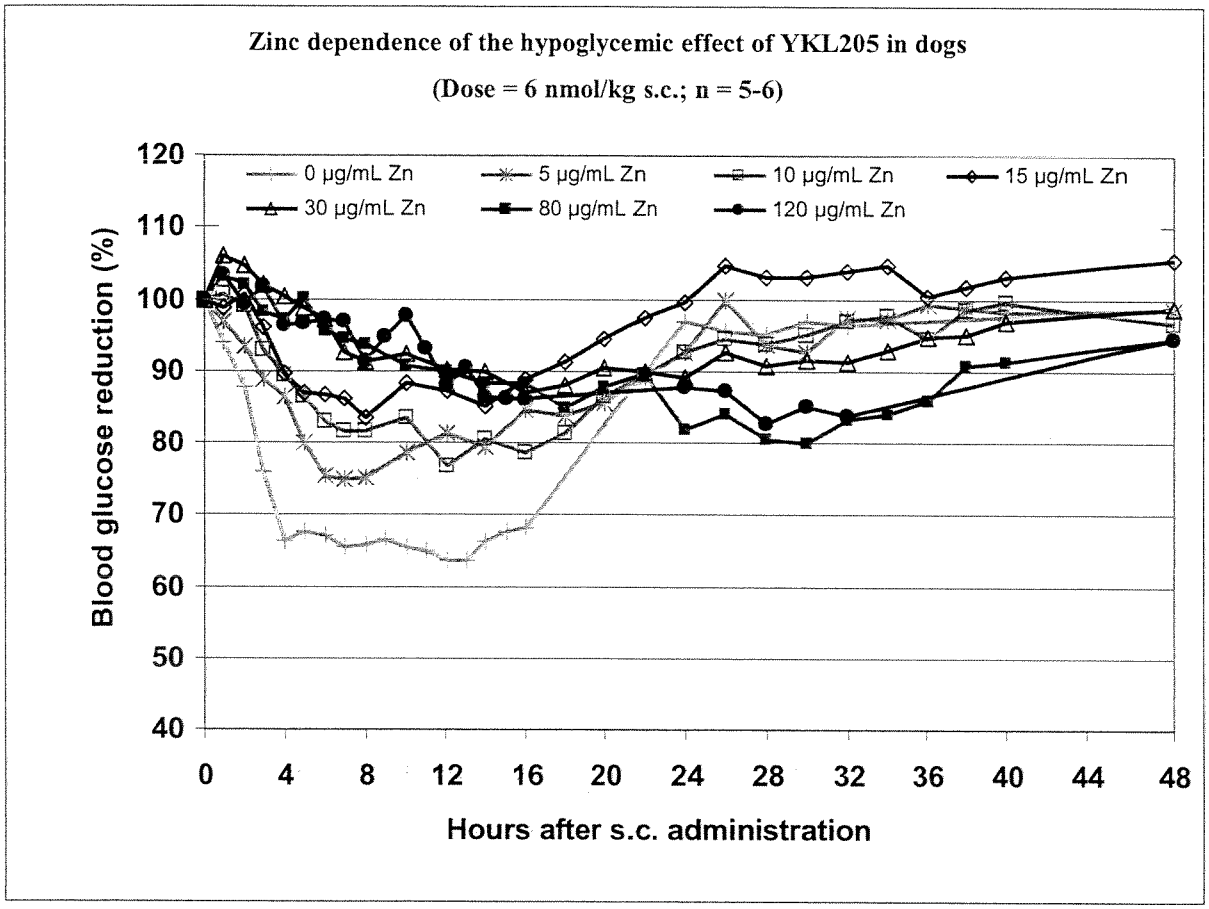

Zinc dependence of the hypoglycemic effect of YKL205 in dogs
(Dose = 6 nmol/kg s.c.; n = 5-6)
0 µg/mL Zn
5 µg/mL Zn
10 µg/mL Zn
15 µg/mL Zn
30 µg/mL Zn
80 µg/mL Zn
120 µg/mL Zn
Blood glucose reduction (%)
120
110
100
90
80
70
60
50
40
0
4
8
12
16
20
24
28
32
36
40
44
48
Hours after s.c. administration

Figure 5

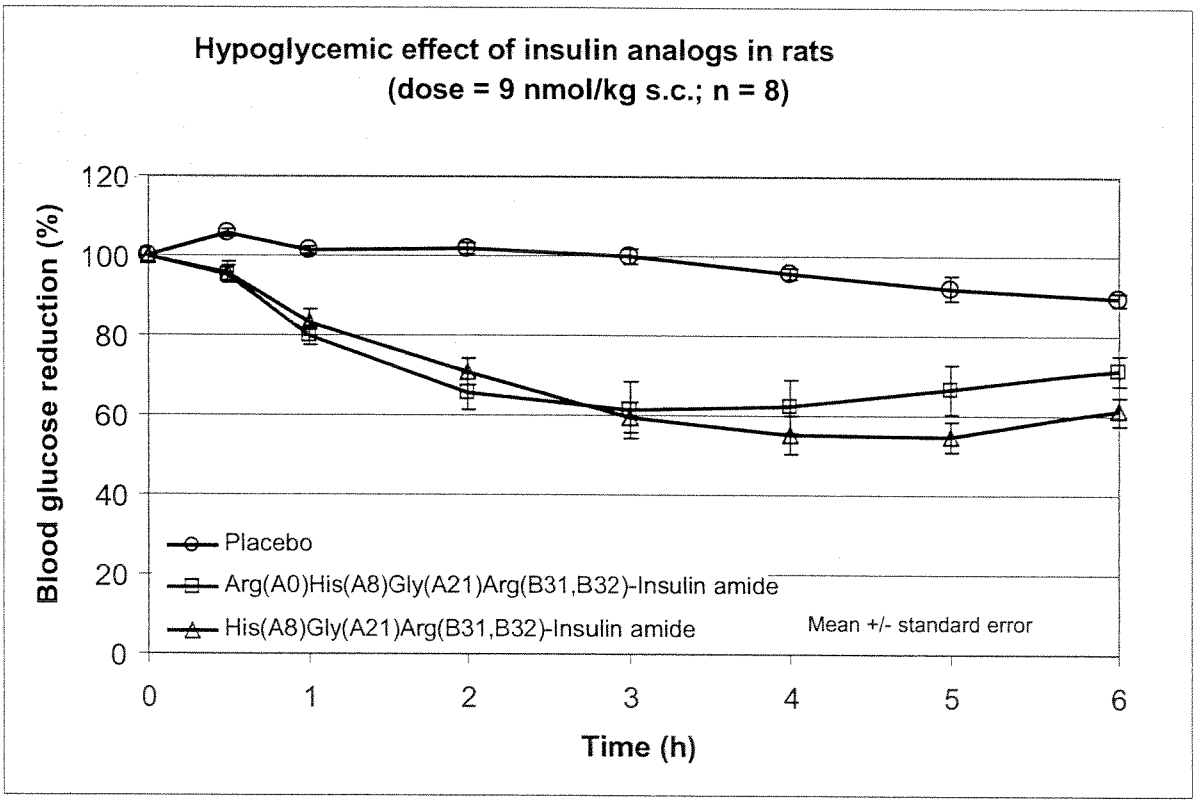
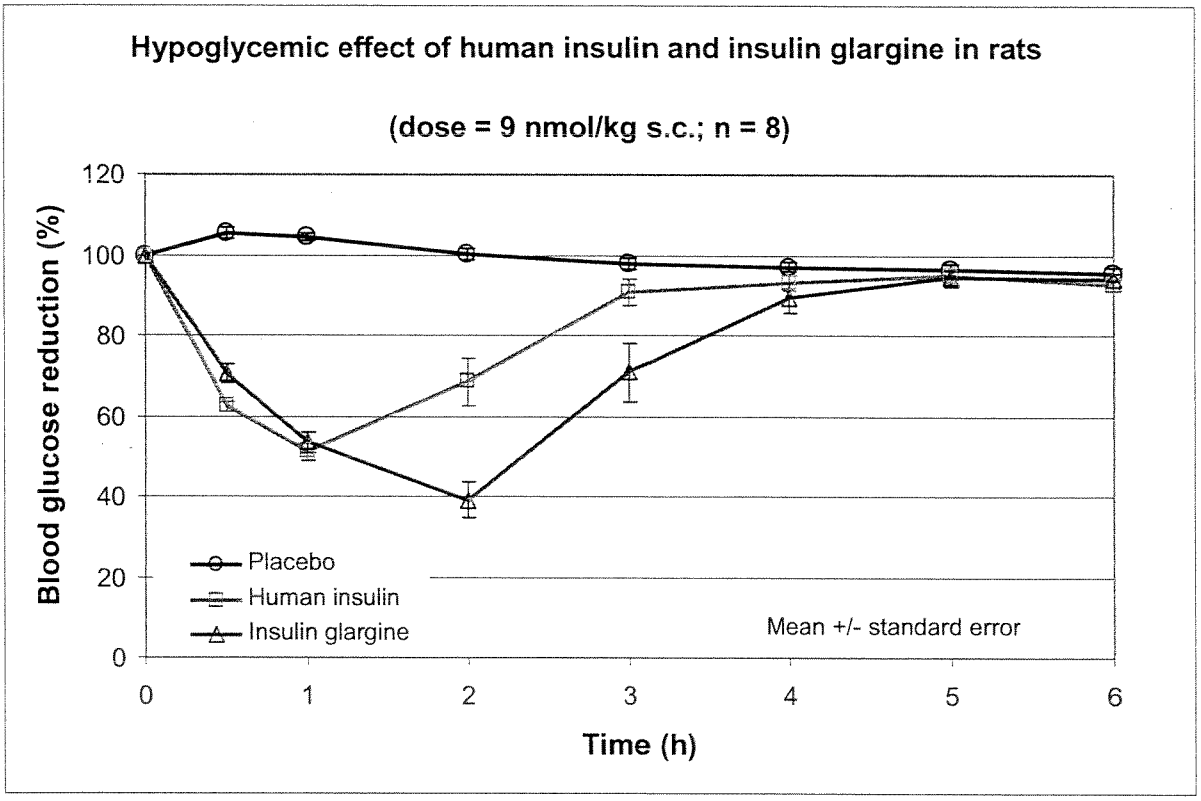

Hypoglycemic effect of insulin analogs in rats
(dose = 9 nmol/kg s.c.; n = 8)
Blood glucose reduction (%)
120
100
80
60
40
20
0
0
1
2
3
4
5
6
Time (h)
Placebo
Arg(A0)His(A8)Gly(A21)Arg(B31,B32)-Insulin amide
His(A8)Gly(A21)Arg(B31,B32)-Insulin amide
Mean +/- standard error

Figure 6


Hypoglycemic effect of human insulin and insulin glargine in rats
(dose = 9 nmol/kg s.c.; n = 8)
Blood glucose reduction (%)
120
100
80
60
40
20
0
0
1
2
3
4
5
6
Time (h)
Placebo
Human insulin
Insulin glargine
Mean +/- standard error