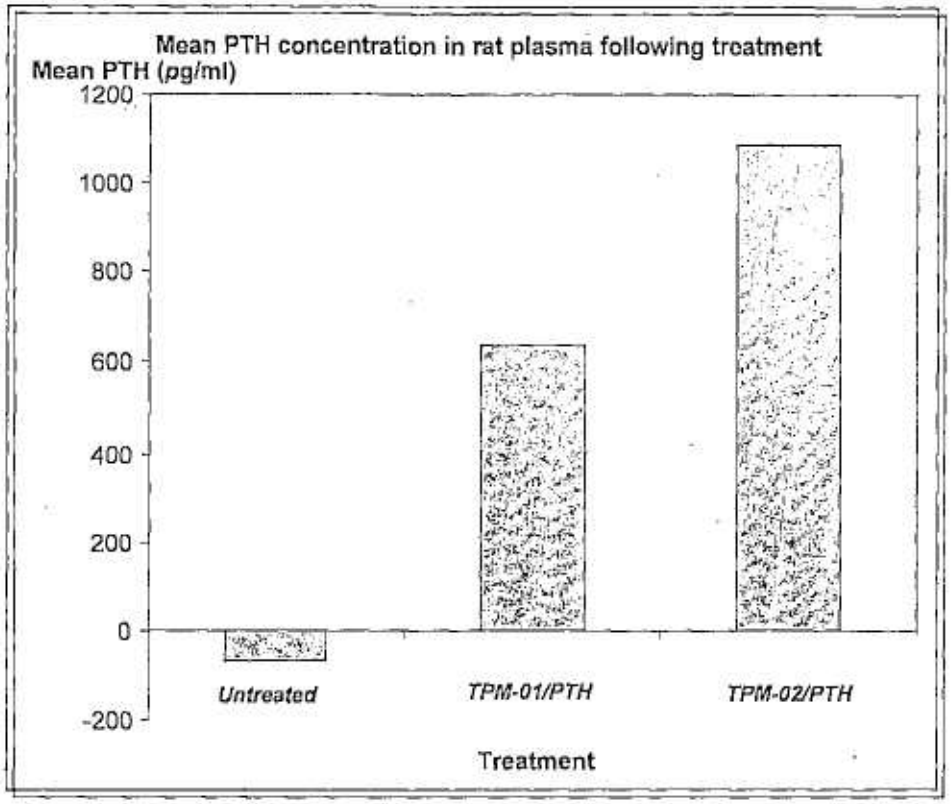

Mean PTH concentration in rat plasma following treatment
Mean PTH (pg/ml)
1200
1000
800
600
400
200
0
-200
Untreated
TPM-01/PTH
TPM-02/PTH
Treatment

Figure 1

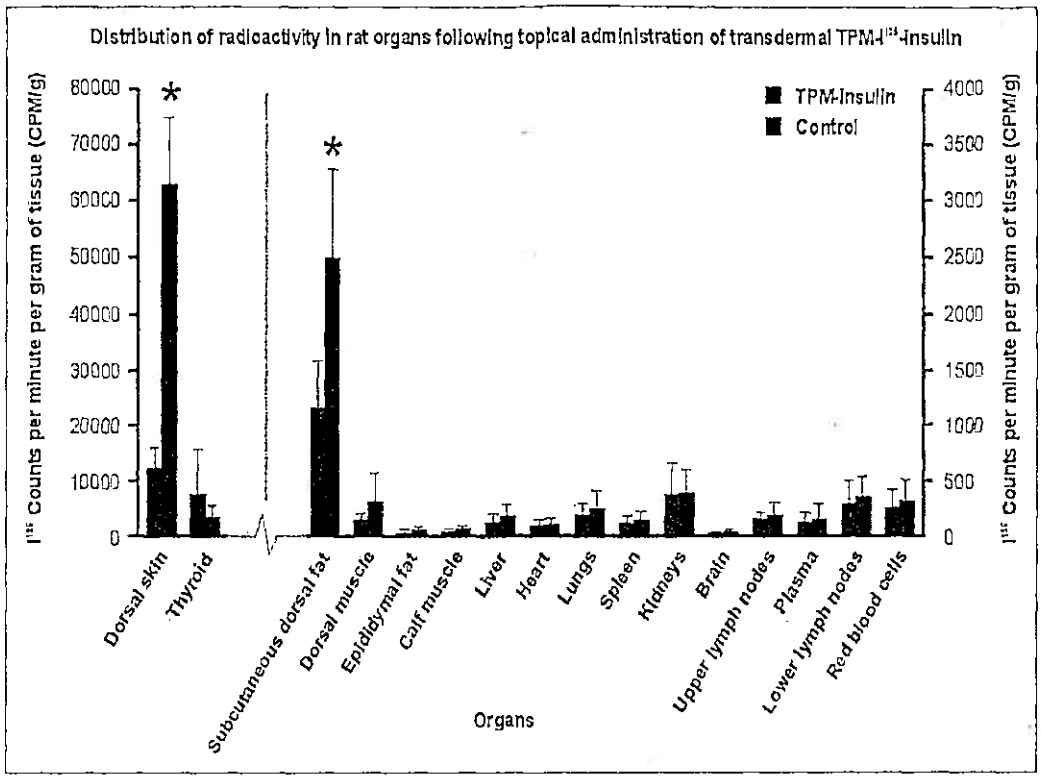

Distribution of radioactivity in rat organs following topical administration of transdermal TPM-I¹²⁵-Insulin
I¹²⁵ Counts per minute per gram of tissue (CPM/g)
I¹²⁵ Counts per minute per gram of tissue (CPM/g)
TPM-Insulin
Control
80000
70000
60000
50000
40000
30000
20000
10000
0
4000
3500
3000
2500
2000
1500
1000
500
0
*
*
Dorsal skin
Thyroid
Subcutaneous dorsal fat
Dorsal muscle
Epididymal fat
Calf muscle
Liver
Heart
Lungs
Spleen
Kidneys
Brain
Upper lymph nodes
Plasma
Lower lymph nodes
Red blood cells
Organs

Figure 2

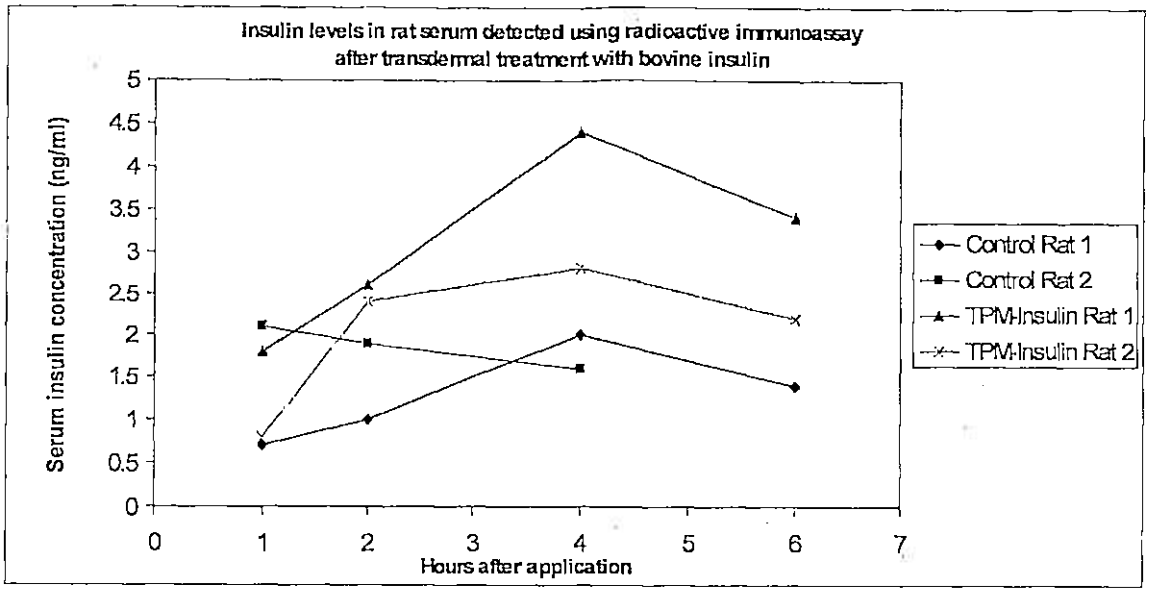

Insulin levels in rat serum detected using radioactive immunoassay
after transdermal treatment with bovine insulin
Serum insulin concentration (ng/ml)
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
0
1
2
3
4
5
6
7
Hours after application
Control Rat 1
Control Rat 2
TPM-Insulin Rat 1
TPM-Insulin Rat 2

Figure 3

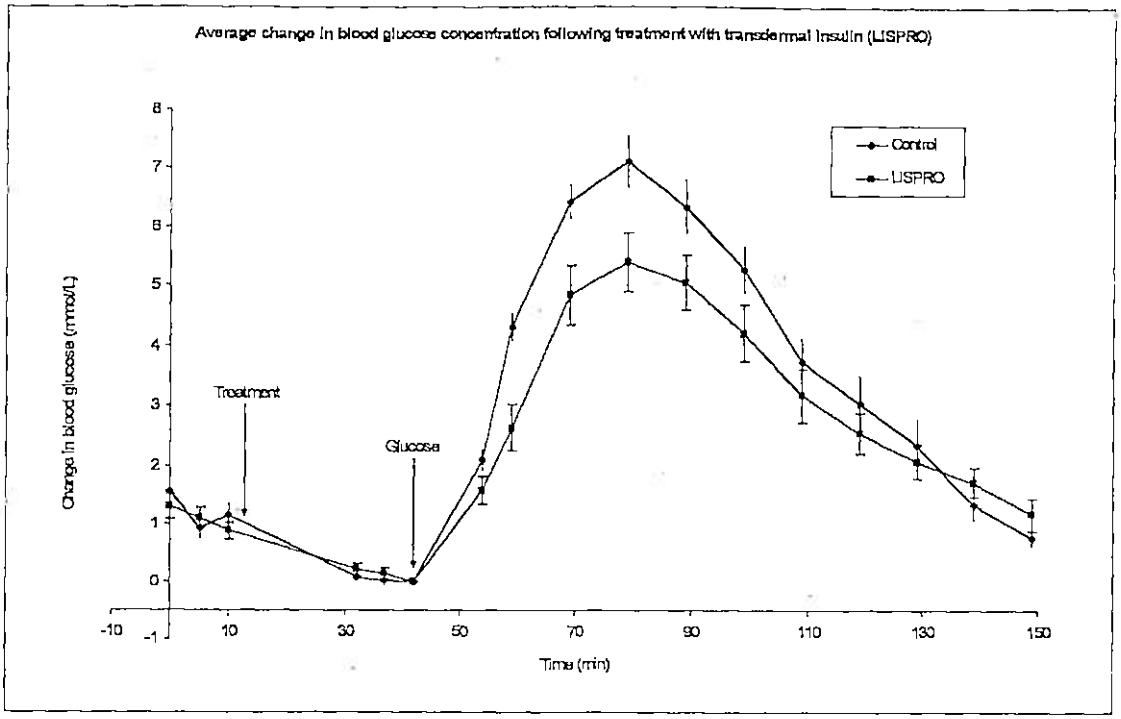

Average change in blood glucose concentration following treatment with transdermal Insulin (LISPRO)
Change in blood glucose (mmol/L)
Time (min)
Treatment
Glucose
Control
LISPRO
8
7
6
5
4
3
2
1
0
-1
-10
10
30
50
70
90
110
130
150

Figure 4