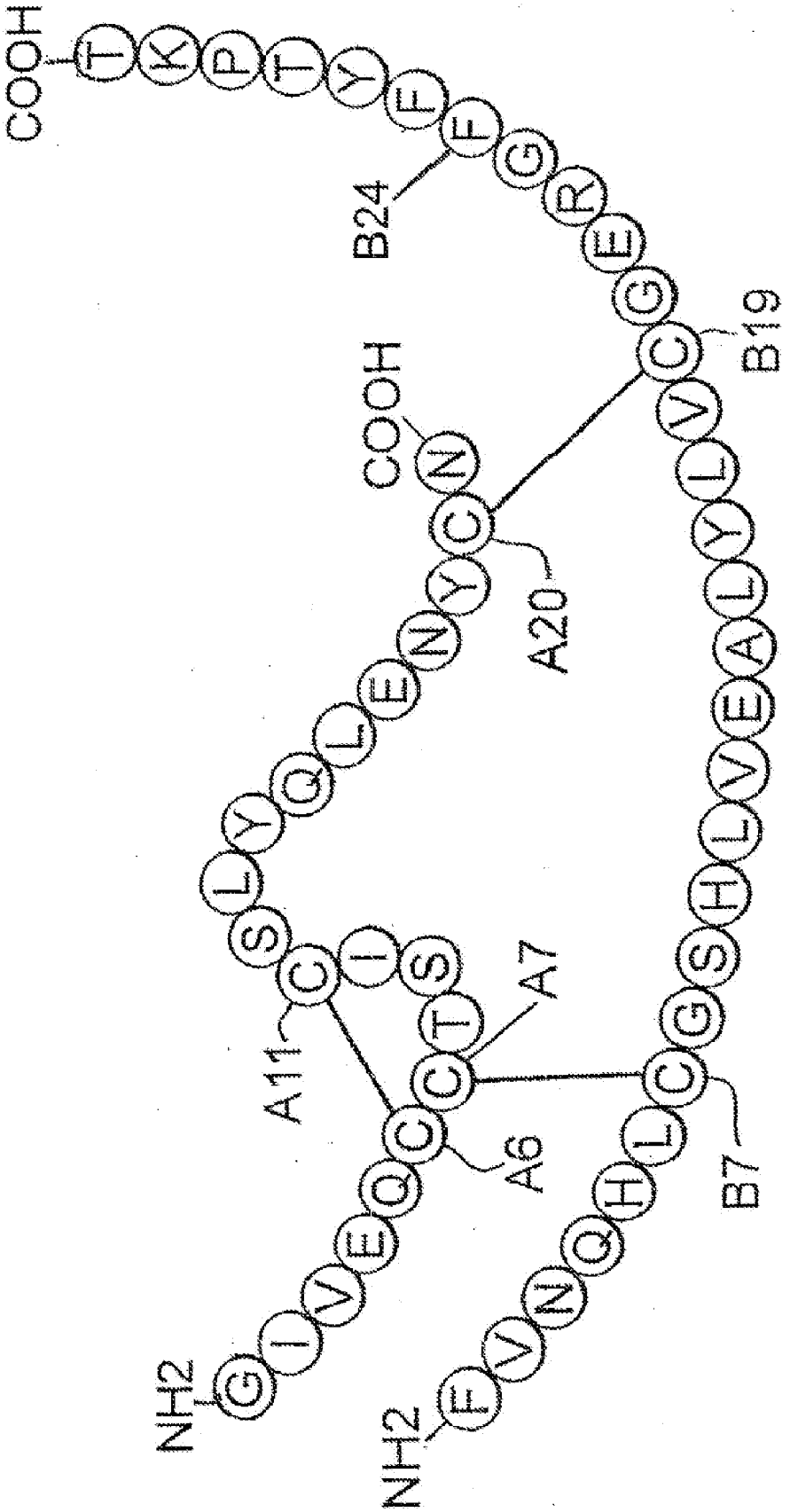


FIG. 1
(PRIOR ART)

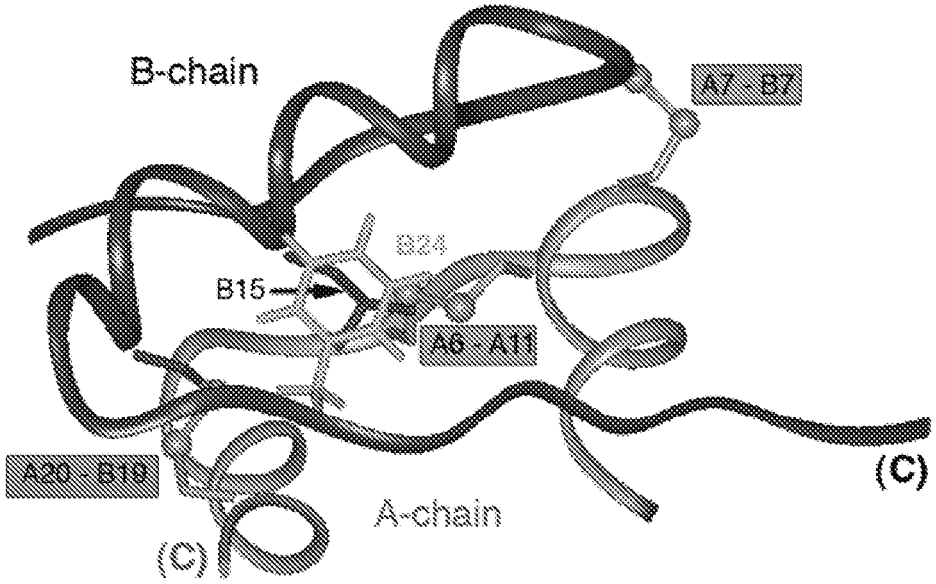


FIG. 2A
(PRIOR ART)

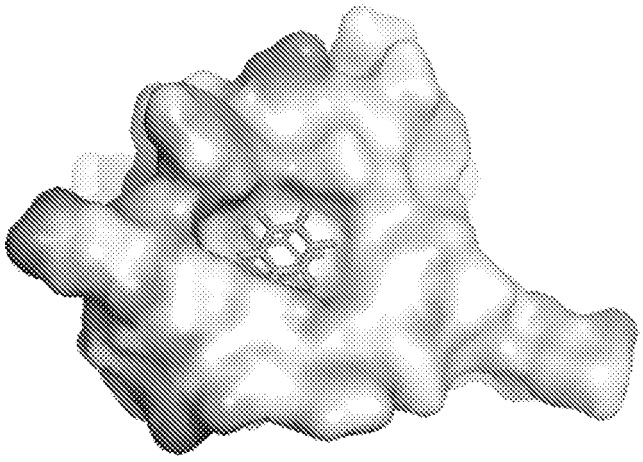


FIG. 2B
(PRIOR ART)

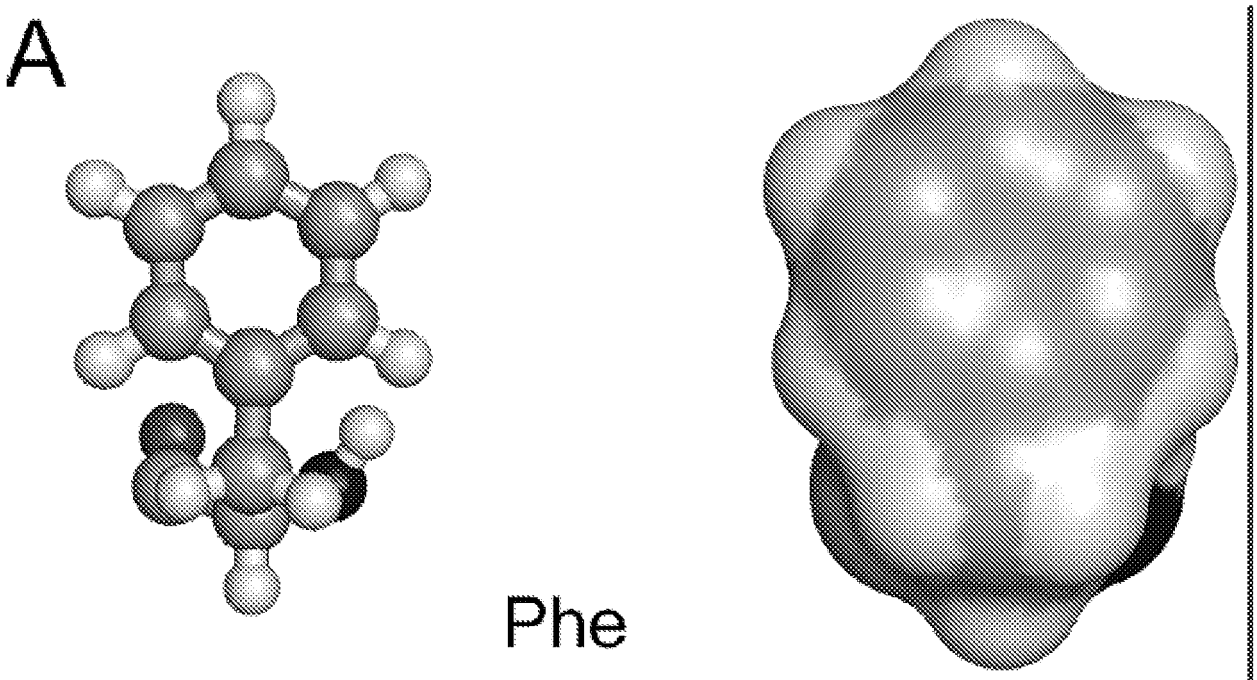


FIG. 3A

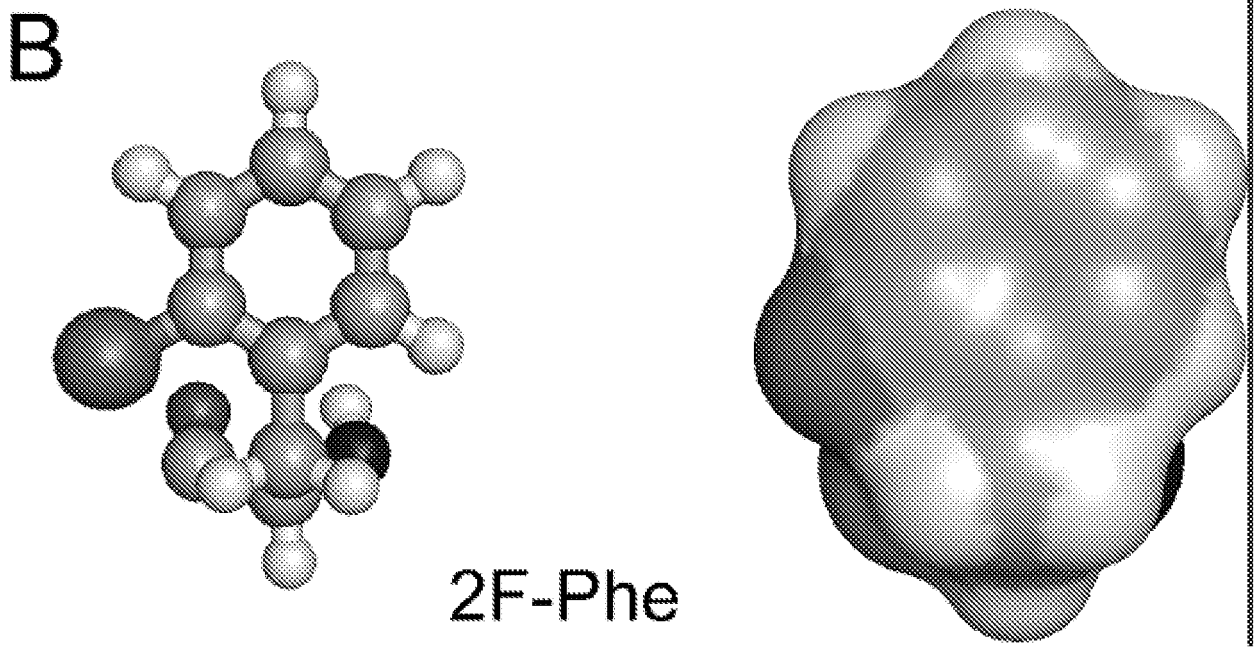


FIG. 3B

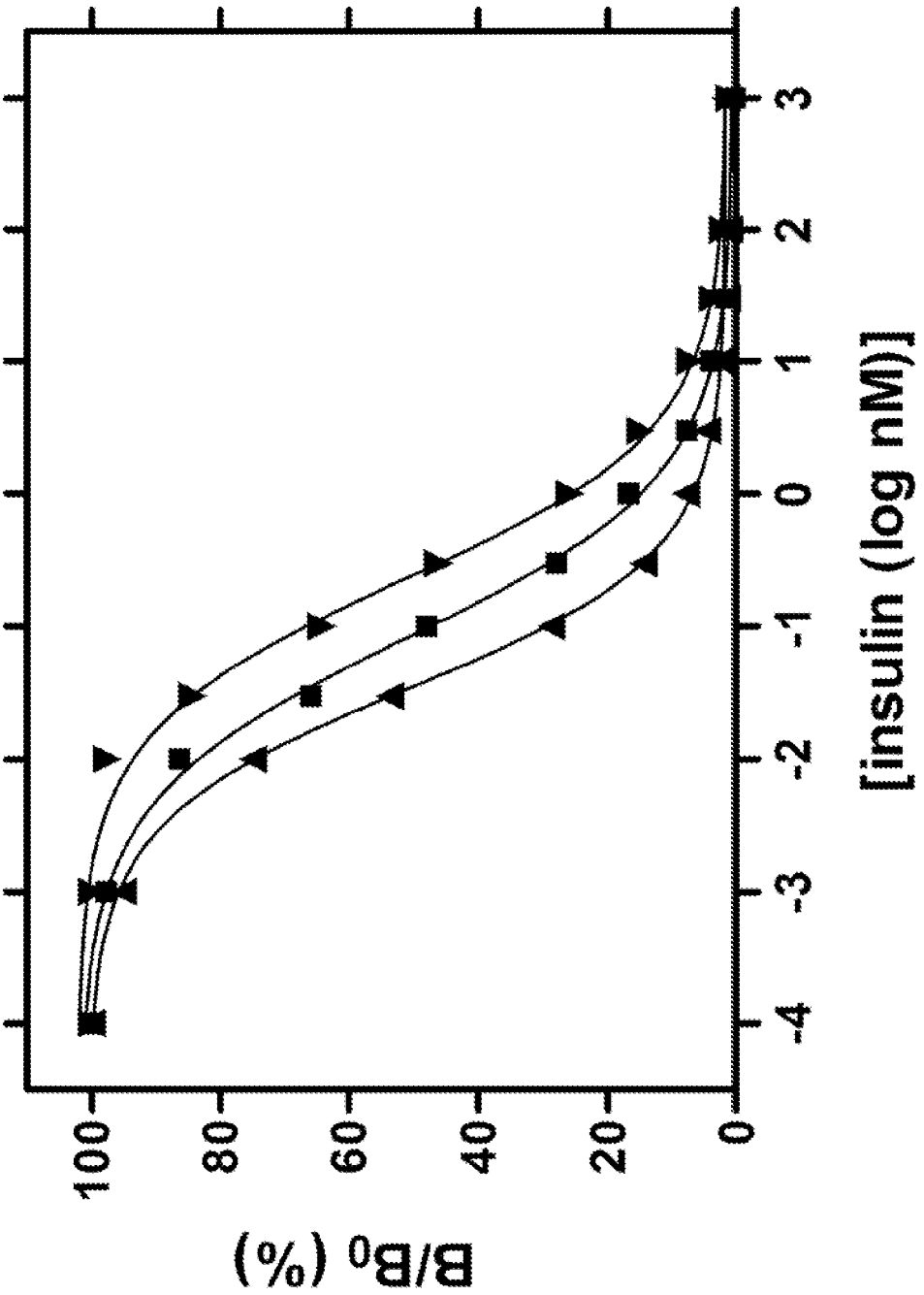


FIG. 4

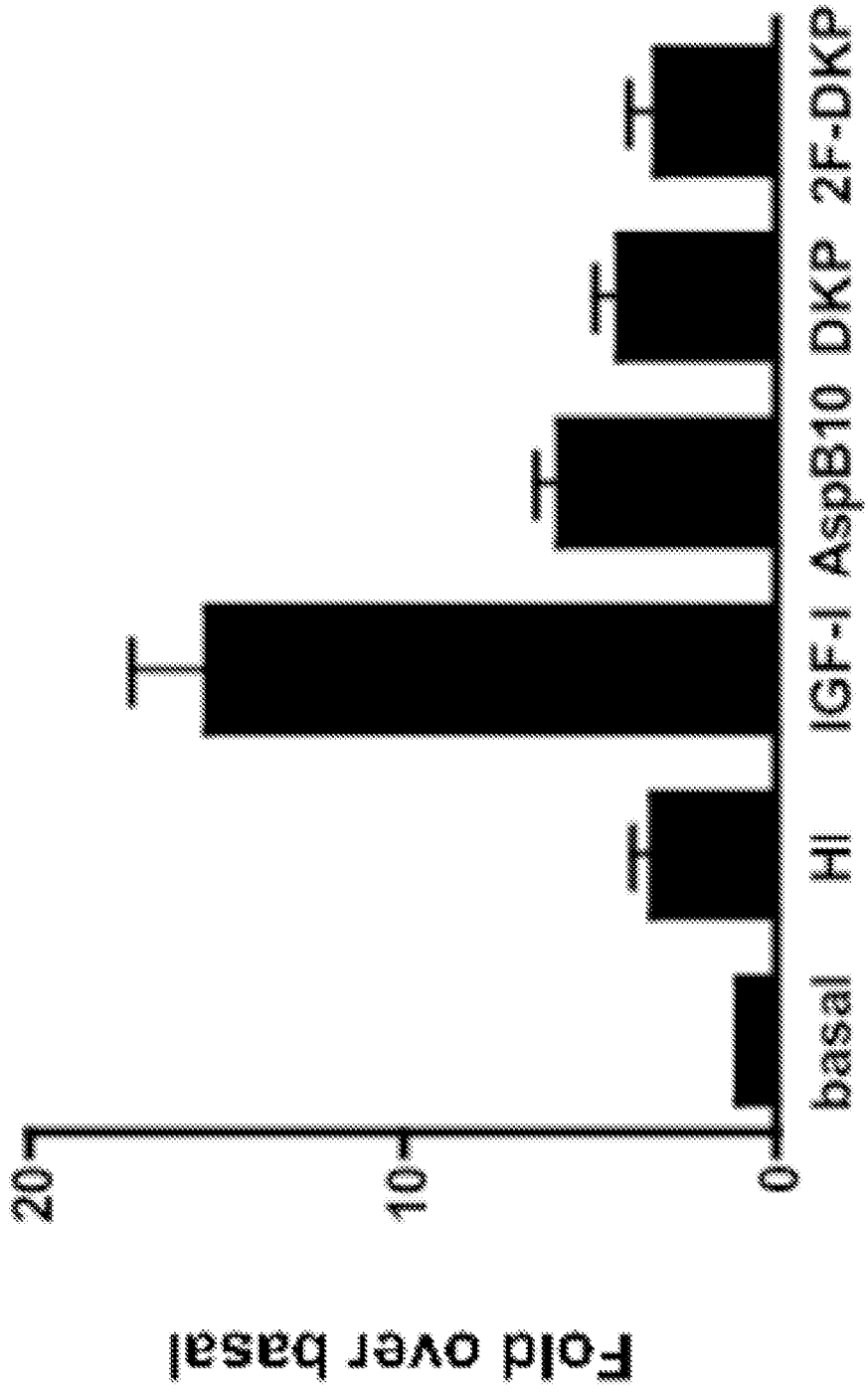


FIG. 5

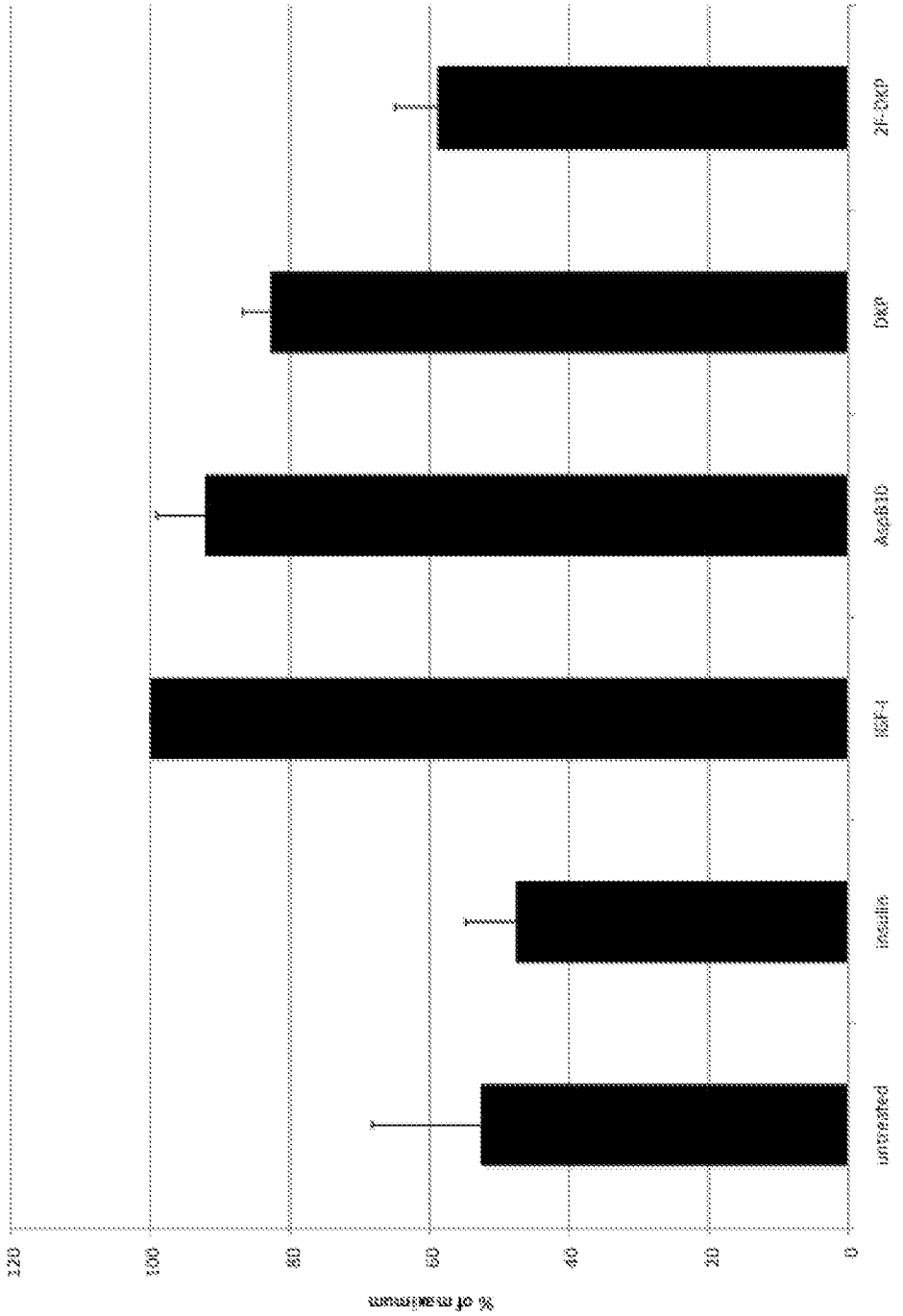

% of maximum
120
100
80
60
40
20
0
unstarved
insulin
IGF-I
Asp810
DKP
2F-DKP

FIG. 6

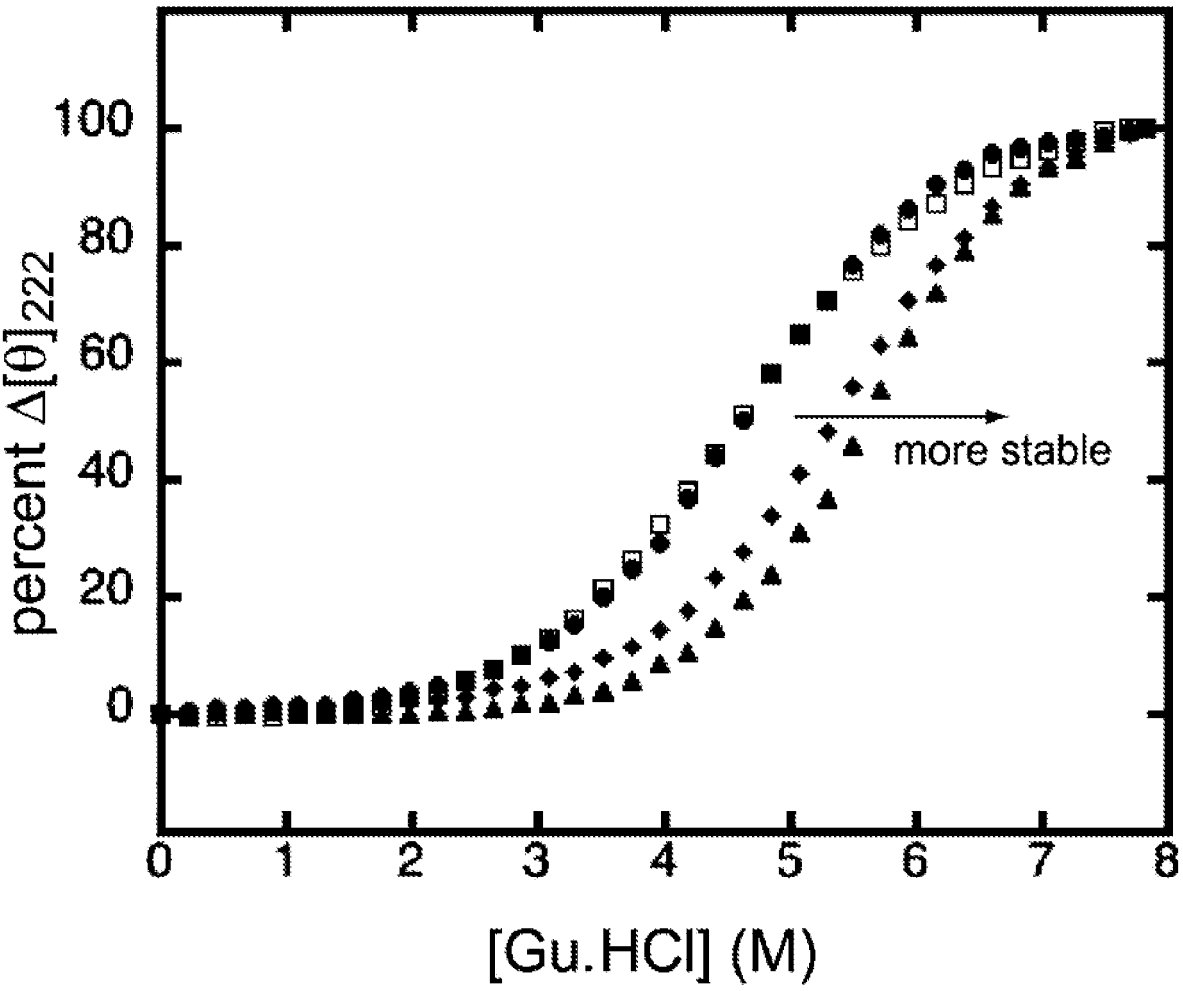


FIG. 7

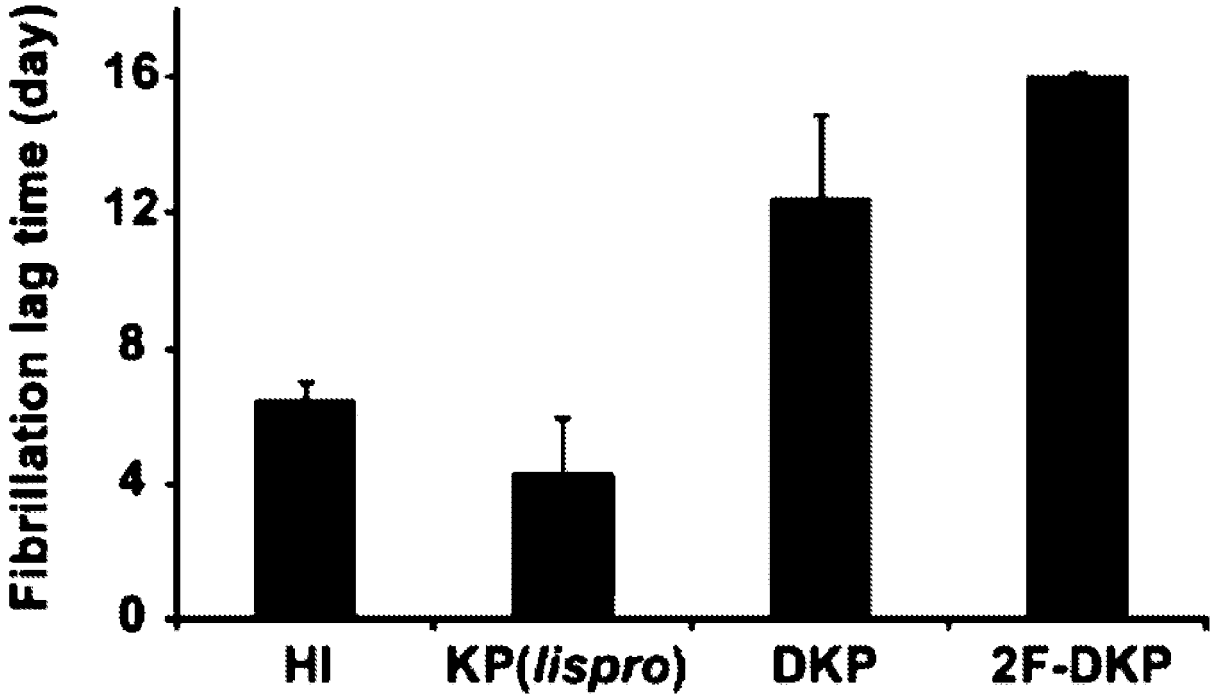

Fibrillation lag time (day)
16
12
8
4
0
HI
KP(lispro)
DKP
2F-DKP

FIG. 8

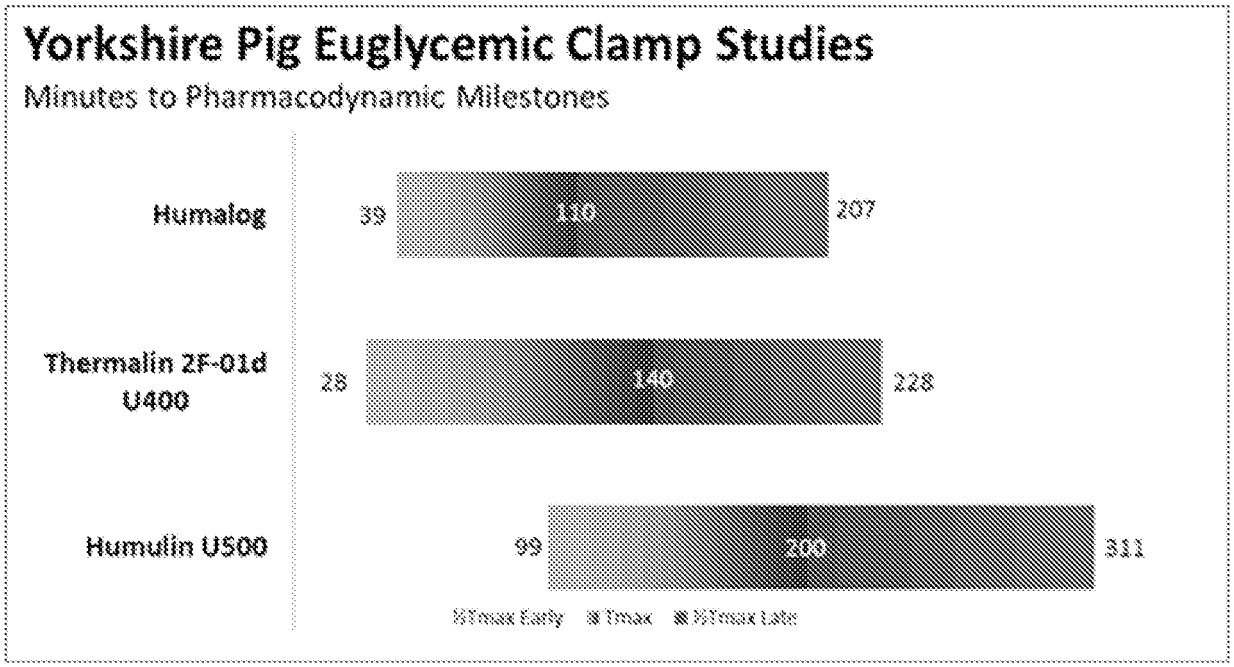

Yorkshire Pig Euglycemic Clamp Studies
Minutes to Pharmacodynamic Milestones
Humalog
39
110
207
Thermalin 2F-01d U400
28
140
228
Humulin U500
99
200
311
%Tmax Early
Tmax
%Tmax Late

FIG. 9

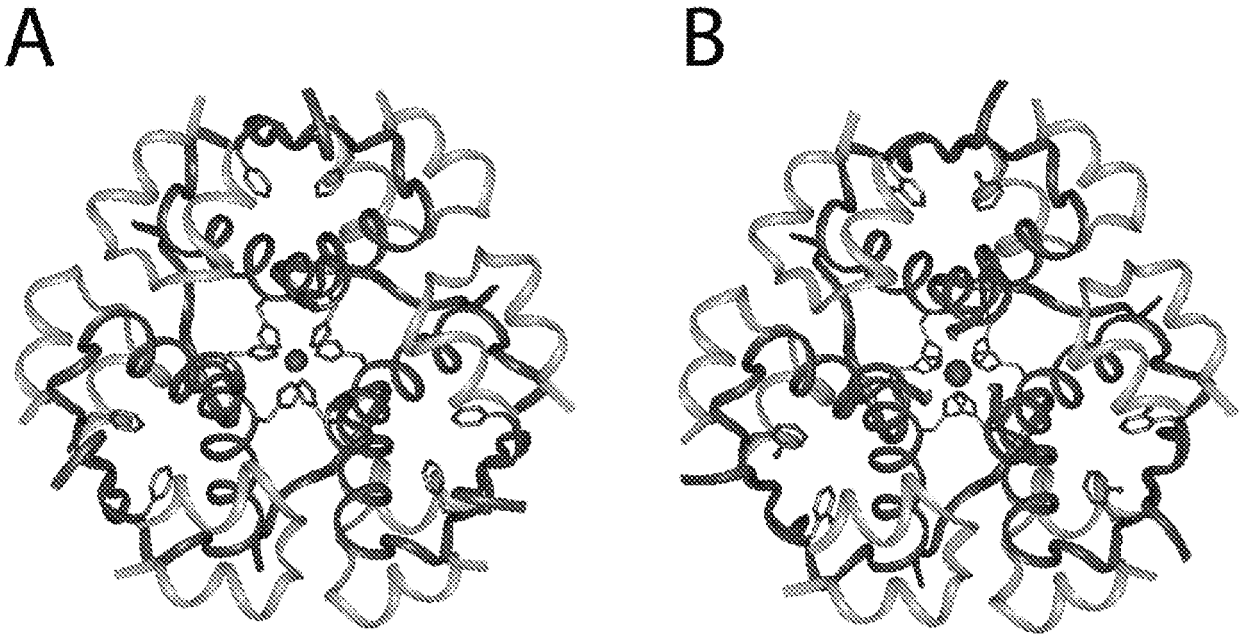


FIG. 10

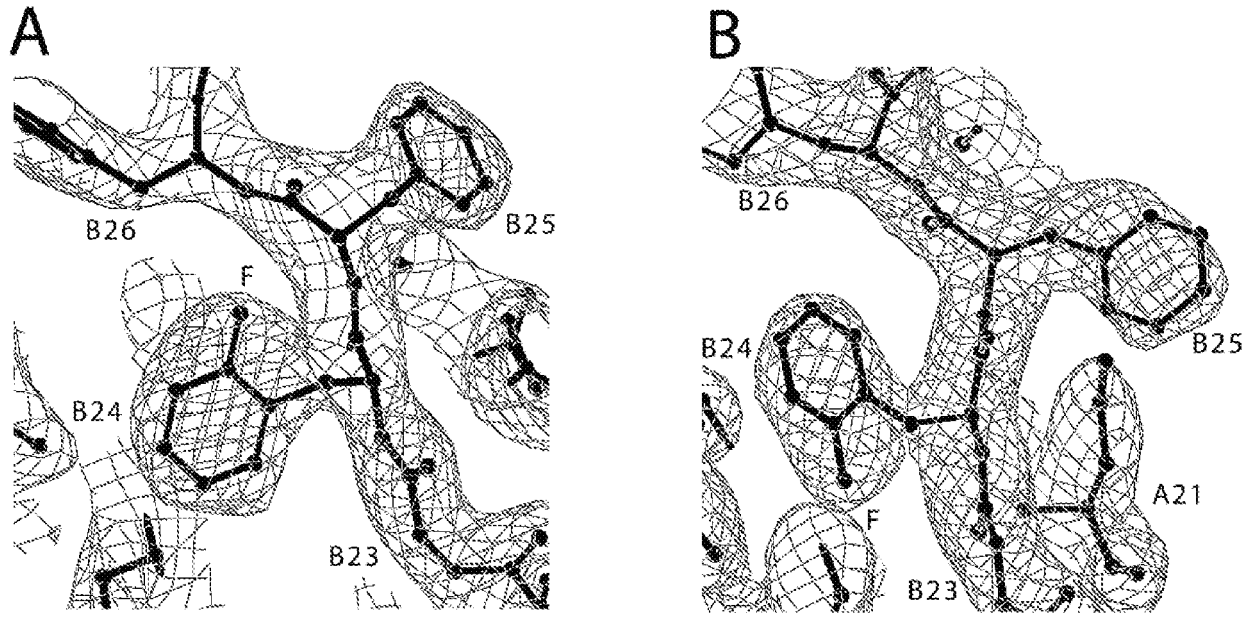


FIG. 11