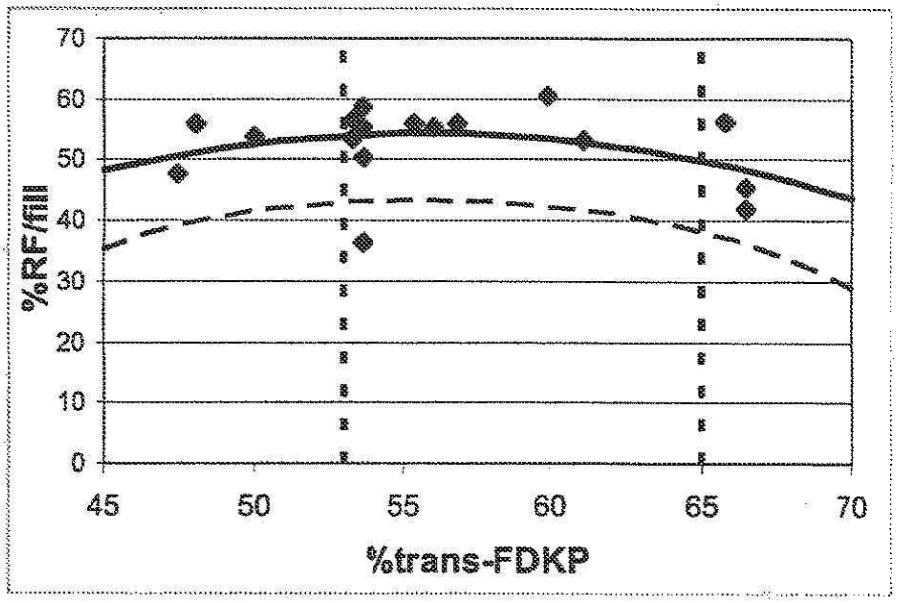
FIG. 1



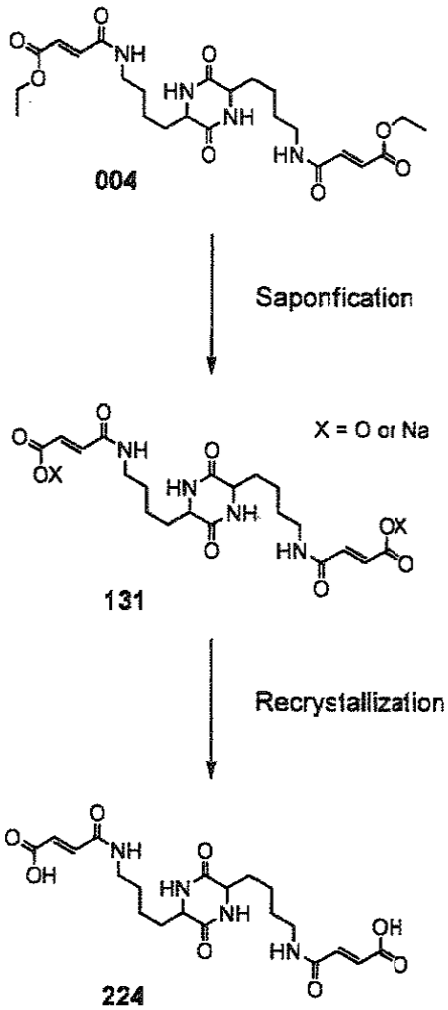


FIG. 2

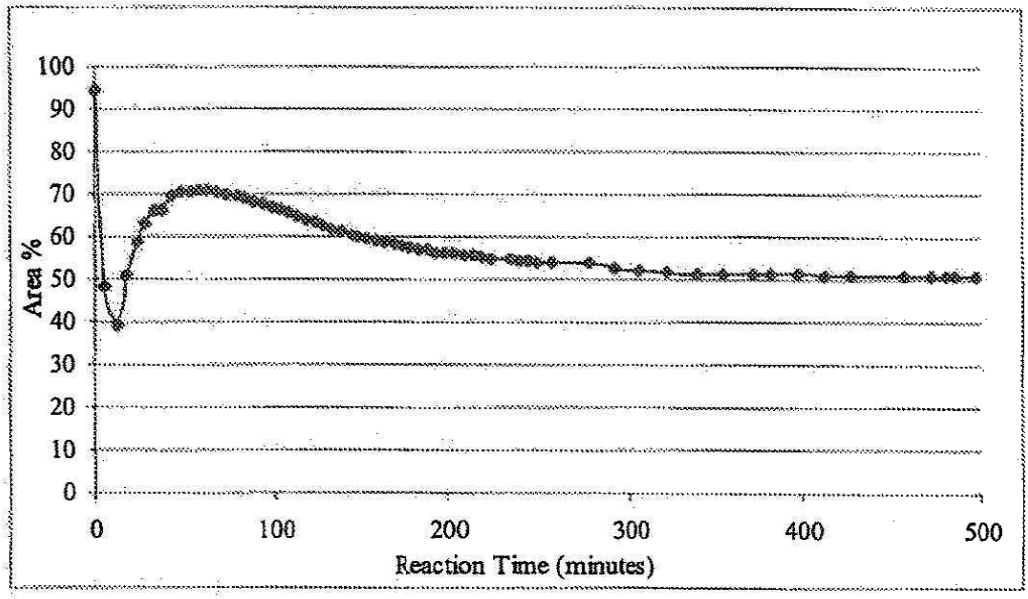

100
90
80
70
60
50
40
30
20
10
0
Area %
0
100
200
300
400
500
Reaction Time (minutes)

FIG. 3

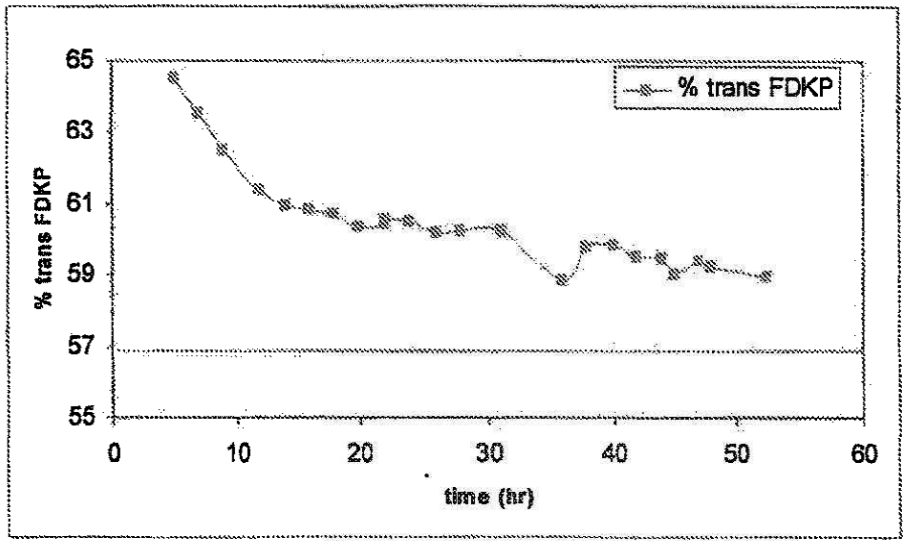


FIG. 4

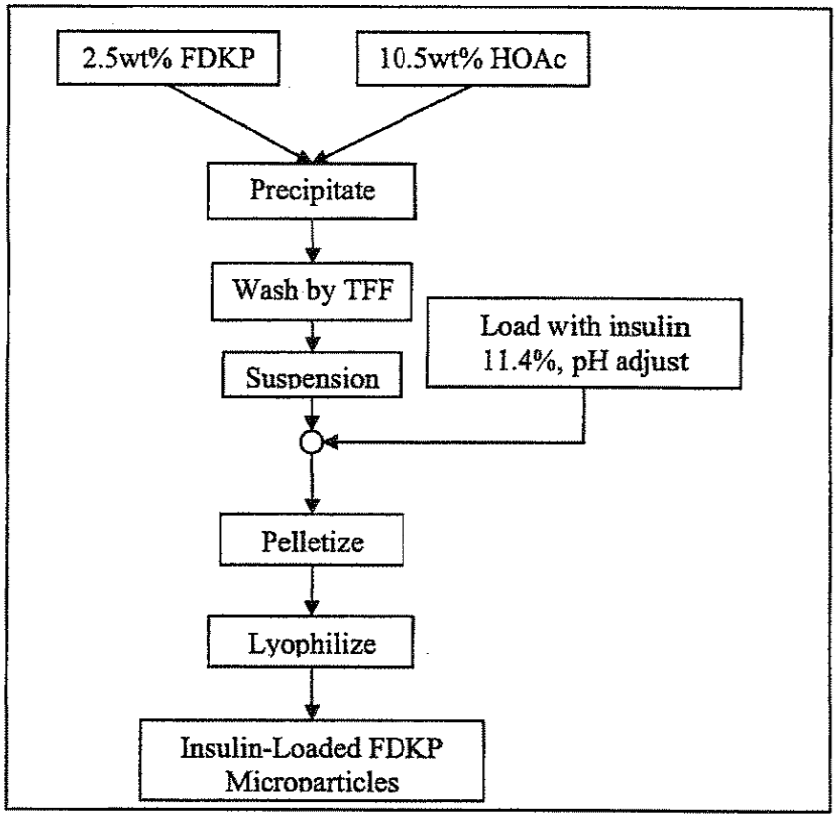

2.5wt% FDKP
10.5wt% HOAc
Precipitate
Wash by TFF
Load with insulin
11.4%, pH adjust
Suspension
Pelletize
Lyophilize
Insulin-Loaded FDKP
Microparticles

FIG. 5

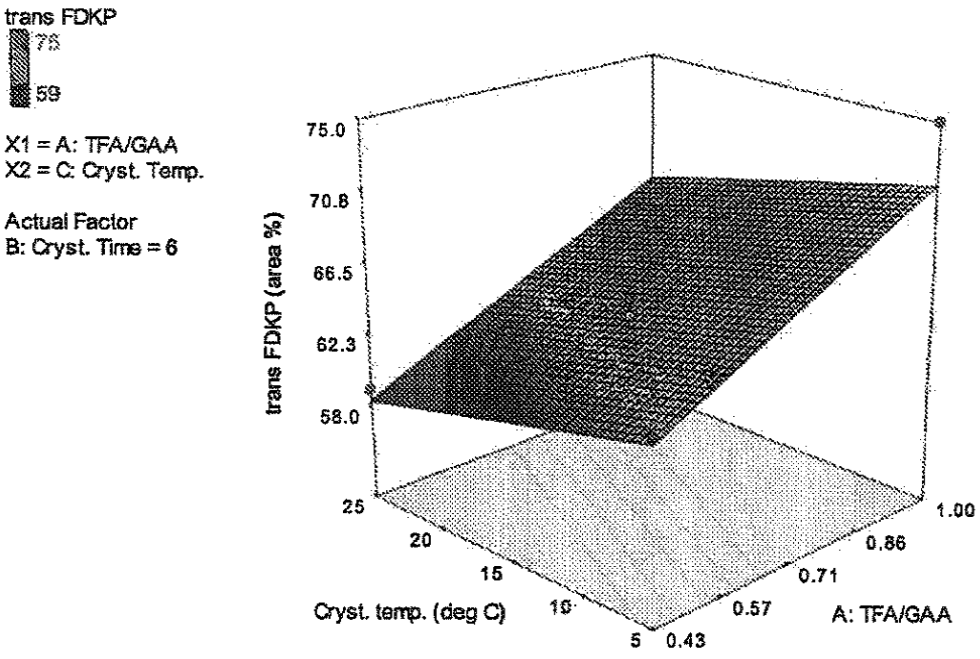

trans FDKP
75
59
X1 = A: TFA/GAA
X2 = C: Cryst. Temp.
Actual Factor
B: Cryst. Time = 6
trans FDKP (area %)
75.0
70.8
66.5
62.3
58.0
25
20
15
10
5
Cryst. temp. (deg C)
0.43
0.57
0.71
0.86
1.00
A: TFA/GAA

FIG. 6