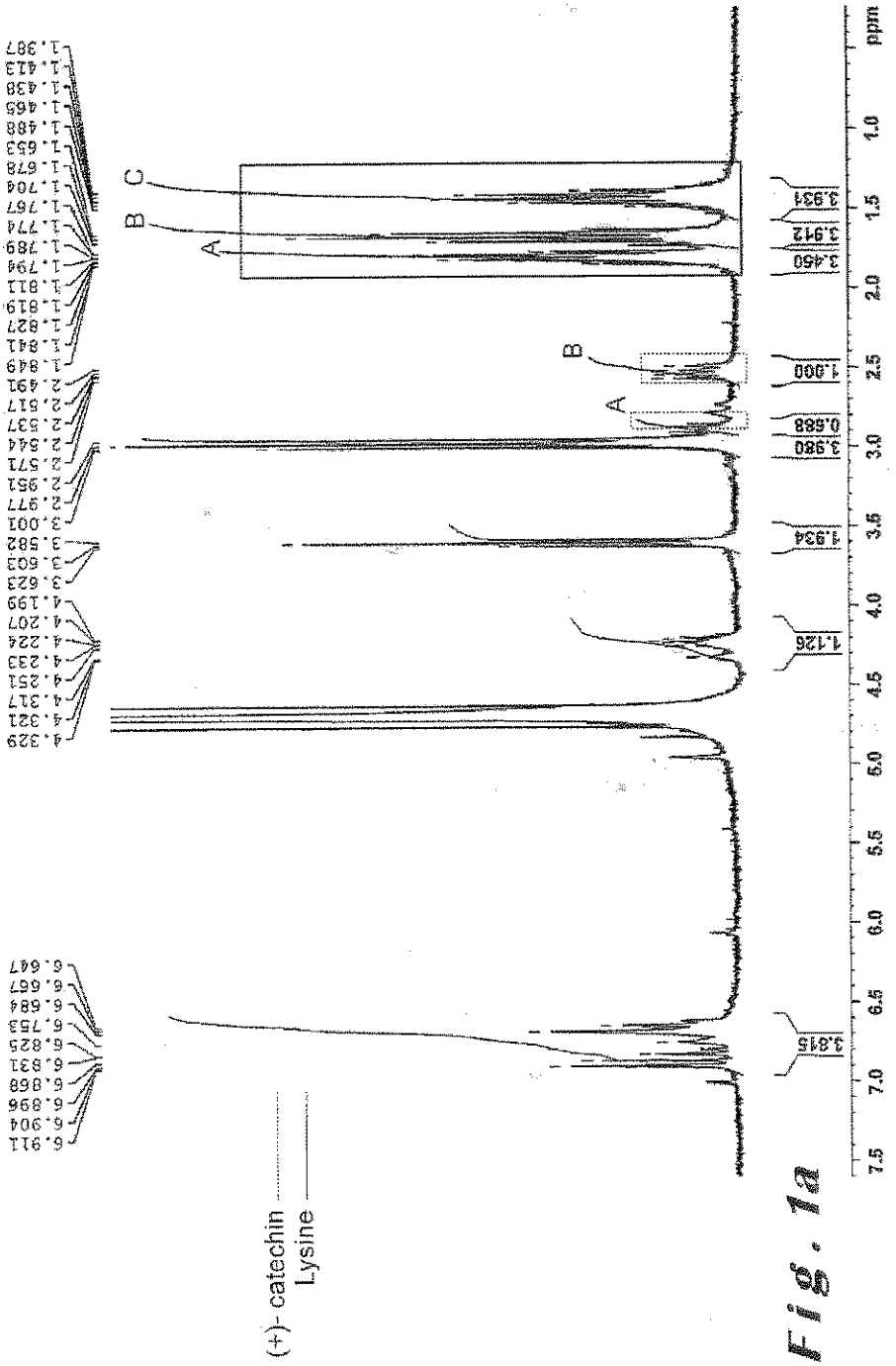

(+)- catechin
Lysine
A
B
C
ppm
1.387
1.413
1.438
1.465
1.488
1.653
1.678
1.704
1.767
1.774
1.789
1.794
1.811
1.819
1.827
1.841
1.849
2.491
2.517
2.537
2.544
2.571
2.951
2.977
3.001
3.582
3.603
3.623
4.199
4.207
4.224
4.233
4.251
4.317
4.321
4.329
6.647
6.667
6.684
6.753
6.825
6.831
6.868
6.896
6.904
6.911
3.815
1.126
1.934
3.980
0.588
1.000
3.460
3.912
3.931

Fig. 1a

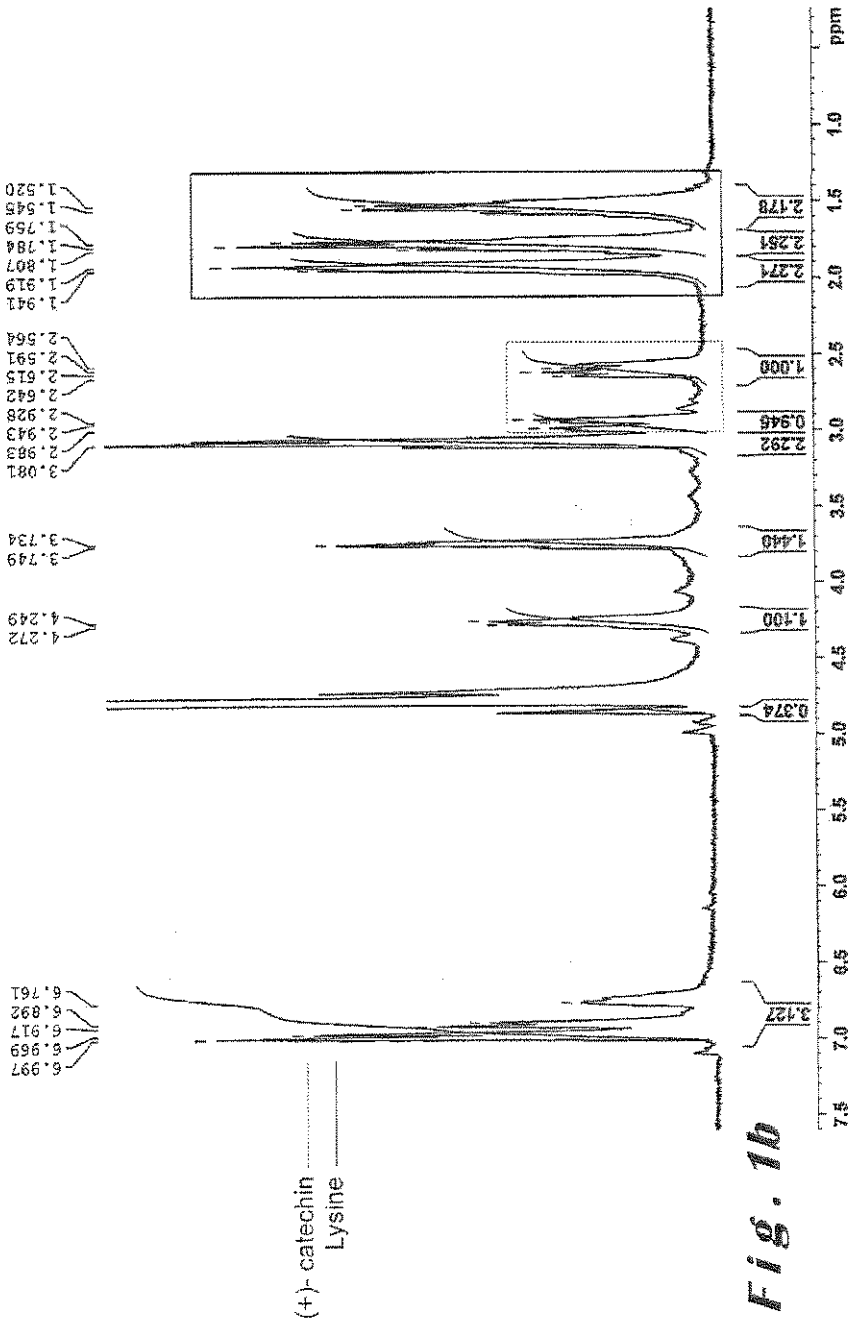

ppm
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5
6.0
6.5
7.0
7.5
2.178
2.251
2.274
1.000
0.946
2.292
1.440
1.100
0.374
3.127
1.941
1.919
1.807
1.784
1.759
1.545
1.520
2.564
2.591
2.615
2.642
2.928
2.943
2.983
3.081
3.749
3.734
4.272
4.249
6.997
6.969
6.917
6.892
6.761
(+)- catechin
Lysine

Fig. 1b

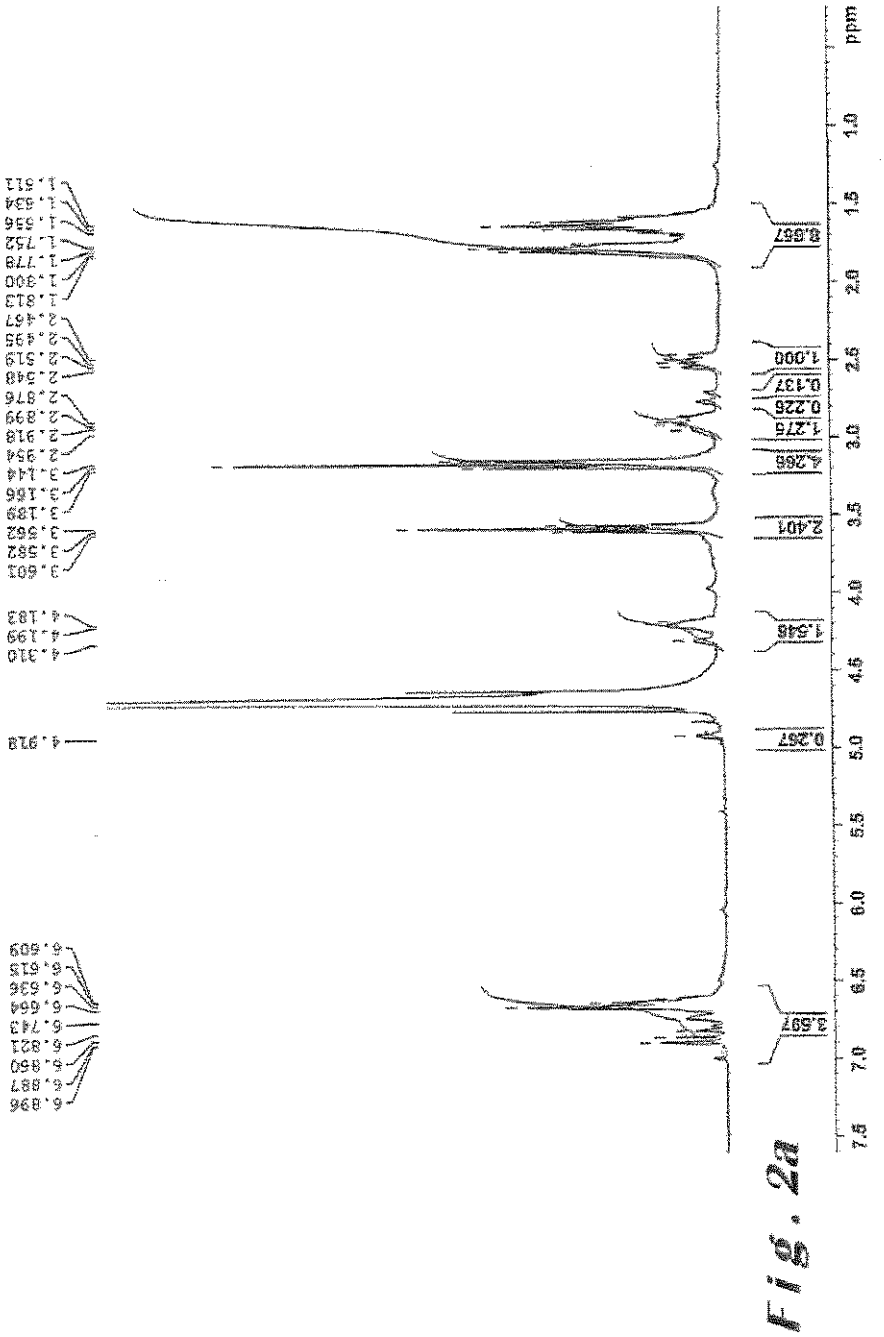

6.896
6.887
6.860
6.821
6.743
6.664
6.636
6.615
6.609
4.918
4.310
4.199
4.183
3.601
3.582
3.562
3.189
3.166
3.144
2.954
2.918
2.899
2.876
2.548
2.519
2.495
2.467
1.813
1.800
1.778
1.752
1.556
1.534
1.511
3.597
0.267
1.545
2.401
4.266
1.275
0.226
0.137
1.000
8.667
ppm

Fig. 2a

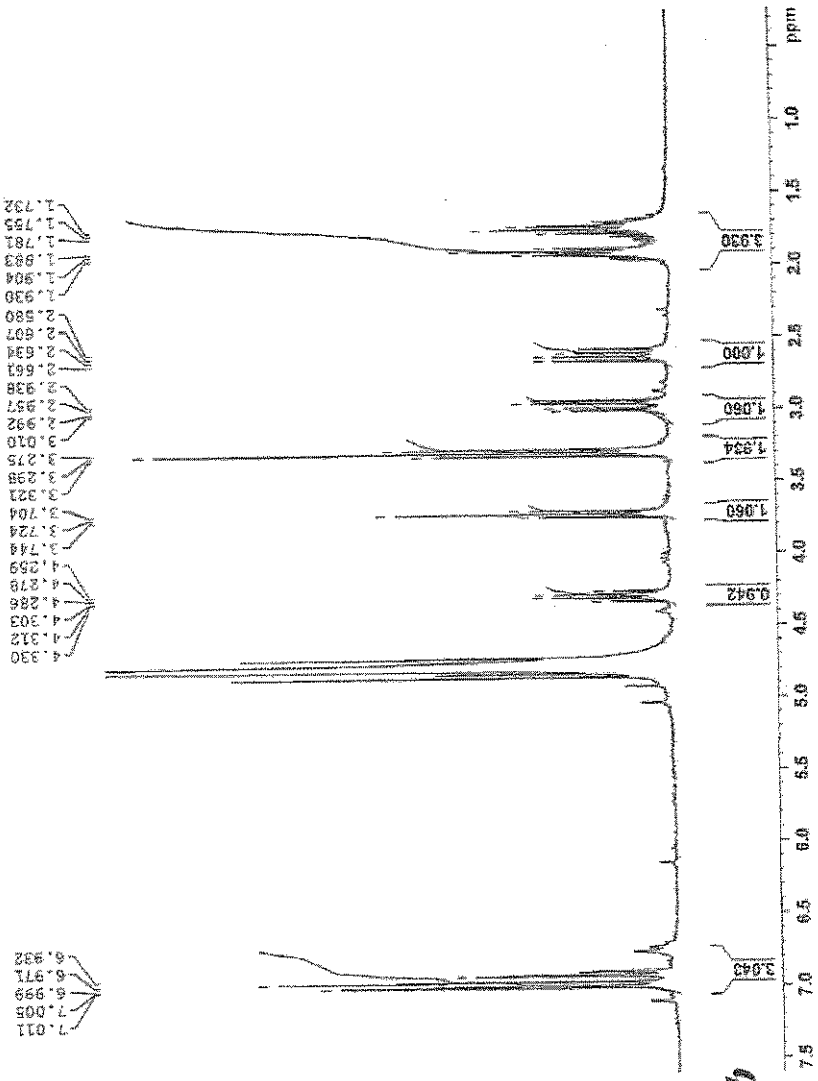

7.011
7.005
6.999
6.971
6.932
4.330
4.312
4.303
4.286
4.278
4.259
3.744
3.724
3.704
3.321
3.298
3.275
3.010
2.992
2.957
2.938
2.661
2.634
2.607
2.580
1.930
1.904
1.883
1.781
1.755
1.732
3.043
1.060
0.942
1.060
1.034
1.060
1.000
3.030
ppm
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0

*Fig. 2b*

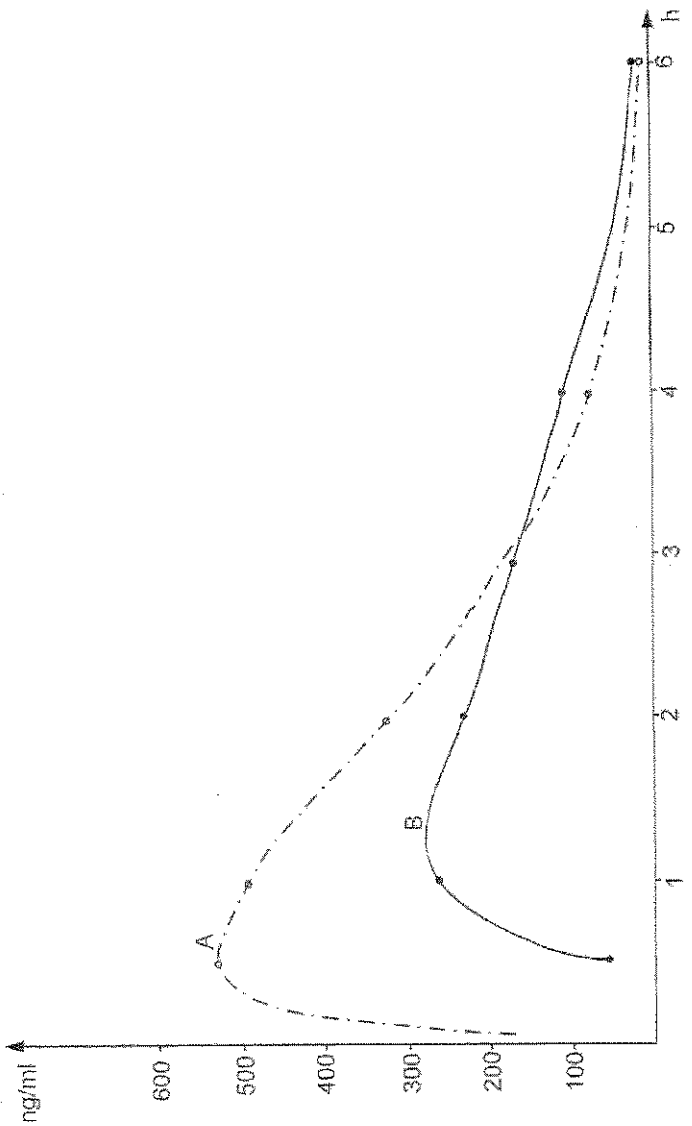



Fig. 3

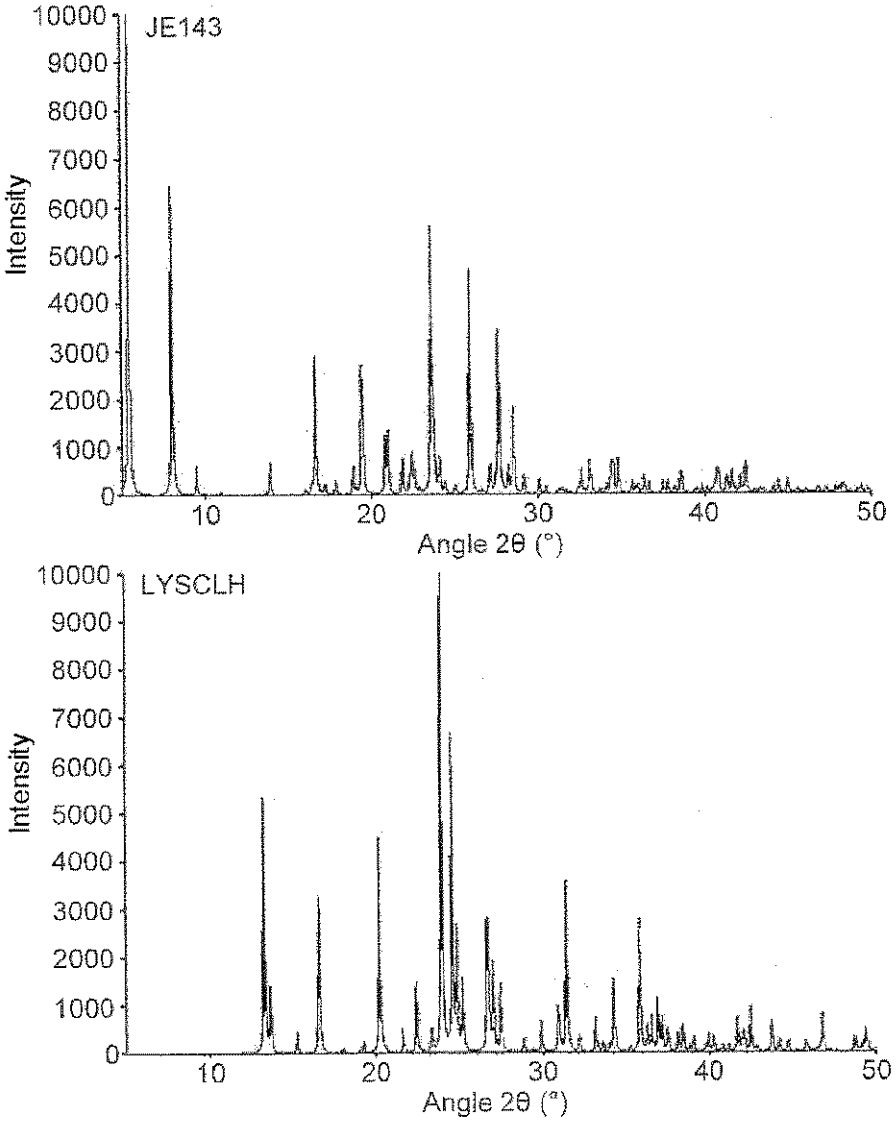

JE143
Intensity
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
10
20
30
40
50
Angle 2θ (°)
LYSCLH
Intensity
10000
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
10
20
30
40
50
Angle 2θ (°)

*Fig. 4a*

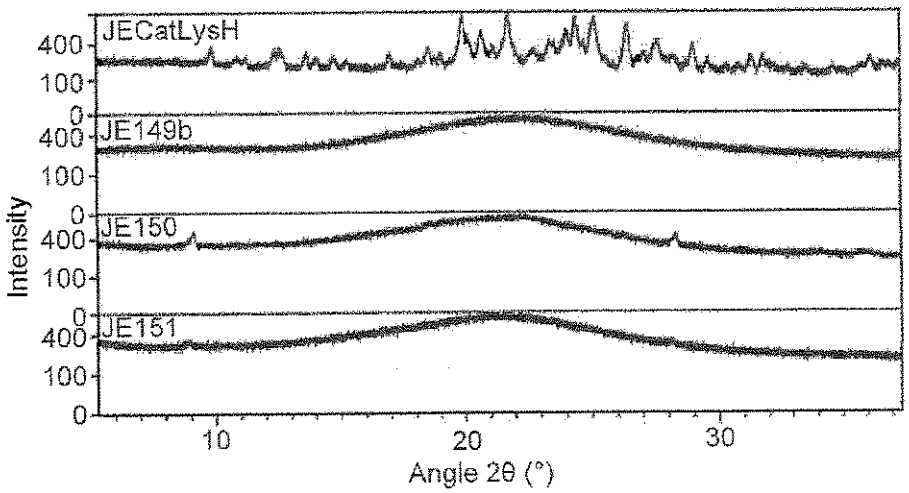

JECatLysH
JE149b
JE150
JE151
400
100
0
Intensity
10
20
30
Angle 2θ (°)

*Fig. 4b*

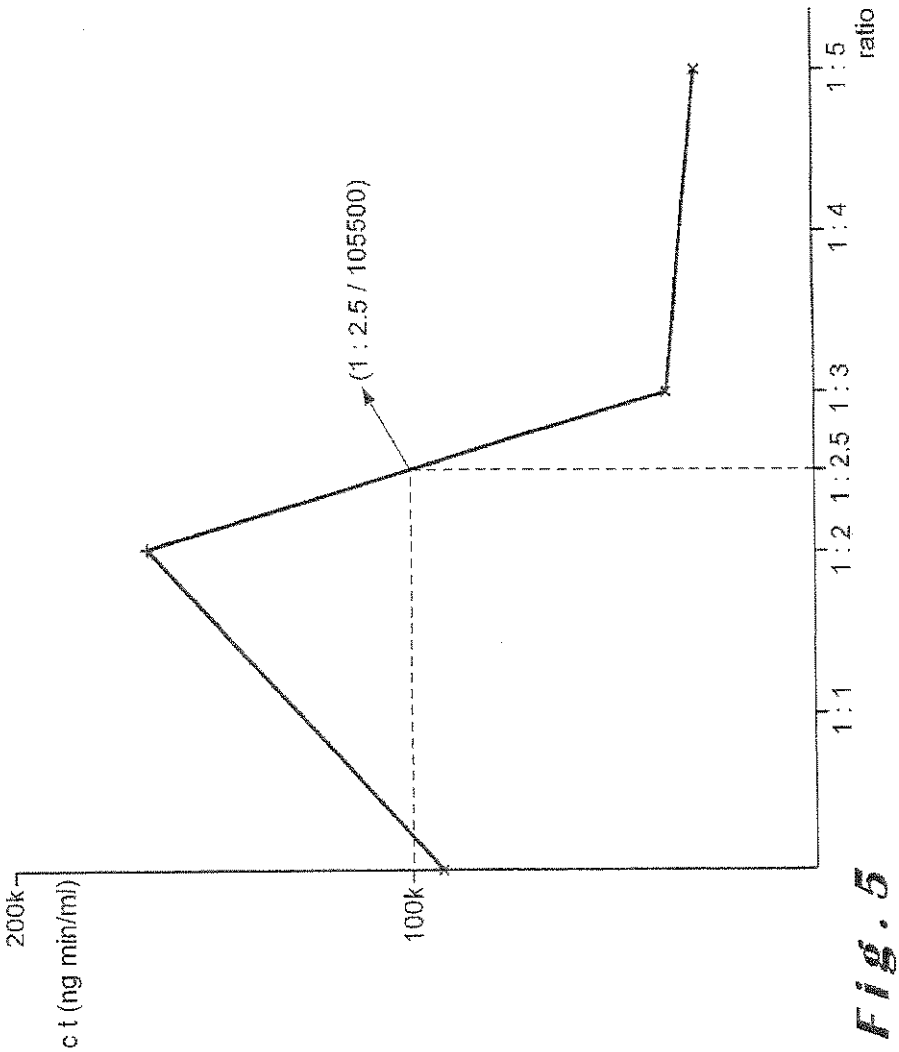



Fig. 5