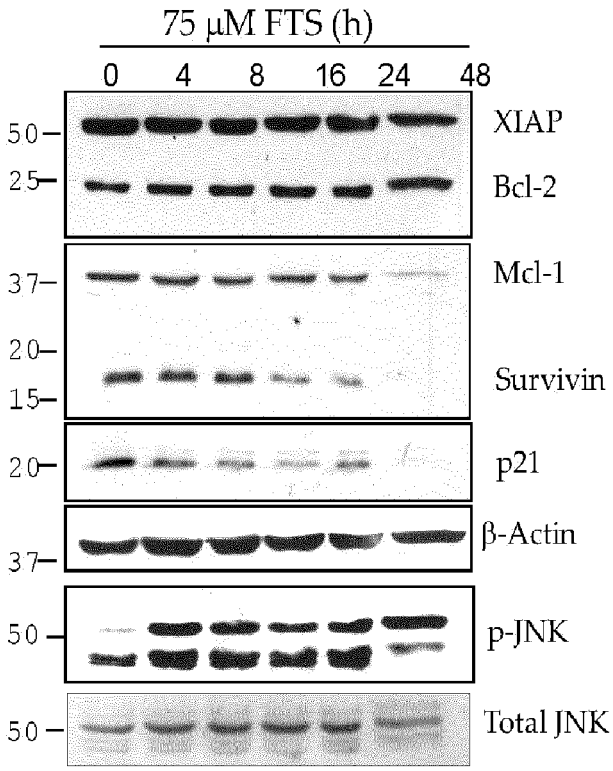

75 μM FTS (h)
0 4 8 16 24 48
50
25
XIAP
Bcl-2
37
20
15
Mcl-1
Survivin
20
p21
37
β-Actin
50
p-JNK
50
Total JNK

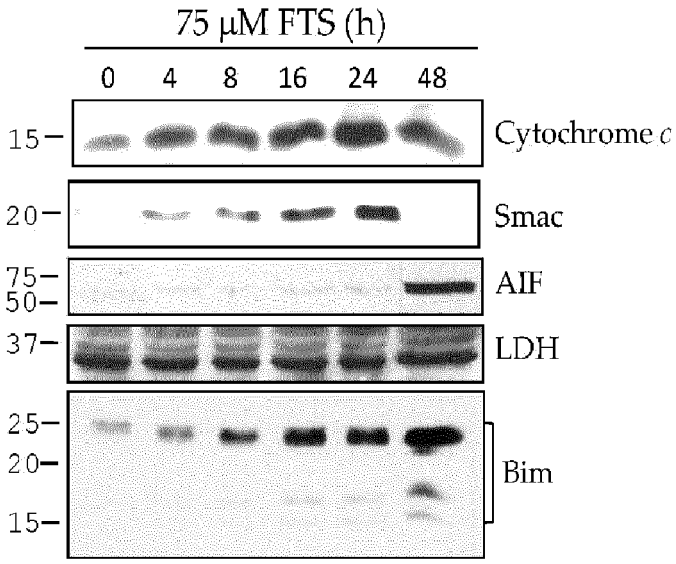

75 μM FTS (h)
0 4 8 16 24 48
15
Cytochrome c
20
Smac
75
50
AIF
37
LDH
25
20
15
Bim

Fig. 1A

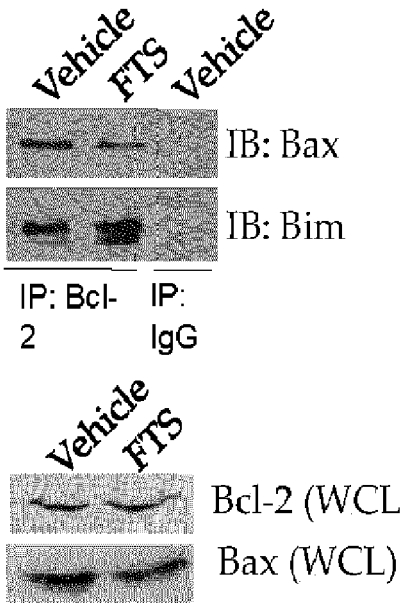

Vehicle
FTS
Vehicle
IB: Bax
IB: Bim
IP: Bcl-2
IP: IgG
Vehicle
FTS
Bcl-2 (WCL
Bax (WCL)

Fig. 1B

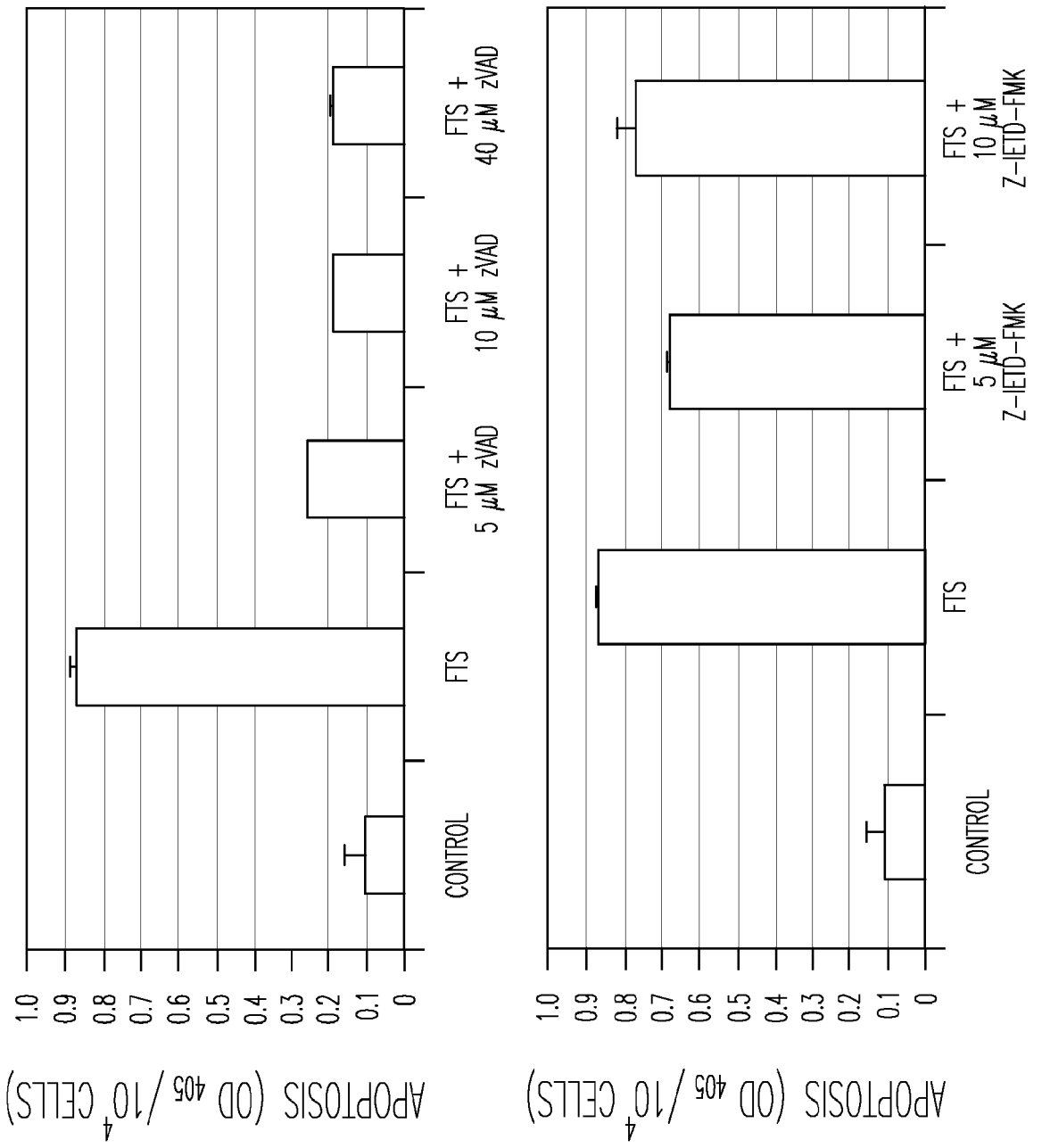

APOPTOSIS (OD 405/10^4 CELLS)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
CONTROL
FTS
FTS + 5 μM zVAD
FTS + 10 μM zVAD
FTS + 40 μM zVAD
APOPTOSIS (OD 405/10^4 CELLS)
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
CONTROL
FTS
FTS + 5 μM Z-IETD-FMK
FTS + 10 μM Z-IETD-FMK

Fig. 1C

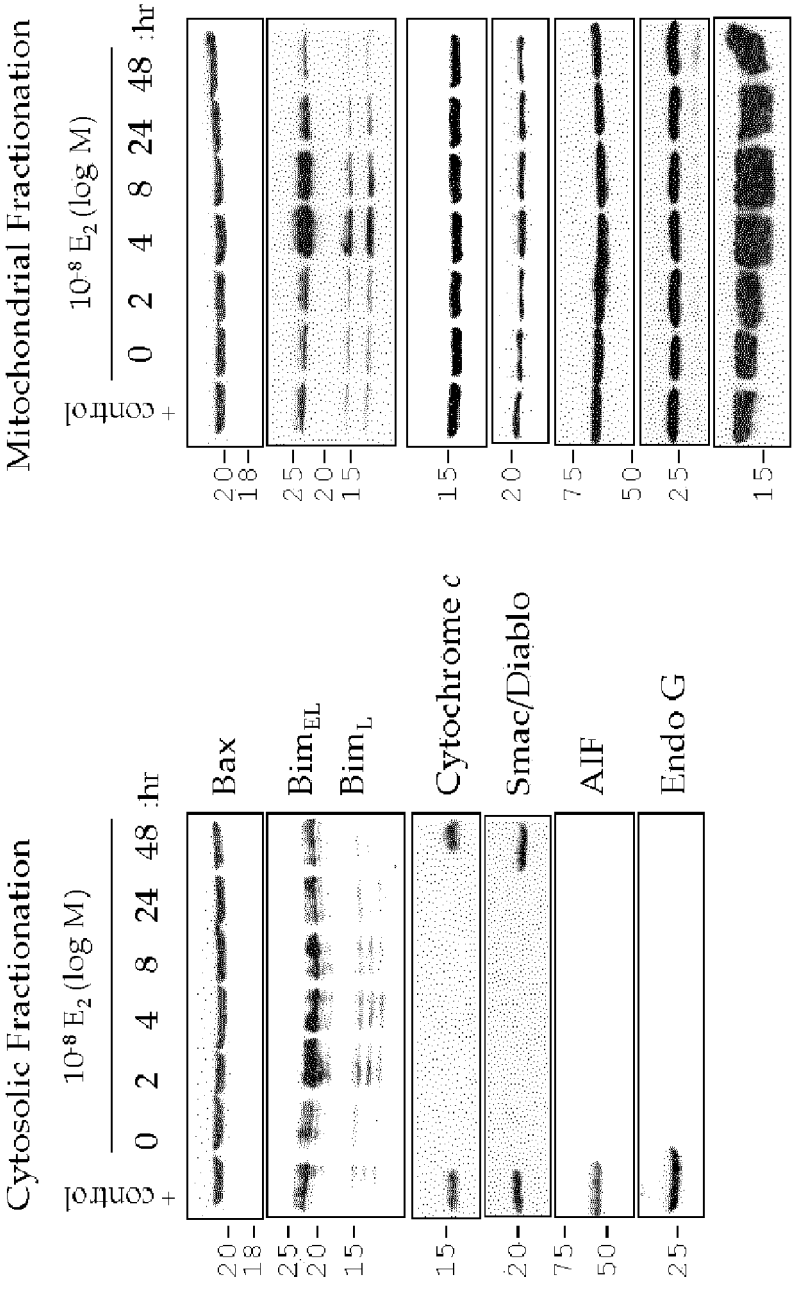

Cytosolic Fractionation
Mitochondrial Fraction
control + 0 2 4 8 24 48 :hr
10^{-8} E_2 (log M)
Bax
Bim_{EL}
Bim_L
Bim_S
Cytochrome c
Smac/Diablo
AIF
Endo G
CoxIV
20
18
25
20
15
15
20
75
50
25
15

Fig. 1D

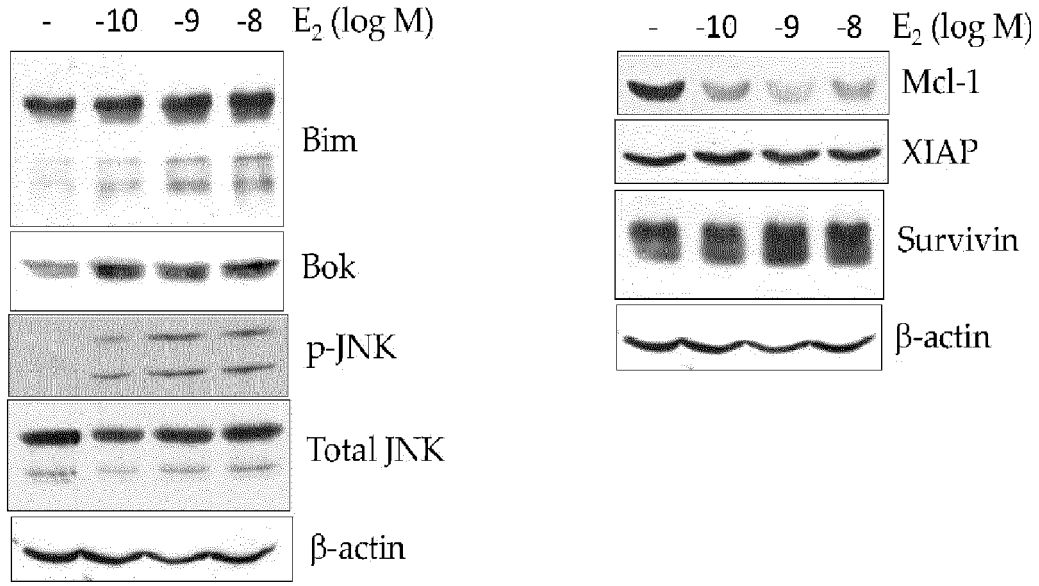

- -10 -9 -8 E2 (log M)
Bim
Bok
p-JNK
Total JNK
β-actin
- -10 -9 -8 E2 (log M)
Mcl-1
XIAP
Survivin
β-actin

Fig. 1E

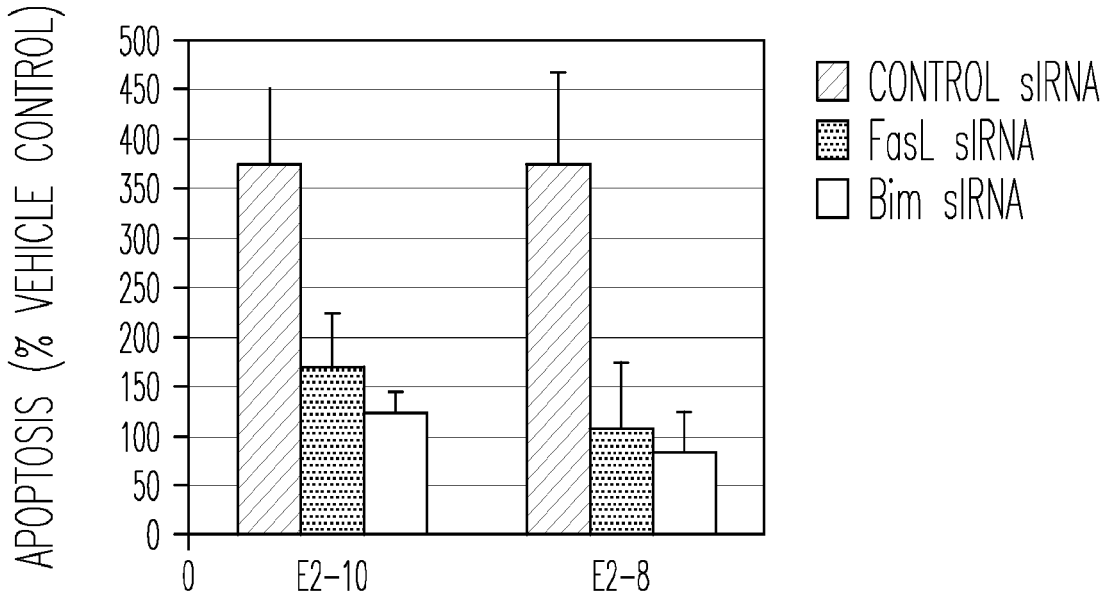

APOPTOSIS (% VEHICLE CONTROL)
500
450
400
350
300
250
200
150
100
50
0
0
E2-10
E2-8
CONTROL siRNA
FasL siRNA
Bim siRNA

Fig. 1F

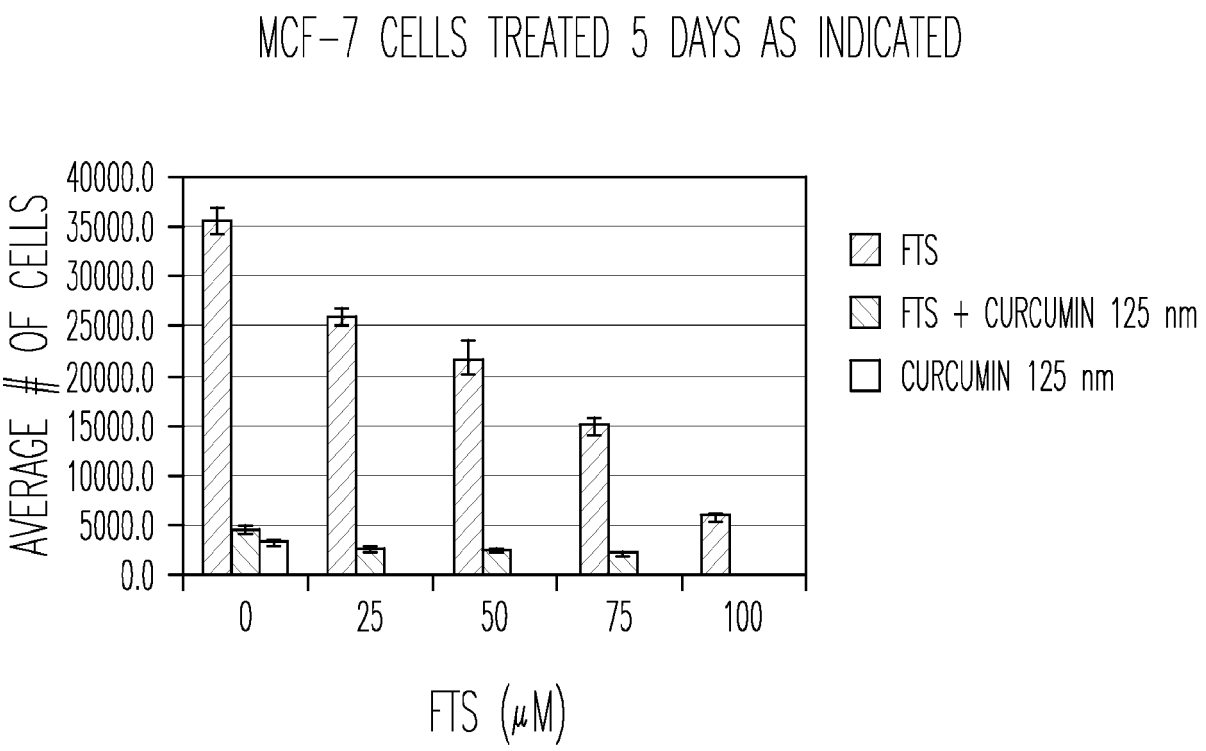

MCF-7 CELLS TREATED 5 DAYS AS INDICATED
AVERAGE # OF CELLS
40000.0
35000.0
30000.0
25000.0
20000.0
15000.0
10000.0
5000.0
0.0
0
25
50
75
100
FTS (μM)
FTS
FTS + CURCUMIN 125 nm
CURCUMIN 125 nm

Fig.2A

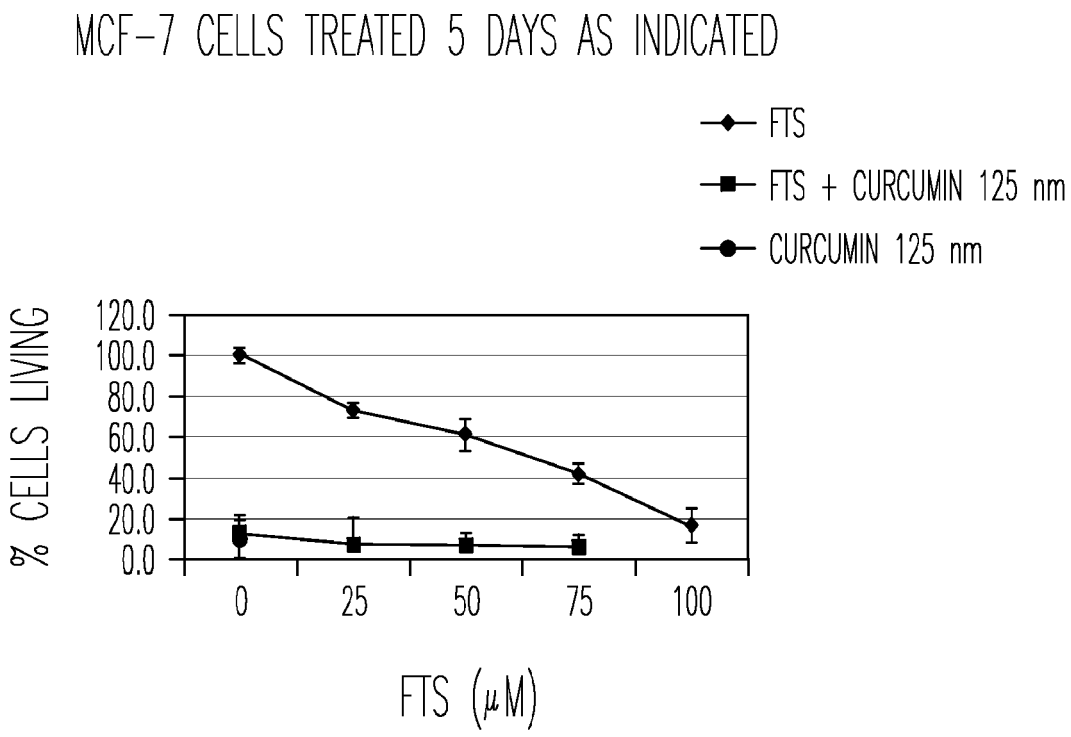

MCF-7 CELLS TREATED 5 DAYS AS INDICATED
FTS
FTS + CURCUMIN 125 nm
CURCUMIN 125 nm
% CELLS LIVING
120.0
100.0
80.0
60.0
40.0
20.0
0.0
0
25
50
75
100
FTS (μM)

Fig.2B

7/36

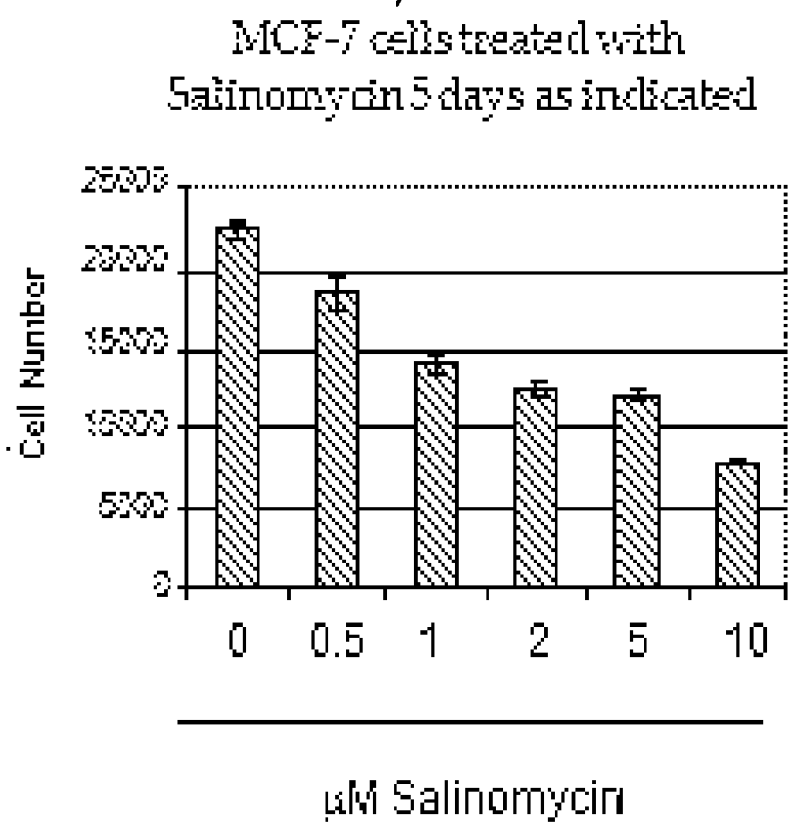


Fig. 3A

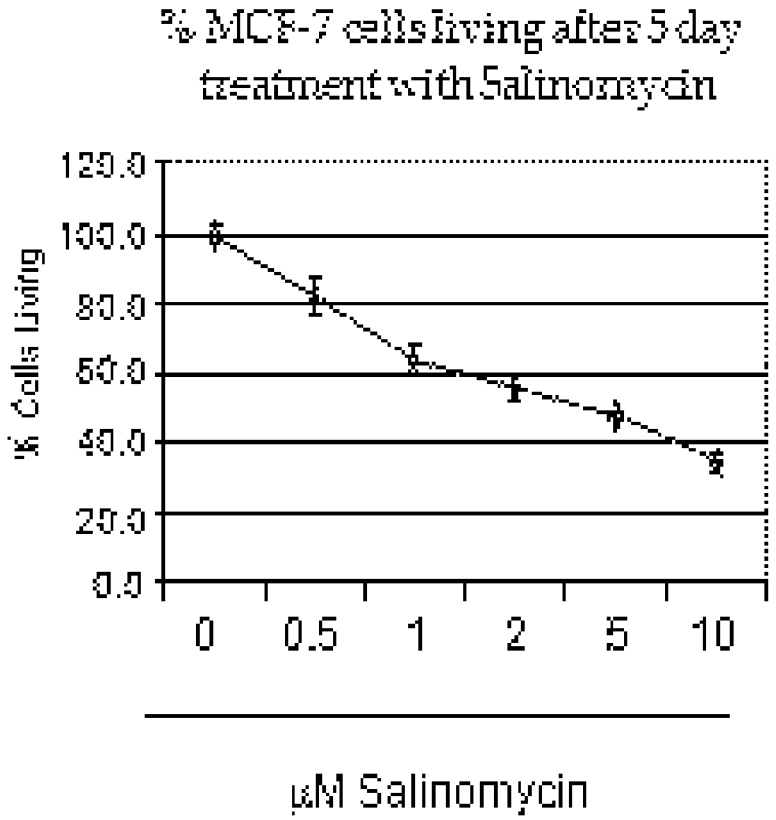


Fig. 3B

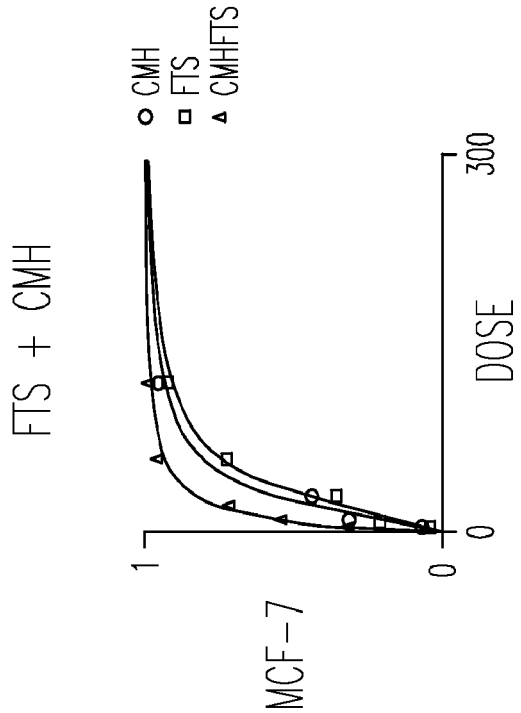

FTS + CMH
CMH
FTS
CMHFTS
1
0
0
300
DOSE
MCF-7

Fig. 4B

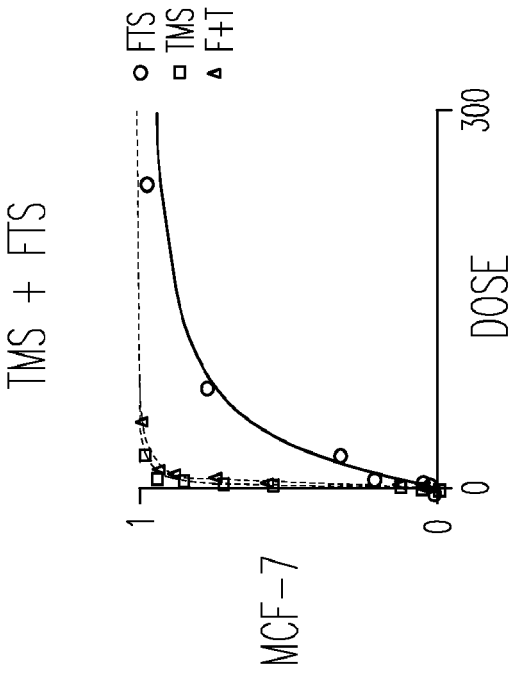

TMS + FTS
FTS
TMS
F+T
1
0
0
300
DOSE
MCF-7

Fig. 4A

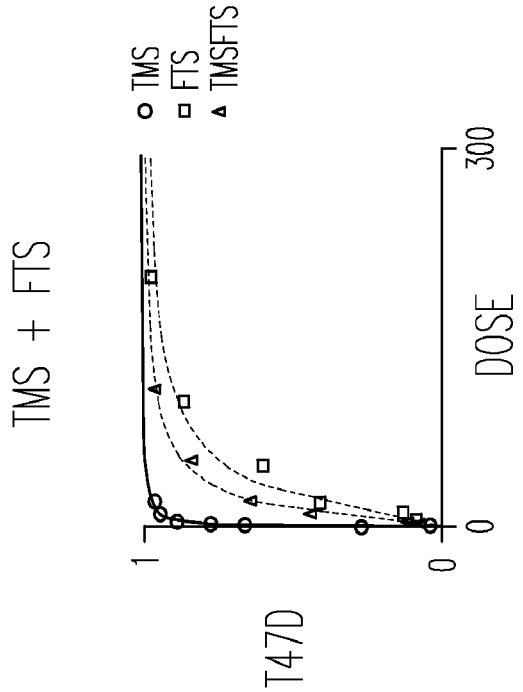

TMS + FTS
TMS
FTS
TMSFTS
1
0
0
300
DOSE
T47D

Fig. 4D

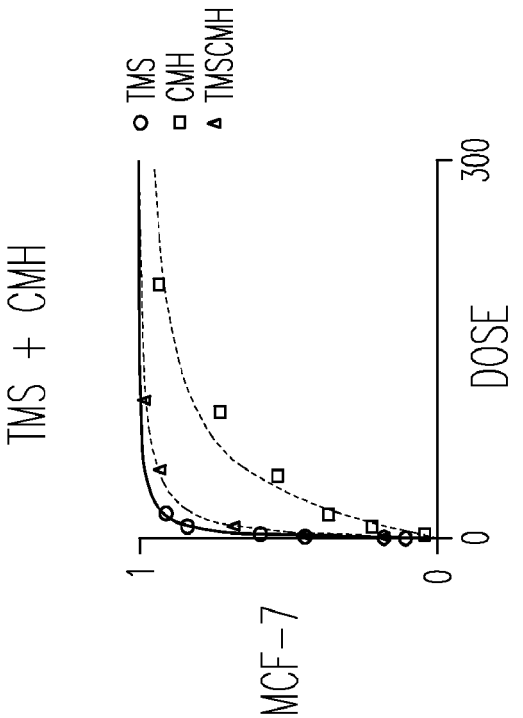

TMS + CMH
TMS
CMH
TMSCMH
1
0
0
300
DOSE
MCF-7

Fig. 4C

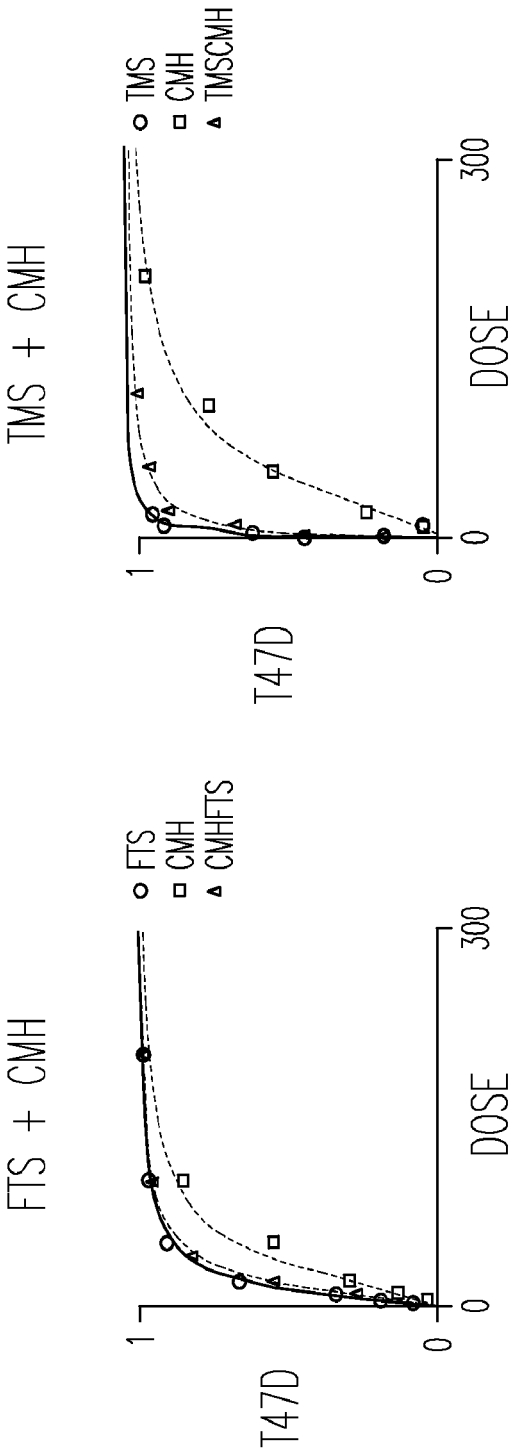

FTS + CMH
FTS
CMH
CMHFTS
T47D
1
0
0
300
DOSE

Fig. 4E

TMS + CMH
TMS
CMH
TMSCMH
T47D
1
0
0
300
DOSE

Fig. 4F

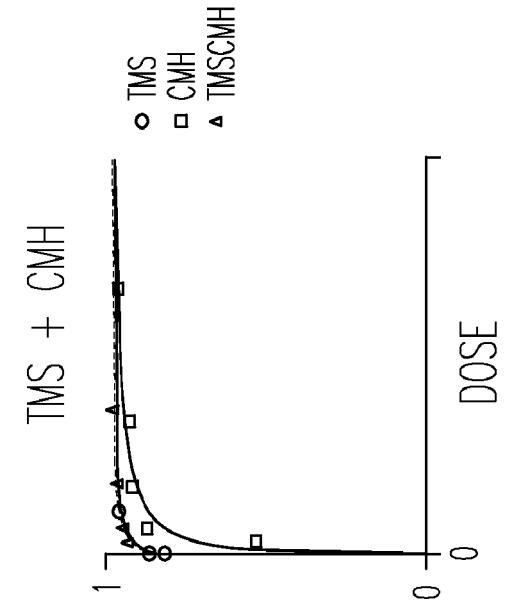

TMS + CMH
TMS
CMH
TMSCMH
1
0
0
DOSE

Fig. 5B

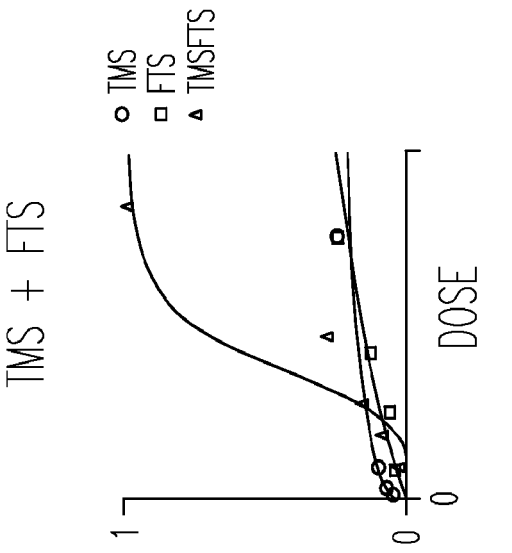

TMS + FTS
TMS
FTS
TMSFTS
1
0
0
DOSE

Fig. 5A

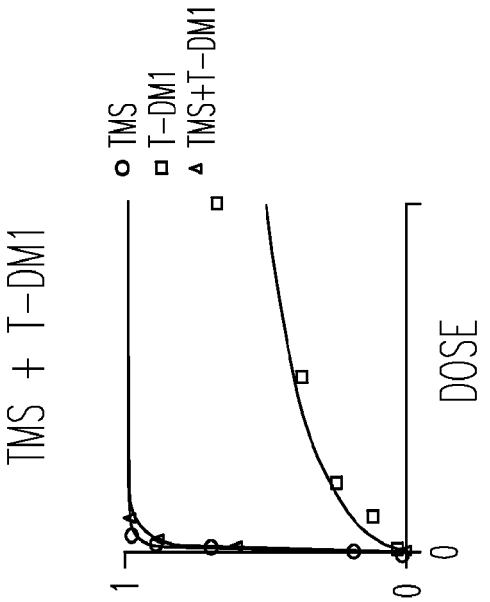

TMS + T-DM1
TMS
T-DM1
TMS+T-DM1
1
0
0
DOSE

Fig. 5D

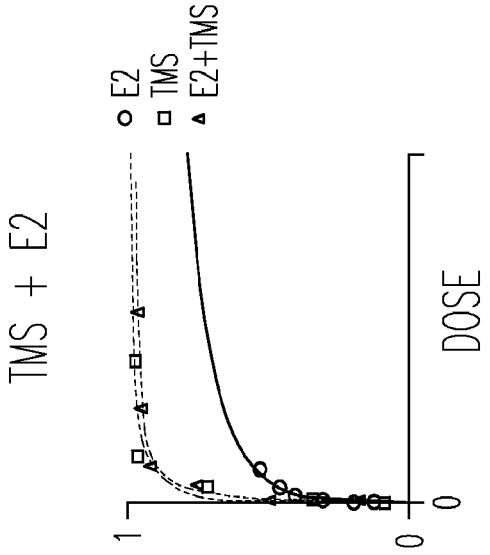

TMS + E2
E2
TMS
E2+TMS
1
0
0
DOSE

Fig. 5C

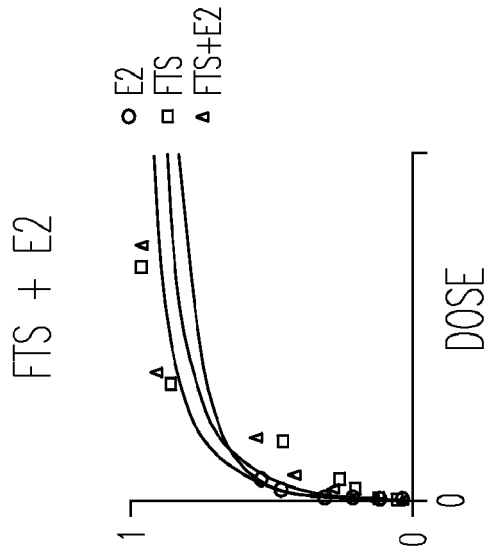


Fig. 5F

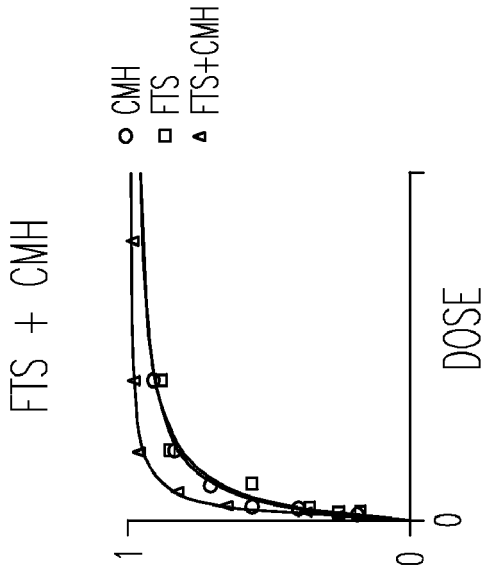


Fig. 5E

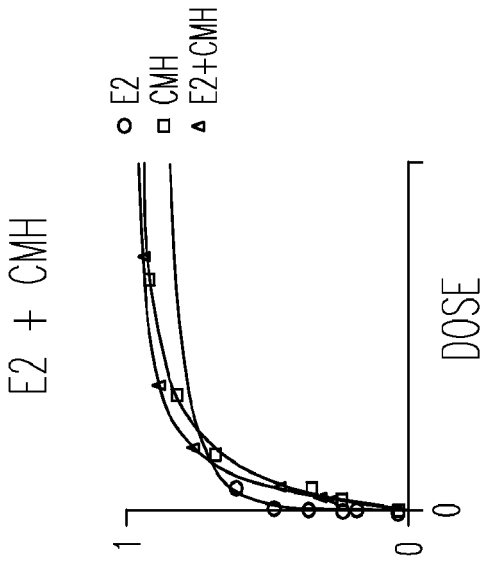

E2 + CMH
E2
CMH
E2+CMH
1
0
0
DOSE

Fig. 5H

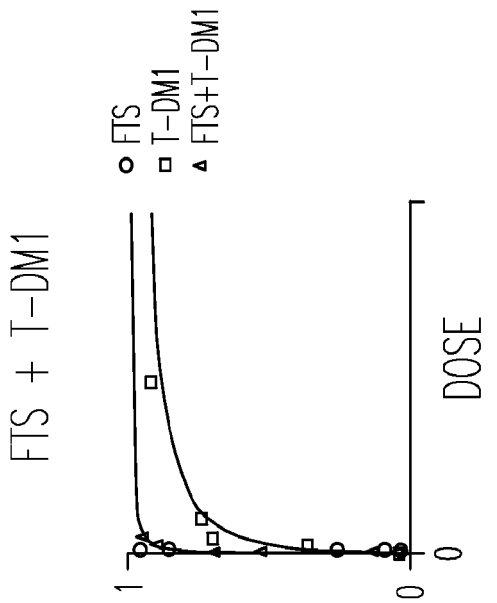

FTS + T-DM1
FTS
T-DM1
FTS+T-DM1
1
0
0
DOSE

Fig. 5G

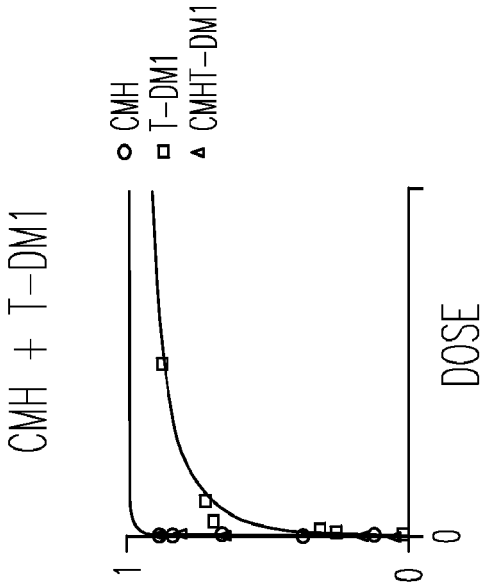

CMH + T-DM1
CMH
T-DM1
CMHT-DM1
1
0
0
DOSE

Fig. 5J

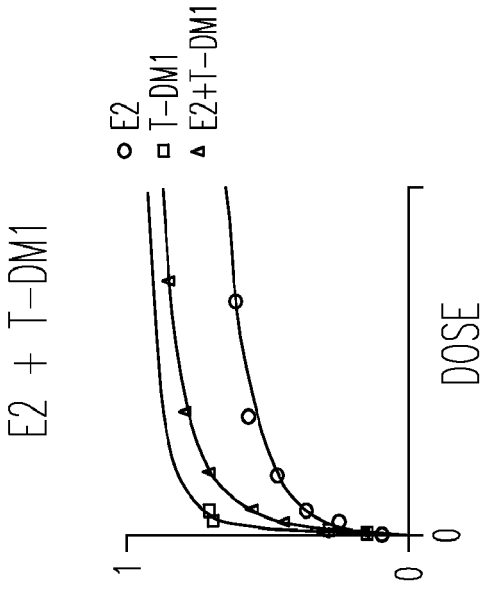

E2 + T-DM1
E2
T-DM1
E2+T-DM1
1
0
0
DOSE

Fig. 5I

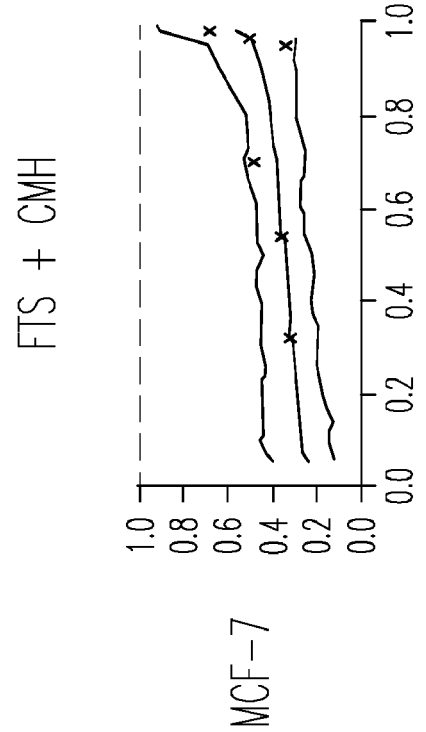

FTS + CMH
MCF-7
FRACTIONAL EFFECT
0.0
0.2
0.4
0.6
0.8
1.0

Fig. 6B

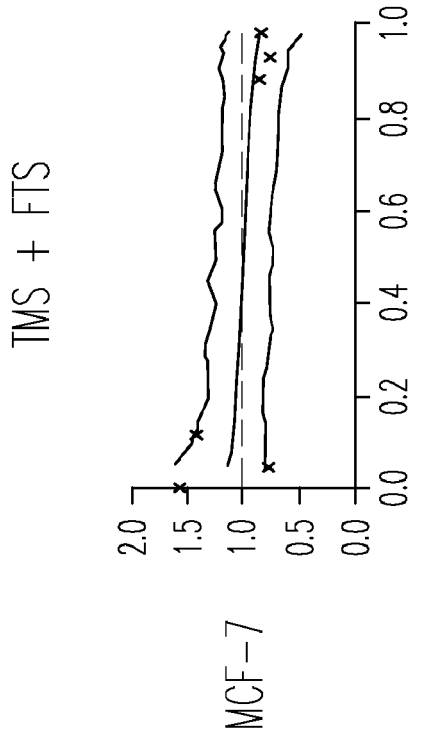

TMS + FTS
MCF-7
FRACTIONAL EFFECT
0.0
0.5
1.0
1.5
2.0

Fig. 6A

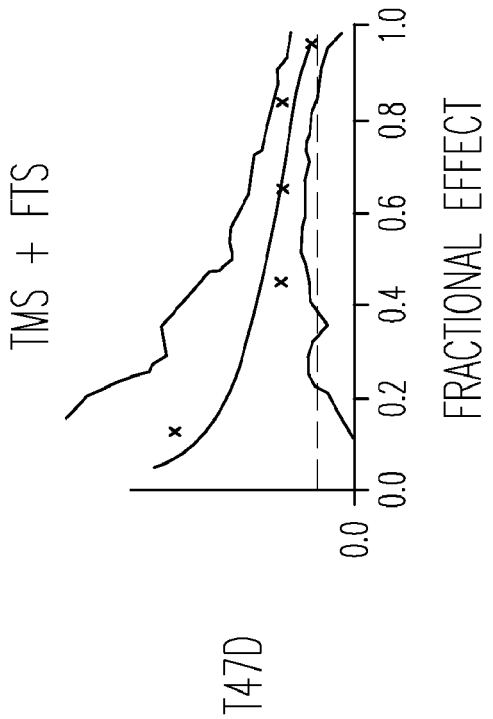

TMS + FTS
T47D
FRACTIONAL EFFECT
0.0
0.2
0.4
0.6
0.8
1.0

Fig. 6D

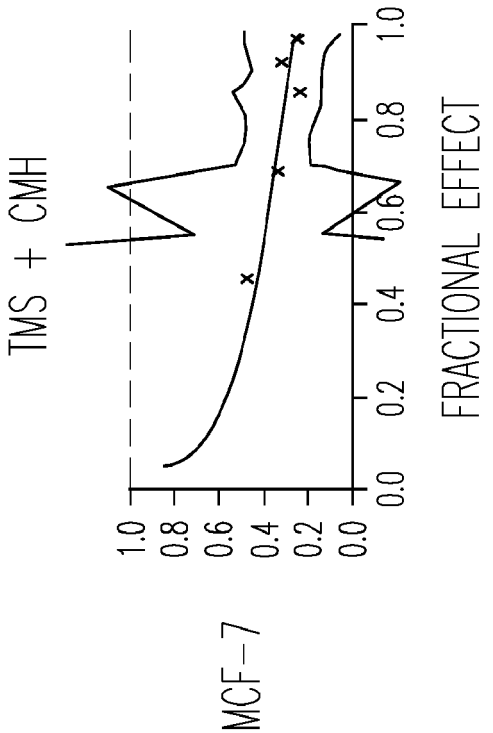

TMS + CMH
MCF-7
FRACTIONAL EFFECT
0.0
0.2
0.4
0.6
0.8
1.0

Fig. 6C

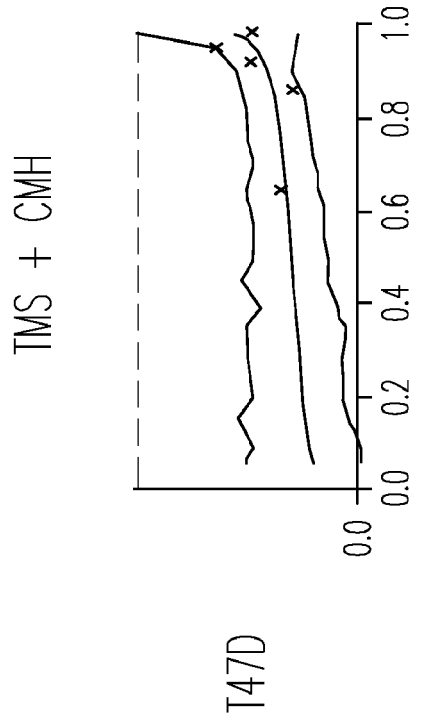

TMS + CMH
T47D
0.0
0.0
0.2
0.4
0.6
0.8
1.0
FRACTIONAL EFFECT

Fig. 6F

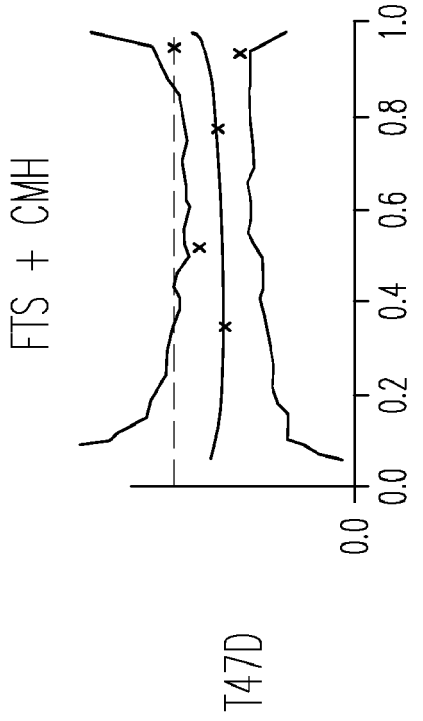

FTS + CMH
T47D
0.0
0.0
0.2
0.4
0.6
0.8
1.0
FRACTIONAL EFFECT

Fig. 6E

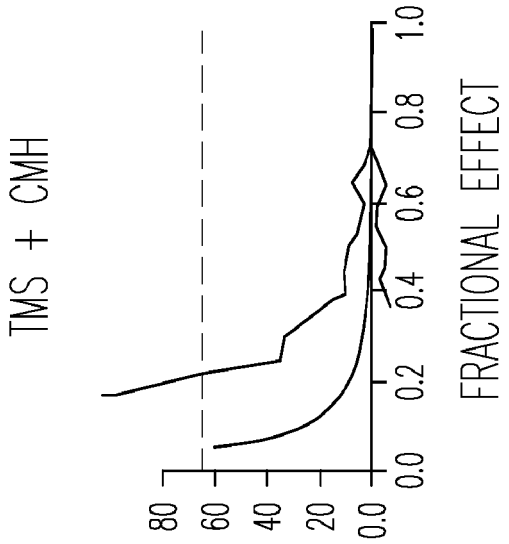


Fig. 7AB

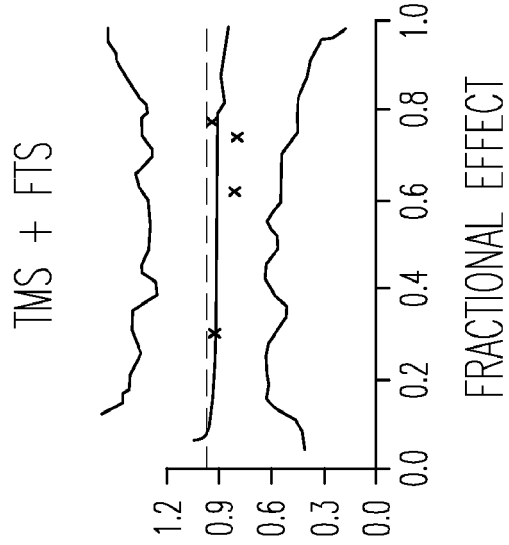


Fig. 7AA

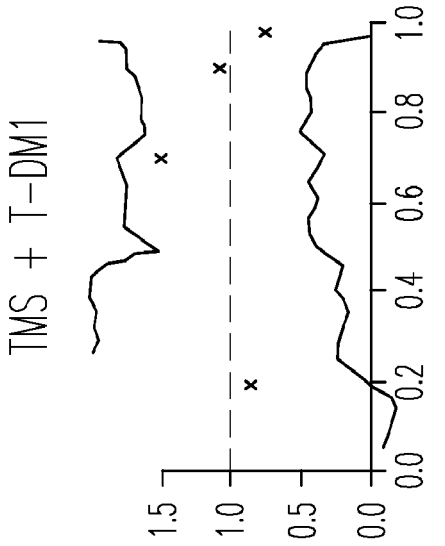


Fig. 7AD

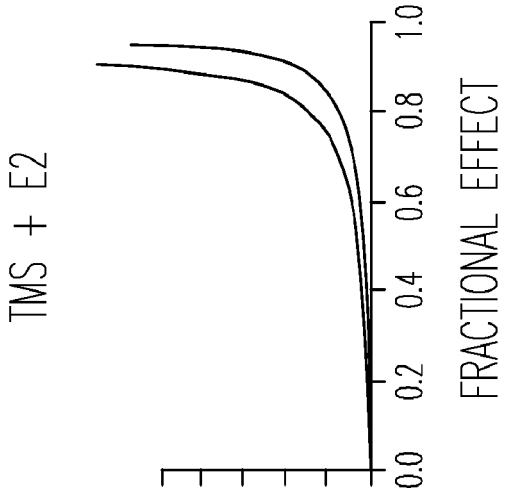


Fig. 7AC

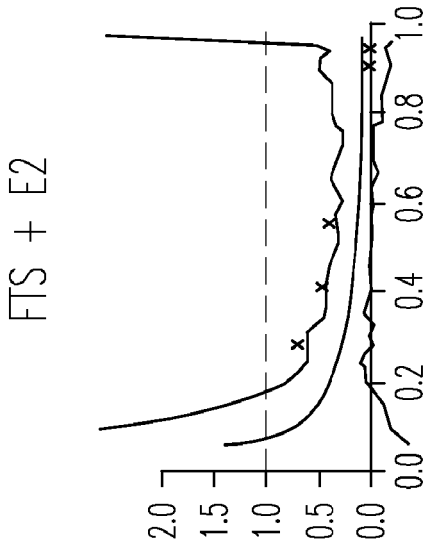


Fig. 7AF

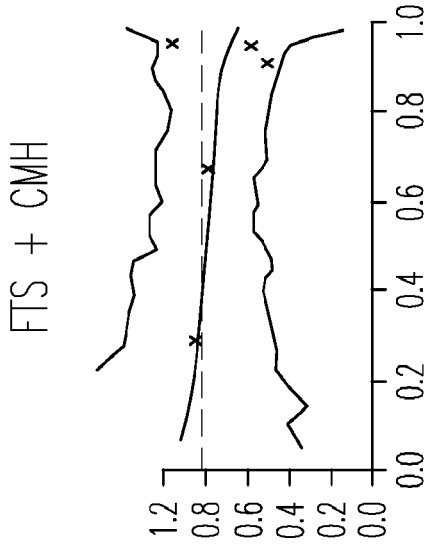


Fig. 7AE

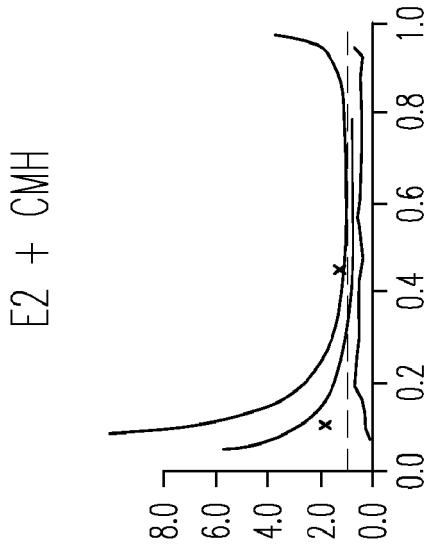


Fig. 2AH1

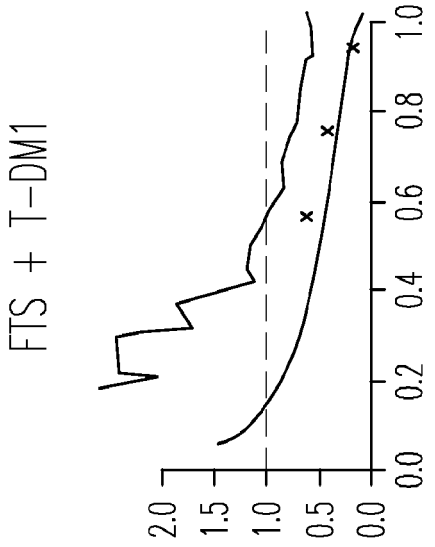


Fig. 2AG

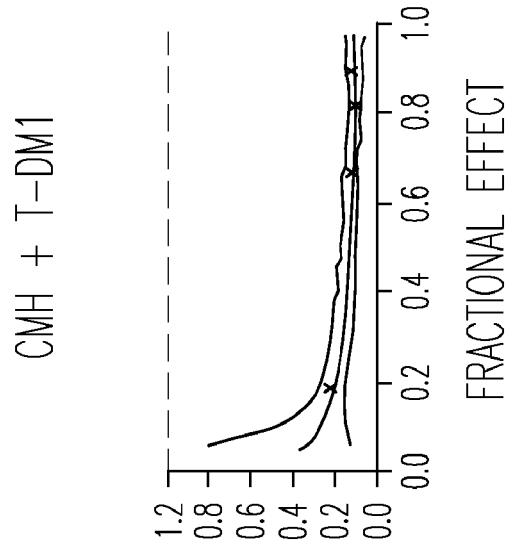


Fig. 7I

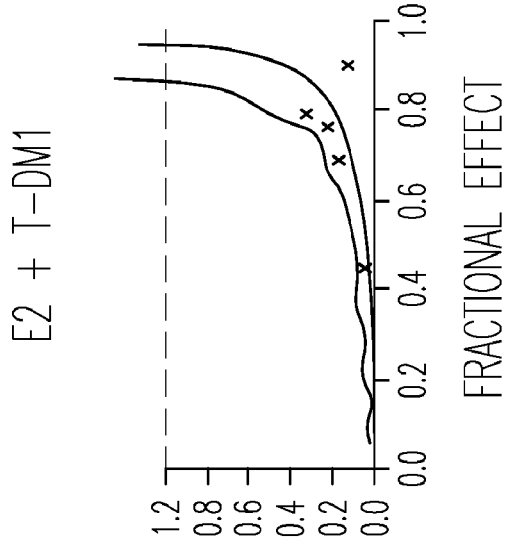


Fig. 7H2

k. TMS + CMH

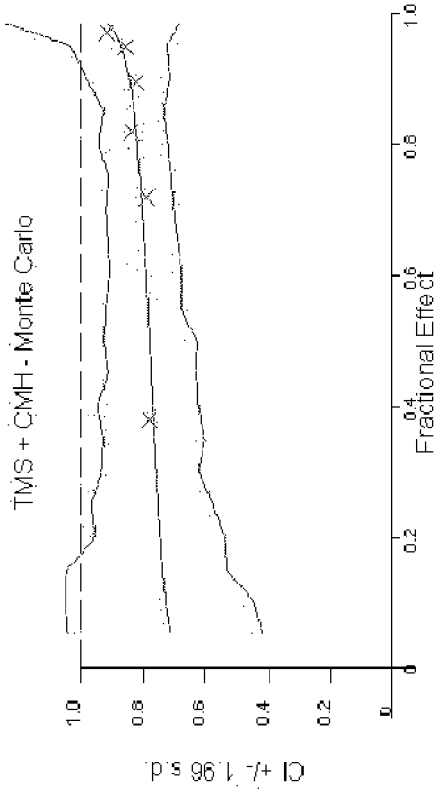


Fig. 7BK

j. TMS + FTS

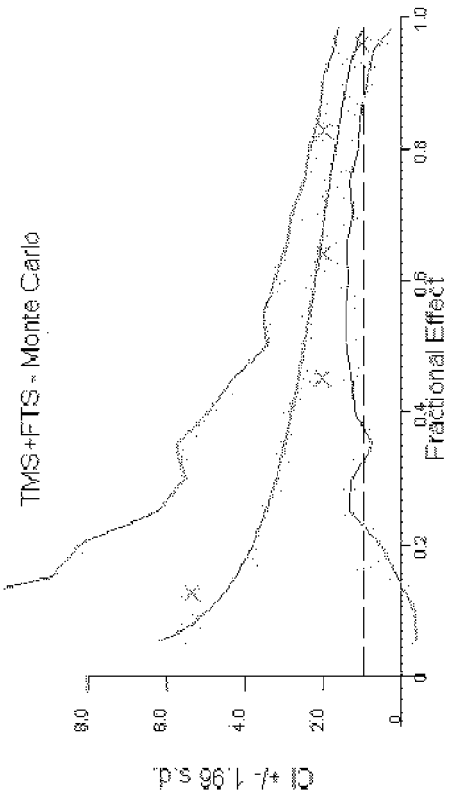


Fig. 7BJ

l. TMS + E2

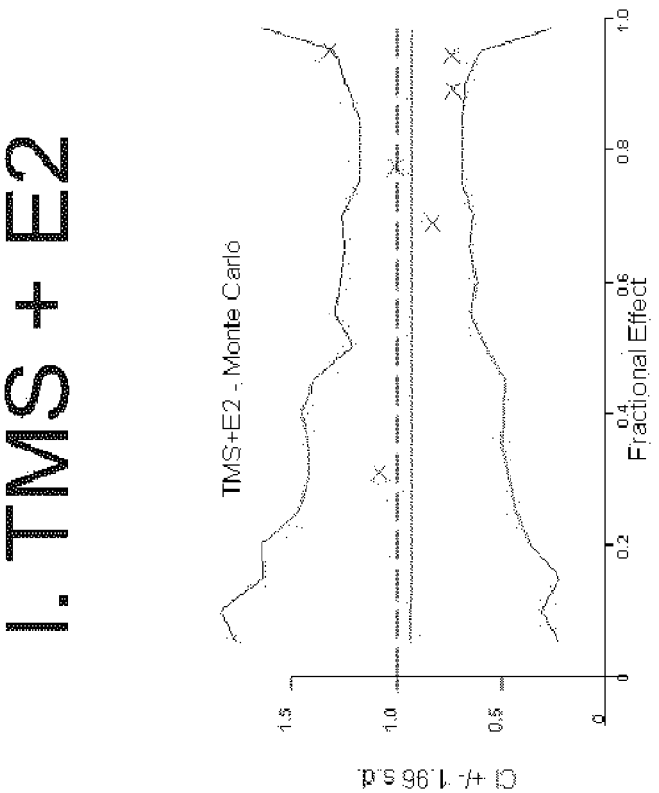


Fig. 7BL

m. TMS + T-DM1

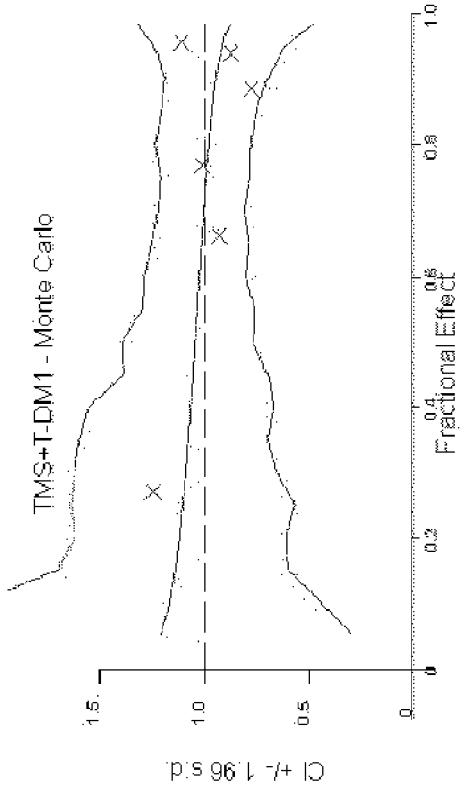


Fig. 7BM

o. FTS + E2

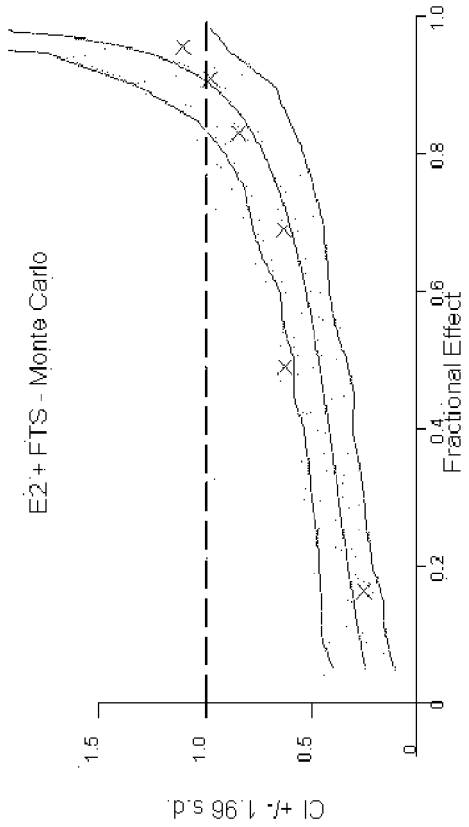


Fig. 7BO

n. FTS + CMH

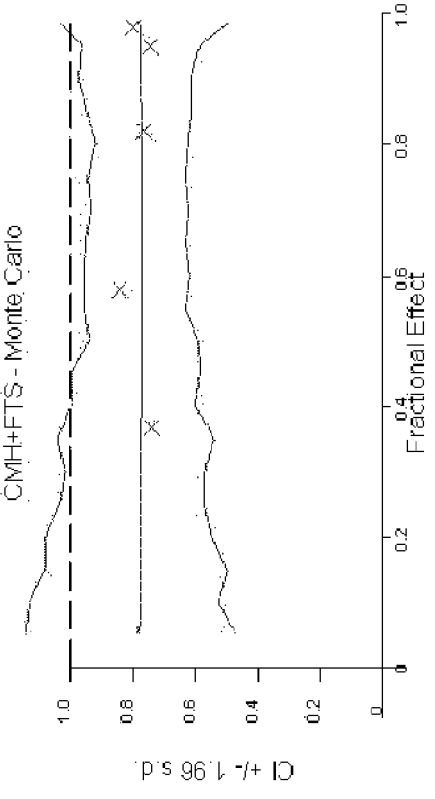


Fig. 7BN

q. E2 + CMH

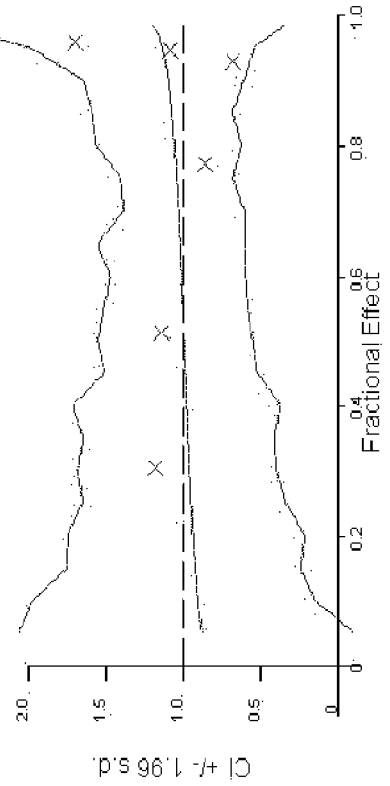


Fig. 7BQ

p. FTS + T-DM1

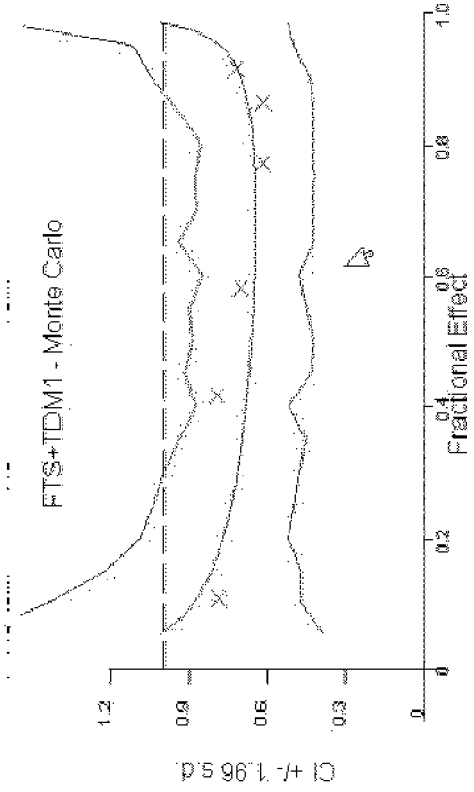


Fig. 7BP

s. CMH + T-DM1

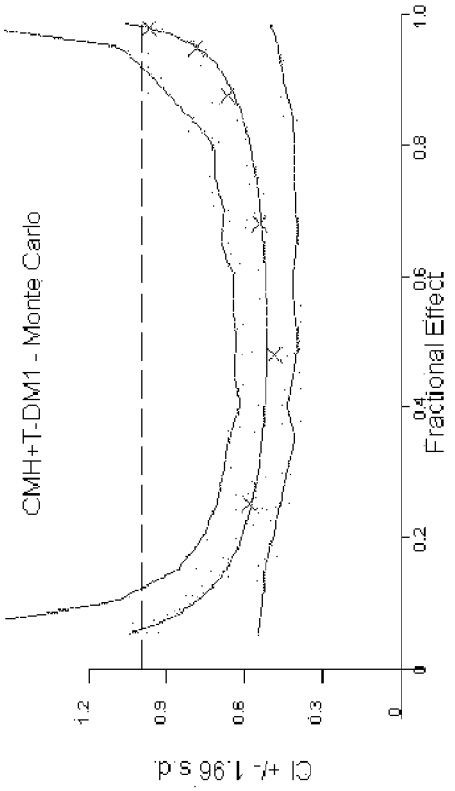


Fig. 7BS

r. E2 + T-DM1

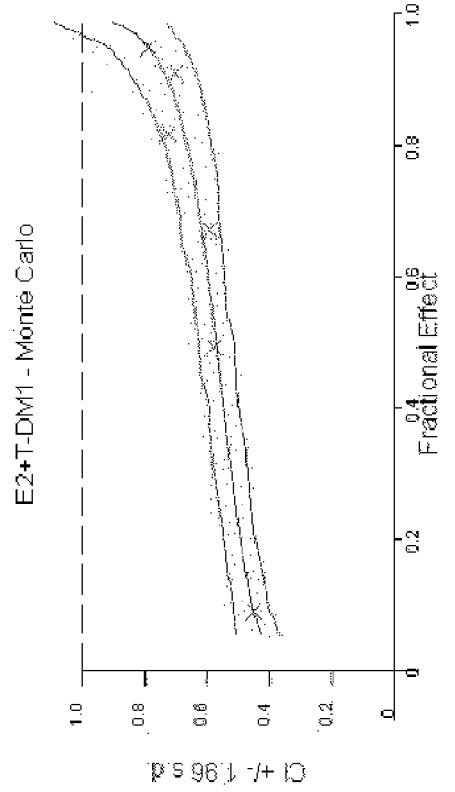


Fig. 7BR

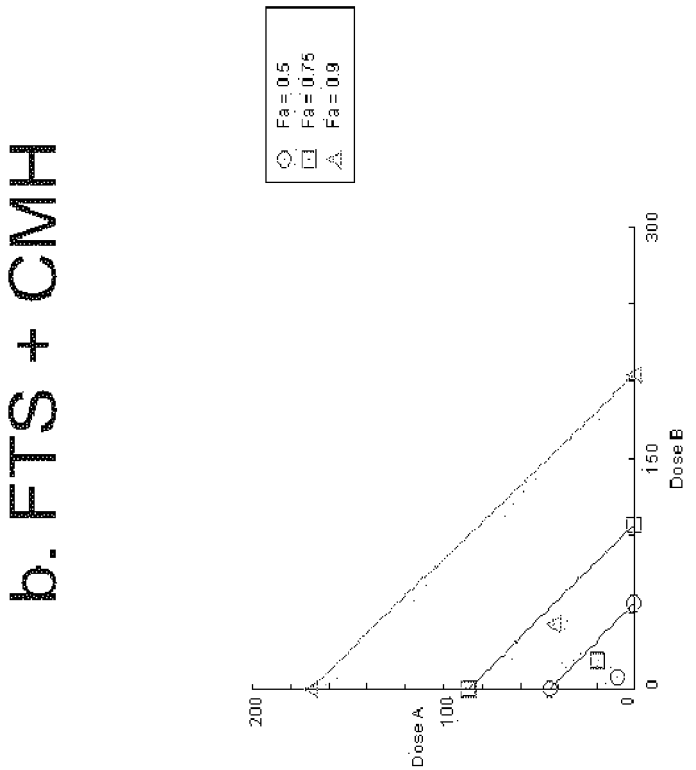

b. FTS + CMH
Fa = 0.5
Fa = 0.75
Fa = 0.9
Dose A
Dose B
200
100
0
300
150
0

Fig. 8B

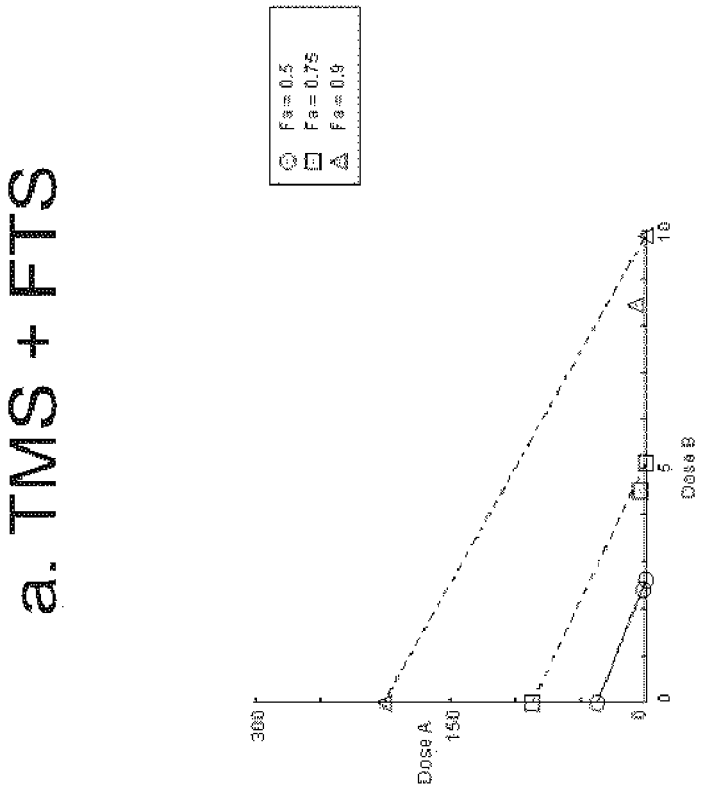

a. TMS + FTS
MCF-7
Fa = 0.5
Fa = 0.75
Fa = 0.9
Dose A
Dose B
300
150
0
10
5
0

Fig. 8A

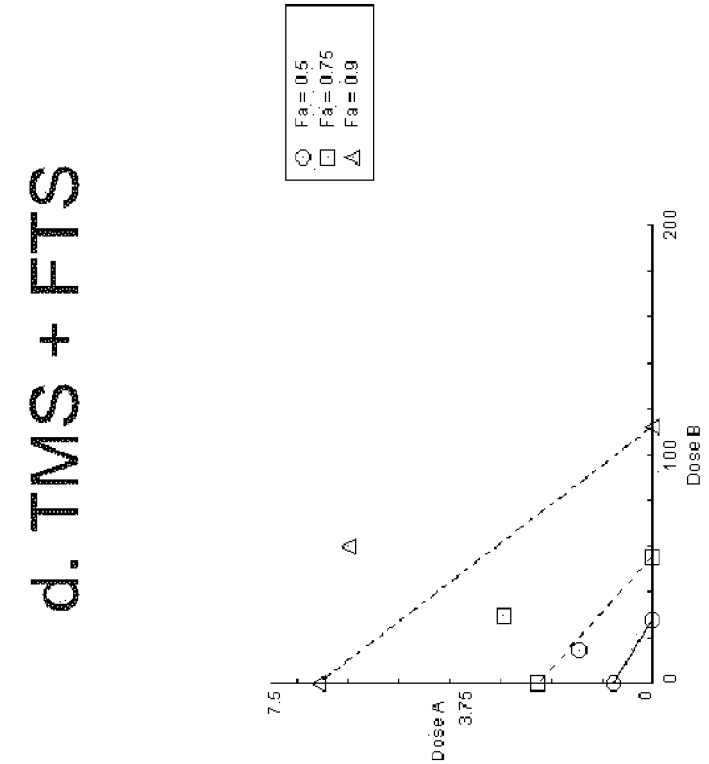


Fig. 8D

T47D

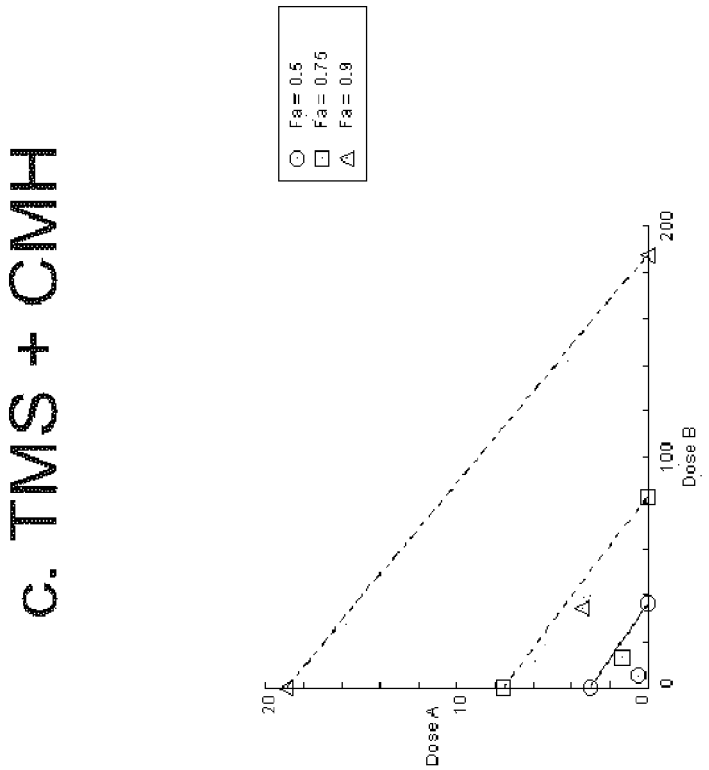


Fig. 8C

f. TMS + CMH

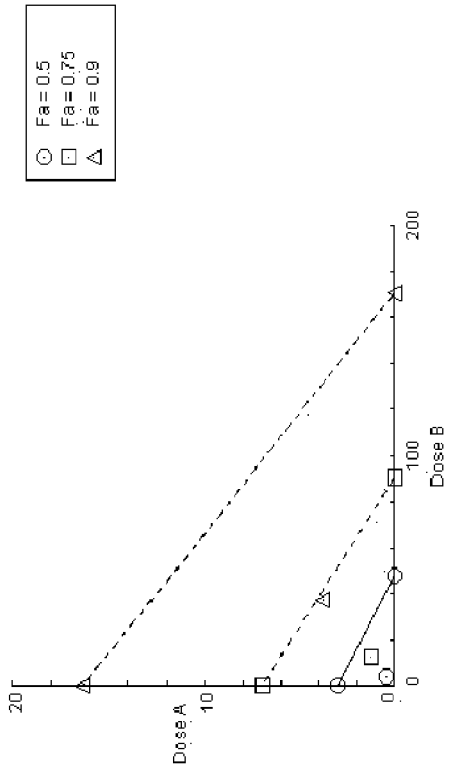


Fig. 8F

e. FTS + CMH

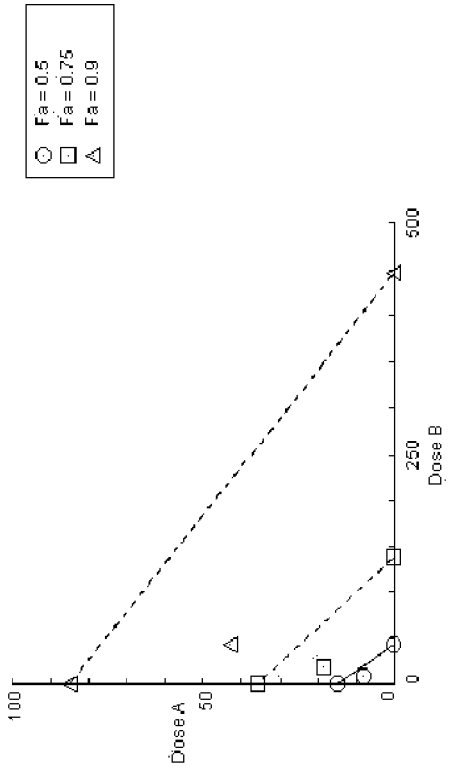


Fig. 8E

b. TMS + CMH

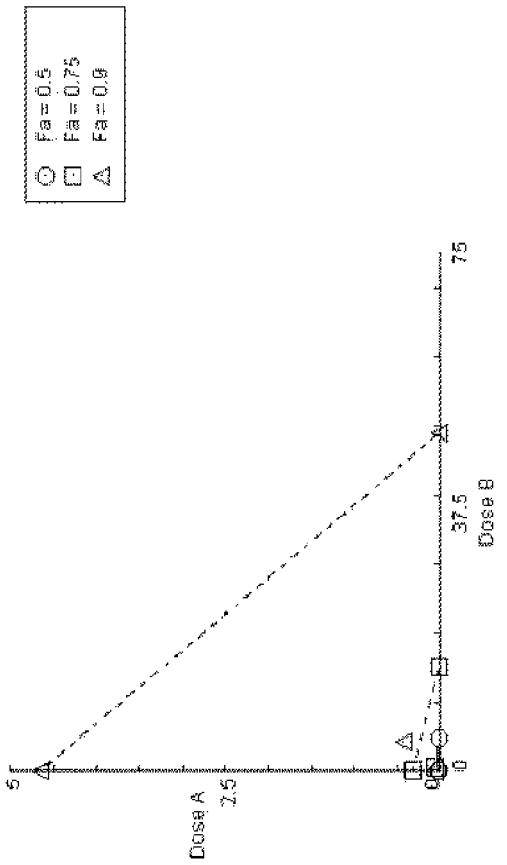


Fig. 9B

a. TMS + FTS

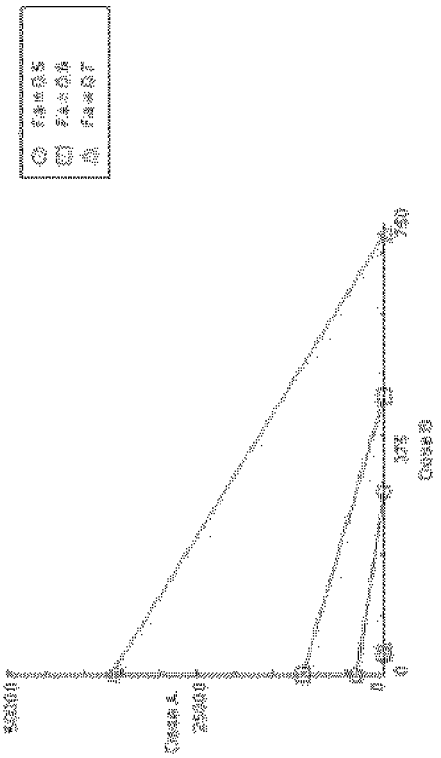


Fig. 9A

d. TMS + T-DM1

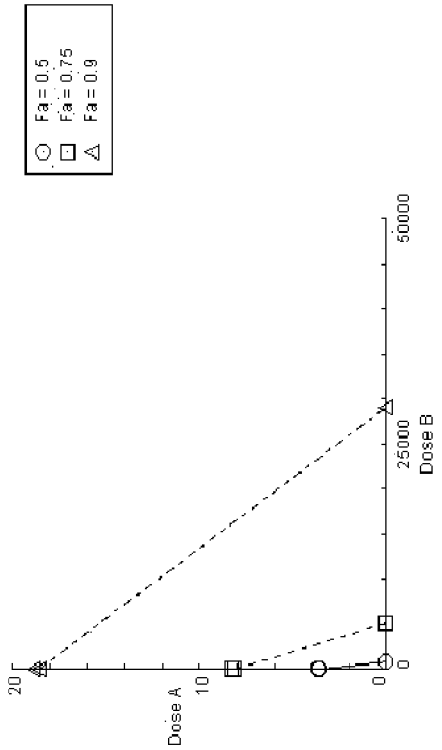


Fig. 9D

c. TMS + E2

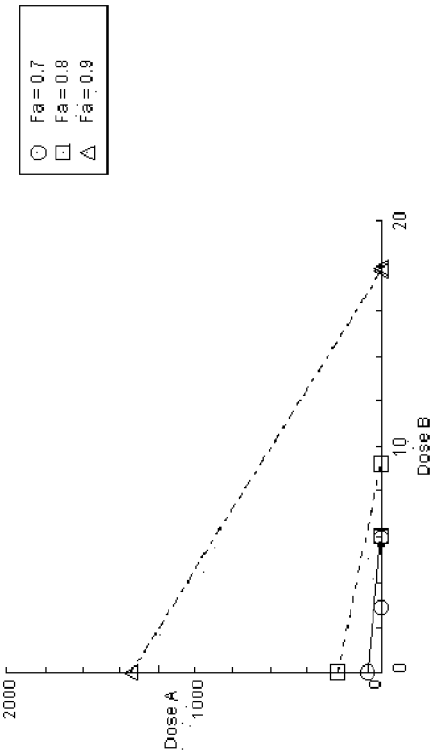


Fig. 9C

f. FTS + E2

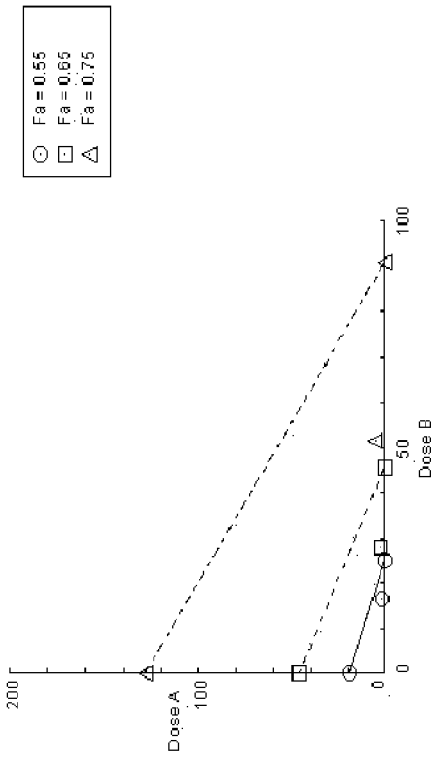


Fig. 9F

e. FTS + CMH

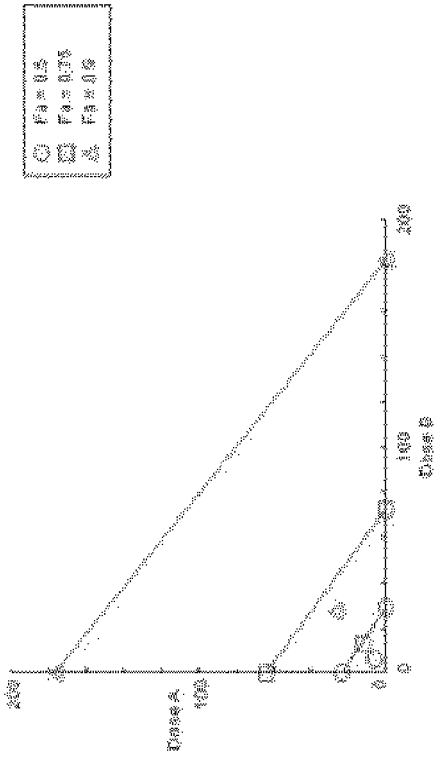


Fig. 9E

h. E2 + CMH

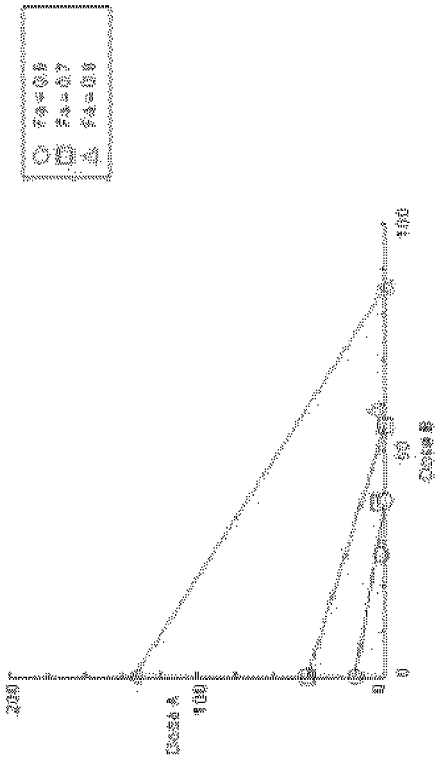


Fig. 9H1

g. FTS + T-DM1

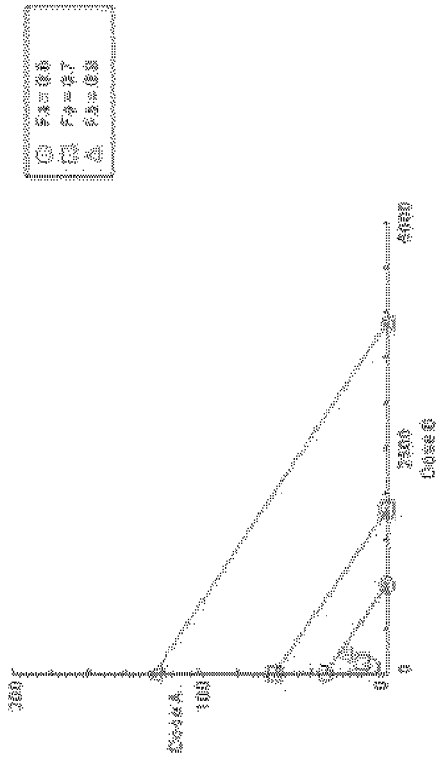


Fig. 9G

i. CMH + T-DM1

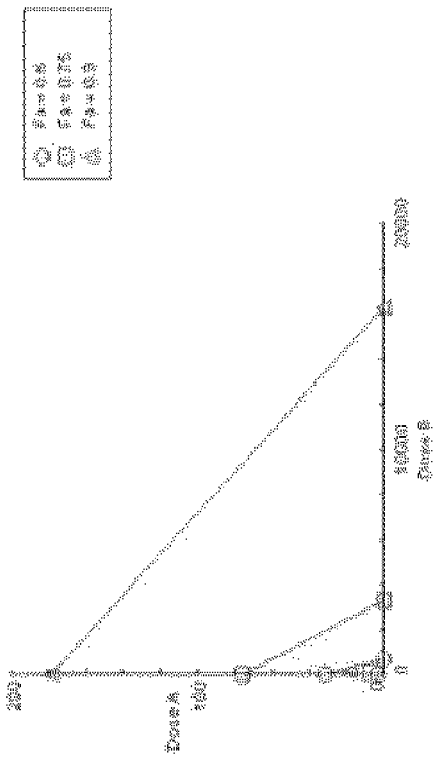


Fig. 9I

h. E2 + T-DM1

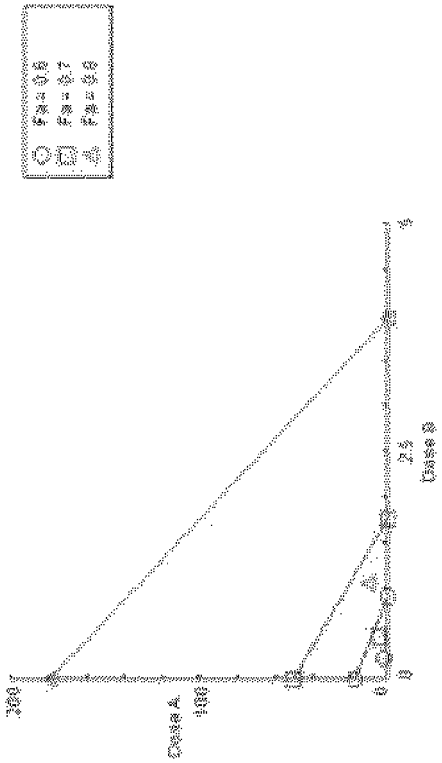


Fig. 9H2