FIG.1

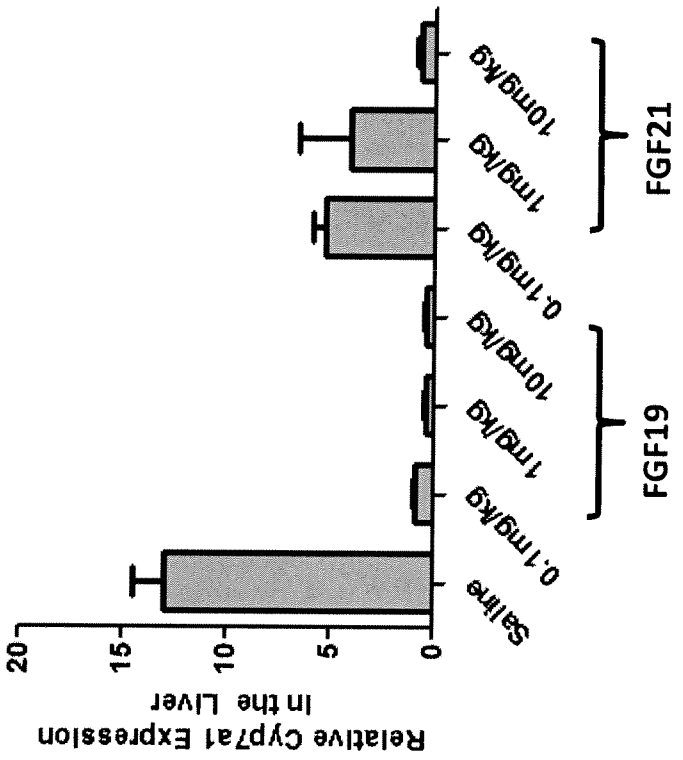

Relative Cyp7a1 Expression
In the Liver
20
15
10
5
0
Saline
0.1mg/kg
1mg/kg
10mg/kg
0.1mg/kg
1mg/kg
10mg/kg
FGF19
FGF21

FIG.2A-2D

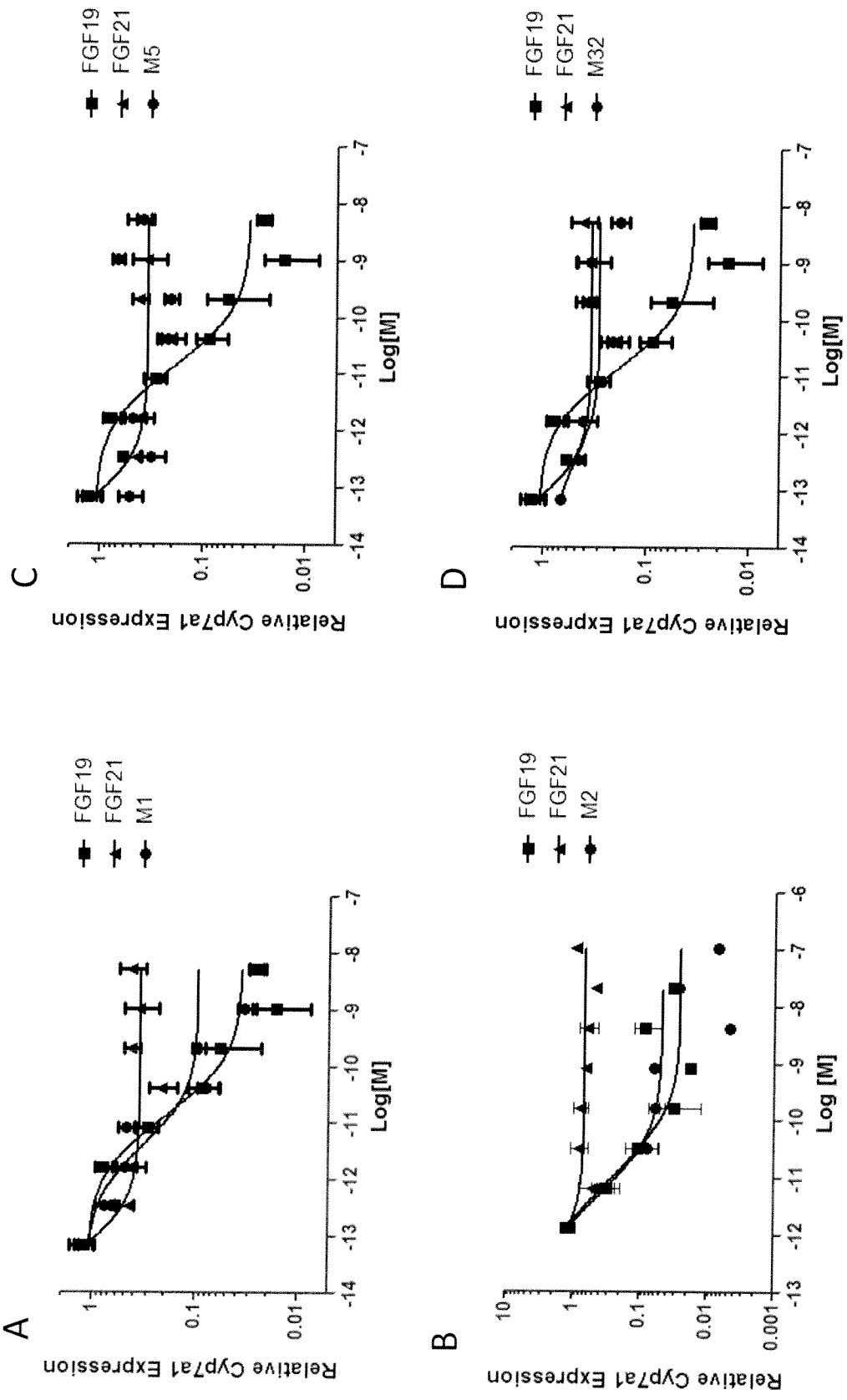

A
FGF19
FGF21
M1
Relative Cyp7a1 Expression
Log[M]
B
FGF19
FGF21
M2
Relative Cyp7a1 Expression
Log [M]
C
FGF19
FGF21
M5
Relative Cyp7a1 Expression
Log[M]
D
FGF19
FGF21
M32
Relative Cyp7a1 Expression
Log[M]

FIG.3A-3D

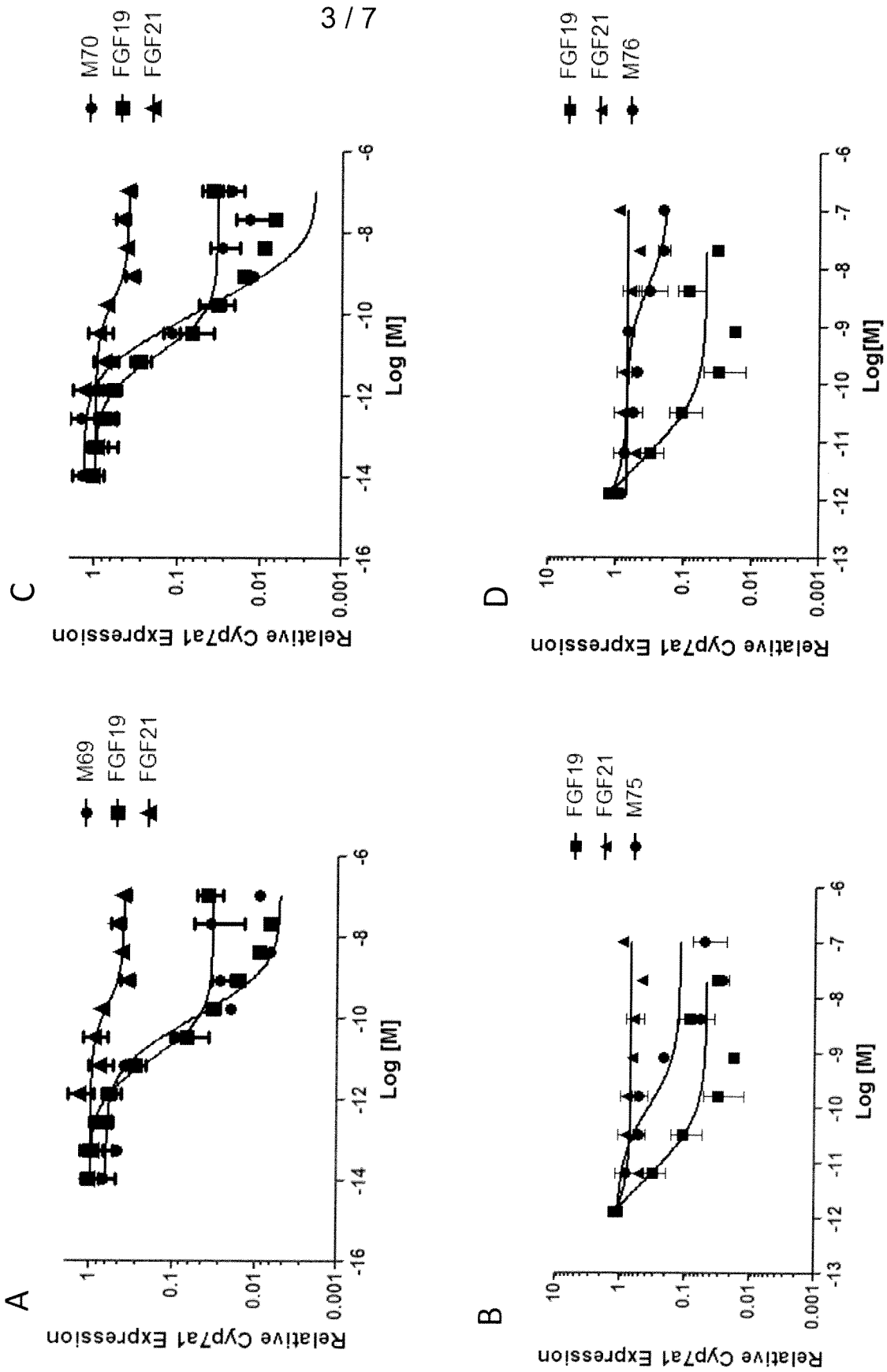

A
M69
FGF19
FGF21
Relative Cyp7a1 Expression
Log [M]
B
FGF19
FGF21
M75
Relative Cyp7a1 Expression
Log [M]
C
M70
FGF19
FGF21
Relative Cyp7a1 Expression
Log [M]
D
FGF19
FGF21
M76
Relative Cyp7a1 Expression
Log[M]

FIG. 4A-4D

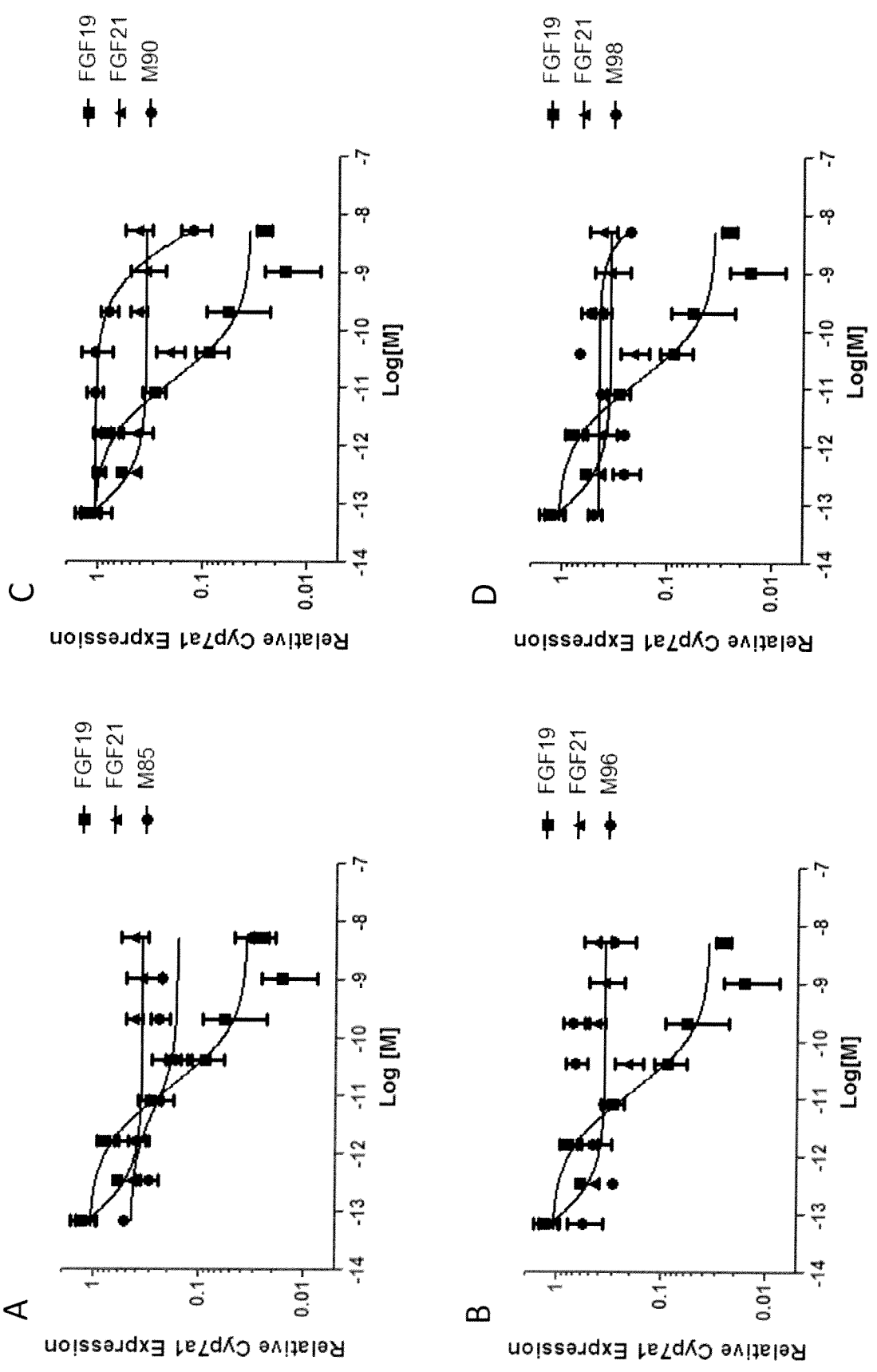

A
FGF19
FGF21
M85
Relative Cyp7a1 Expression
Log [M]
B
FGF19
FGF21
M96
Relative Cyp7a1 Expression
Log[M]
C
FGF19
FGF21
M90
Relative Cyp7a1 Expression
Log[M]
D
FGF19
FGF21
M98
Relative Cyp7a1 Expression
Log[M]

FIG. 5

Variants	Cyp7a1 IC50 (pM)	Relative Cyp7a1 Expression	HCC Score
Saline-treated	n/a	100%	0.00
FGF19	2.3	4%	1.00
FGF21	n/a	35%	0.00
M1	1.1	10%	0.04
M2	0.9	2%	0.06
M5	n/a	100%	0.00
M32	n/a	100%	0.00
M69	8.6	0.5%	0.00
M70	4.8	0.2%	0.00
M75	34	12%	0.00
M76	n/a	17%	0.00
M85	3.6	16%	0.00
M90	859	100%	1.00
M96	n/a	100%	1.00
M98	n/a	100%	1.00

FIG. 6

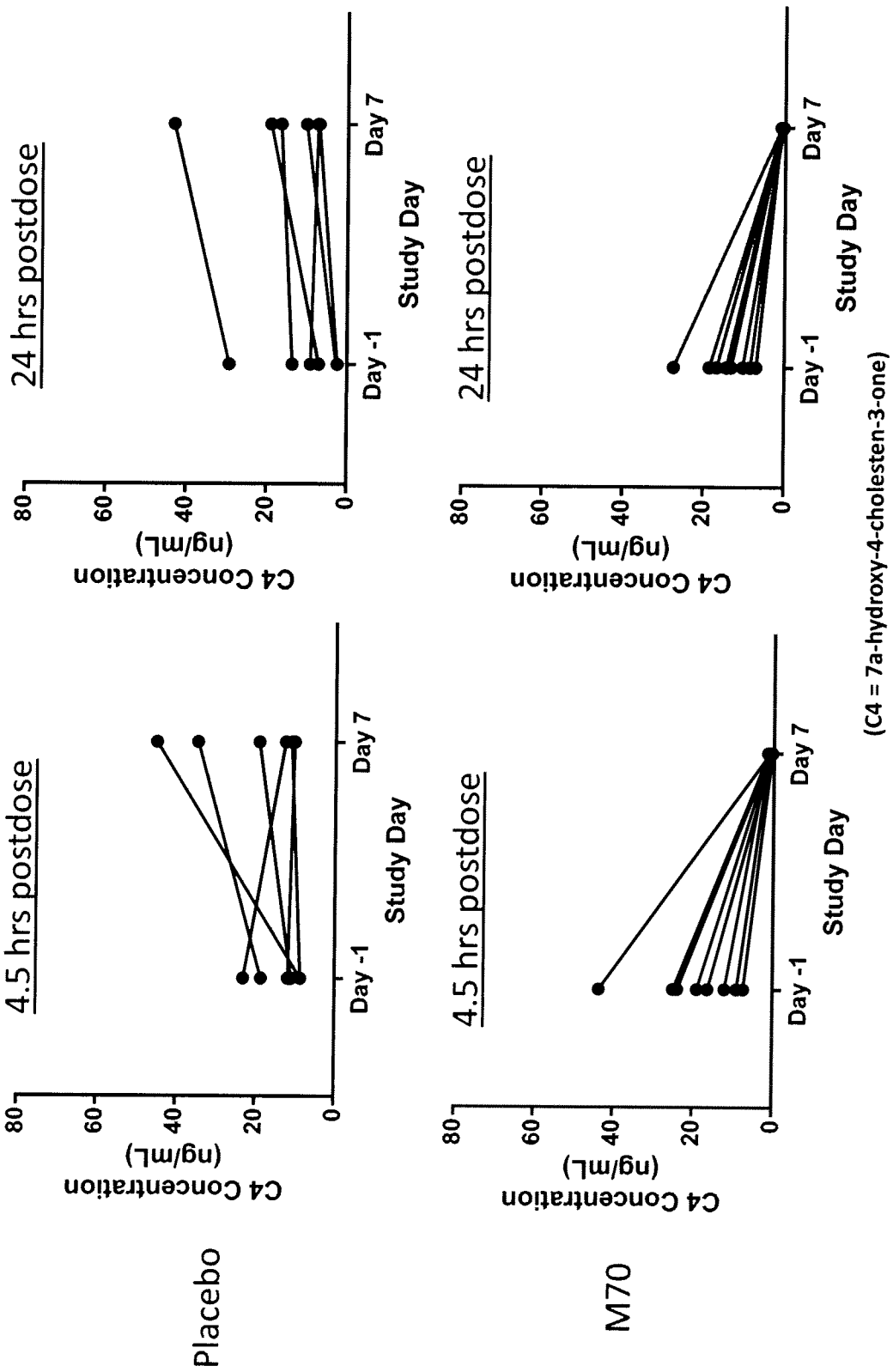
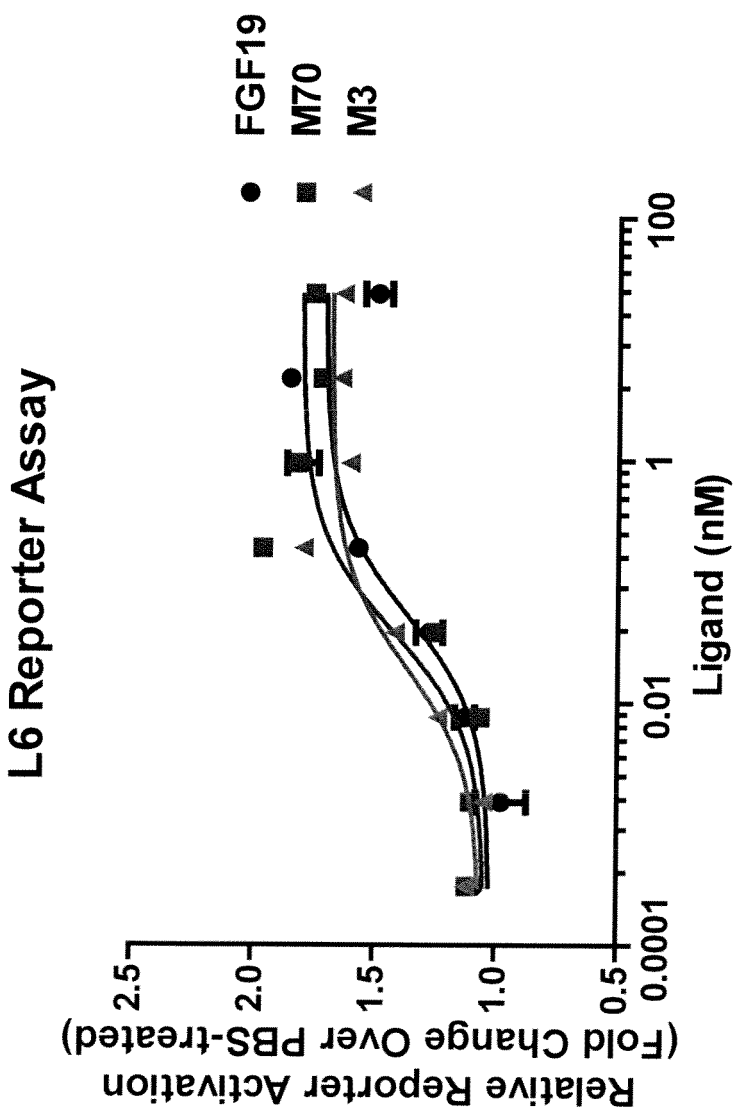

Placebo
M70
4.5 hrs postdose
24 hrs postdose
C4 Concentration (ng/mL)
0
20
40
60
80
Day -1
Day 7
Study Day
(C4 = 7a-hydroxy-4-cholesten-3-one)

FIG. 7


L6 Reporter Assay
FGF19
M70
M3
EC50 (nM)
0.05246
0.03834
0.01979
Relative Reporter Activation
(Fold Change Over PBS-treated)
2.5
2.0
1.5
1.0
0.5
0.0001
0.01
1
100
Ligand (nM)