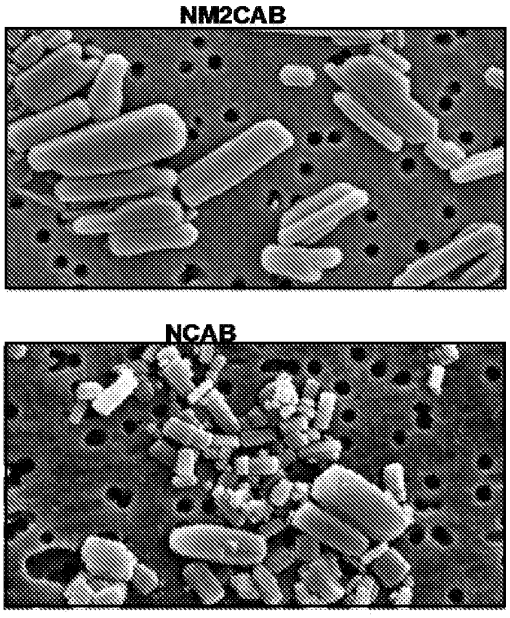

NM2CAB
NCAB

FIG. 1A

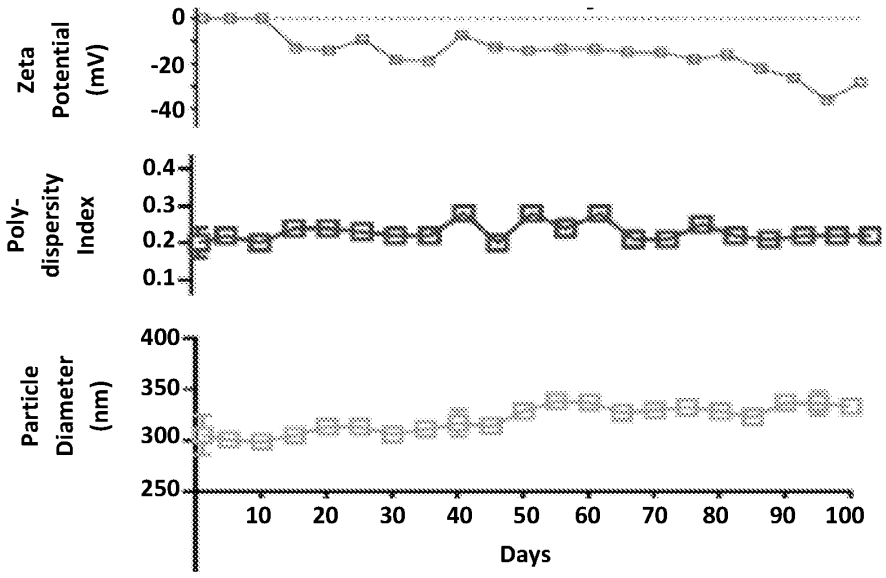

Zeta Potential (mV)
0
-20
-40
Poly-dispersity Index
0.4
0.3
0.2
0.1
Particle Diameter (nm)
400
350
300
250
10
20
30
40
50
60
70
80
90
100
Days

FIG. 1B

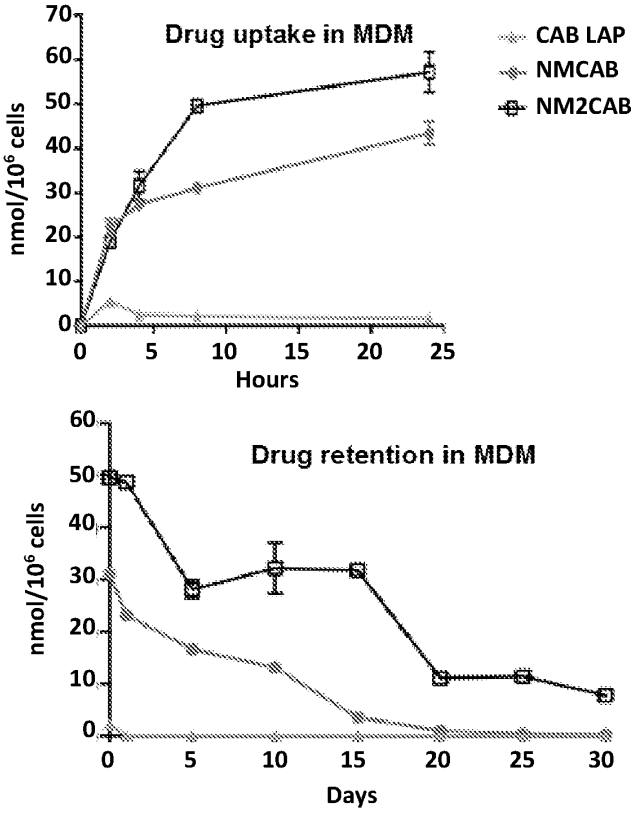

Drug uptake in MDM
CAB LAP
NMCAB
NM2CAB
nmol/10^6 cells
Hours
0
10
20
30
40
50
60
70
0
5
10
15
20
25
Drug retention in MDM
nmol/10^6 cells
Days
0
10
20
30
40
50
60
0
5
10
15
20
25
30

FIG. 2A

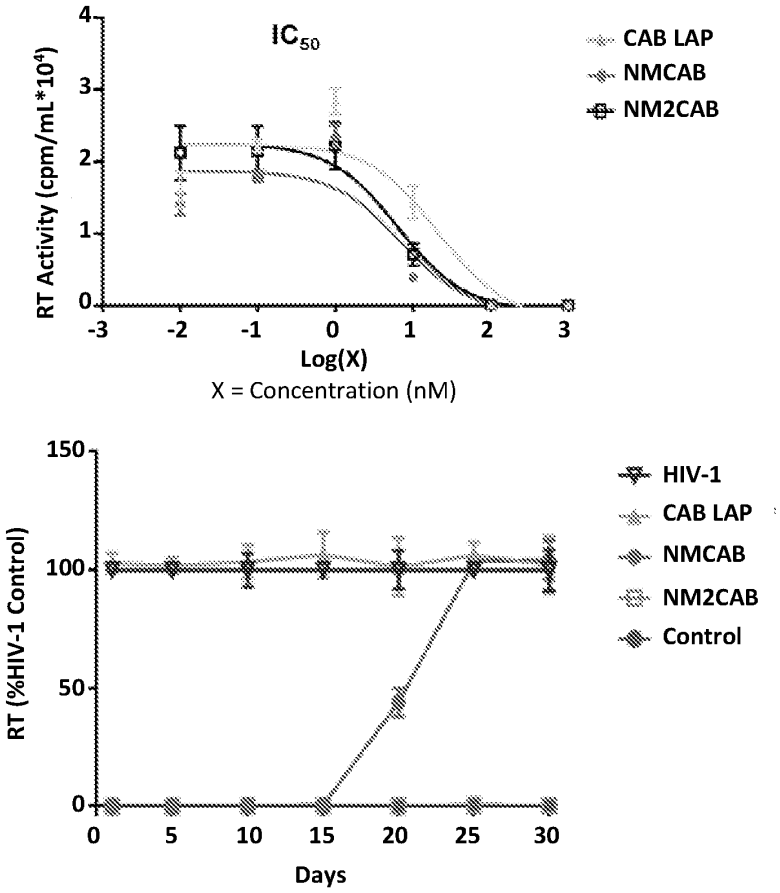

IC50
RT Activity (cpm/mL*10⁴)
Log(X)
X = Concentration (nM)
CAB LAP
NMCAB
NM2CAB
RT (%HIV-1 Control)
Days
HIV-1
CAB LAP
NMCAB
NM2CAB
Control

FIG. 2B

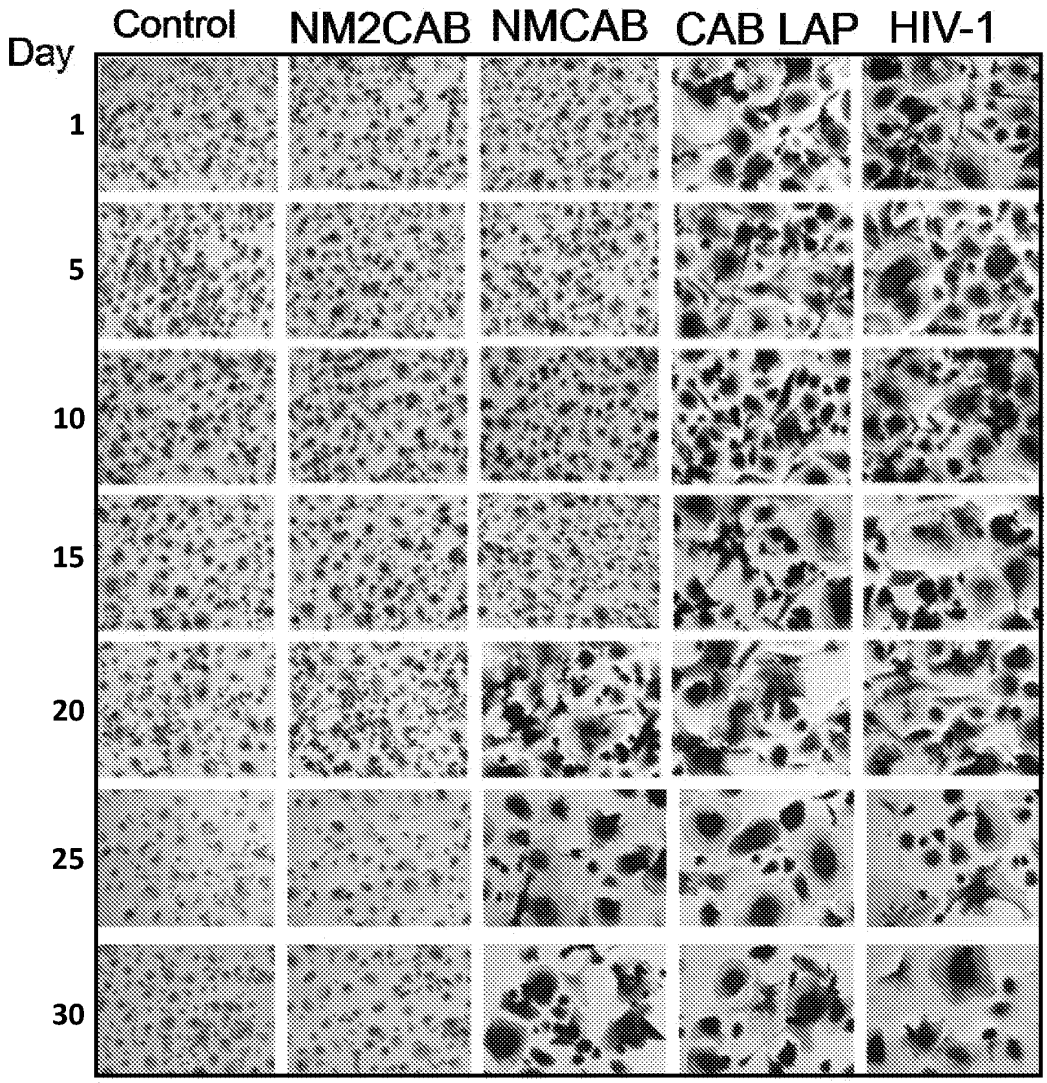


FIG. 2C

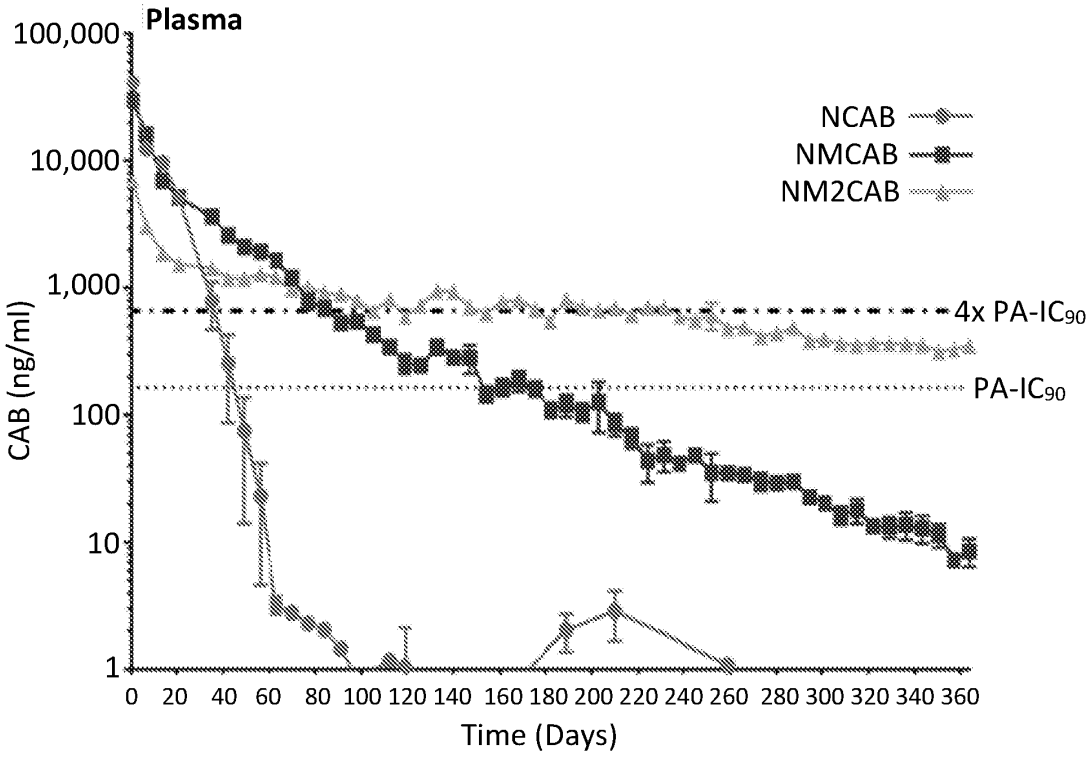

Plasma
100,000
10,000
1,000
100
10
1
CAB (ng/ml)
NCAB
NMCAB
NM2CAB
4x PA-IC90
PA-IC90
0 20 40 60 80 100 120 140 160 180 200 220 240 260 280 300 320 340 360
Time (Days)

FIG. 3A

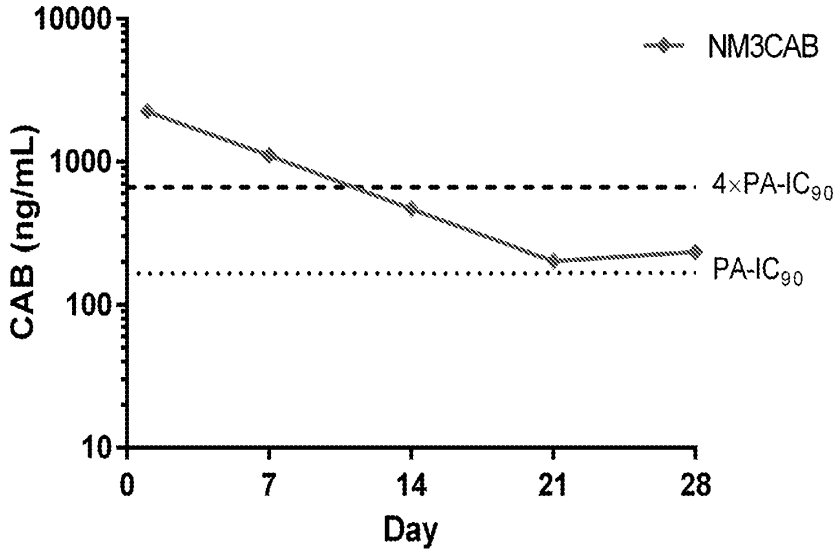

10000
1000
100
10
CAB (ng/mL)
NM3CAB
4×PA-IC90
PA-IC90
0
7
14
21
28
Day

FIG. 3B

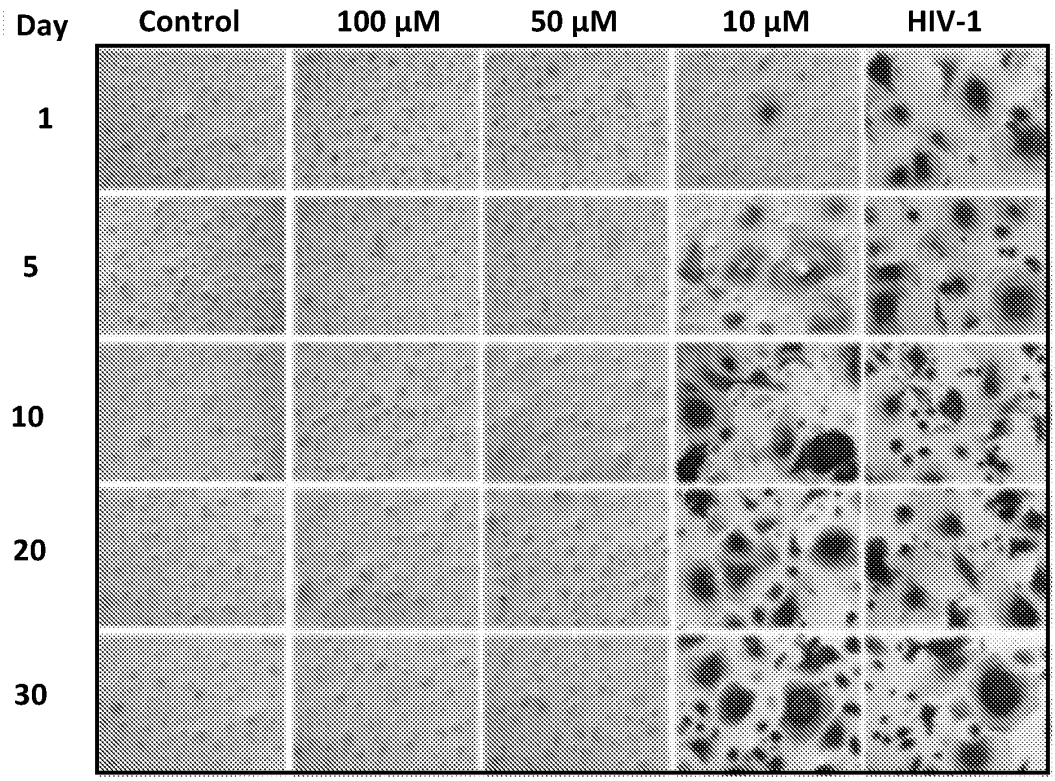


FIG. 4

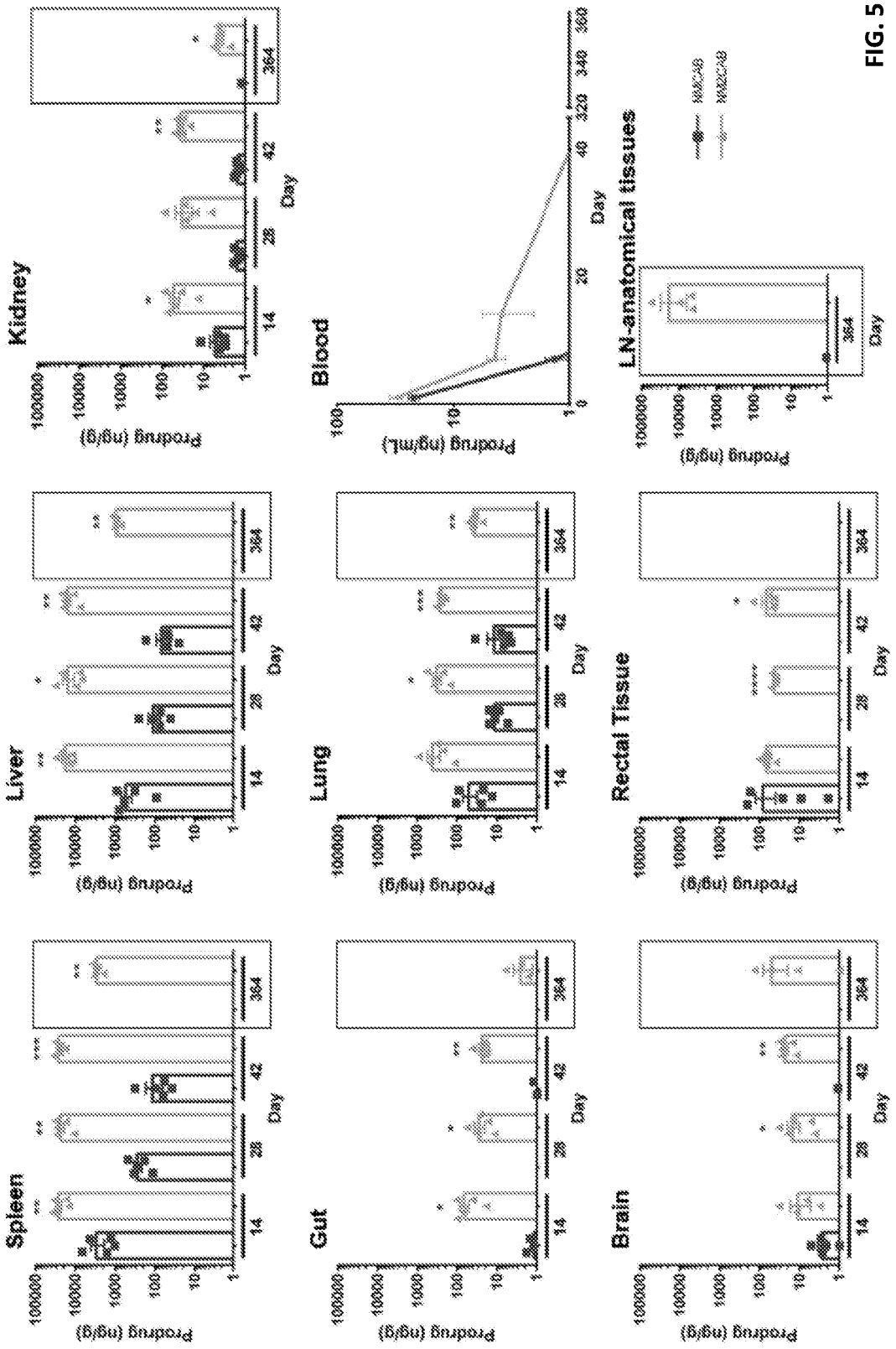

Kidney
Liver
Spleen
Lung
Gut
Blood
Rectal Tissue
Brain
LN-anatomical tissues
Day
Prodrug (ng/g)
Prodrug (ng/mL)
14
28
42
364
0
20
40
320
340
360
100000
10000
1000
100
10
1

FIG. 5

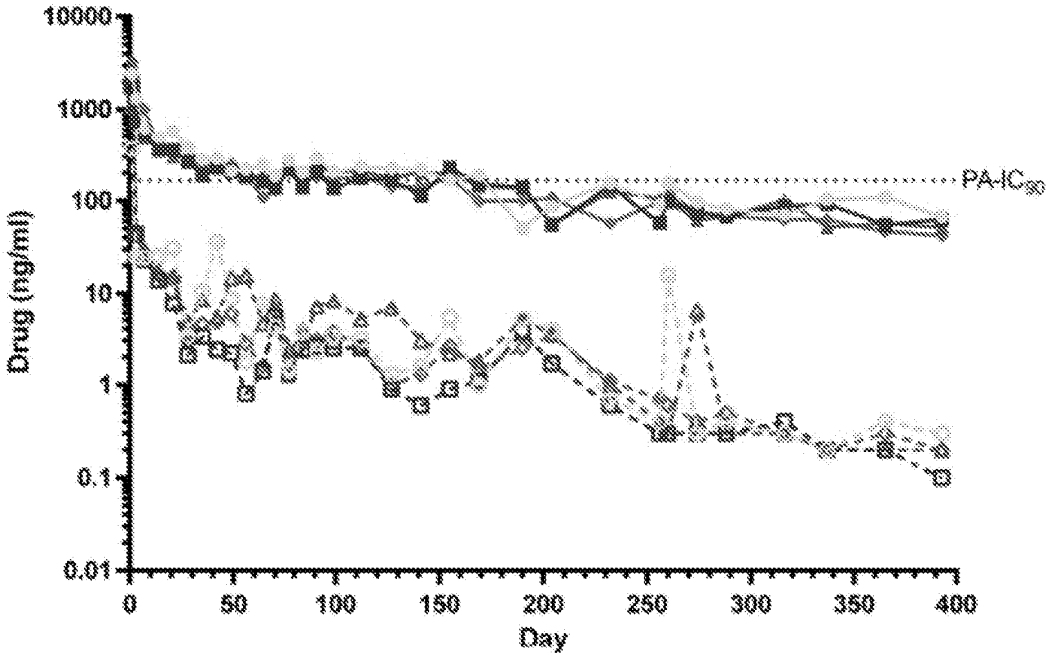

10000
1000
100
10
1
0.1
0.01
Drug (ng/ml)
PA-IC50
0
50
100
150
200
250
300
350
400
Day

FIG. 6A

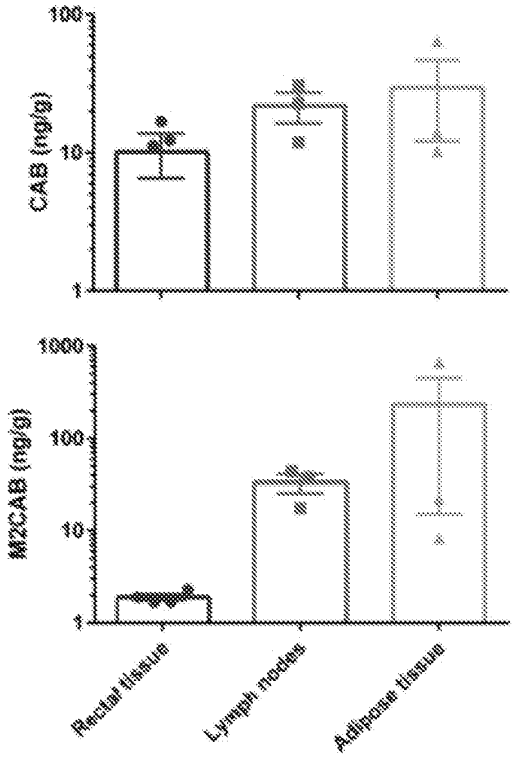

100
10
1
CAB (ng/g)
1000
100
10
1
M2CAB (ng/g)
Rectal tissue
Lymph nodes
Adipose tissue

FIG. 6B