

Compound 74

Compound 75

Compound 76

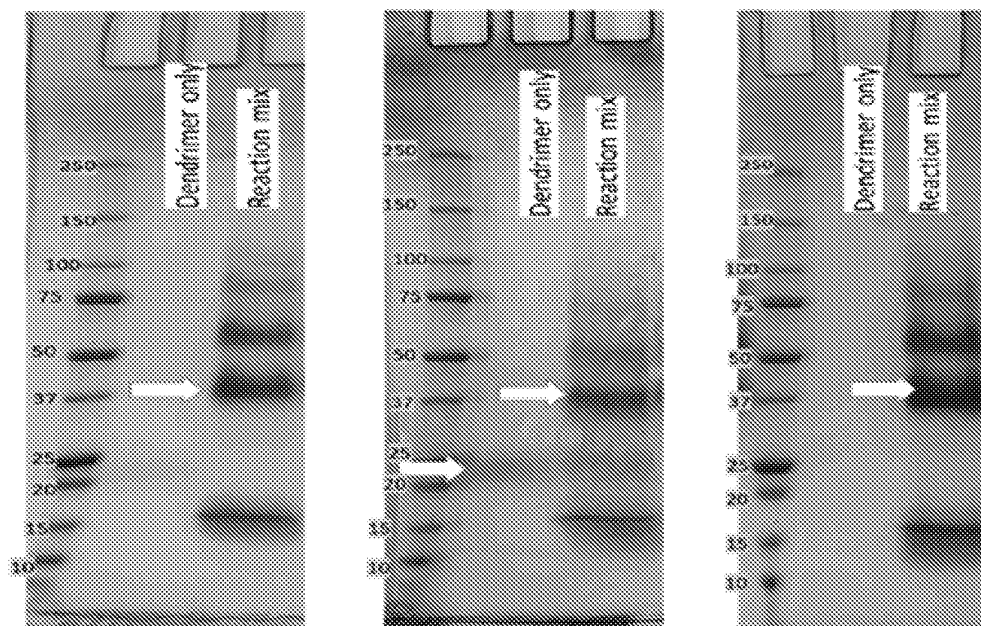


Fig. 1

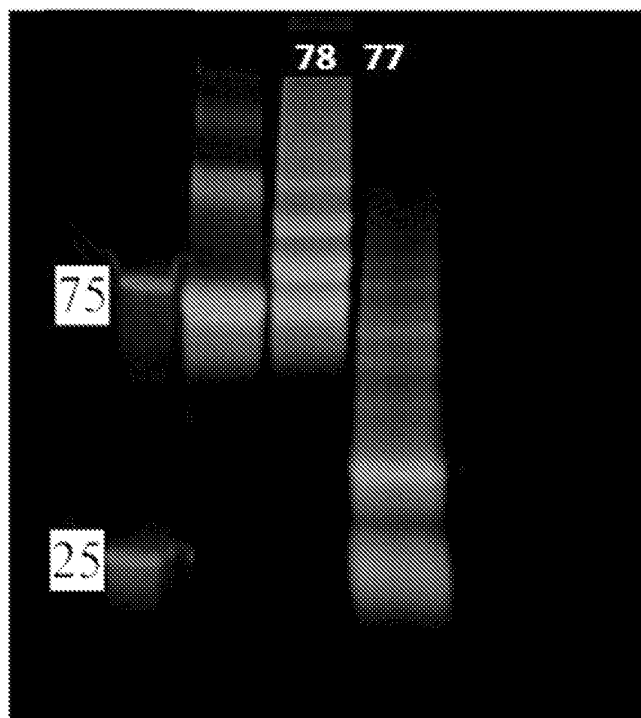
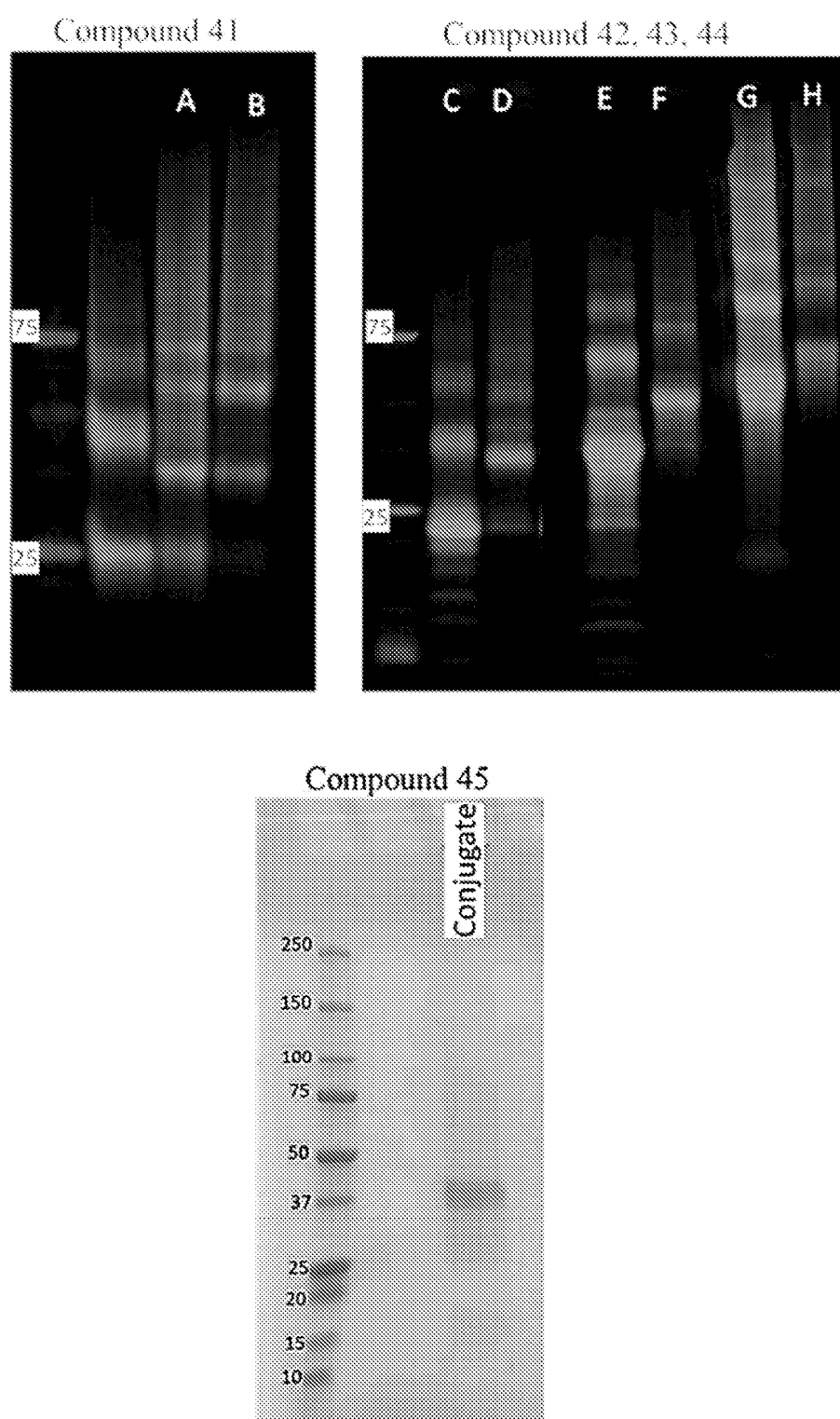


Fig. 2



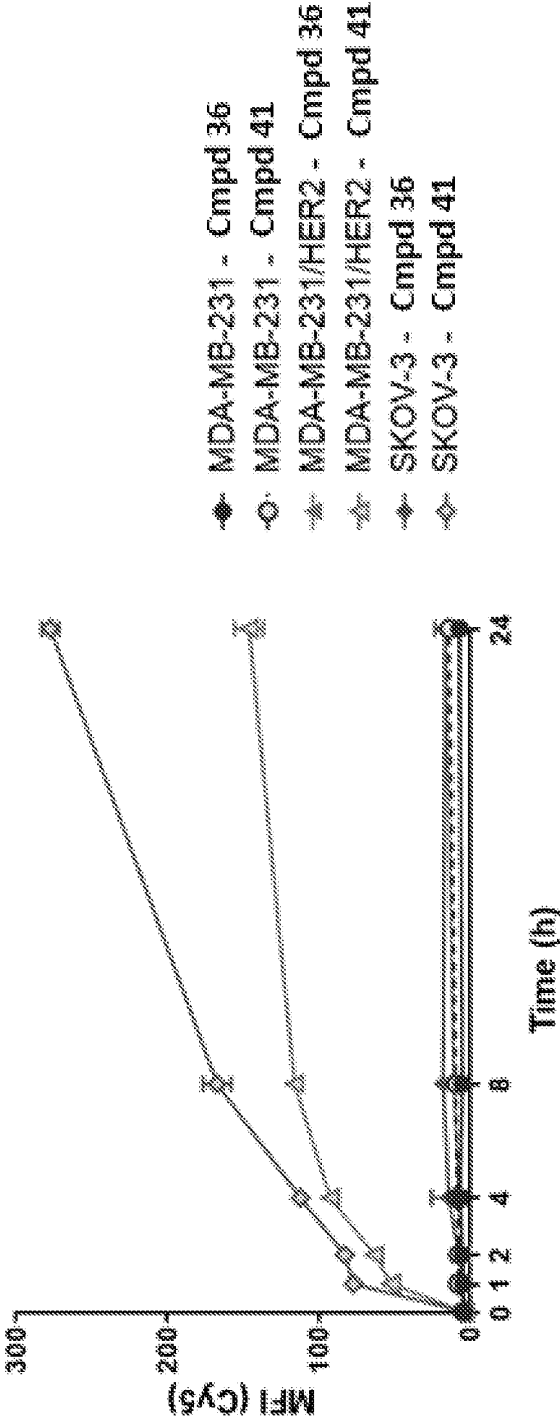


Fig. 4

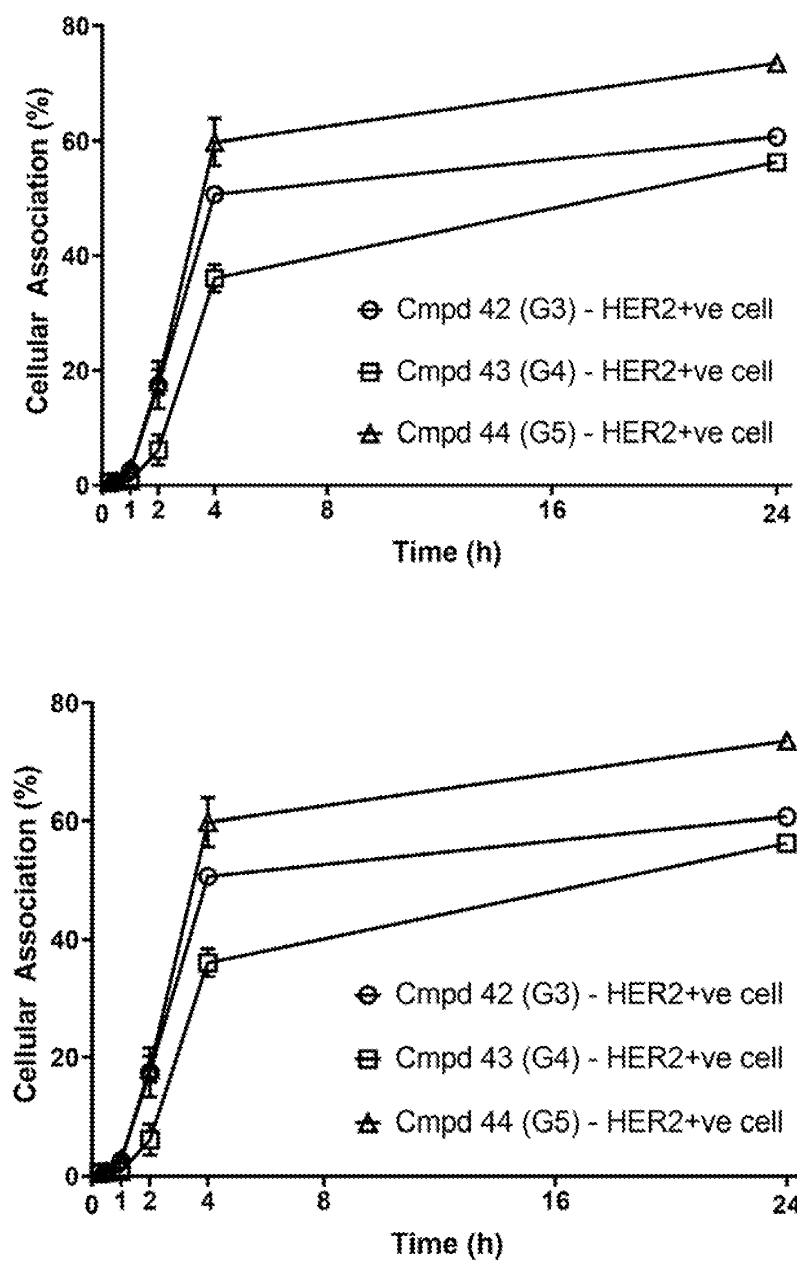


Fig. 5

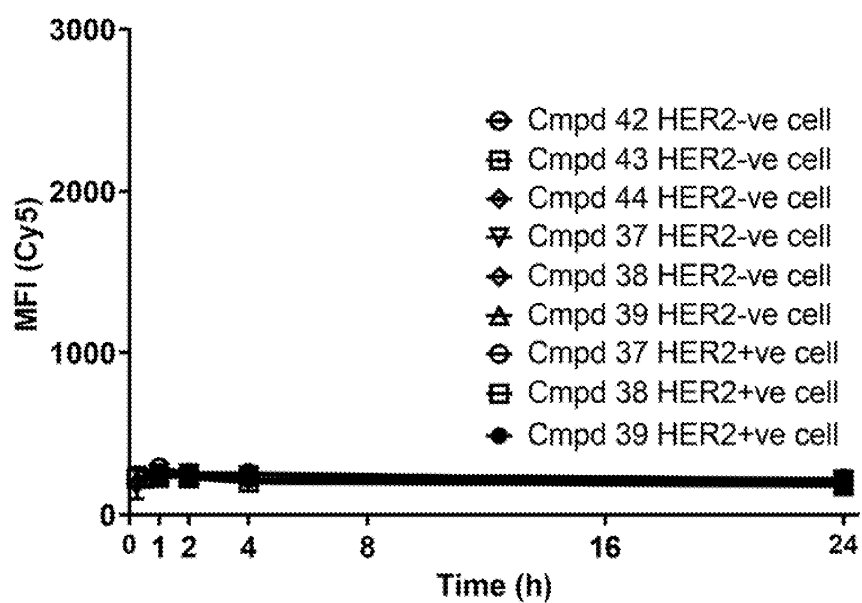


Fig. 5 Continued

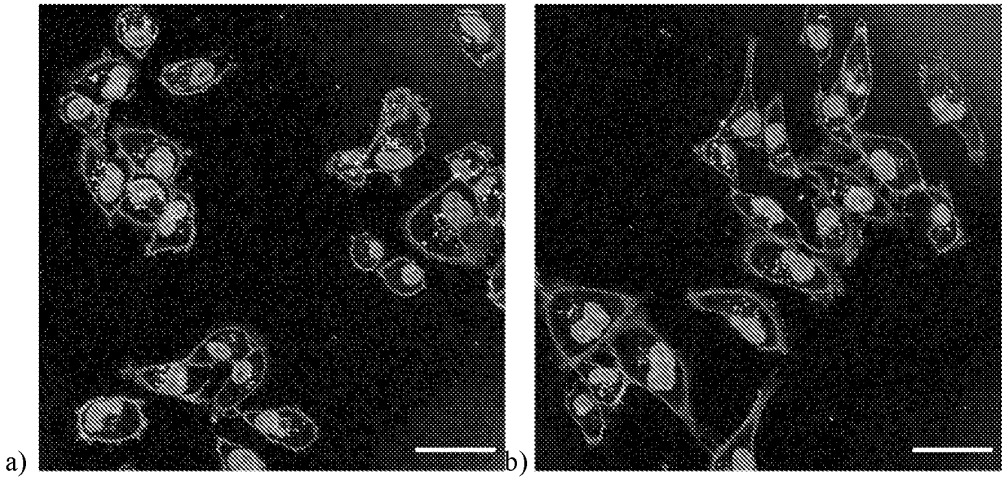


Fig. 6

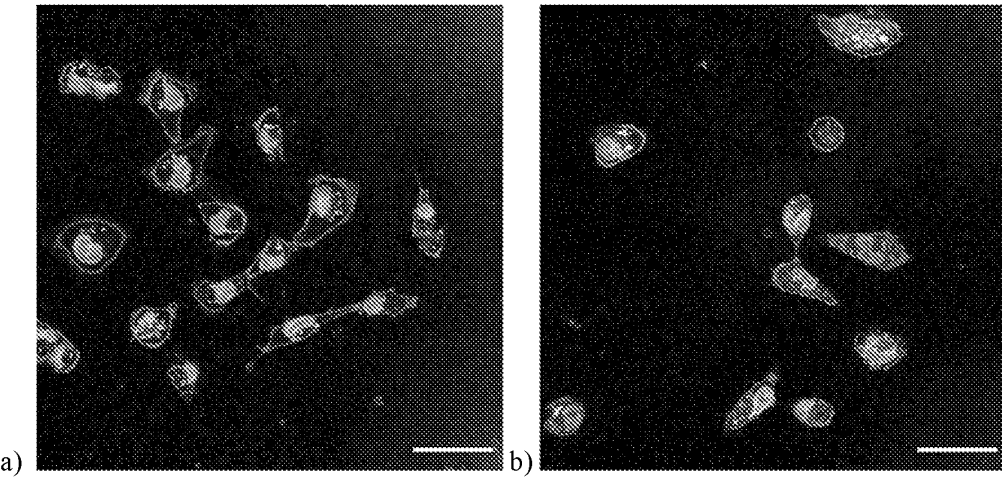


Fig. 7

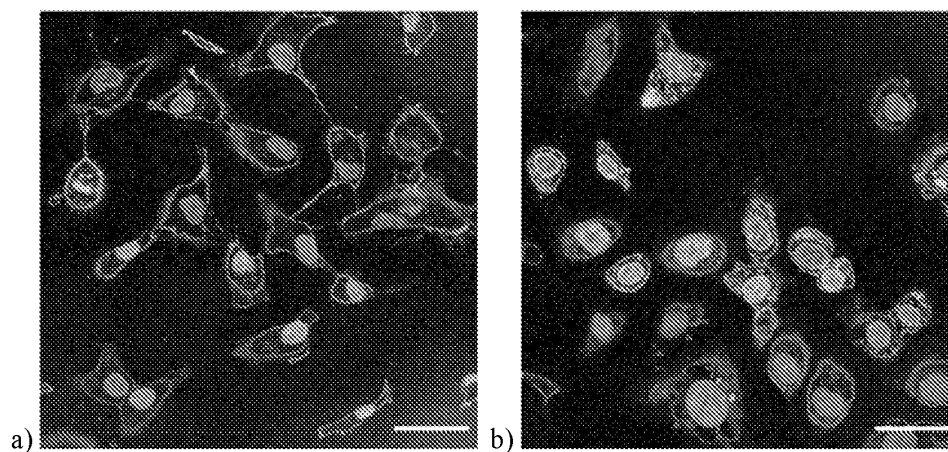


Fig. 8

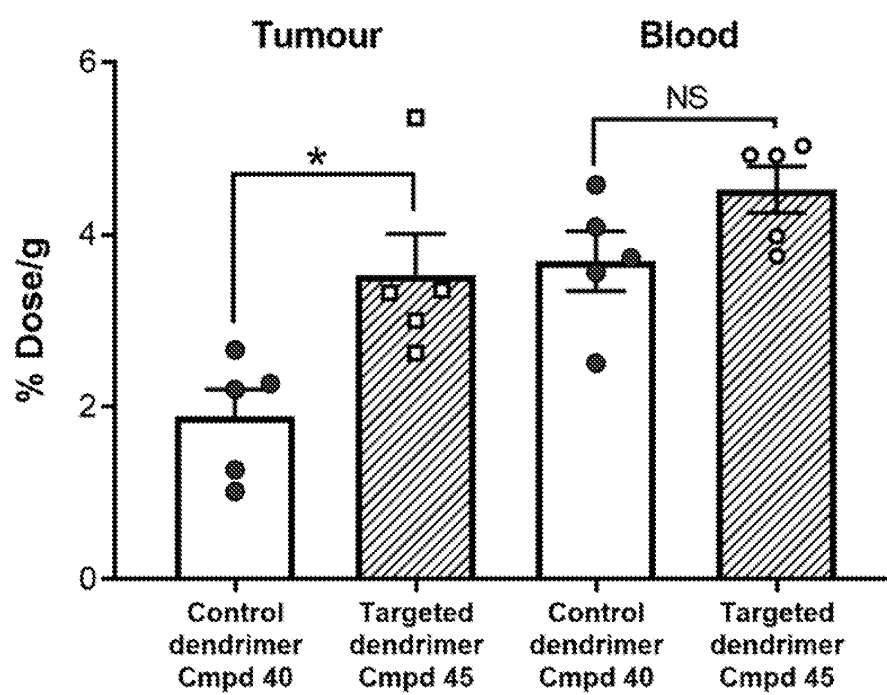


Fig. 9

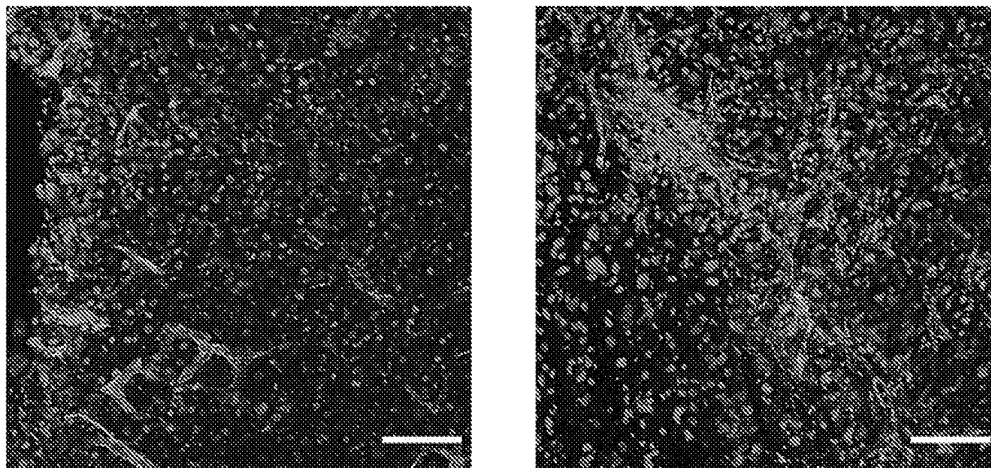


Fig. 10

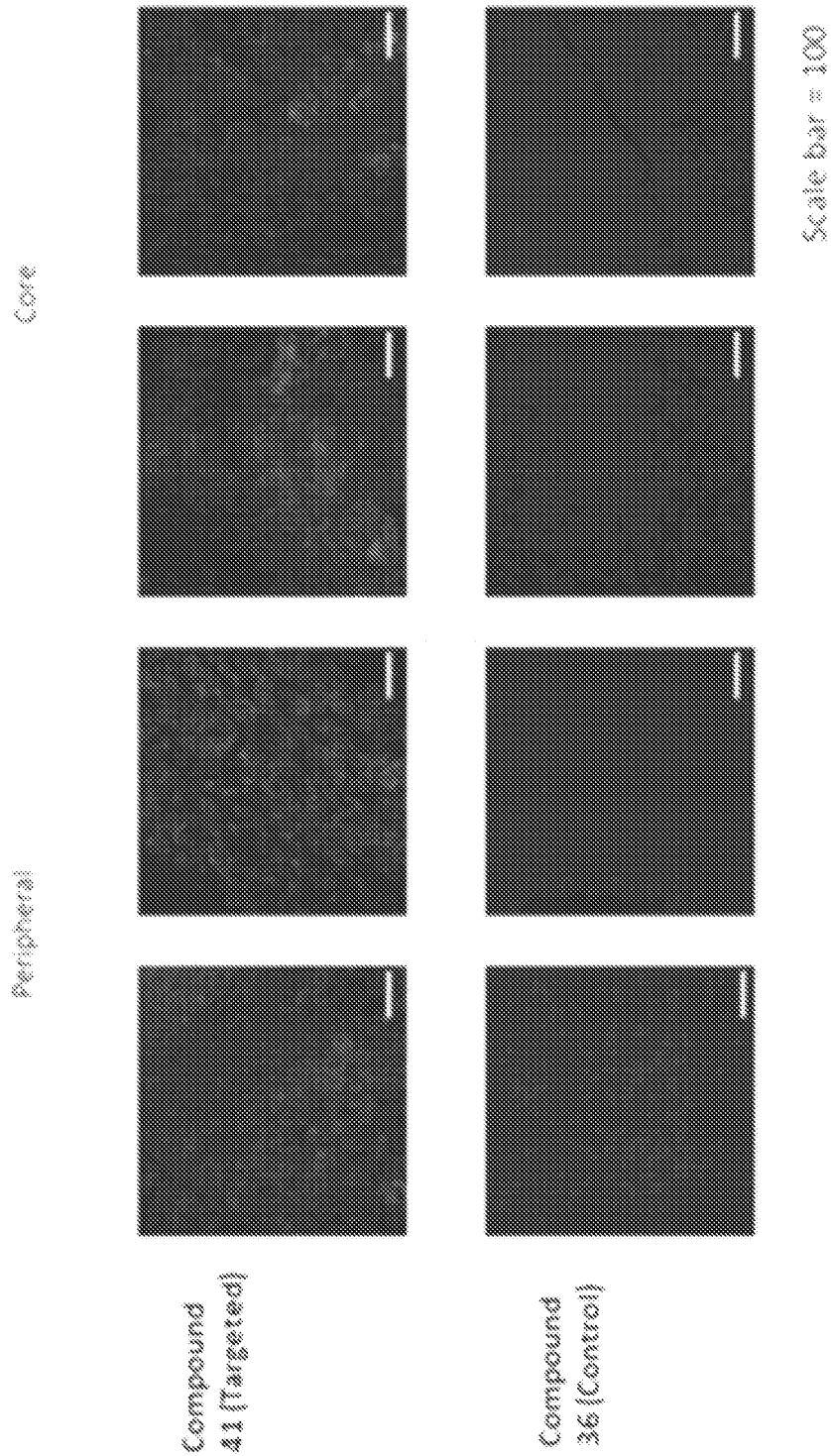


Fig. 11

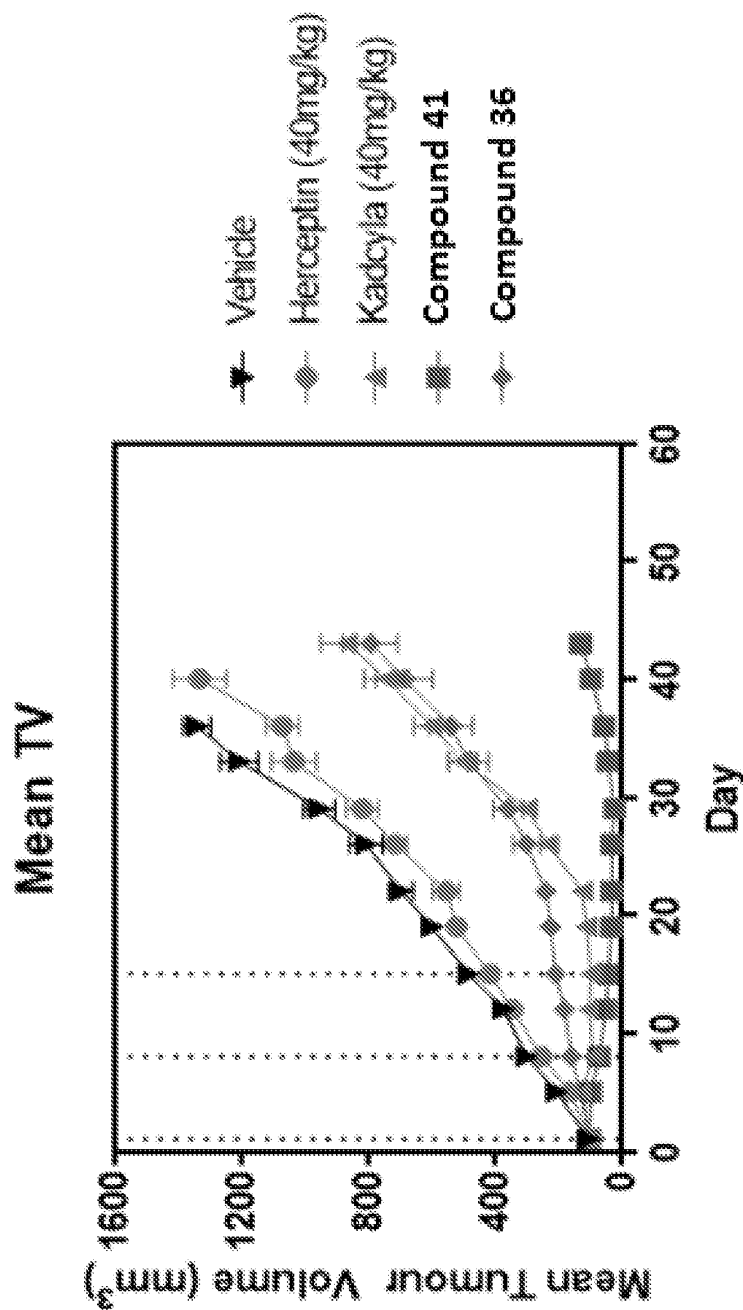


Fig. 12

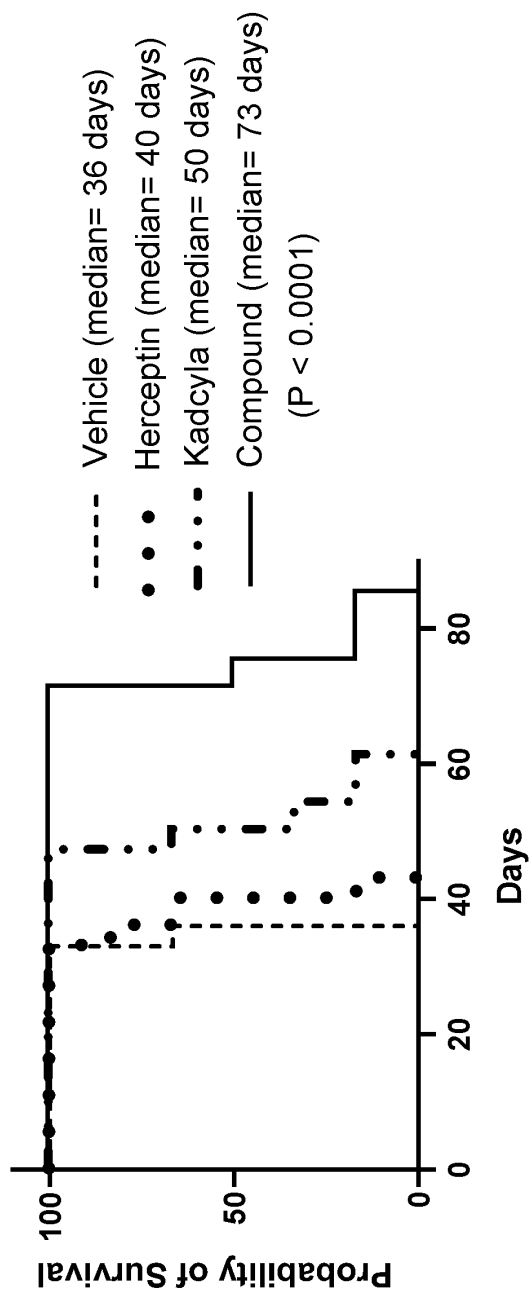


Fig. 13

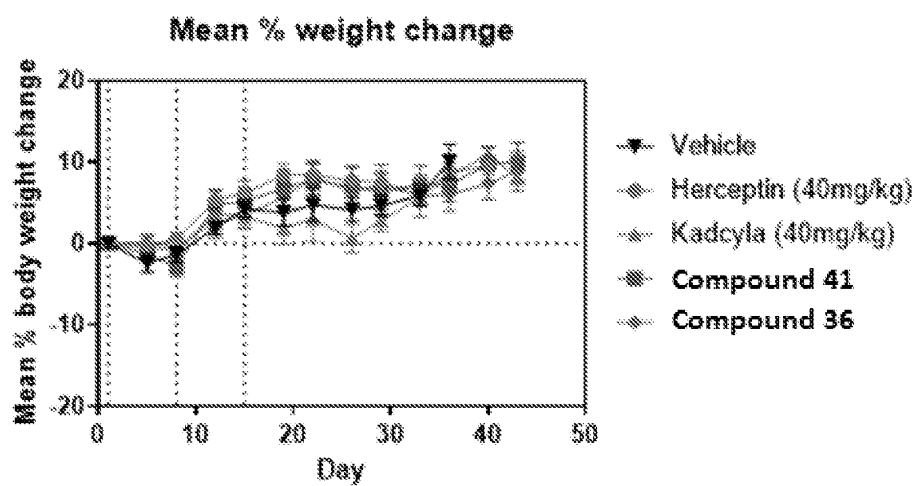


Fig. 14

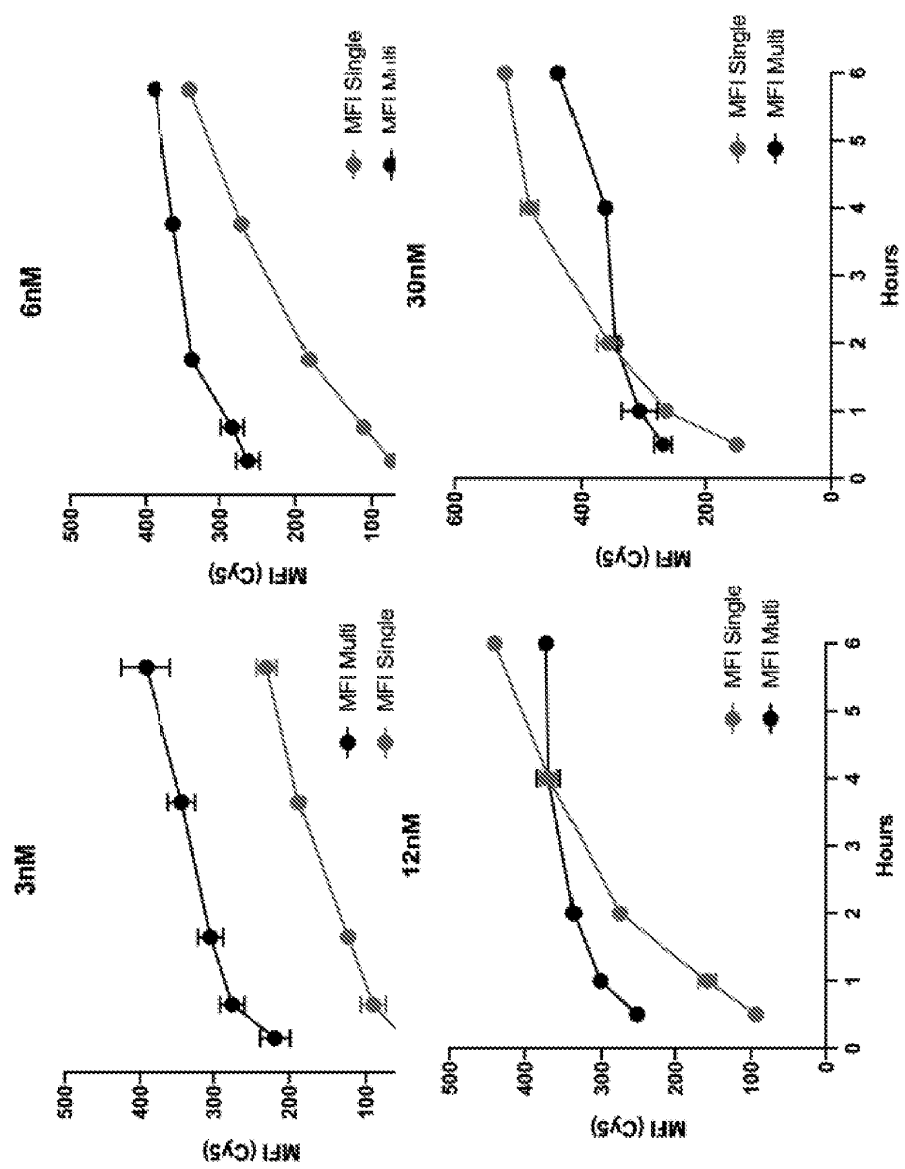


Fig. 15

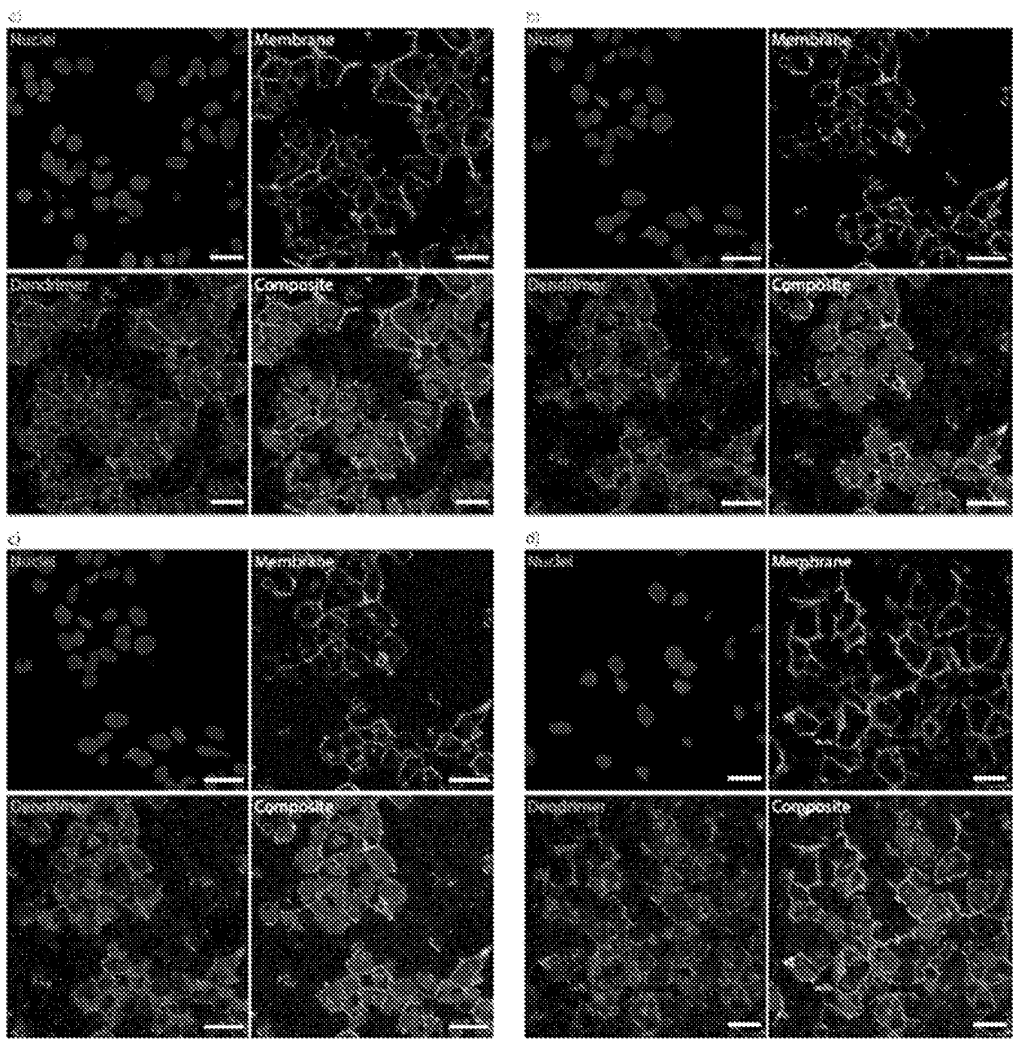


Fig. 16

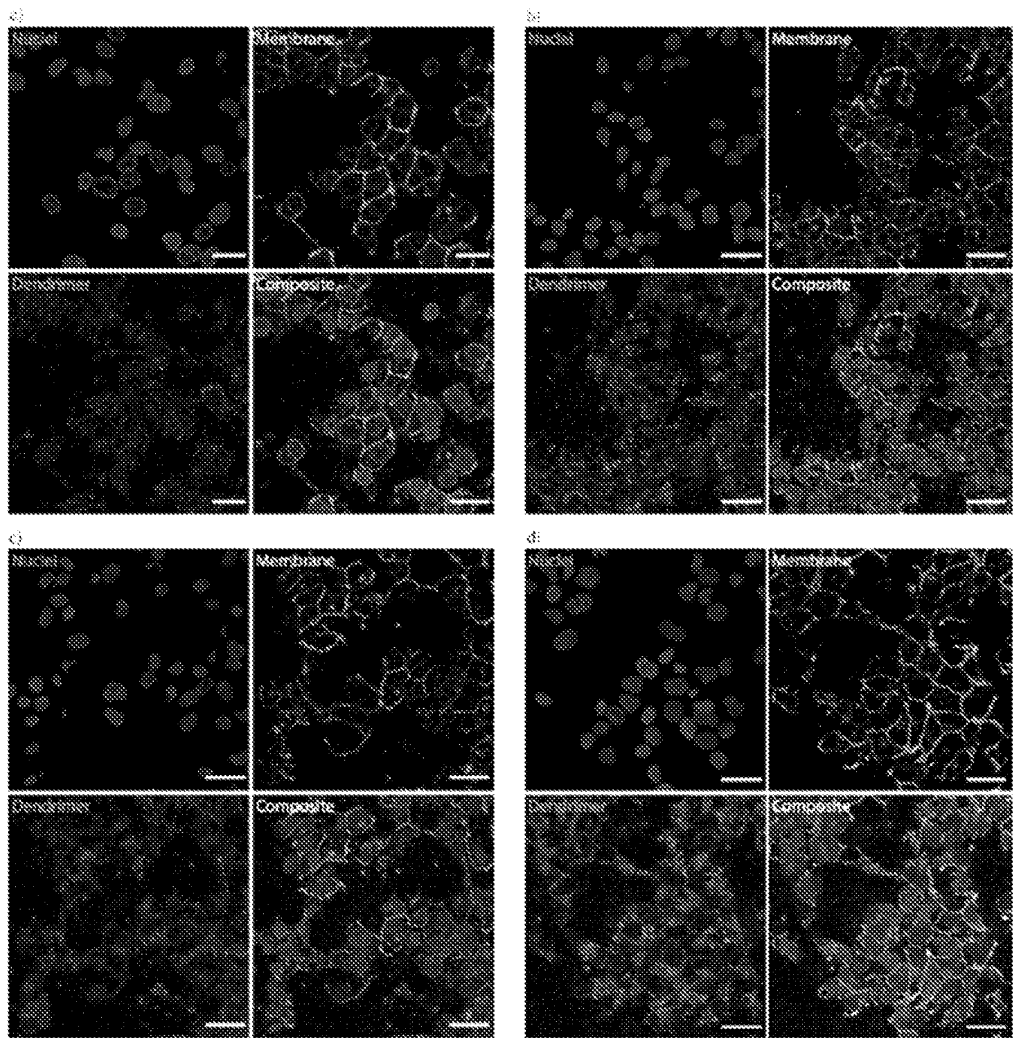
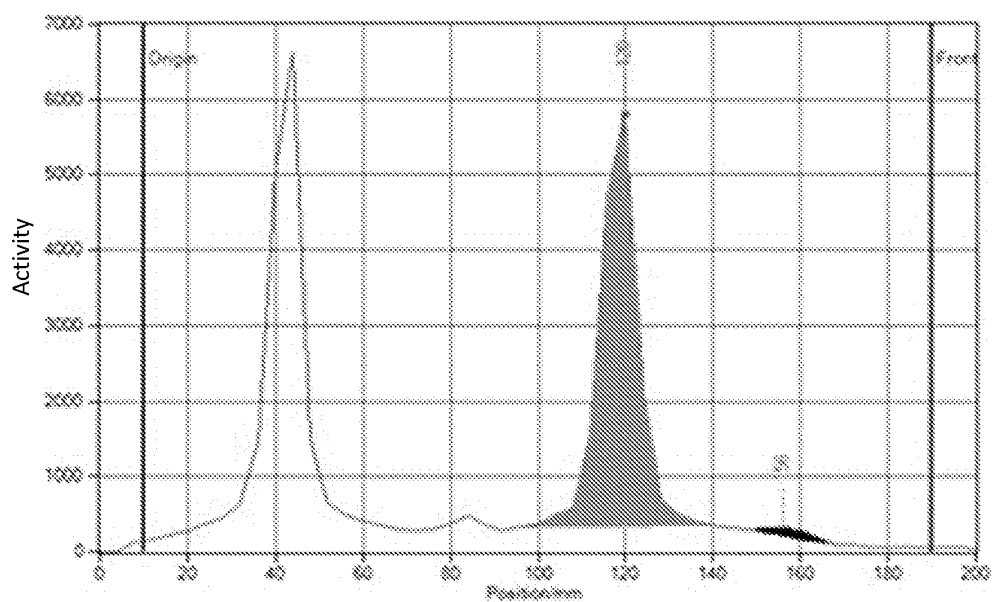


Fig. 17

**Fig. 18**

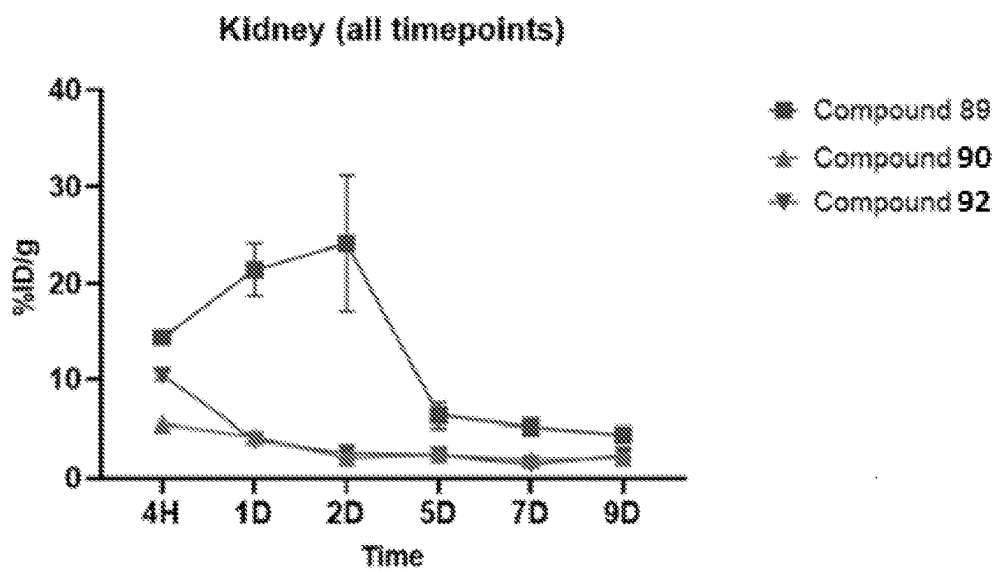


Figure A

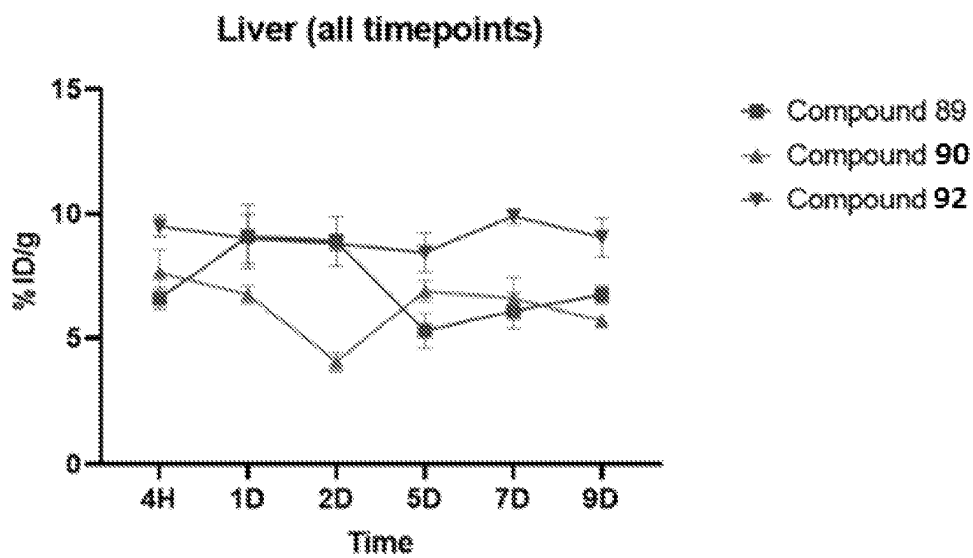


Figure B

Fig. 19

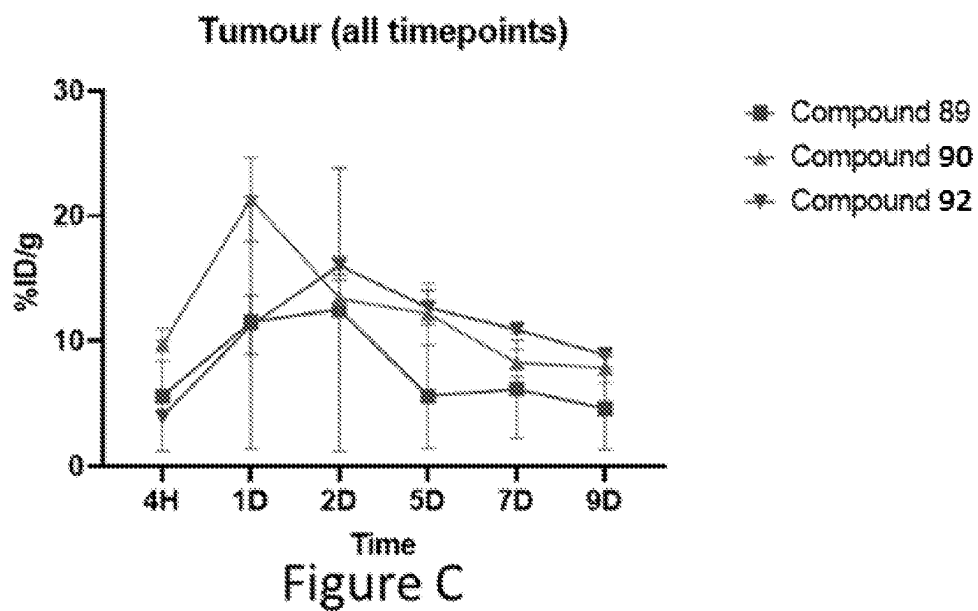


Fig. 19 Continued

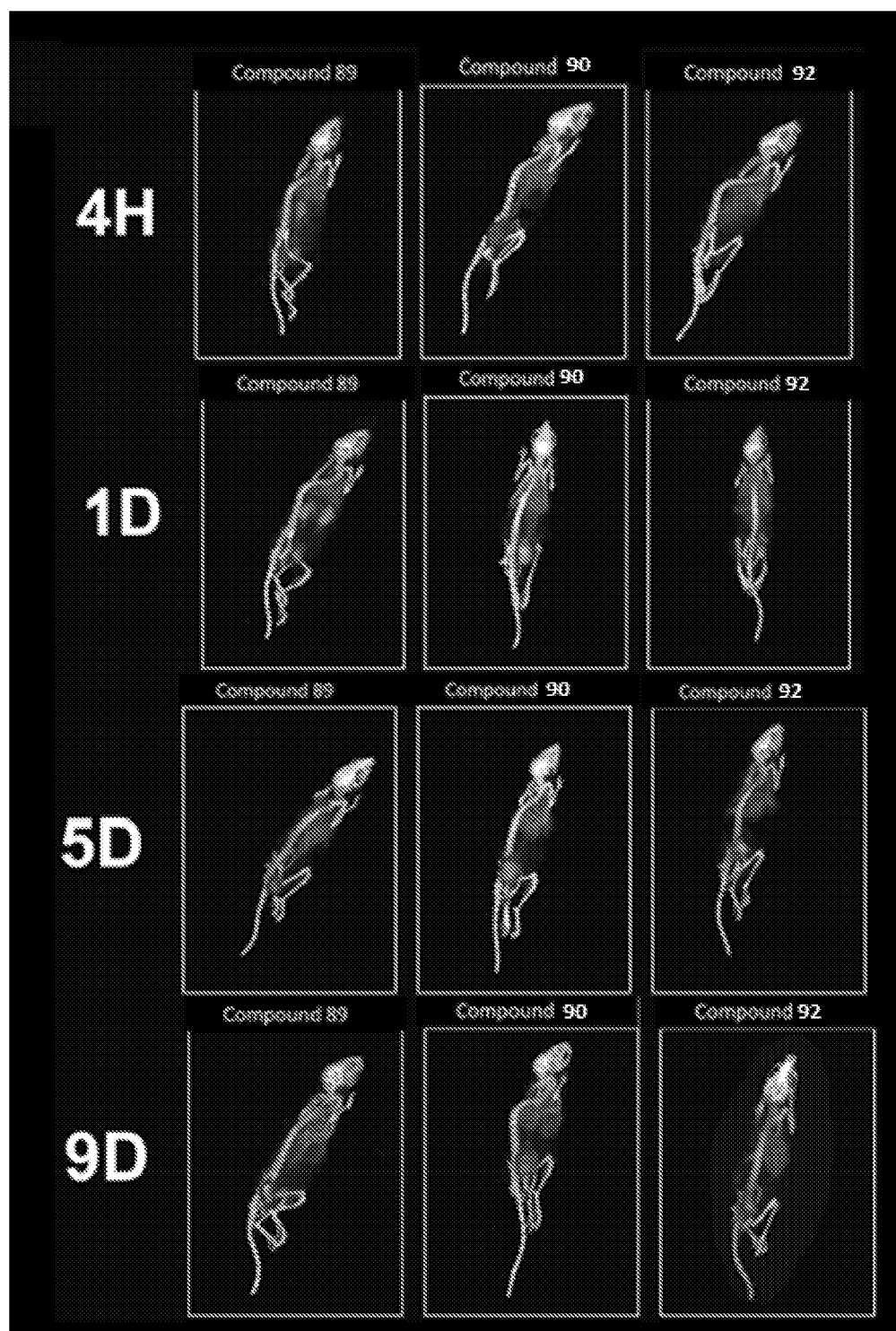


Fig. 20

Organs	Time / days	Dendrimer / organ ratio value												
		NB (16 kDa)	G2 (10.2 kDa)	G2 + NB (25.7 kDa)	G3-P412 (9.6 kDa)	G3-P412 + NB (25.1 kDa)	G3-P1K (16.4 kDa)	G3-P1K + NB (31.9 kDa)	G4 (27.9 kDa)	G4 + NB (43.4 kDa)	(G4 + NB) + 10 x NB (43.4 kDa)	G4 + 2-4 NB (multi NB) (60.3 kDa)	G5 (51.4kDa)	G5 + NB (66.8 kDa)
Tumour:Blood		104	99	86	100	88	101	87	102	90	90	91	103	92
	2	17.17	1.02	13.04	1.70	24.30	0.91	4.87	1.66	3.87	3.58	4.43	0.69	7.14
	9	1.24	6.57	10.58	0.74	1.67	7.76	25.86	21.92	56.95	32.30	12.62	13.68	325.01
Tumour:Liver	2	4.51	0.20	0.94	0.04	0.31	0.28	0.96	0.67	2.09	1.78	1.19	0.75	1.63
	9	1.36	0.11	0.28	0.01	0.05	0.15	0.71	0.29	0.66	0.52	0.27	0.37	1.09
Tumour:Spleen	2	2.56	0.29	1.09	0.13	1.16	0.33	1.12	0.35	1.41	0.95	0.83	0.29	1.12
	9	0.10	0.11	0.23	0.01	0.05	0.04	0.25	0.05	0.21	0.16	0.07	0.07	0.09
Tumour:Kidneys	2	0.01	0.73	0.10	0.06	0.03	0.69	0.24	2.05	5.21	3.87	3.40	2.22	7.15
	9	0.00	0.82	0.06	0.05	0.01	0.51	1.15	2.03	2.99	3.07	1.43	2.29	6.36

Fig. 21

		Dendrimer / %Injected Dose.gram ⁻¹												
Organ	Time / days	NB (16 kDa)	G2 (10.2 kDa)	G2 + NB (25.7 kDa)	G3-P412 (9.6 kDa)	G3-P412 + NB (25.1 kDa)	G3-P1K (16.4 kDa)	G3-P1K + NB (31.9 kDa)	G4 (27.9 kDa)	G4 + NB (43.4 kDa)	(G4 + NB) + 10 x NB (43.4 kDa)	G4 + 2-4 NB (multi NB) (60.3 kDa)	G5 (51.4kDa)	G5 + NB (66.8 kDa)
Compound		104	99	86	100	88	101	87	102	90	90	91	103	92
Tumour	2	1.05	1.74	2.70	0.71	2.28	2.67	4.78	3.96	12.53	12.64	7.85	4.04	11.96
	9	0.31	0.78	1.06	0.25	0.31	1.53	4.56	1.72	4.15	4.55	2.70	3.31	8.18
Liver	2	0.23	8.70	3.06	18.25	7.82	9.62	5.22	5.85	6.05	7.34	6.73	5.48	7.29
	9	0.23	7.18	3.71	20.85	6.02	10.10	6.44	5.85	7.34	8.72	10.23	9.59	7.56
Spleen	2	0.53	5.83	2.96	5.51	2.14	8.12	4.27	11.13	8.98	13.06	9.46	16.45	10.65
	9	0.00	7.38	4.47	35.24	6.88	47.73	18.02	34.23	21.52	30.23	37.09	45.59	87.39
Kidneys	2	109.01	2.36	28.56	11.23	79.08	4.05	20.07	1.93	2.47	3.29	2.33	1.87	1.66
	9	62.22	0.93	17.03	5.36	55.61	3.11	4.06	0.85	1.44	1.57	1.91	1.43	1.29
Heart	2	0.10	1.42	0.61	1.39	0.49	1.91	1.29	1.53	2.62	3.18	1.98	3.08	3.33
	9	0.00	0.64	0.52	0.92	0.28	1.23	0.81	1.11	1.36	1.35	1.72	1.83	1.99
Lungs	2	0.11	1.25	0.54	4.95	0.58	4.36	2.31	1.39	2.82	2.80	1.72	2.71	2.86
	9	0.00	0.44	0.38	2.78	0.55	3.55	1.33	1.06	1.32	1.24	1.38	1.12	1.43
Bone	2	0.26	1.04	0.63	0.98	0.63	0.93	1.75	1.31	2.17	3.03	2.27	1.70	8.07
	9	0.00	0.28	0.34	0.58	-0.53	0.79	0.54	1.54	1.78	1.78	3.77	1.30	2.72
Blood	2	0.08	1.67	0.22	0.42	0.09	3.05	1.03	2.37	3.40	3.51	1.81	5.97	2.75
	9	0.00	0.00	-0.26	-0.45	-0.29	-0.20	-0.18	0.08	-0.19	-0.21	-0.22	0.04	0.00
GI Tract	2	0.04	0.87	0.37	1.17	0.34	1.01	0.67	0.68	1.04	1.35	0.96	0.85	0.89
	9	0.11	0.31	0.32	0.80	0.29	0.77	0.52	0.37	0.46	0.57	0.64	0.63	0.62
Tail	2	0.07	1.78	0.71	2.36	0.69	1.14	0.71	0.93	2.26	2.14	0.90	1.47	1.47
	9	0.03	2.56	1.76	0.58	1.50	0.99	1.32	2.53	1.12	1.29	1.03	1.03	1.14

Fig. 22

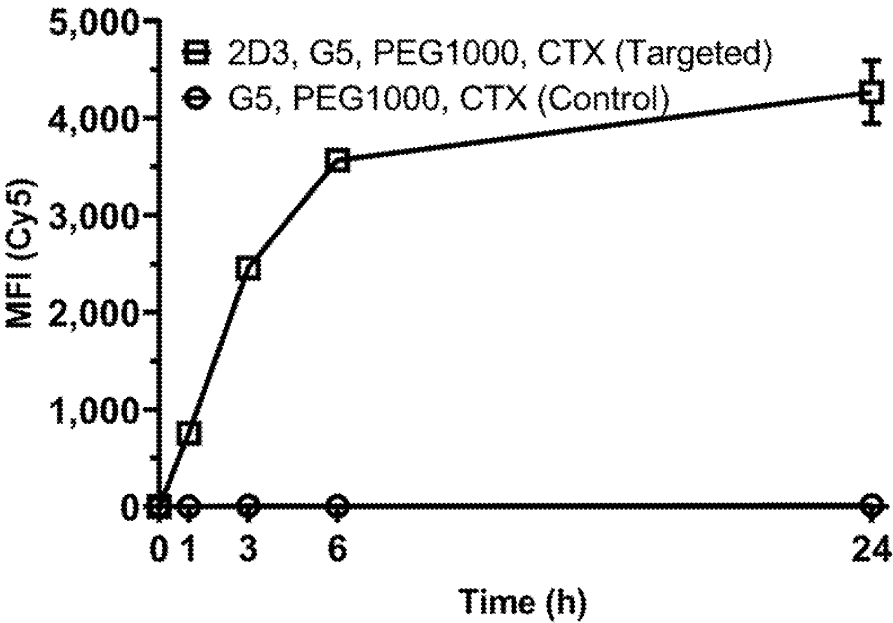


Fig. 23

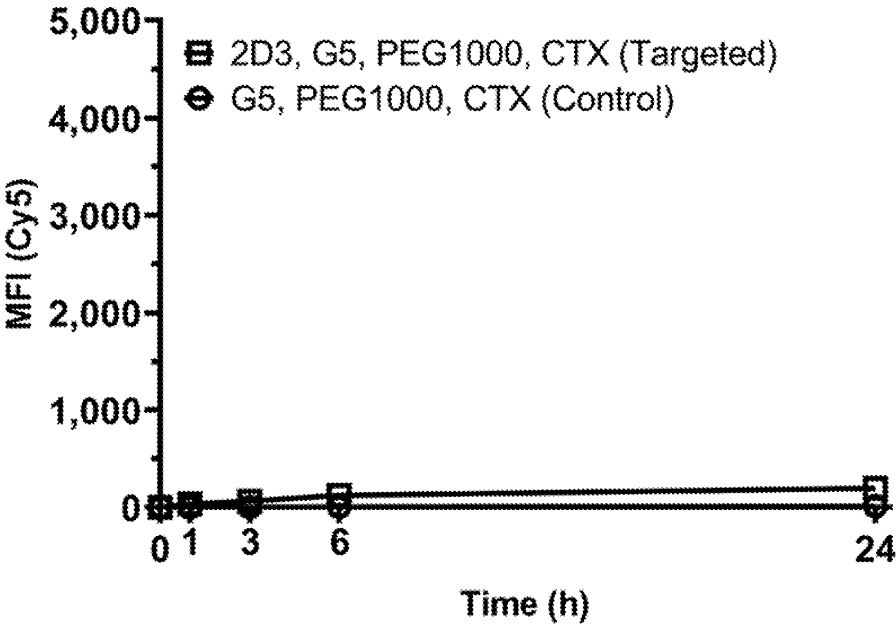


Fig. 24

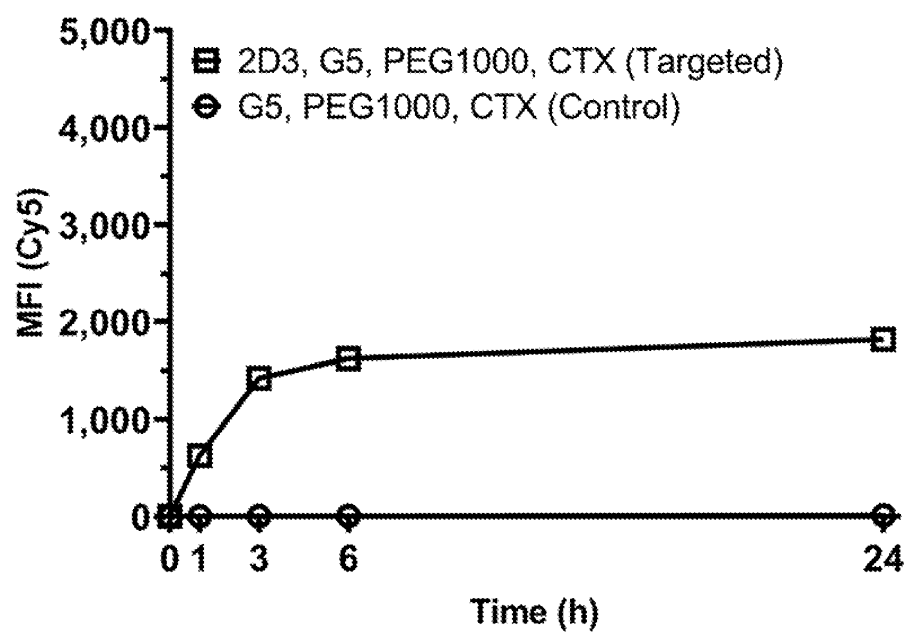


Fig. 25