Supplementary Data

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Figure S4. HRMS for compound 3d.















Figure S8. HRMS for compound 3h.







Figure S10. HRMS for compound 3j.























Figure S16. HRMS for compound 4d.















Figure S10. HRMS for compound 4h.







Figure S22. HRMS for compound 4j.







Figure S24. HRMS for compound 4l.







Figure S26. ¹³C-NMR for compound 2b.



















Figure S31. HMBC for compound 2b.







Overlay #	Fiename	Gate	e of Events	X Geometric Mean	Y Geometric Mean	% of gated cells	% of all cells
1	VERO_Tube_001.fca	None	5593	9.75	406.33	100.00	85.43
1	VERO_Tube_001.fca	Gate 1	5593	9.75	405.33	100.00	85.43
1	VERO_Tube_001.fcs	Gate 2	3957	4.51	456.17	65.39	57.82
1	VERO_Tube_001.fca	Gate 3	957	25.40	403.16	17.11	15.13
1	VERO_Tube_001.fcs	Gate 4	712	297.58	237.09	12.73	11.28



Overlay #	Fiename	Gate	# of Events	X Geometric Mean	Y Geometric Mean	% of gated cells	% of all cells
1	VERO_Tube_002 fca	Nore	6763	30.34	322.97	100.00	32.47
1	VERO_Tube_002 fca	Gate 1	6763	30.34	322.97	100.00	32.47
1	VERO_Tube_002.fcs	Gate 2	284	6.70	396.19	4.20	1.36
1	VERO_Tube_002 fca	Gate 3	5325	23.87	340.60	78.74	25.56
1	VERO_Tube_002.fcs	Gate 4	1037	223.67	245.86	15.33	4.98

Figure S33. Cont.



Overlay #	Fiename	Gate	e of Events	X Geometric Mean	Y Geometric Mean	% of gated cells	% of all cells
1	VERO_Tube_003 fca	None	6051	25.13	331.30	100.00	25.25
1	VERO_Tube_003 fca	Gate 1	6051	25.13	331.30	100.00	25.25
1	VERO_Tube_003.fcs	Gate 2	788	7.98	426.40	13.02	3.29
1	VERO_Tube_003 fca	Gate 3	4244	21.13	346.57	70.14	17.71
1	VERO_Tube_003.fcs	Gate 4	878	219.99	220.67	14.51	3.66



Dverlay •	Flename	Gate	# of Events	X Geometric Mean	Y Geometric Mean	% of gated cells	% of all cells
1	VERO_Tube_004 fca	Nore	5577	17.10	373.00	100.00	35.24
1	VERO_Tube_004 fca	Gate 1	5577	17.10	373.00	100.00	35.24
1	VERO_Tube_004 fcs	Gate 2	1616	7.51	433.27	28.96	10.21
1	VERO_Tube_004 fca	Gate 3	3357	19.36	374.22	60.19	21.21
1	VERO_Tube_004 fcs	Gate 4	434	238.31	230.65	7.78	2.74

Figure S33. Cont.



Overlay #	Flename	Gate	# of Events	X Geometric Mean	Y Geometric Mean	% of gated cells	% of all cels
1	VERO_Tube_019 fca	Nore	5463	14.34	413.95	100.00	75.63
1	VERO_Tube_019 fca	Gate 1	5463	14.34	413.95	100.00	75.63
1	VERO_Tube_019.fcs	Gate 2	2995	7.48	473.74	49.33	37.41
1	VERO_Tube_019 fca	Gate 3	2183	23.43	407.23	39.96	30.30
1	VERO_Tube_019.fcs	Gate 4	396	218.22	233.72	7.07	5.36



Overlay •	Fienate	Gate	# of Events	X Geometric Mean	Y Geometric Mean	% of gated cells	% of all cells
1	VERO_Tube_020 fca	None	5604	16.96	399.27	100.00	62.15
1	VERO_Tube_020 fca	Gate 1	5604	16.96	399.27	100.00	62.15
1	VERO_Tube_020.fcs	Gate 2	2520	7.52	472.32	44.97	31.10
1	VERO_Tube_020 fca	Gate 3	2341	23.61	392.87	41.77	25.89
1	VERO_Tube_020.fcs	Gate 4	584	236.93	232.93	10.42	7.21

Figure S33. Cont.



Figure S33. Flow cytometry analysis on VERO cells.





Overlay #	Fiename	Gate	# of Events	X Geometric Mean	Y Geometric Mean	% of gated cells	% of all cells
1	Hela_Tube_001.fca	None	4977	4.21	432.52	100.00	90.41
1	Hela_Tube_001.fca	Gate 1	4977	4.21	432.52	100.00	90.41
1	Hela_Tube_001.fcs	Gate 2	4306	3.90	438.01	88.52	78.22
1	Hela_Tube_001.fca	Gate 3	255	22.32	429.95	5.18	4.69
1	Hela_Tube_001.fcs	Gate 4	75	499.42	392.42	1.51	1.36



Overlay #	Flenate	Gate	# of Events	X Geometric Mean	Y Geometric Mean	% of gated cells	% of all cells
1	Hela_Tube_002 fca	None	5262	21.44	410.44	100.00	13.61
1	Hela_Tube_002 fca	Gate 1	5262	21.44	410.44	100.00	13.61
1	Hela_Tube_002.fcs	Gate 2	1128	9.38	495.80	21.40	2.91
1	Hela_Tube_002 fca	Gate 3	3631	21.77	405.13	62.00	9.39
1	Hela_Tube_002.fcs	Gate 4	398	355.52	343.76	6.99	0.95

Figure S34. Cont.





Overlay #	Fienate	Gate	e of Events	X Geometric Mean	Y Geometric Mean	sated cells	% of all cells
1	Hela_Tube_003.fca	None	5355	27.13	401.61	100.00	20.90
1	Hela_Tube_003 fca	Gate 1	5355	27.13	401.61	100.00	20.90
1	Hela_Tube_003.fcs	Gate 2	613	10.84	505.38	9.57	2.00
1	Hela_Tube_003 fca	Gate 3	4370	25.78	403.39	81.56	17.04
1	Hela_Tube_003.fcs	Gate 4	385	247.83	345.55	7.19	1.50



Overlay #	Fiename	Gate	# of Events	X Geometric Mean	Y Geometric Mean	% of gated cells	% of all cells
1	Hela_Tube_004 fca	None	5030	14.10	439.04	100.00	29.11
1	Hela_Tube_004 fca	Gate 1	5030	14.10	439.04	100.00	29.11
1	Hela_Tube_004 fcs	Gate 2	2494	8.32	490.28	49.58	14.43
1	Hela_Tube_004 fca	Gate 3	2191	21.79	414.31	43.56	12.68
1	Hela_Tube_004 fcs	Gate 4	172	313.64	364.76	3.42	1.00

Figure S34. Cont.



Overlay #	Fienaxe	Gate	# of Events	A Geometric Mean	Geometric Mean	gated cells	all cells
1	Hela_Tube_019 fca	None	4970	8.27	457.59	100.00	75.00
1	Hela_Tube_019 fca	Gate 1	4970	8.27	457.59	100.00	75.00
1	Hela_Tube_019.fcs	Gate 2	3934	5.03	495.50	79.15	59.36
1	Hela_Tube_019 fca	Gate 3	506	25.83	424.04	11.39	8.54
1	Hela_Tube_019.fcs	Gate 4	354	515.29	452.36	7.12	5.34



Overlay #	Flename	Gate	# of Events	X Geometric Mean	Y Geometric Mean	% of gated cells	% of all cells
1	Hela_Tube_020 fcs	None	4246	8.62	464.25	100.00	73.67
1	Hela_Tube_020 fca	Gate 1	4946	8.62	464.25	100.00	73.67
1	Hela_Tube_020.fcs	Gate 2	3941	5.66	473.92	79.68	58.70
1	Hela_Tube_020 fca	Gate 3	572	24.94	422.91	11.71	8.62
1	Hela_Tube_020.fcs	Gate 4	307	545.82	458.15	6.21	4.57

Figure S34. Cont.



Figure S34. Flow cytometry analysis on HeLa cells.





Overlay •	Fienate	Gate	# of Events	X Geometric Mean	Y Geometric Mean	% of gated cells	% of all cells
	H1975_Tube_001.fca	None	4917	9.55	518.15	100.00	39.95
	H1975_Tube_001.fca	Gate 1	4217	9.55	518.15	100.00	39.95
	H1975_Tube_001.fcs	Gate 2	3675	5.68	530.92	74,74	29.86
1	H1975_Tube_001.fca	Gate 3	793	28.23	500.79	16.13	6.44
	H1975_Tube_001.fcs	Gate 4	406	284.81	478.10	8.26	3.34





Dverlay •	Fiename	Gate	# of Events	X Geometric Mean	Y Geometric Mean	% of gated cells	% of all cells
1	H1975_Tube_002.fca	None	4450	42.19	477.56	100.00	15.15
	H1975_Tube_002 fca	Gate 1	4450	42.19	477.56	100.00	15.15
1	H1975_Tube_002.fcs	Gate 2	668	9.37	635.61	14.91	2.26
1	H1975_Tube_002 fca	Gate 3	2535	27.26	475.43	63.30	9.59
1	H1975_Tube_002.fcs	Gate 4	1107	279.22	491.41	24.71	3.74

Figure S35. Cont.





Overlay	Fiename	Gate	# of Events	X Geometric Mean	Y Geometric Mean	% of gated cells	% of all cells
	H1975_Tube_003.fca	None	4405	41.75	471.53	100.00	17.62
	H1975_Tube_003 fca	Gate 1	4435	41.78	471.53	100.00	17.62
	H1975_Tube_003.fcs	Gate 2	612	9.62	520.48	11.62	2.07
	H1975_Tube_003 fca	Gate 3	2944	27.66	409.56	66.79	11.90
	H1975_Tube_003.fcs	Gate 4	1022	296.16	491.89	23.19	4.13



Overlay #	Flename	Gate	e of Eventa	X Geometric Mean	Y Geometric Mean	% of gated cells	% of all cells
1	H1975_Tube_004 fcs	Nore	4415	31.46	509.22	100.00	19.47
1	H1975_Tube_004 fcs	Gate 1	4415	31.46	509.22	100.00	19.47
1	H1975_Tube_004.fcs	Gate 2	1284	9.16	544.88	29.06	5.66
1	H1975_Tube_004 fcs	Gate 3	2470	26.06	511.22	55.91	10.88
1	H1975_Tube_004.fcs	Gate 4	855	290.52	499.55	19.35	3.77

Figure S35. Cont.



•			Eventa	Veen	Veen	cels	cells
1	H1975_Tube_016.fca	None	4555	25.32	501.53	100.00	21.07
1	H1975_Tube_016 fca	Gate 1	4555	25.32	501.53	100.00	21.07
1	H1975_Tube_016.fcs	Gate 2	1553	9.55	542.78	34.09	7.18
1	H1975_Tube_016 fca	Gate 3	2550	22.45	494.22	56.64	11.93
1	H1975_Tube_016.fcs	Gate 4	705	272.57	495.69	15.48	3.26



Overlay •	Fienate	Gate	# of Events	X Geometric Mean	Y Geometric Mean	% of gated cells	% of all cells
1	H1975_Tube_019 fcs	None	4112	12.51	542.70	100.00	25.71
1	H1975_Tube_019 fcs	Gate 1	4112	12.51	542.70	100.00	25.71
1	H1975_Tube_019.fcs	Gate 2	2780	6.57	596.21	67.61	17.38
1	H1975_Tube_019 fcs	Gate 3	941	29.96	512.93	22.88	5.66
1	H1975_Tube_019.fcs	Gate 4	397	295.13	496.44	9.65	2.48

Figure S35. Cont.



Overlay #	Fiename	Gate	# of Events	X Geometric Mean	Y Geometric Mean	% of gated cells	% of all cells
1	H1975_Tube_021.fca	None	4204	12.67	540.89	100.00	23.89
1	H1975_Tube_021 fca	Gate 1	4204	12.67	540.89	100.00	23.89
1	H1975_Tube_021.fcs	Gate 2	2806	6.75	564.72	66.75	15.95
1	H1975_Tube_021.fca	Gate 3	957	25.55	519.49	23.48	5.61
1	H1975_Tube_021.fcs	Gate 4	4)7	273.36	468.14	9.68	2.31

Figure S35. Flow cytometry analysis on HT1975 cells.





Overlay #	Fiename	Gate	# of Events	X Geometric Nean	Y Geometric Nean	% of gated cells	% of all cells
1	HTC115_Tube_001.fcs	None	5061	6.05	479.63	100.00	82.27
1	HTC115_Tube_001.fcs	Gate 1	5061	6.05	479.63	100.00	82.27
1	HTC116_Tube_001.fos	Gate 2	3811	3.97	495.03	75.30	61.95
1	HTC115_Tube_001.fcs	Gate 3	596	23.07	458.05	11.75	9.69
1	HTC116_Tube_001.fos	Gate 4	327	366.83	386.65	6.46	5.32



Dverlay •	Flename	Gate	# of Events	X Geometric Nean	Y Geometric Nean	% of gated cells	% of all cells
	HTC116_Tube_002.fcs	None	5631	41.55	487.65	100.00	17.65
	HTC115_Tube_002.1cs	Gate 1	5631	41.55	487.65	100.00	17.65
	HTC116_Tube_002.fos	Gate 2	438	9,26	531.49	7.78	1.37
	HTC116_Tube_002.fcs	Gate 3	4357	31.93	497.50	77.35	13.66
	HTC116_Tube_002.fos	Gate 4	871	328.14	426.11	15.47	2.73

Figure S36. Cont.





Overlay •	Fiename	Gate	# of Events	X Geometric Nean	Y Geometric Nean	% of gated cells	% of all cells
1	HTC115_Tube_003.fcs	None	5133	58.55	479.09	100.00	29.75
1	HTC115_Tube_003.1cs	Gate 1	5133	58.55	479.09	100.00	29.75
1	HTC116_Tube_003.fos	Gate 2	158	10.41	538.04	3.10	0.92
1	HTC116_Tube_003.fcs	Gate 3	3904	38.69	488.92	76.45	22.77
1	HTC116_Tube_003.fos	Gate 4	1076	327.34	443.79	20.99	6.24



Overlay #	Fiename	Gate	# of Events	X Geometric Nean	Y Geometric Nean	% of gated cells	% of all cells
1	HTC115_Tube_004.fcs	None	5042	25.42	523.78	100.00	32.56
1	HTC116_Tube_004.fcs	Gate 1	5042	25.42	523.78	100.00	32.56
1	HTC116_Tube_004.fos	Gate 2	1179	8.74	558.70	23.35	7.60
1	HTC116_Tube_004.1cs	Gate 3	36.13	27.77	525.85	71.50	23.25
1	HTC116_Tube_004.fos	Gate 4	362	318.37	420.68	6.97	2.27

Figure S36. Cont.





Overlay •	Flename	Gate	# of Events	X Geometrio Nean	Y Geometric Nean	% of gated cells	% of all cells
	HTC115_Tube_019.fcs	None	4959	14.30	547.09	100.00	81.04
	HTC116_Tube_019.fcs	Gate 1	4959	14.30	547.09	100.00	81.04
	HTC116_Tube_019.fos	Gate 2	3019	6.83	557.49	60.82	49.29
	HTC116_Tube_019.1cs	Gate 3	1555	24.79	550.37	31.42	25.46
1	HTC116_Tube_019.fos	Gate 4	428	454.28	560.91	8.63	6.99





Overlay •	Fiename	Gate	# of Events	X Geometric Nean	Y Geometric Nean	% of gated cells	% of all cells
1	HTC115_Tube_020.1cs	None	4965	16.27	537.19	100.00	83.60
1	HTC115_Tube_020.1cs	Gate 1	4965	16.27	537.19	100.00	83.60
1	HTC116_Tube_020.fos	Gate 2	2639	7.20	546.28	52.68	44.04
1	HTC115_Tube_020.1cs	Gate 3	2010	25.17	535.05	40.32	33.71
1	HTC116_Tube_020.fos	Gate 4	409	451.98	510.48	8.20	6.96

Figure S36. Cont.



Figure S36. Flow cytometry analysis on HTC116 cells.