Table S1: Growth inhibitory effects of compounds against SKBR-3, MCF-7, and MDA-MB-231 cells

Compound	Cell line	GI_{50}[A] (μM)	95% CI[B] (μM)	GI_{90}[C] (μM)	95% CI (μM)
VN/12-1	**SKBR-3**	5.38	4.1-6.66	34.51	30.53-38.49
VN/14-1		17.98	14.57-21.39	51.32	47.2-55.44
ATRA		15.2	12.89-17.51	65.91	60.3-71.52
Letrozole		45.6	42.48-48.72	>100	-
Tamoxifen		10.1	7.83-12.37	57.12	52.4-61.84
VN/12-1	**MDA-MB-231**	7.37	3.93-10.81	47.91	42.2-53.62
VN/14-1		56	51.33-60.67	>100	ND
ATRA		>100	>100	>100	ND
Letrozole		>100	>100	>100	ND
Tamoxifen		ND	ND	ND	ND
VN/12-1	**MCF-7**	0.57	0.34-0.8	20.18	14.98-25.38
VN/14-1		1.56	0.35-2.77	23.12	20.81-25.43
ATRA		2.84	0.9-4.78	19.96	16.73-23.19
Letrozole		0.47	0.148-0.792	11.21	9.33-13.09
Tamoxifen		4.53	0.74-9.8	17.09	14.76-19.42

Table S2: Computer simulated CI and DRI values for VN/12-1, CHL and 3-MA

Inhibition %	**CI[A]**	**DRI[B] VN/12-1**	**DRI CHL[C]**
50	0.764	2.139	3.367
60	0.610	2.736	4.093
75	0.415	4.167	5.714
90	0.226	8.116	9.697
95	0.150	12.772	13.895
Inhibition %	**CI**	**DRI VN/12-1**	**DRI 3-MA[D]**
50	0.820	1.876	3.486
60	0.765	2.053	3.604
75	0.680	2.395	3.815
90	0.567	3.058	4.176
95	0.502	3.611	4.440

Table S3: Estimates of the geometric mean tumor volume (in mm3) over time, as well as the tumor growth rate and doubling time, by treatment group.

Treatment Group	Time (days)					%Δ[A]	(95% CI)[B]	T_{2x}[C]
	0	*7*	*14*	*21*	*28*			
Control	264	395	593	891	1336	6.0	(5.4, 6.5)	12
CHL	246	345	485	681	956	5.0	(4.4, 5.5)	14
ATRA	236	307	400	521	679	3.9	(3.3, 4.4)	18
VN/12-1 (2.5)	253	325	416	534	685	3.6	(3.1, 4.2)	19
VN/12-1 (5.0)	251	292	340	396	462	2.2	(1.7, 2.7)	32
ATRA + CHL	242	302	376	470	587	3.2	(2.7, 3.8)	22
VN/12-1 (2.5) + CHL	228	260	296	338	386	1.9	(1.9, 2.4)	37
VN/12-1 (5.0) + CHL	195	212	232	252	275	1.2	(0.7, 1.8)	56

Table S4: p-values for all pairwise contrasts among the treatment groups.

	Control	*CHL*	*ATRA*	*VN12-2.5*	*VN12-5*	*ATRA +CHL*	*VN12-2.5+ CHL*	*VN12-5.0+ CHL*
Control								
CHL	0.013							
ATRA	0.001	0.006						
VN12-2.5	0.001	0.001	0.551					
VN12-5	0.001	0.001	0.001	0.001				
ATRA+CHL	0.001	0.001	0.109	0.308	0.009			
VN12-2.5+ CHL	0.001	0.001	0.001	0.001	0.431	0.001		
VN12-5+ CHL	0.001	0.001	0.001	0.001	0.014	0.001	0.086	