

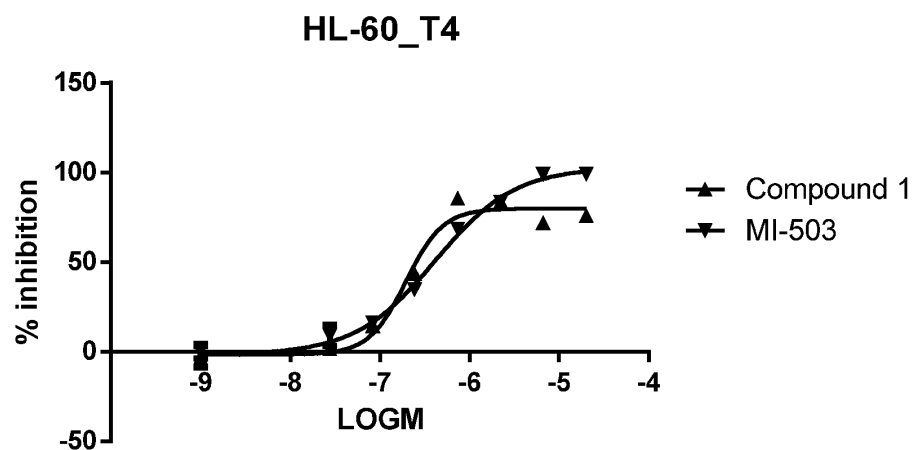


Figure 1

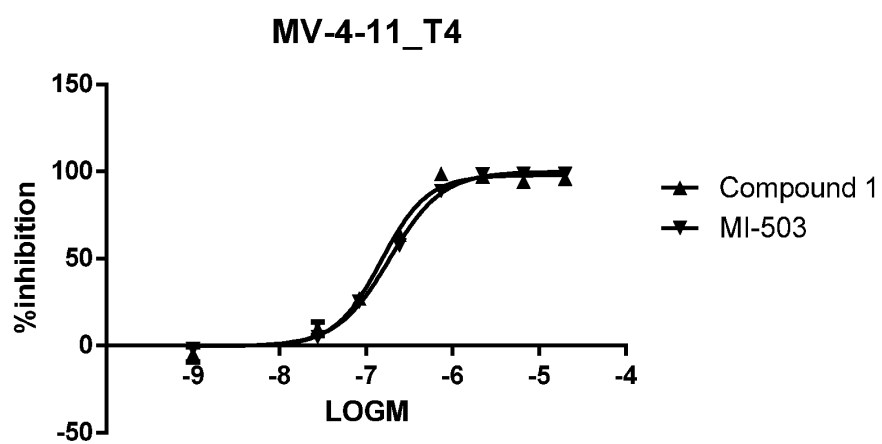
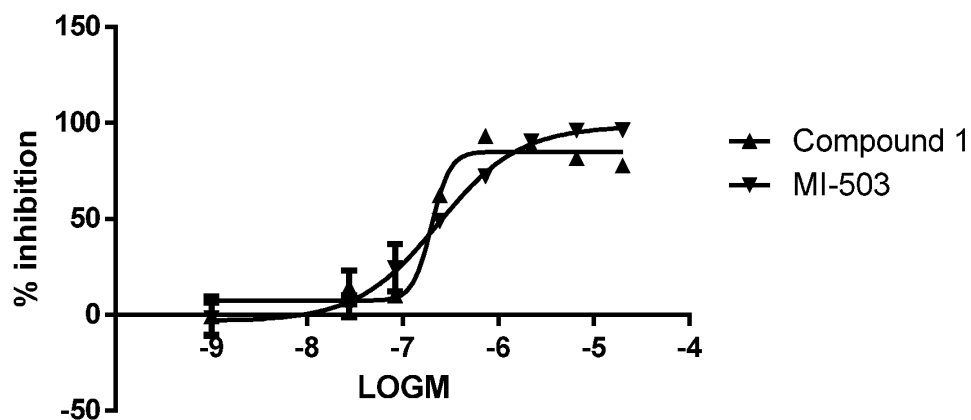
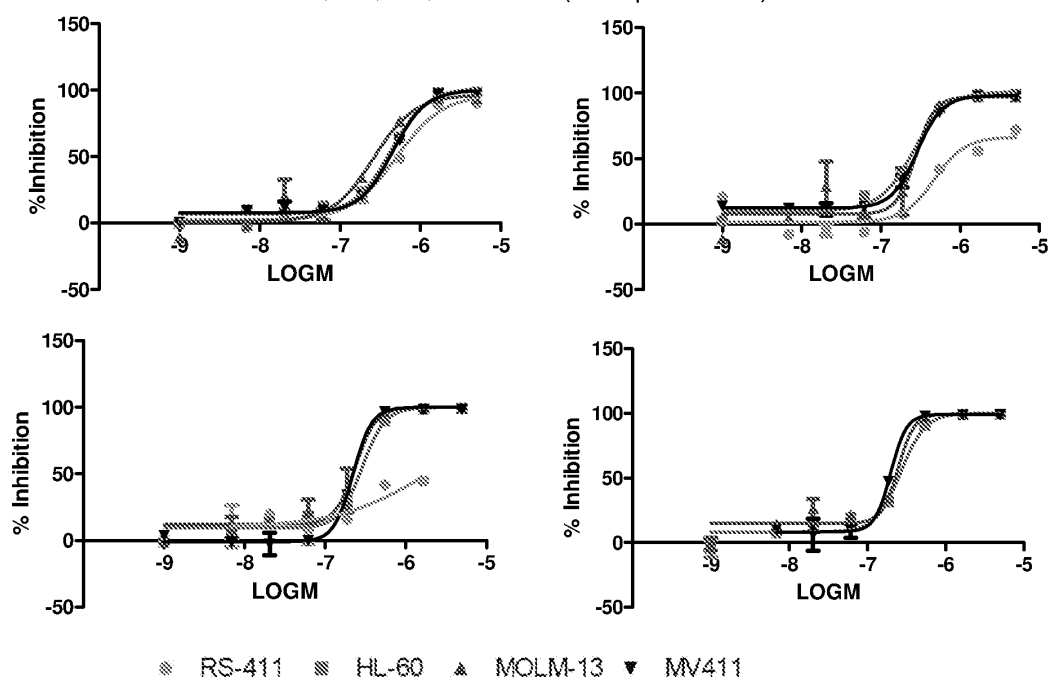
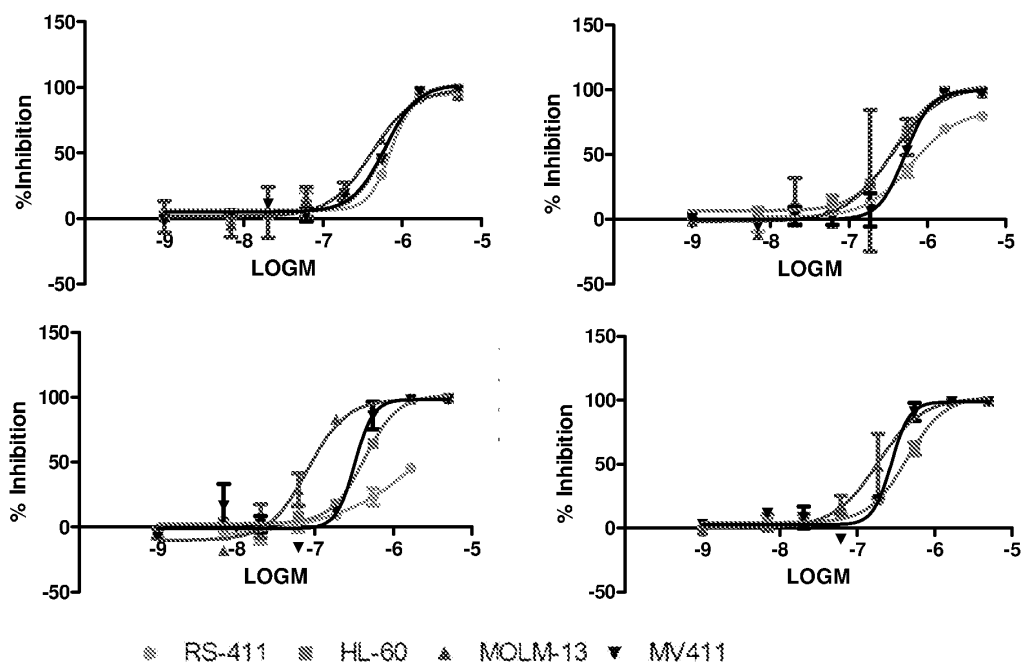


Figure 2

MOLM-13_T4**Figure 3****T1, T4, T7, and T14 (Compound 10)****Figure 4**

T1, T4, T7, and T14 (Compound 13)

**Figure 5**

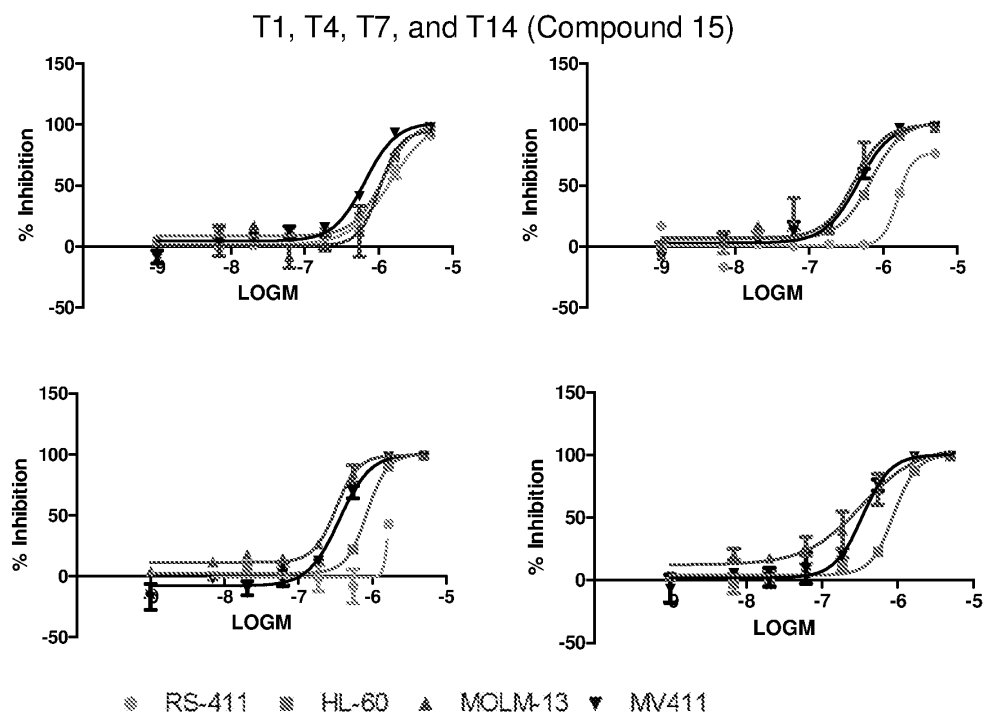


Figure 6

		#10			
Cell Type	Time point	pIC50	slope	% max	IC50(μM)
HL-60	T4	6.37	1.93	102	0.43
	T7	6.59	2.06	101	0.26
	T11	6.54	3.03	100*	0.29
	T14	6.57	2.75	100	0.27
MOLM-13(MLL-AF9)	T4	6.58	1.7	97	0.26
	T7	6.56	3.65	97	0.28
	T11	6.62	3.44	100*	0.24
	T14	6.64	4.14	100	0.23
MV4-11(MLL-AF4)	T4	6.34	2.13	100	0.46
	T7	6.54	2.71	98	0.29
	T11	6.66	3.72	100*	0.22
	T14	6.70	4.32	99	0.20
RS4;11 (MLL-AF4)	T4	6.30	1.50	97	0.50
	T7	6.33	2.20	67	0.47
	T11	<5.30	-	45	>5.00
	T14	ND	ND	ND	ND

Figure 7

Cell Type	Time point	#13				#15				#23			
		pIC50	slope	% max	IC50(μ M)	pIC50	slope	% max	IC50(μ M)	pIC50	slope	% max	IC50(μ M)
HL-60	T4	6.21	2.24	102	0.62	5.94	2.18	102	1.15	<5.30	-	<20	>5.00
	T7	6.42	1.71	103	0.38	6.17	2.07	102	0.68	<5.30	-	<20	>5.00
	T11	6.37	2.04	102	0.43	6.07	3.07	100	0.85	<5.30	-	<20	>5.00
	T14	6.36	1.77	103	0.44	6.05	2.87	100	0.89	<5.30	-	<20	>5.00
MOLM-13 (MLL-AF9)	T4	6.38	1.65	99	0.42	5.99	3.11	95	1.02	<5.30	-	<20	>5.00
	T7	6.45	1.44	102	0.35	6.39	2.15	100*	0.41	<5.30	-	46	>5.00
	T11	7.09	1.76	99	0.08	6.49	2.85	100	0.32	5.85	1.22	75*	1.41
	T14	6.73	1.54	102	0.19	6.48	1.17	107	0.33	5.41	1.31	63*	3.89
MV-11 (MLL-AF4)	T4	6.22	2.11	102	0.60	6.19	2.05	102	0.65	<5.30	-	<20	>5.00
	T17	6.29	2.66	100	0.51	6.34	1.92	101	0.46	5.36	1.09	52*	4.37
	T11	6.49	3.67	98	0.32	6.45	2.06	101	0.35	5.77	1.08	79*	1.70
	T14	6.56	3.67	99	0.28	6.46	2.33	100	0.35	5.91	1.19	90*	1.23
RS4; 11 (MLL-AF4)	T4	6.15	3.18	95	0.71	5.84	1.60	104	1.45	5.83	0.77	71	1.48
	T17	6.20	1.48	84	0.63	5.81	4.43	77	1.55	6.03	0.56	73*	0.93
	T11	<5.30	-	45	>5.00	<5.30	-	43	>5.00	<5.30	-	40	>5.00
	T14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

FIGURE 8