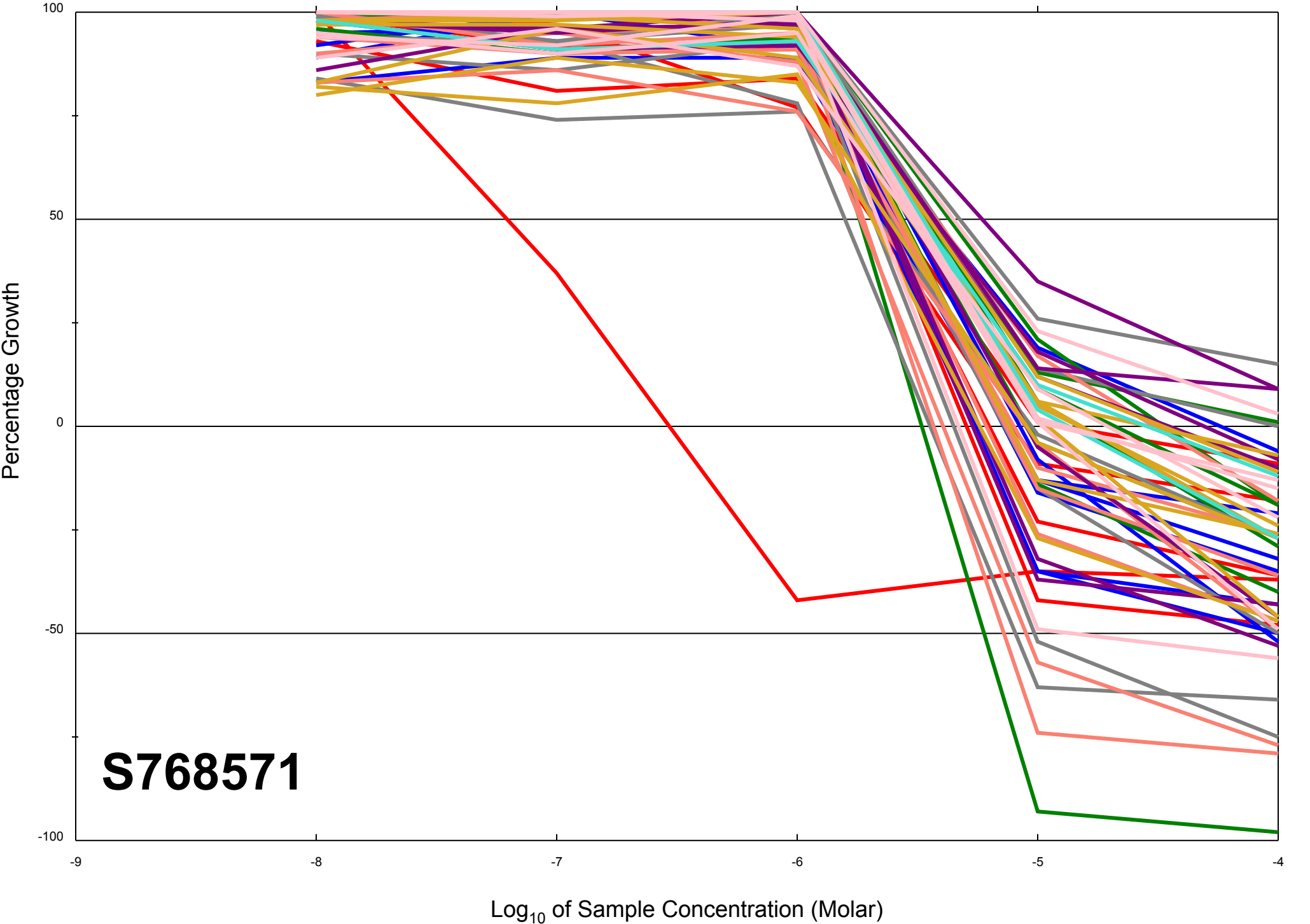


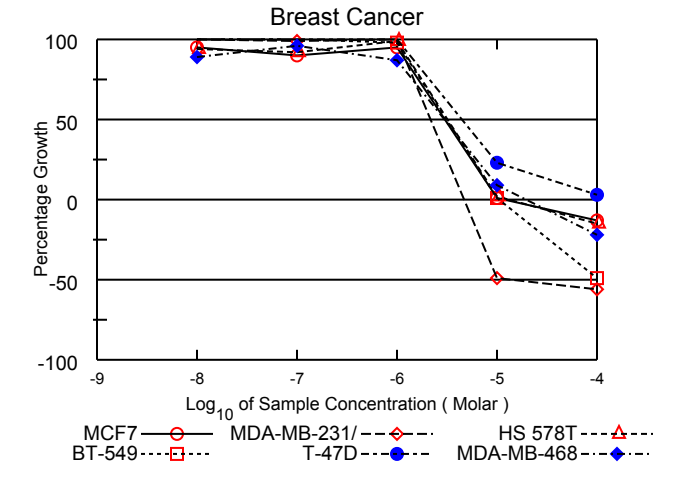
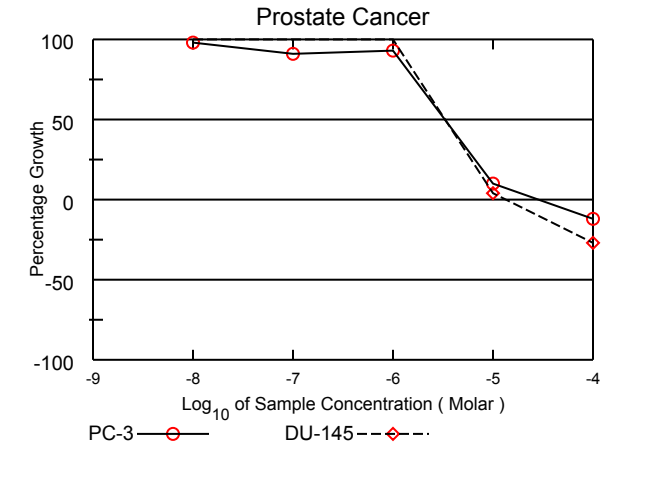
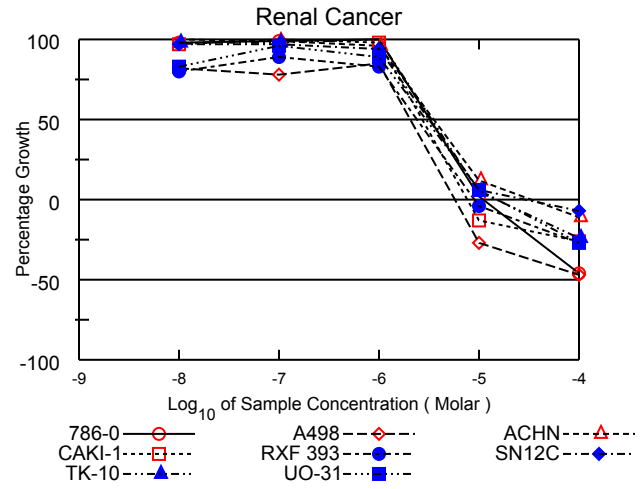
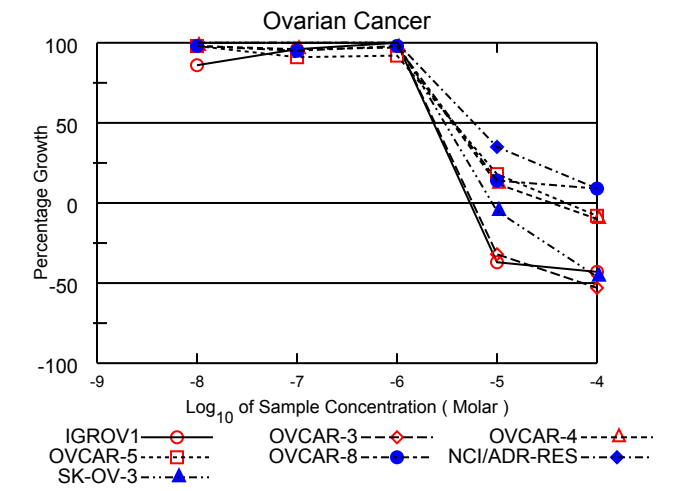
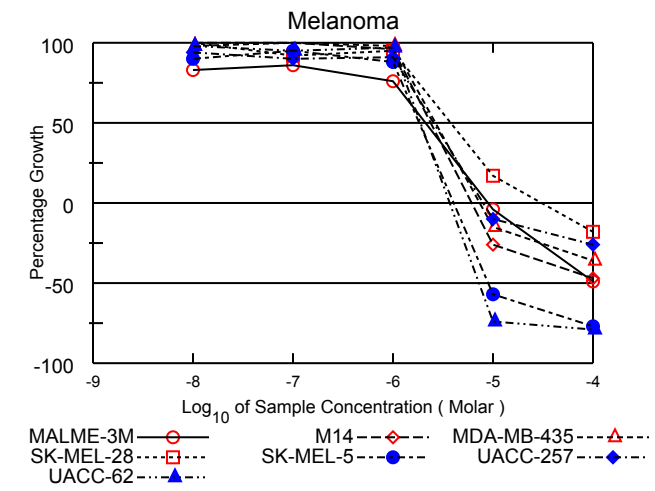
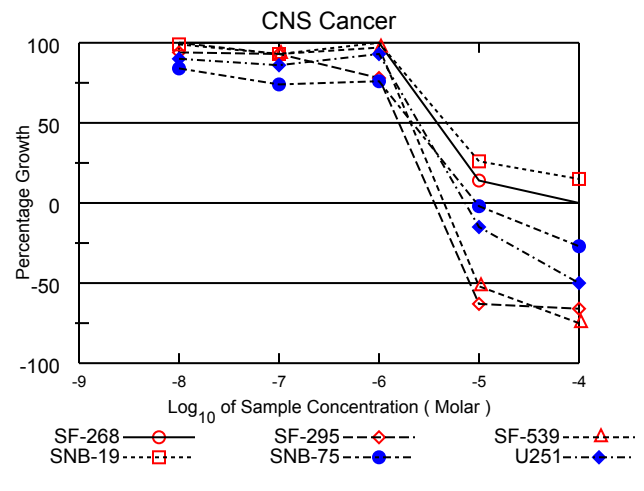
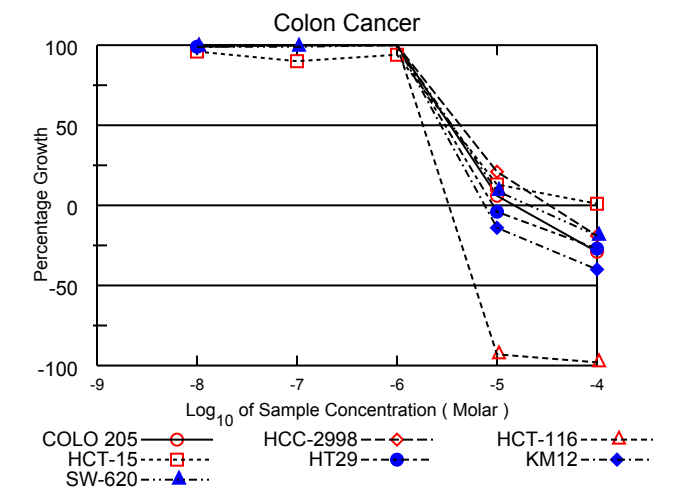
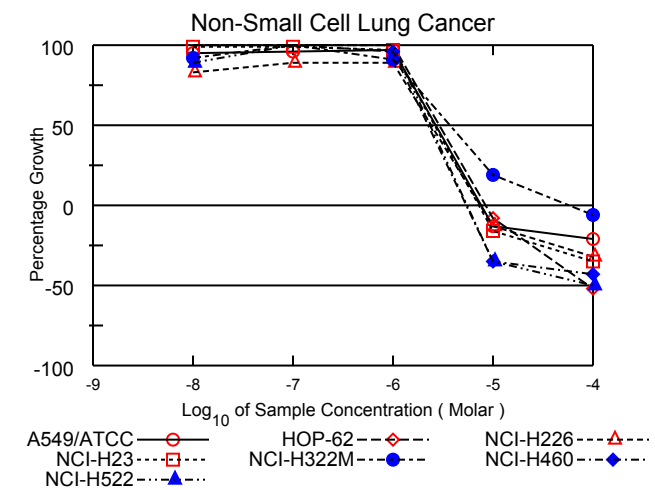
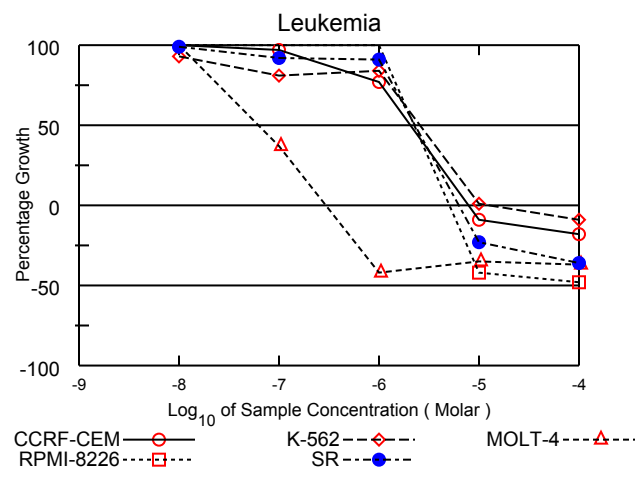
Dose Response Curves

Report Date:November 18, 2013

Test Date:March 18, 2013

All Cell Lines





National Cancer Institute Developmental Therapeutics Program In-Vitro Testing Results

NSC : 768571 / 1	Experiment ID : 1303NS40	Test Type : 08	Units : Molar
Report Date : November 18, 2013	Test Date : March 18, 2013	QNS :	MC :
COMI : A4371/0186609 (123353)	Stain Reagent : SRB Dual-Pass Related	SSPL : 0YAR	

Panel/Cell Line	Log10 Concentration												GI50	TGI	LC50
	Time Zero	Ctrl	-8.0	-7.0	-6.0	-5.0	-4.0	-8.0	-7.0	-6.0	-5.0	-4.0			
Leukemia															
CCRF-CEM	0.860	3.108	3.101	3.050	2.583	0.780	0.706	100	97	77	-9	-18	2.04E-6	7.78E-6	> 1.00E-4
K-562	0.239	1.548	1.451	1.305	1.339	0.252	0.218	93	81	84	1	-9	2.57E-6	1.26E-5	> 1.00E-4
MOLT-4	0.957	2.547	2.679	1.545	0.555	0.619	0.599	108	37	-42	-35	-37	6.57E-8	2.94E-7	> 1.00E-4
RPMI-8226	0.795	2.224	2.320	2.268	2.340	0.461	0.411	107	103	108	-42	-48	2.44E-6	5.25E-6	> 1.00E-4
SR	0.720	1.799	1.788	1.713	1.705	0.555	0.461	99	92	91	-23	-36	2.30E-6	6.30E-6	> 1.00E-4
Non-Small Cell Lung Cancer															
A549/ATCC	0.641	2.060	1.996	1.998	2.020	0.560	0.504	95	96	97	-13	-21	2.69E-6	7.66E-6	> 1.00E-4
HOP-62	0.558	1.755	1.775	1.868	1.767	0.514	0.269	102	109	101	-8	-52	2.94E-6	8.46E-6	9.06E-5
NCI-H226	1.176	2.650	2.402	2.493	2.490	1.020	0.803	83	89	89	-13	-32	2.41E-6	7.42E-6	> 1.00E-4
NCI-H23	1.219	3.007	2.993	2.991	2.955	1.024	0.791	99	99	97	-16	-35	2.61E-6	7.21E-6	> 1.00E-4
NCI-H322M	0.699	1.538	1.469	1.552	1.459	0.857	0.661	92	102	91	19	-6	3.68E-6	5.94E-5	> 1.00E-4
NCI-H460	0.440	3.219	3.240	3.238	3.117	0.285	0.251	101	101	96	-35	-43	2.25E-6	5.39E-6	> 1.00E-4
NCI-H522	1.167	2.050	1.958	2.065	2.091	0.758	0.587	89	102	105	-35	-50	2.46E-6	5.61E-6	> 1.00E-4
Colon Cancer															
COLO 205	0.526	1.960	2.043	2.027	2.035	0.609	0.374	106	105	105	6	-29	3.59E-6	1.47E-5	> 1.00E-4
HCC-2998	0.894	2.583	2.573	2.698	2.727	1.256	0.728	99	107	109	21	-19	4.70E-6	3.43E-5	> 1.00E-4
HCT-116	0.207	1.619	1.601	1.690	1.658	0.015	0.005	99	105	103	-93	-98	1.86E-6	3.35E-6	6.03E-6
HCT-15	0.301	2.301	2.213	2.099	2.185	0.570	0.324	96	90	94	13	1	3.52E-6	> 1.00E-4	> 1.00E-4
HT29	0.407	1.773	1.759	1.865	1.843	0.392	0.299	99	107	105	-4	-27	3.21E-6	9.25E-6	> 1.00E-4
KM12	0.434	2.238	2.257	2.298	2.244	0.373	0.259	101	103	100	-14	-40	2.75E-6	7.52E-6	> 1.00E-4
SW-620	0.292	2.010	1.991	1.992	2.014	0.450	0.237	99	99	100	9	-19	3.56E-6	2.12E-5	> 1.00E-4
CNS Cancer															
SF-268	0.648	2.036	2.033	2.060	2.071	0.846	0.647	100	102	103	14	.	3.94E-6	9.76E-5	> 1.00E-4
SF-295	0.762	2.542	2.444	2.423	2.159	0.286	0.258	94	93	78	-63	-66	1.59E-6	3.60E-6	8.15E-6
SF-539	0.813	2.535	2.526	2.416	2.483	0.390	0.201	100	93	97	-52	-75	2.07E-6	4.47E-6	9.68E-6
SNB-19	0.947	2.340	2.320	2.240	2.428	1.310	1.160	99	93	106	26	15	5.03E-6	> 1.00E-4	> 1.00E-4
SNB-75	0.876	1.631	1.512	1.438	1.452	0.855	0.643	84	74	76	-2	-27	2.16E-6	9.32E-6	> 1.00E-4
U251	0.507	1.795	1.667	1.616	1.708	0.431	0.253	90	86	93	-15	-50	2.51E-6	7.26E-6	9.94E-5
Melanoma															
MALME-3M	0.758	1.619	1.470	1.496	1.416	0.731	0.390	83	86	76	-4	-49	2.14E-6	9.02E-6	> 1.00E-4
M14	0.557	1.875	1.926	1.958	1.817	0.413	0.295	104	106	96	-26	-47	2.37E-6	6.12E-6	> 1.00E-4
MDA-MB-435	0.686	2.589	2.552	2.586	2.551	0.583	0.440	98	100	98	-15	-36	2.66E-6	7.36E-6	> 1.00E-4
SK-MEL-28	0.612	1.388	1.386	1.330	1.346	0.747	0.504	100	92	95	17	-18	3.78E-6	3.13E-5	> 1.00E-4
SK-MEL-5	0.692	2.901	2.685	2.797	2.642	0.297	0.159	90	95	88	-57	-77	1.83E-6	4.05E-6	8.94E-6
UACC-257	1.029	1.803	1.758	1.727	1.733	0.925	0.760	94	90	91	-10	-26	2.54E-6	7.94E-6	> 1.00E-4
UACC-62	0.782	2.350	2.321	2.275	2.301	0.206	0.166	98	95	97	-74	-79	1.88E-6	3.70E-6	7.26E-6
Ovarian Cancer															
IGROV1	0.849	2.203	2.009	2.149	2.213	0.532	0.481	86	96	101	-37	-43	2.33E-6	5.36E-6	> 1.00E-4
OVCAR-3	0.533	1.504	1.574	1.575	1.571	0.363	0.251	107	107	107	-32	-53	2.57E-6	5.88E-6	7.20E-5
OVCAR-4	0.741	1.296	1.283	1.272	1.280	0.807	0.668	98	96	97	12	-10	3.57E-6	3.50E-5	> 1.00E-4
OVCAR-5	0.447	1.270	1.253	1.198	1.207	0.592	0.412	98	91	92	18	-8	3.68E-6	4.92E-5	> 1.00E-4
OVCAR-8	0.613	2.295	2.260	2.215	2.259	0.841	0.758	98	95	98	14	9	3.70E-6	> 1.00E-4	> 1.00E-4
NCI/ADR-RES	0.703	2.176	2.207	2.303	2.316	1.215	0.829	102	109	110	35	9	6.25E-6	> 1.00E-4	> 1.00E-4
SK-OV-3	0.812	1.491	1.612	1.610	1.596	0.772	0.438	118	117	115	-5	-46	3.50E-6	9.10E-6	> 1.00E-4
Renal Cancer															
786-0	0.872	2.823	2.782	2.802	2.844	0.914	0.471	98	99	101	2	-46	3.28E-6	1.11E-5	> 1.00E-4
A498	1.633	2.485	2.328	2.297	2.353	1.192	0.870	82	78	85	-27	-47	2.04E-6	5.72E-6	> 1.00E-4
ACHN	0.340	1.621	1.642	1.604	1.575	0.488	0.304	102	99	96	12	-11	3.52E-6	3.29E-5	> 1.00E-4
CAKI-1	0.640	2.417	2.371	2.412	2.380	0.559	0.472	97	100	98	-13	-26	2.71E-6	7.67E-6	> 1.00E-4
RXF 393	0.960	1.601	1.475	1.528	1.489	0.919	0.706	80	89	83	-4	-27	2.37E-6	8.93E-6	> 1.00E-4
SN12C	0.684	2.446	2.388	2.388	2.341	0.794	0.634	97	97	94	6	-7	3.17E-6	2.88E-5	> 1.00E-4
TK-10	0.938	1.588	1.575	1.576	1.632	0.972	0.717	98	98	107	5	-24	3.62E-6	1.51E-5	> 1.00E-4
UO-31	0.736	2.061	1.833	2.015	1.911	0.813	0.538	83	96	89	6	-27	2.93E-6	1.51E-5	> 1.00E-4
Prostate Cancer															
PC-3	0.570	1.569	1.545	1.480	1.495	0.668	0.504	98	91	93	10	-12	3.27E-6	2.85E-5	> 1.00E-4
DU-145	0.456	1.636	1.725	1.747	1.706	0.503	0.335	107	109	106	4	-27	3.53E-6	1.35E-5	> 1.00E-4
Breast Cancer															
MCF7	0.300	1.218	1.168	1.127	1.172	0.308	0.262	95	90	95	1	-13	3.01E-6	1.16E-5	> 1.00E-4
MDA-MB-231/ATCC	0.766	1.523	1.577	1.517	1.541	0.392	0.340	107	99	102	-49	-56	2.22E-6	4.75E-6	1.46E-5
HS 578T	1.168	2.099	2.041	2.021	2.092	1.186	0.994	94	92	99	2	-15	3.21E-6	1.30E-5	> 1.00E-4
BT-549	1.203	2.330	2.348	2.333	2.309	1.216	0.610	102	100	98	1	-49	3.13E-6	1.05E-5	> 1.00E-4
T-47D	0.726	1.670	1.673	1.668	1.705	0.941	0.756	100	100	104	23	3	4.61E-6	> 1.00E-4	> 1.00E-4
MDA-MB-468	0.600	1.244	1.174	1.217	1.164	0.657	0.471	89	96	87	9	-22	3.00E-6	1.95E-5	> 1.00E-4

Mean Graphs

Report Date :November 18, 2013

Test Date :March 18, 2013

Panel/Cell Line	Log ₁₀ GI50	GI50	Log ₁₀ TGI	TGI	Log ₁₀ LC50	LC50
Leukemia						
CCRF-CEM	-5.69		-5.11		> -4.00	
K-562	-5.59		-4.90		> -4.00	
MOLT-4	-7.18		-6.53		> -4.00	
RPMI-8226	-5.61		-5.28		> -4.00	
SR	-5.64		-5.20		> -4.00	
Non-Small Cell Lung Cancer						
A549/ATCC	-5.57		-5.12		> -4.00	
HOP-62	-5.53		-5.07		> -4.04	
NCI-H226	-5.62		-5.13		> -4.00	
NCI-H23	-5.58		-5.14		> -4.00	
NCI-H322M	-5.43		-4.23		> -4.00	
NCI-H460	-5.65		-5.27		> -4.00	
NCI-H522	-5.61		-5.25		> -4.00	
Colon Cancer						
COLO 205	-5.44		-4.83		> -4.00	
HCC-2998	-5.33		-4.47		> -4.00	
HCT-116	-5.73		-5.48		> -5.22	
HCT-15	-5.45		> -4.00		> -4.00	
HT29	-5.49		-5.03		> -4.00	
KM12	-5.56		-5.12		> -4.00	
SW-620	-5.45		-4.67		> -4.00	
CNS Cancer						
SF-268	-5.41		-4.01		> -4.00	
SF-295	-5.80		-5.44		> -5.09	
SF-539	-5.68		-5.35		> -5.01	
SNB-19	-5.30		> -4.00		> -4.00	
SNB-75	-5.67		-5.03		> -4.00	
U251	-5.60		-5.14		> -4.00	
Melanoma						
MALME-3M	-5.67		-5.04		> -4.00	
M14	-5.62		-5.21		> -4.00	
MDA-MB-435	-5.58		-5.13		> -4.00	
SK-MEL-28	-5.42		-4.50		> -4.00	
SK-MEL-5	-5.74		-5.39		> -5.05	
UACC-257	-5.59		-5.10		> -4.00	
UACC-62	-5.73		-5.43		> -5.14	
Ovarian Cancer						
IGROV1	-5.63		-5.27		> -4.00	
OVCAR-3	-5.59		-5.23		> -4.14	
OVCAR-4	-5.45		-4.46		> -4.00	
OVCAR-5	-5.43		-4.31		> -4.00	
OVCAR-8	-5.43		> -4.00		> -4.00	
NCI/ADR-RES	-5.20		> -4.00		> -4.00	
SK-OV-3	-5.46		-5.04		> -4.00	
Renal Cancer						
786-0	-5.48		-4.96		> -4.00	
A498	-5.69		-5.24		> -4.00	
ACHN	-5.45		-4.48		> -4.00	
CAKI-1	-5.57		-5.12		> -4.00	
RXF 393	-5.63		-5.05		> -4.00	
SN12C	-5.50		-4.54		> -4.00	
TK-10	-5.44		-4.82		> -4.00	
UO-31	-5.53		-4.82		> -4.00	
Prostate Cancer						
PC-3	-5.49		-4.54		> -4.00	
DU-145	-5.45		-4.87		> -4.00	
Breast Cancer						
MCF7	-5.52		-4.94		> -4.00	
MDA-MB-231/ATCC	-5.65		-5.32		> -4.84	
HS 578T	-5.49		-4.89		> -4.00	
BT-549	-5.50		-4.98		> -4.00	
T-47D	-5.34		> -4.00		> -4.00	
MDA-MB-468	-5.52		-4.71		> -4.00	

MID
Delta
Range

-5.57
1.61
1.98

-4.91
1.62
2.53

-4.12
1.1
1.22

