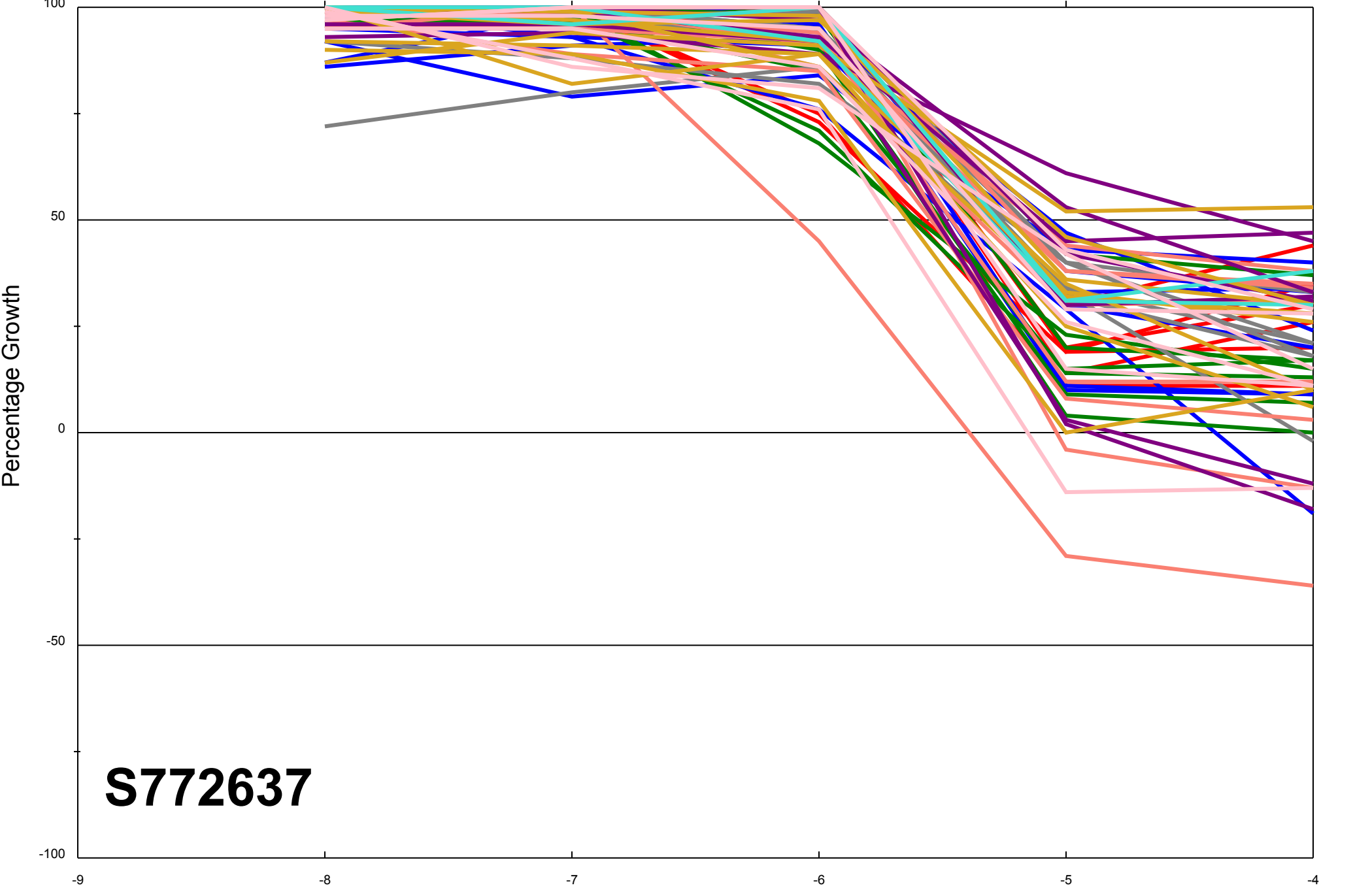


Dose Response Curves

Report Date:December 09, 2013

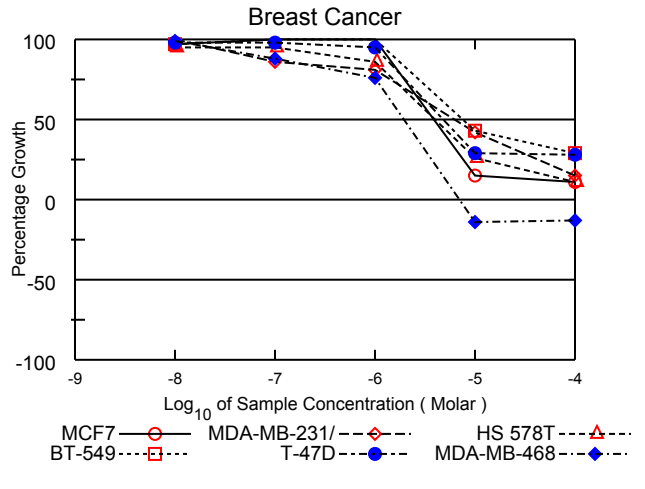
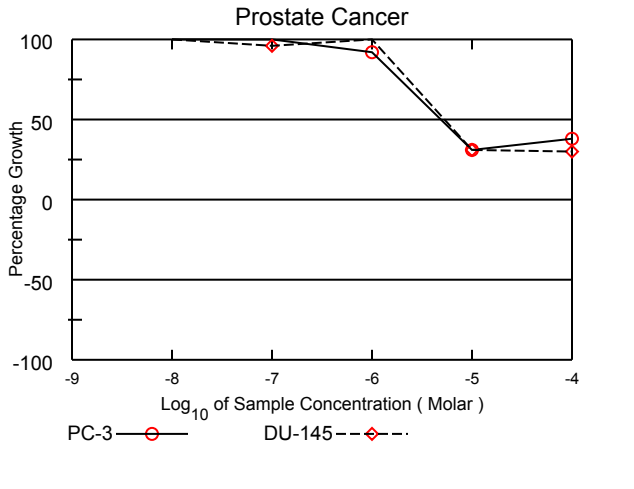
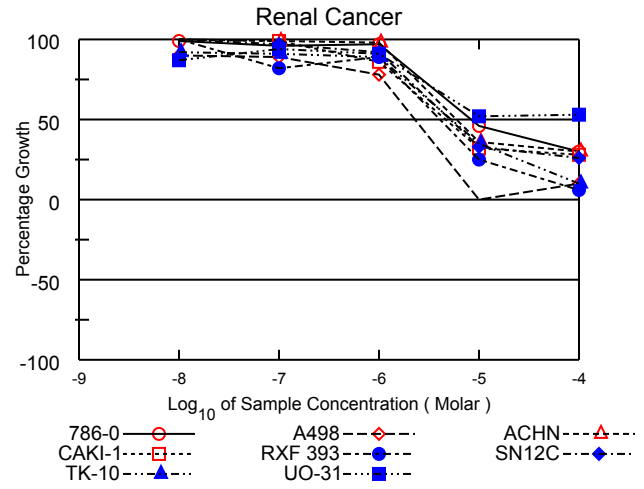
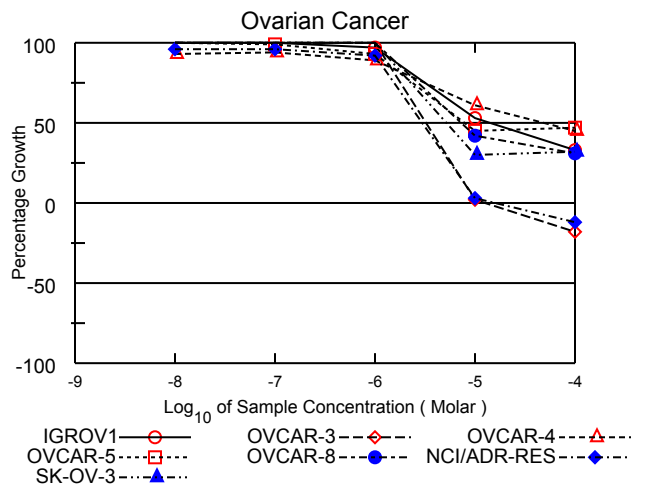
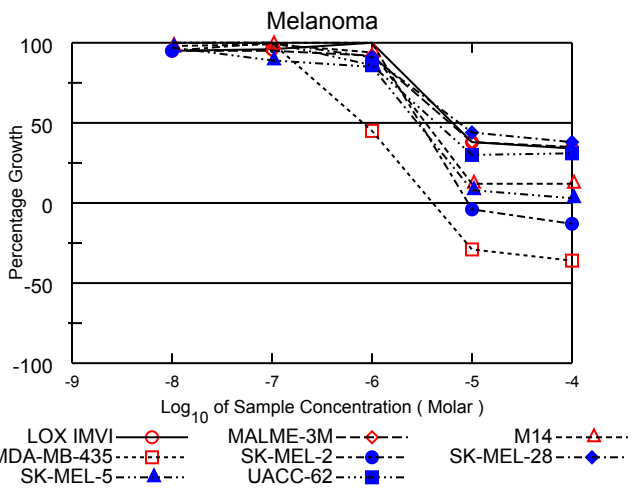
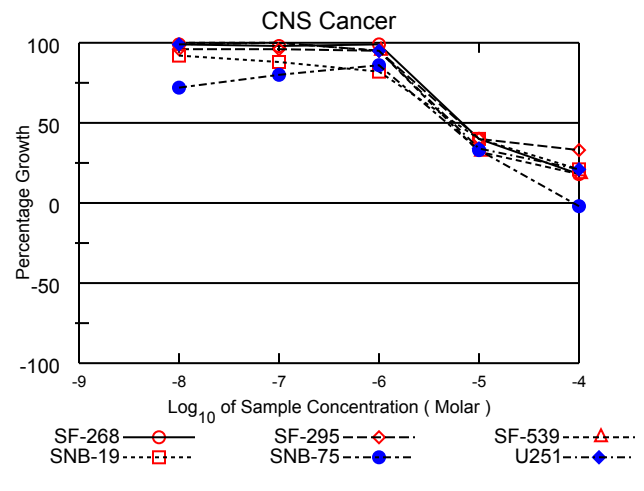
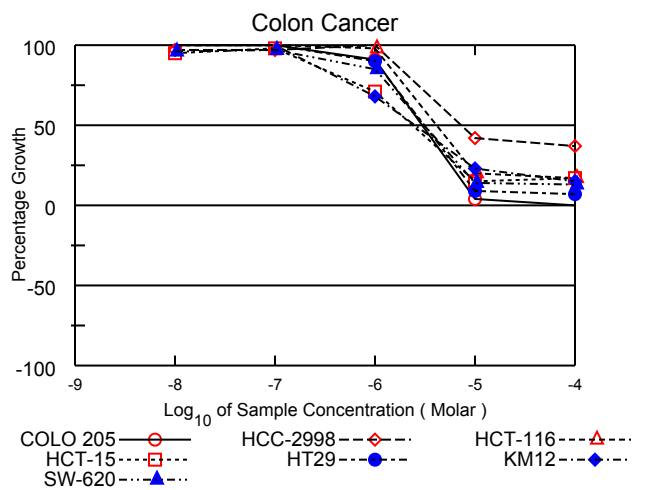
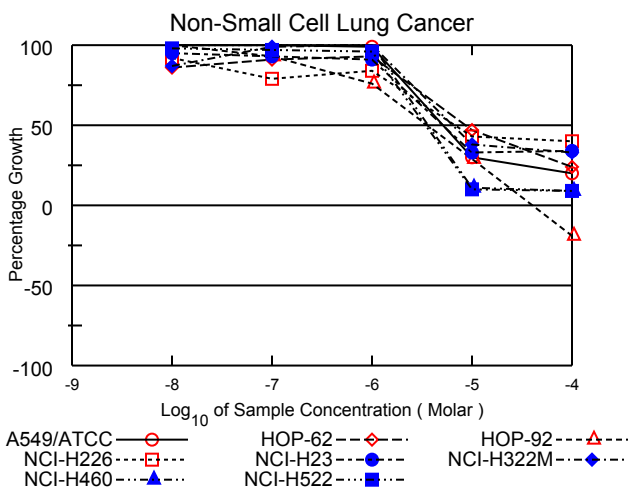
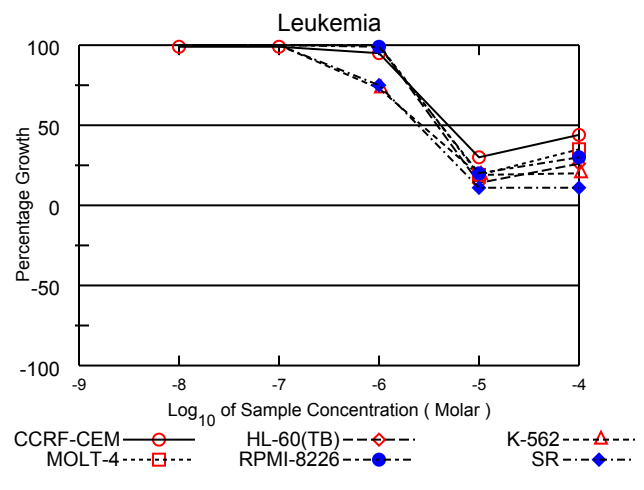
Test Date:May 20, 2013

All Cell Lines



S772637

Log₁₀ of Sample Concentration (Molar)



National Cancer Institute Developmental Therapeutics Program In-Vitro Testing Results

NSC : 772637 / 1	Experiment ID : 1305NS92	Test Type : 08	Units : Molar
Report Date : December 09, 2013	Test Date : May 20, 2013	QNS :	MC :
COMI : A4550/0194742 (125674)	Stain Reagent : SRB Dual-Pass Related	SSPL : 0YAR	

Panel/Cell Line	Log10 Concentration												GI50	TGI	LC50	
	Time Zero	Mean Optical Densities						Percent Growth								
		Ctrl	-8.0	-7.0	-6.0	-5.0	-4.0	-8.0	-7.0	-6.0	-5.0	-4.0				
Leukemia																
CCRF-CEM	0.645	2.552	2.531	2.540	2.460	1.211	1.481	99	99	95	30	44	4.89E-6	> 1.00E-4	> 1.00E-4	
HL-60(TB)	0.952	2.763	2.869	2.976	2.942	1.206	1.427	106	112	110	14	26	4.21E-6	> 1.00E-4	> 1.00E-4	
K-562	0.196	1.109	1.164	1.213	0.861	0.369	0.382	106	111	73	19	20	2.65E-6	> 1.00E-4	> 1.00E-4	
MOLT-4	0.598	2.024	2.132	2.198	2.329	0.872	1.090	108	112	121	19	35	5.00E-6	> 1.00E-4	> 1.00E-4	
RPMI-8226	1.212	2.785	2.891	2.872	2.768	1.529	1.692	107	106	99	20	30	4.18E-6	> 1.00E-4	> 1.00E-4	
SR	0.640	1.804	1.904	1.947	1.513	0.763	0.771	109	112	75	11	11	2.44E-6	> 1.00E-4	> 1.00E-4	
Non-Small Cell Lung Cancer																
A549/ATCC	0.383	1.989	2.018	2.001	1.976	0.868	0.708	102	101	99	30	20	5.16E-6	> 1.00E-4	> 1.00E-4	
HOP-62	0.694	1.576	1.448	1.501	1.517	1.112	0.902	86	91	93	47	24	8.79E-6	> 1.00E-4	> 1.00E-4	
HOP-92	1.344	1.839	1.837	1.807	1.720	1.488	1.094	100	93	76	29	-19	3.57E-6	4.06E-5	> 1.00E-4	
NCI-H226	1.086	1.856	1.798	1.697	1.735	1.417	1.398	92	79	84	43	40	6.74E-6	> 1.00E-4	> 1.00E-4	
NCI-H23	0.839	2.407	2.328	2.300	2.258	1.351	1.365	95	93	91	33	34	5.02E-6	> 1.00E-4	> 1.00E-4	
NCI-H322M	0.824	2.127	1.959	2.119	2.138	1.318	1.258	87	99	101	38	33	6.42E-6	> 1.00E-4	> 1.00E-4	
NCI-H460	0.361	3.189	3.226	3.260	3.190	0.661	0.625	101	102	100	11	9	3.63E-6	> 1.00E-4	> 1.00E-4	
NCI-H522	0.699	1.801	1.784	1.773	1.753	0.805	0.795	98	97	96	10	9	3.39E-6	> 1.00E-4	> 1.00E-4	
Colon Cancer																
COLO 205	0.601	2.837	2.849	2.914	2.633	0.687	0.601	101	103	91	4	.	2.95E-6	> 1.00E-4	> 1.00E-4	
HCC-2998	0.936	3.069	2.996	3.008	3.078	1.822	1.716	97	97	100	42	37	7.18E-6	> 1.00E-4	> 1.00E-4	
HCT-116	0.214	1.606	1.600	1.639	1.579	0.495	0.448	100	102	98	20	17	4.14E-6	> 1.00E-4	> 1.00E-4	
HCT-15	0.373	2.220	2.124	2.176	1.691	0.657	0.696	95	98	71	15	17	2.41E-6	> 1.00E-4	> 1.00E-4	
HT29	0.298	1.626	1.672	1.648	1.494	0.416	0.387	103	102	90	9	7	3.11E-6	> 1.00E-4	> 1.00E-4	
KM12	0.699	2.724	2.828	2.817	2.068	1.164	0.997	105	105	68	23	15	2.48E-6	> 1.00E-4	> 1.00E-4	
SW-620	0.304	1.927	1.863	1.878	1.676	0.529	0.508	96	97	85	14	13	3.08E-6	> 1.00E-4	> 1.00E-4	
CNS Cancer																
SF-268	0.543	1.772	1.756	1.750	1.760	1.040	0.764	99	98	99	40	18	6.86E-6	> 1.00E-4	> 1.00E-4	
SF-295	0.971	2.939	2.861	2.868	2.839	1.768	1.622	96	96	95	40	33	6.68E-6	> 1.00E-4	> 1.00E-4	
SF-539	1.018	2.766	2.776	2.785	2.679	1.579	1.337	101	101	95	32	18	5.19E-6	> 1.00E-4	> 1.00E-4	
SNB-19	0.728	2.356	2.225	2.156	2.068	1.386	1.071	92	88	82	40	21	5.91E-6	> 1.00E-4	> 1.00E-4	
SNB-75	0.899	1.724	1.496	1.556	1.607	1.172	0.879	72	80	86	33	-2	4.78E-6	8.62E-5	> 1.00E-4	
U251	0.749	2.613	2.593	2.604	2.524	1.392	1.147	99	100	95	34	21	5.55E-6	> 1.00E-4	> 1.00E-4	
Melanoma																
LOX IMVI	0.374	2.351	2.251	2.269	2.357	1.134	1.043	95	96	100	38	34	6.50E-6	> 1.00E-4	> 1.00E-4	
MALME-3M	0.712	1.356	1.327	1.322	1.307	0.959	0.940	95	95	92	38	35	6.08E-6	> 1.00E-4	> 1.00E-4	
M14	0.497	1.778	1.750	1.766	1.706	0.648	0.646	98	99	94	12	12	3.44E-6	> 1.00E-4	> 1.00E-4	
MDA-MB-435	0.622	2.572	2.611	2.575	1.509	0.441	0.400	102	100	45	-29	-36	8.27E-7	4.07E-6	> 1.00E-4	
SK-MEL-2	0.987	2.031	1.981	2.148	2.118	0.946	0.862	95	111	108	-4	-13	3.30E-6	9.18E-6	> 1.00E-4	
SK-MEL-28	0.500	1.528	1.527	1.587	1.433	0.950	0.894	100	106	91	44	38	7.37E-6	> 1.00E-4	> 1.00E-4	
SK-MEL-5	0.836	2.638	2.578	2.436	2.360	0.973	0.895	97	89	85	8	3	2.81E-6	> 1.00E-4	> 1.00E-4	
UACC-62	0.981	2.857	2.896	2.851	2.592	1.538	1.570	102	100	86	30	31	4.35E-6	> 1.00E-4	> 1.00E-4	
Ovarian Cancer																
IGROV1	0.521	1.474	1.478	1.516	1.449	1.024	0.831	100	104	97	53	33	1.38E-5	> 1.00E-4	> 1.00E-4	
OVCAR-3	0.855	2.233	2.244	2.261	2.267	0.880	0.701	101	102	102	2	-18	3.32E-6	1.23E-5	> 1.00E-4	
OVCAR-4	0.622	1.379	1.329	1.333	1.299	1.087	0.964	93	94	89	61	45	5.02E-5	> 1.00E-4	> 1.00E-4	
OVCAR-5	0.688	1.534	1.544	1.526	1.473	1.069	1.086	101	99	93	45	47	7.86E-6	> 1.00E-4	> 1.00E-4	
OVCAR-8	0.526	2.245	2.396	2.357	2.370	1.248	1.056	109	107	107	42	31	7.54E-6	> 1.00E-4	> 1.00E-4	
NCI/ADR-RES	0.735	2.317	2.257	2.255	2.185	0.789	0.649	96	96	92	3	-12	2.96E-6	1.67E-5	> 1.00E-4	
SK-OV-3	0.731	2.096	2.093	2.132	2.112	1.146	1.172	100	103	101	30	32	5.28E-6	> 1.00E-4	> 1.00E-4	
Renal Cancer																
786-0	0.831	2.665	2.645	2.601	2.606	1.669	1.378	99	96	97	46	30	8.22E-6	> 1.00E-4	> 1.00E-4	
A498	1.638	2.504	2.419	2.412	2.314	1.637	1.721	90	89	78	.	10	2.29E-6	.	> 1.00E-4	
ACHN	0.370	1.423	1.424	1.414	1.401	0.749	0.689	100	99	98	36	30	5.95E-6	> 1.00E-4	> 1.00E-4	
CAKI-1	0.957	2.719	2.720	2.708	2.475	1.527	1.456	100	99	86	32	28	4.69E-6	> 1.00E-4	> 1.00E-4	
RXF 393	0.937	1.781	1.780	1.630	1.688	1.146	0.991	100	82	89	25	6	4.04E-6	> 1.00E-4	> 1.00E-4	
SN12C	0.609	2.569	2.601	2.515	2.413	1.262	1.125	102	97	92	33	26	5.20E-6	> 1.00E-4	> 1.00E-4	
TK-10	0.710	1.493	1.428	1.424	1.404	0.984	0.785	92	91	89	35	10	5.26E-6	> 1.00E-4	> 1.00E-4	
UO-31	0.749	2.109	1.932	2.034	1.991	1.451	1.474	87	94	91	52	53	> 1.00E-4	> 1.00E-4	> 1.00E-4	
Prostate Cancer																
PC-3	0.575	2.174	2.206	2.243	2.054	1.074	1.177	102	104	92	31	38	4.93E-6	> 1.00E-4	> 1.00E-4	
DU-145	0.418	1.649	1.663	1.606	1.657	0.796	0.783	101	96	101	31	30	5.29E-6	> 1.00E-4	> 1.00E-4	
Breast Cancer																
MCF7	0.260	1.844	1.793	1.867	1.852	0.496	0.442	97	101	101	15	11	3.89E-6	> 1.00E-4	> 1.00E-4	
MDA-MB-231/ATCC	0.760	1.940	1.992	1.775	1.715	1.260	0.940	104	86	81	42	15	6.34E-6	> 1.00E-4	> 1.00E-4	
HS 578T	1.209	2.216	2.163	2.163	2.076	1.467	1.321	95	95	86	26	11	3.95E-6	> 1.00E-4	> 1.00E-4	
BT-549	0.984	2.033	2.003	2.080	2.085	1.438	1.285	97	104	105	43	29	7.77E-6	> 1.00E-4	> 1.00E-4	
T-47D	0.661	1.620	1.597	1.601	1.575	0.938	0.926	98	98	95	29	28	4.81E-6	> 1.00E-4	> 1.00E-4	
MDA-MB-468	0.972	1.970	1.956	1.846	1.729	0.836	0.842	99	88	76	-14	-13	1.94E-6	6.98E-6	> 1.00E-4	

Mean Graphs

Report Date :December 09, 2013

Test Date :May 20, 2013

Panel/Cell Line	Log ₁₀ GI50	GI50	Log ₁₀ TGI	TGI	Log ₁₀ LC50	LC50
Leukemia						
CCRF-CEM	-5.31		> -4.00		> -4.00	
HL-60(TB)	-5.38		> -4.00		> -4.00	
K-562	-5.58		> -4.00		> -4.00	
MOLT-4	-5.30		> -4.00		> -4.00	
RPMI-8226	-5.38		> -4.00		> -4.00	
SR	-5.61		> -4.00		> -4.00	
Non-Small Cell Lung Cancer						
A549/ATCC	-5.29		> -4.00		> -4.00	
HOP-62	-5.06		> -4.00		> -4.00	
HOP-92	-5.45		> -4.39		> -4.00	
NCI-H226	-5.17		> -4.00		> -4.00	
NCI-H23	-5.30		> -4.00		> -4.00	
NCI-H322M	-5.19		> -4.00		> -4.00	
NCI-H460	-5.44		> -4.00		> -4.00	
NCI-H522	-5.47		> -4.00		> -4.00	
Colon Cancer						
COLO 205	-5.53		> -4.00		> -4.00	
HCC-2998	-5.14		> -4.00		> -4.00	
HCT-116	-5.38		> -4.00		> -4.00	
HCT-15	-5.62		> -4.00		> -4.00	
HT29	-5.51		> -4.00		> -4.00	
KM12	-5.61		> -4.00		> -4.00	
SW-620	-5.51		> -4.00		> -4.00	
CNS Cancer						
SF-268	-5.16		> -4.00		> -4.00	
SF-295	-5.18		> -4.00		> -4.00	
SF-539	-5.28		> -4.00		> -4.00	
SNB-19	-5.23		> -4.00		> -4.00	
SNB-75	-5.32		> -4.06		> -4.00	
U251	-5.26		> -4.00		> -4.00	
Melanoma						
LOX IMV1	-5.19		> -4.00		> -4.00	
MALME-3M	-5.22		> -4.00		> -4.00	
M14	-5.46		> -4.00		> -4.00	
MDA-MB-435	-6.08		> -5.39		> -4.00	
SK-MEL-2	-5.48		> -5.04		> -4.00	
SK-MEL-28	-5.13		> -4.00		> -4.00	
SK-MEL-5	-5.55		> -4.00		> -4.00	
UACC-62	-5.36		> -4.00		> -4.00	
Ovarian Cancer						
IGROV1	-4.86		> -4.00		> -4.00	
OVCAR-3	-5.48		> -4.91		> -4.00	
OVCAR-4	-4.30		> -4.00		> -4.00	
OVCAR-5	-5.10		> -4.00		> -4.00	
OVCAR-8	-5.12		> -4.00		> -4.00	
NCI/ADR-RES	-5.53		> -4.78		> -4.00	
SK-OV-3	-5.28		> -4.00		> -4.00	
Renal Cancer						
786-0	-5.08		> -4.00		> -4.00	
A498	-5.64		> -4.00		> -4.00	
ACHN	-5.23		> -4.00		> -4.00	
CAKI-1	-5.33		> -4.00		> -4.00	
RXF 393	-5.39		> -4.00		> -4.00	
SN12C	-5.28		> -4.00		> -4.00	
TK-10	-5.28		> -4.00		> -4.00	
UO-31	> -4.00		> -4.00		> -4.00	
Prostate Cancer						
PC-3	-5.31		> -4.00		> -4.00	
DU-145	-5.28		> -4.00		> -4.00	
Breast Cancer						
MCF7	-5.41		> -4.00		> -4.00	
MDA-MB-231/ATCC	-5.20		> -4.00		> -4.00	
HS 578T	-5.40		> -4.00		> -4.00	
BT-549	-5.11		> -4.00		> -4.00	
T-47D	-5.32		> -4.00		> -4.00	
MDA-MB-468	-5.71		> -5.16		> -4.00	

MID -5.31
Delta 0.77
Range 2.08

-4.1
1.29
1.39

-4.0
0
0.0

