

Supplemental Data

Cytotoxic Metabolites from an Indonesian Sponge *Lendenfeldia* sp.

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Table S1. IC₅₀ Values (μM) of **1**, **3**, **4**, and **5** on HIF-1 Activation and Cell Proliferation/Viability in T47D Breast Tumor Cells.

compd	hypoxia-induced HIF-1 inhibition (pHRE-TK-Luc)	iron chelator-induced HIF-1 inhibition (pHRE-TK-Luc)	cell viability (hypoxia, 16 h)
1	4.3	5.1	19
3	6.9	4.5	8.4
4	0.64	0.5	3.3
5	3.5	2.4	6.7

Table S2. IC₅₀ Values (μM) of **1**, **3**, **4**, and **5** on Cell Proliferation/Viability in T47D and MDA-MB-231 Breast Tumor Cells (48 h, Neutral Red Method).

compd	T47D (hypoxia)	T47D (normoxia)	MDA-MB-231 (hypoxia)	MDA-MB-231 (normoxia)
1	8.3	8.7	7.0	6.0
3	7.2	6.8	8.3	8.5
4	1.9	1.4	1.5	1.4
5	5.3	4.7	5.4	4.9

Mean Graphs

S3. Compound 3

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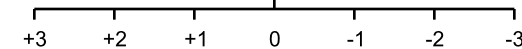
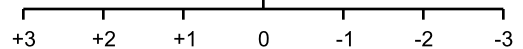
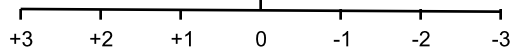
Panel/Cell Line	Log ₁₀ GI50	GI50	Log ₁₀ TGI	TGI	Log ₁₀ LC50	LC50
<hr/>						
Leukemia						
HL-60(TB)	-4.77		-4.38		> -4.00	
K-562	-4.56		-4.11		> -4.00	
MOLT-4	-4.86		-4.43		> -4.00	
RPMI-8226	-4.76		-4.30		> -4.00	
SR	-4.80		-4.39		> -4.00	
Non-Small Cell Lung Cancer						
A549/ATCC	-4.55		> -4.00		> -4.00	
EKVX	-4.59		> -4.00		> -4.00	
HOP-62	-4.79		-4.51		> -4.24	
HOP-92	-4.76		-4.34		> -4.00	
NCI-H226	-4.63		-4.15		> -4.00	
NCI-H23	-4.67		-4.14		> -4.00	
NCI-H322M	-4.35		> -4.00		> -4.00	
NCI-H460	-4.76		-4.43		-4.10	
NCI-H522	-4.75		-4.38		-4.01	
Colon Cancer						
COLO 205	-4.75		-4.42		-4.09	
HCC-2998	-4.67		-4.33		> -4.00	
HCT-116	-4.82		-4.55		-4.27	
HCT-15	-4.75		-4.48		-4.22	
HT29	-4.68		-4.28		> -4.00	
KM12	-4.45		> -4.00		> -4.00	
SW-620	-4.78		-4.49		-4.20	
CNS Cancer						
SF-268	-4.59		-4.17		> -4.00	
SF-295	-4.68		-4.23		> -4.00	
SF-539	-4.76		-4.47		-4.19	
SNB-19	-4.49		> -4.00		> -4.00	
SNB-75	-4.68		-4.35		-4.01	
U251	-4.73		-4.43		-4.13	
Melanoma						
LOX IMVI	-4.76		-4.51		-4.25	
MALME-3M	-4.64		-4.34		-4.04	
M14	-4.71		-4.43		-4.14	
SK-MEL-2	-4.59		-4.22		> -4.00	
SK-MEL-28	-4.74		-4.49		-4.23	
SK-MEL-5	-4.87		-4.57		-4.27	
UACC-257	-4.57		-4.07		> -4.00	
UACC-62	-4.87		-4.55		-4.22	
Ovarian Cancer						
IGROV1	-4.48		> -4.00		> -4.00	
OVCAR-3	-4.81		-4.51		-4.20	
OVCAR-4	-4.74		-4.13		> -4.00	
OVCAR-5	-4.61		-4.28		> -4.00	
OVCAR-8	-4.62		-4.16		> -4.00	
SK-OV-3	-4.45		> -4.00		> -4.00	
Renal Cancer						
786-0	-4.74		-4.44		-4.15	
A498	-4.61		-4.10		> -4.00	
ACHN	-4.73		-4.47		-4.21	
RXF 393	-4.83		-4.53		-4.23	
SN12C	-4.83		-4.39		> -4.00	
TK-10	-4.53		-4.15		> -4.00	
UO-31	-4.77		-4.46		-4.14	
Prostate Cancer						
PC-3	-4.71		-4.16		> -4.00	
DU-145	-4.72		-4.35		> -4.00	
Breast Cancer						
MCF7	-4.62		-4.14		> -4.00	
NCI/ADR-RES	-4.62		-4.24		> -4.00	
MDA-MB-231/ATCC	-4.77		-4.47		-4.16	
HS 578T	-4.72		-4.27		> -4.00	
MDA-MB-435	-4.70		-4.33		> -4.00	
BT-549	-4.72		-4.42		-4.11	
T-47D	-4.75		-4.05		> -4.00	

MID
Delta
Range

-4.69
0.18
0.52

-4.3
0.27
0.57

-4.07
0.2
0.27

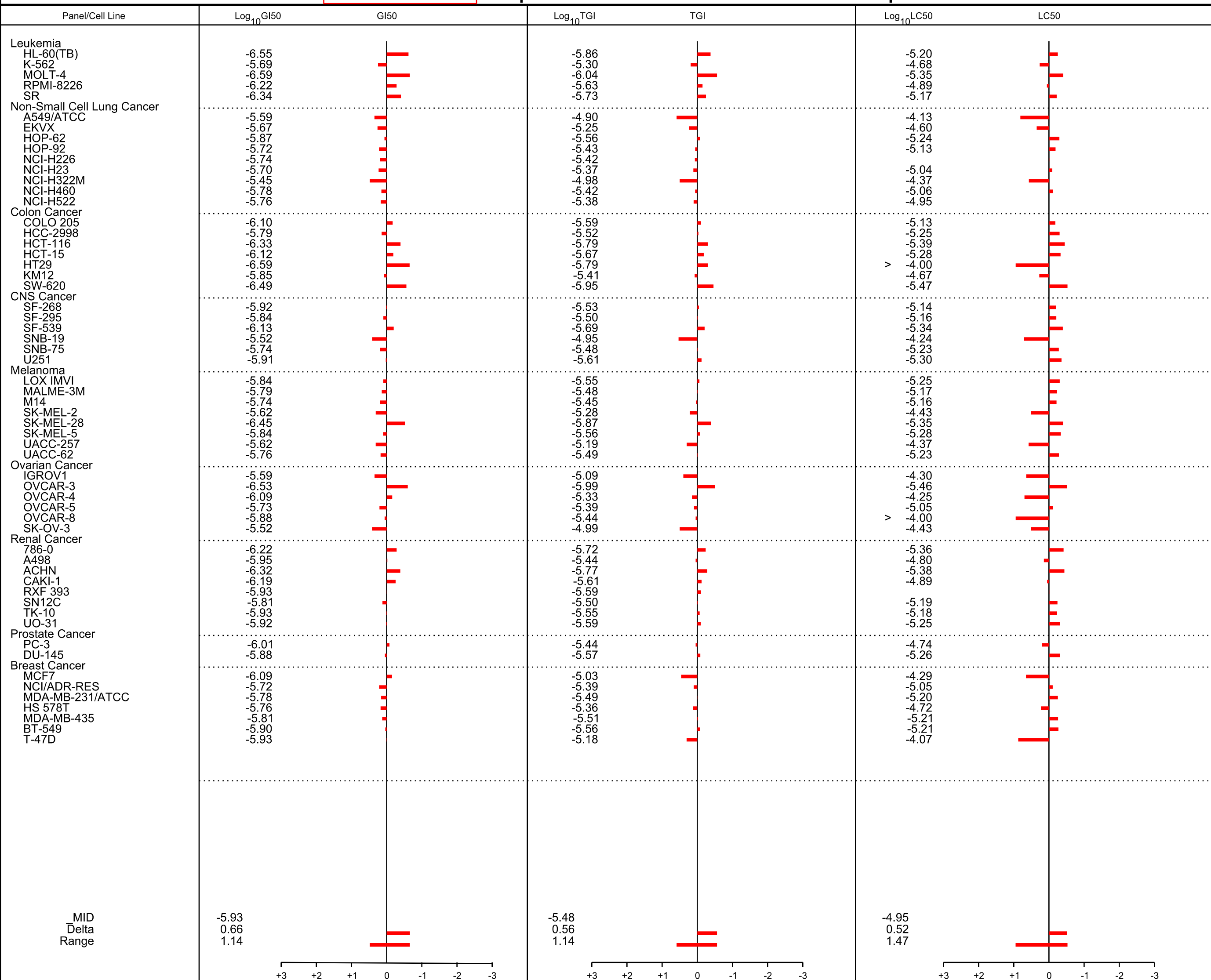


Mean Graphs

S4. Compound 4

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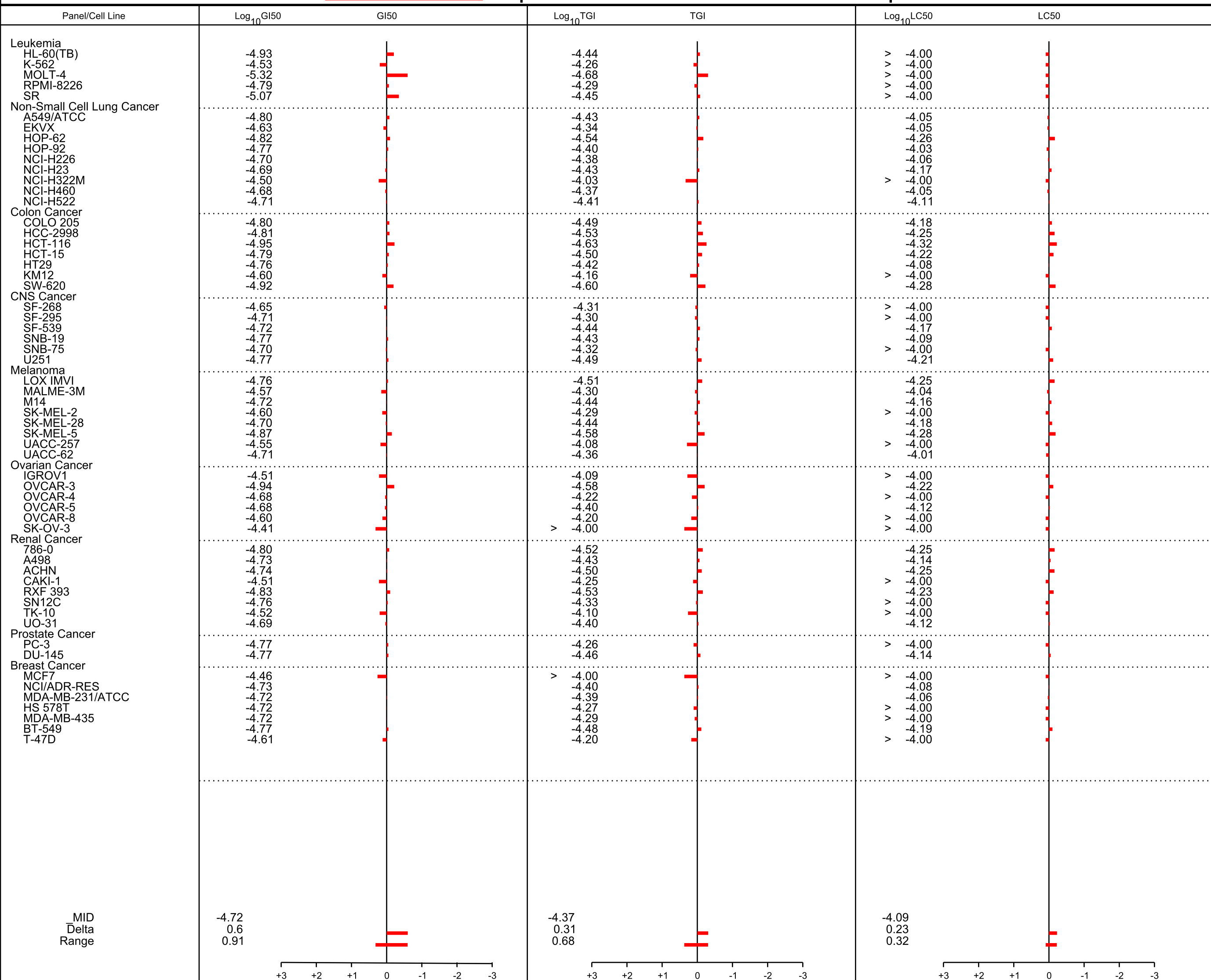


Mean Graphs

S5. Compound 5

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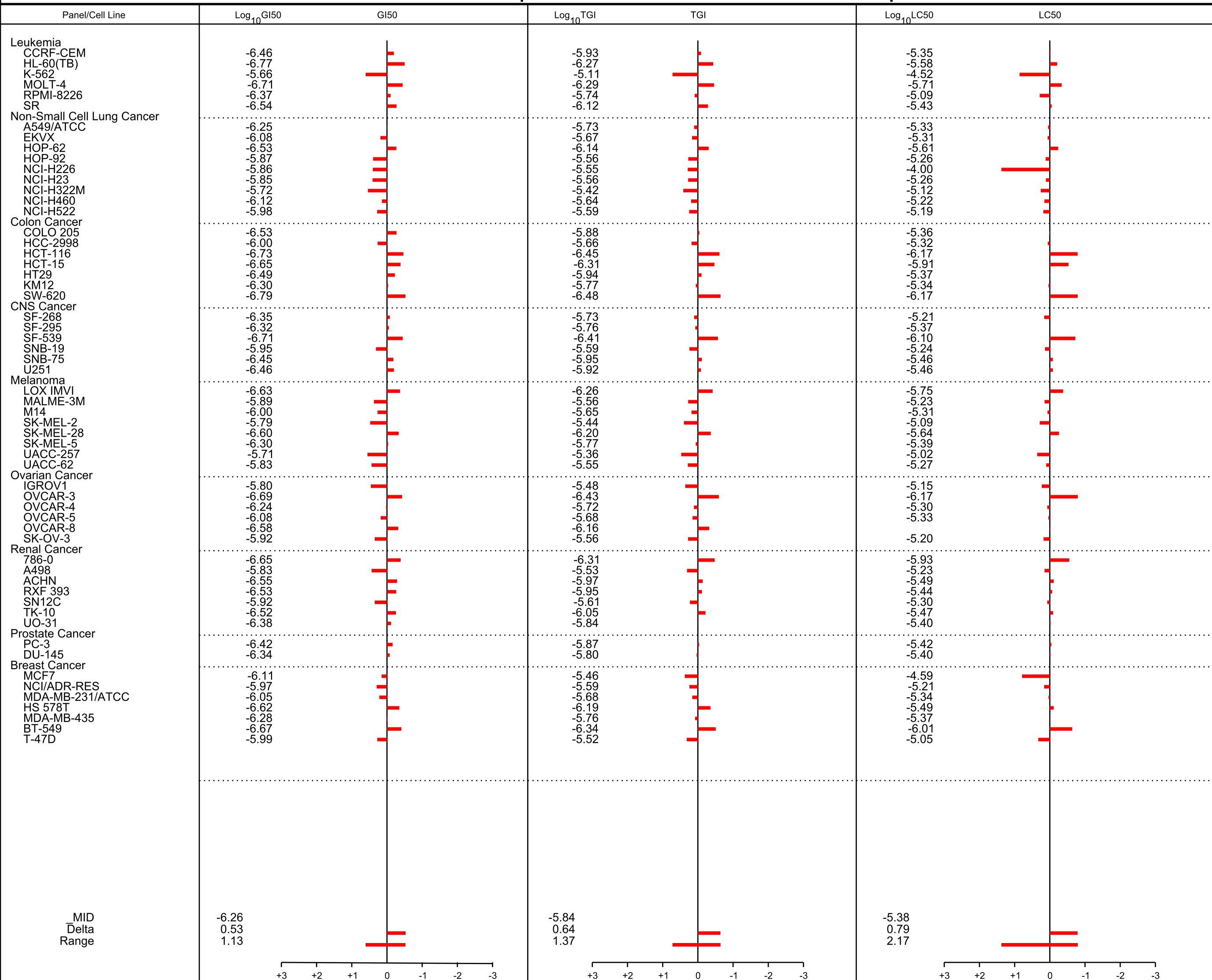


Mean Graphs

S6. Compound 6

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Mean Graphs

S7. Compound 7

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Test Date : June 19, 2006

