

**A**

Cell line	Type	IC50 ASNase [U/ml]	IC50 VCR [ $\mu$ M]	IC50 DNR [ $\mu$ M]
HPB-ALL	T-ALL	0.000192	0.049900	0.111165
REH	B-ALL	0.000231	0.000420	0.007571
RS4;11	B-ALL	0.000378	0.002049	0.004953
SUP-B15	B-ALL	0.000549	0.000428	0.004655
HB11;19	B-ALL	0.000677	0.002534	0.004509
TOM-1	B-ALL	0.158103	0.001601	0.003750
MOLT-4	T-ALL	0.175502	0.002784	0.052362
THP-1	AML	0.200475	0.001399	0.039269
NALM-6	B-ALL	0.328894	0.002578	0.013874
MV4-11	AML	0.336387	0.003011	0.017245
UOC-B6	B-ALL	0.355603	0.000450	0.014414
JURKAT	T-ALL	0.436766	0.002393	0.022205
KASUMI-1	AML	0.438479	0.002823	0.006661
CCRF-CEM	T-ALL	0.458528	0.003328	0.020190
MOLM-13	AML	0.557342	0.000418	0.002844
LAMA-84	CML in blast crisis (manifests as ALL)	0.611470	0.019001	0.109103
NB4	AML	0.639279	0.000424	0.005995
BV-173	CML in blast crisis (manifests as ALL)	0.654297	0.003051	0.023315
K-562	CML in blast crisis (manifests as AML)	0.715221	0.018563	0.048036

**B**

Type	Median			Mean $\pm$ SEM		
	IC50 ASNase [U/ml]	IC50 VCR [ $\mu$ M]	IC50 DNR [ $\mu$ M]	IC50 ASNase [U/ml]	IC50 VCR [ $\mu$ M]	IC50 DNR [ $\mu$ M]
B-ALL	0,000677	0,001601	0,004953	0,1206 $\pm$ 0,0613	0,001437 $\pm$ 0,000376	0,007675 $\pm$ 0,001731
T-ALL	0,306100	0,003056	0,037280	0,2677 $\pm$ 0,1099	0,014600 $\pm$ 0,011770	0,051480 $\pm$ 0,021210
AML	0,438500	0,001399	0,006661	0,4344 $\pm$ 0,0779	0,001615 $\pm$ 0,000562	0,014400 $\pm$ 0,006673