

Supplementary Table 1. CNDAC concentrations that reduce AML cell viability by 50% (IC_{50}), relative SAMHD1 protein levels, quantified using near-infrared Western blot images to determine the ratio SAMHD1/ GAPDH, and CNDAC-triphosphate levels determined by LC-MS/MS.

	IC_{50} CNDAC [nM]	rel. SAMHD1 protein level	CNDAC-TP [cps $\times 10^5$]
HEL	169 \pm 17	0.0096 \pm 0.0046	7.36 \pm 0.82
HL-60	15 \pm 3	0.0002 \pm 0.0002	7.17 \pm 0.73
KG-1	266 \pm 39	0.0143 \pm 0.0087	1.74 \pm 0.13
ML-2	298 \pm 27	0.1043 \pm 0.0470	0.35 \pm 0.04
MOLM-13	201 \pm 26	0.0989 \pm 0.0256	0.31 \pm 0.03
MONO-MAC-6	1524 \pm 179	0.9465 \pm 0.2152	0.44 \pm 0.07
MV4-11	565 \pm 30	0.5404 \pm 0.1500	0.00 \pm 0.00
NB4	122 \pm 11	0.0788 \pm 0.0151	0.57 \pm 0.03
OCI-AML-2	230 \pm 11	0.4212 \pm 0.0936	0.00 \pm 0.00
OCI-AML-3	331 \pm 39	0.3442 \pm 0.0897	0.20 \pm 0.02
PL-21	77 \pm 9	0.0004 \pm 0.0003	11.07 \pm 0.68
SIG-M5	351 \pm 2	0.2083 \pm 0.0330	0.09 \pm 0.07
THP-1	1598 \pm 177	1.0000 \pm 0.0000	0.00 \pm 0.00