	Ebselen		NSC-95397		U-73122		GNTI		Aurothioglucose	
	IC_{50}	K_i	IC_{50}	K_i	IC_{50}	K_i	IC_{50}	K_i	IC_{50}	K_i
HDAC1	1.5 ± 0.4	0.15	>180	N/A	38.4 ± 15.5	4.11	30.2 ± 7.3	3.24	4.4 ± 1.1	0.47
HDAC2	1.4 ± 0.3	0.08	>100	N/A	>100	N/A	26.2 ± 7.6	1.48	>180	N/A
HDAC3	2.1 ± 1.5	0.23	>100	N/A	6.2 ± 4.0	0.66	22.7 ± 3.1	2.43	11.5 ± 3.2	1.23
HDAC4	1.2 ± 0.2	0.20	7.2 ± 2.8	1.23	31.2 ± 0.2	5.33	13.4 ± 1.6	2.29	4.1 ± 2.1	0.7
HDAC5	0.78 ± 0.1	0.42	3.1 ± 0.2	1.68	10.5 ± 7.4	5.68	0.70 ± 0.1	0.38	0.72 ± 0.5	0.39
HDAC6	12.8 ± 2.6	3.10	12.7 ± 2.5	3.07	45.2 ± 12.6	10.96	>180	N/A	14.4 ± 5.8	3.49
HDAC7	10.9 ± 2.2	3.09	13.1 ± 4.3	3.72	>180	N/A	18.9 ± 1.0	5.36	22.4 ± 4.4	6.35
HDAC8	0.35 ± 0.2	0.11	1.3 ± 0.1	1.03	10.9 ± 3.1	8.63	2.0 ± 0.4	1.58	1.4 ± 0.3	1.11
HDAC9	0.97 ± 0.5	0.20	4.8 ± 1.4	2.04	29.8 ± 5.6	12.67	12.3 ± 1.7	5.23	2.8 ± 0.1	1.19
HDAC10	0.95 ± 0.4	0.42	14.5 ± 1.5	6.40	>100	N/A	>180	N/A	4.9 ± 1.5	2.16
HDAC11	22.5 ± 2.4	4.41	37.8 ± 1.4	7.41	>180	N/A	>180	N/A	>180	N/A

Table 1. HDAC inhibition IC_{50} and K_i for the five LOPAC hit compounds. The IC_{50} values lower than 100 µM were determined from at least two independent titrations (Supporting Information). The IC_{50} values were converted to K_i using Cheng-Prusoff equation assuming classical inhibitory mechanism.