

Supplemental Table 1

Epigenetic Screening Library. A. Small molecule inhibitors tested with the combination reporter virus system. All compounds were initially tested with an assigned identifier (left column) to remove result bias. Listed half-maximal inhibitory concentrations (IC₅₀) were compiled from previously published studies.

Identifier	Compound Name	Reported or predicted IC50s	Identifier	Compound Name	Reported or predicted IC50s
A2	3-Amino Benzamide	1.8 μM	E2	Sirtinol	38 (SIRT2) / 131 μM (SIRT1)
A3	Ellagic Acid	600-700 nM	E3	(-)-Neplanocin A	80 nM
A4	UNC0638	<15 nM	E4	Zebularine	IC20 = 5-20 μM
A5	Decitabine	438 nM	E5	AG-014699	N/A
A6	Lomeguatrib	3 nM	E6	GSK-J4 (HCl)	>50 μM
A7	Tenovin-6	21 μM (SIRT1) / 10 μM (SIRT2) / 67 μM (SIRT3)	E7	CAY10603	.002 nM - 7 μM
A8	M 344	46 nM	E8	Pimelic Diphenylamide 106	150 nM - 5 μM (HDAC 1) / 180 μM (HDAC II)
A9	2',3',5'-triacetyl-5-Azacytidine	200 nM	E9	3-Deazaneplanocin A	0.2-1 μM
A10	trans-Resveratrol	15 μM (peroxidase) / 3.7 μM (COX-1)	E10	CAY10398	10 μM
A11	CAY10591	20-60 μM	E11	1-Naphthoic Acid	N/A
B2	SB 939	77 nM	F2	C646	1.6 μM
B3	Suberoyldioxamic Acid	250-300 nM	F3	Cl-Amidine	5.9 μM
B4	Isoliquiritigenin	1.8 μM	F4	Delphinidin Chloride	30 μM
B5	(+)-JQ1	18-77 nM	F5	IOX1	1.7-20.5 μM
B6	Daminozide	500 nM - 2.1 μM	F6	GSK-J5 (HCl)	>100 μM
B7	Sodium Butyrate	300-400 nM	F7	Chaetocin	0.8-3 μM
B8	Oxamflatin	15.7 nM	F8	(S)-HDAC-42	N/A
B9	S-Adenosylhomocysteine	N/A	F9	N-Oxalylglycine	2.1-5.6 μM (PHD1/2)
B10	2,4-DPD	N/A	F10	2,4-Pyridinedicarboxylic Acid	1.5 μM
B11	EX-527	98 nM	F11	Nicotinamide	N/A
C2	PCI 34051	10 nM	G2	Tubastatin A (trifluoroacetate Salt)	15 nM (HDAC6)
C3	Apicidin	15.8 nM - 2 μM	G3	F-Amidine (trifluoroacetate Salt)	21.6 μM
C4	CCG-100602	9.8 μM	G4	PFI-1	98 nM (BRD2) / 0.22 μM (BRD4)
C5	(-)-JQ1	N/A	G5	MI-2 (HCl)	0.45 μM
C6	GSK-J1 (sodium salt)	60 nM - 56 μM	G6	Valproic Acid (Sodium Salt)	2 mM
C7	Anacardic Acid	5-8.5 μM	G7	Splitomicin	60 μM (SIR2p)
C8	Salermide	20 μM	G8	MS-275	300 nM (HDAC-1)
C9	UNC0224	15 nM	G9	AMI-1 (sodium salt)	3-8.8 μM
C10	DMOG	0.1-1 mM	G10	CAY10433	30 μM
C11	SAHA	50 nM	G11	Sinefungin	0.1-20 μM
D2	4-iodo-SAHA	~ 1 μM	H2	Garcinol	7 μM (p300) / 5 μM (PCAF)
D3	UNC0321 (trifluoroacetate salt)	6-9 nM	H3	JBG1741	N/A
D4	CAY10669	662 μM	H4	5-Azacytidine	.2μM
D5	BSI-201	40-128 μM	H5	MI-negative control(HCl)	193 μM
D6	GSK-J2	>100 μM	H6	Tenovin-1	10μM
D7	AGK2	3.5 μM	H7	CBHA	10-7 nM
D8	Mirin	66 μM	H8	RG-108	115 nM
D9	Chidamide	4 μM	H9	UNC1215	40 nM
D10	Trichostatin A	70 nM	H10	Piceatannol	25 μM
D11	2-PCPA (HCl)	20.7 μM	H11	Suramin (sodium salt)	4.9 μM