

No	compound name	Target	No	compound name	Target
1	PD-98059	MEK	42	ML-7	MLCK
2	U-0126	MEK	43	ML-9	MLCK
3	SB-203580	p38 MAPK PKA, PKG, MLCK, and PKC.	44	2-Aminopurine N9-Isopropyl-	p58 PITSLRE beta1
4	H-7	PKA, PKG, MLCK, and PKC.	45	olomoucine	CDK
5	H-9	PKC.	46	Olomoucine	CDK
6	Staurosporine	Pan-specific	47	iso-Olomoucine	Negative control for olomoucine.
7	AG-494	EGFRK, PDGFRK	48	Roscovitine	CDK ERK2, adenosine kinase,
8	AG-825	HER1-2	49	5-Iodotubercidin	CK1, CK2,
9	Lavendustin A	EGFRK	50	LFM-A13	BTK
10	RG-14620	EGFRK	51	SB-202190	p38 MAPK
11	Tyrphostin 23	EGFRK	52	PP2	Src family
12	Tyrphostin 25	EGFRK	53	ZM 336372	cRAF
13	Tyrphostin 46	EGFRK, PDGFRK	54	SU 4312	Flk1
14	Tyrphostin 47	EGFRK	55	AG-1296	PDGFRK
15	Tyrphostin 51	EGFRK Negative control for tyrosine kinase inhibitors.	56	GW 5074	cRAF
16	Tyrphostin 1 Tyrphostin AG		57	Palmitoyl-DL- carnitine Cl	PKC
17	1288 Tyrphostin AG	Tyrosine kinases	58	Rottlerin	PKC delta
18	1478 Tyrphostin AG	EGFRK	59	Genistein	Tyrosine Kinases Negative control for Genistein.
19	1295	Tyrosine kinases	60	Daidzein	EGFRK
20	Tyrphostin 9	PDGFRK	61	Erbstatin analog	PI 3-K
21	HNMPA	IRK	62	Quercetin dihydrate	Flk1
22	PKC-412	PKC inhibitor	63	SU1498	JAK-3
23	Piceatannol	Syk	64	ZM 449829	IKK pathway
24	PP1	Src family	65	BAY 11-7082	CK2
25	AG-490	JAK-2	66	DRB	PKC alpha, PKC gamma
26	AG-126	IRAK	67	HBDDE	JNK
27	AG-370	PDGFRK	68	SP 600125	GSK-3beta, CDK5
28	AG-879	NGFRK	69	Indirubin Indirubin-3'- monoxime	GSK-3beta
29	LY 294002	PI 3-K	70	Y-27632	ROCK
30	Wortmannin	PI 3-K	71	Kenpaullone	GSK-3beta
31	GF 109203X	PKC	72	Terreic acid	BTK
32	Hypericin	PKC	73	Triciribine	Akt signaling pathway
33	Ro 31-8220	PKC	74	BML-257	Akt
34	Sphingosine	PKA	75	SC-514	IKK2
35	H-89	PKA, PKG	76	BML-259	Cdk5/p25
36	H-8	PKA, PKG	77	Apigenin	CK2
37	HA-1004	EGFRK, CaMK II	78	BML-265	EGFRK
38	HA-1077	CaMK II	79	Rapamycin	mTOR
39	HDBA	CaMK II	80	TBCA	CK2
40	KN-62	CaMK II			
41	KN-93	CaMK II			

Table S1 List of kinase inhibitors used for SIRT1-kinase screen. The names of the inhibitors and the kinases targeted by the inhibitors are shown.