

COVER PAGE: Supplementary Table 1

Small molecule drug screening in *Drosophila* identifies the 5HT2A receptor as a feeding modulation target

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Supplementary Table 1

#	ID	Compound name	% Relative Fluorescence	
			Mean	S.E.M.
Secondary screen positives: anorectic compounds				
1	RU-0000604	Pararosaniline pamoate	-79.08	0.36
2	RU-0001105	Gossypol	-65.72	3.00
3	RU-0084477	Nalbuphine hydrochloride	-65.59	2.73
4	RU-0000160	Gentian violet	-64.97	4.26
5	RU-0083601	Ivermectin	-63.61	6.06
6	RU-0083693	Avermectin B1	-61.65	2.74
7	RU-0084376	Ivermectin	-58.75	4.11
8	RU-0001034	Baicalein	-56.94	9.42
9	RU-0092499	Verteporfin	-48.52	2.28
10	RU-0001055	Pristimerin	-47.29	16.10
11	RU-0084237	AC-93253 iodide	-42.33	6.31
12	RU-0001069	Purpurin	-41.36	6.61
13	RU-0023945	Trichlorfon	-38.34	7.03
14	RU-0001664	Gossypetin	-32.19	4.53
15	RU-0001979	3H-1,2,dithiole-3-thioneo	-31.37	4.40
16	RU-0024012	Antimycin A	-30.48	14.47
17	RU-0001173	Haematoxylin	-28.18	5.02
18	RU-0001183	Mundulone	-26.41	1.22
19	RU-0000948	Gedunin	-24.20	2.14
20	RU-0001216	Brazilein	-21.45	6.25
21	RU-0000777	Fipronil	-21.33	4.19
22	RU-0001248	Irigenol	-20.27	6.85
23	RU-0001029	Quinalizarin	-18.17	2.70
24	RU-0000820	Reserpine	-18.10	5.00
25	RU-0000020	Clemastine	-16.93	5.22
26	RU-0001859	Metitepine	-16.79	4.65
27	RU-0000392	Trifluoperazine	-15.80	3.91
28	RU-0000871	Sanguinarine	-15.14	4.50
29	RU-0001972	Plumbagin	-13.85	2.71
30	RU-0084743	3-Tropanylindole-3-carboxylate methiodide	-12.43	9.45
31	RU-0000907	Triflupromazine	-11.94	4.51
32	RU-0000567	Naltrexone	-11.41	7.29

#	ID	Compound name	% Relative Fluorescence	
			Mean	S.E.M.
Secondary screen positives: orexiogenic compounds				
1	RU-0000088	Erythromycin	10.73	11.53
2	RU-0000156	Ergonovine	10.77	5.23
3	RU-0000144	Diphenhydramine	12.27	4.40
4	RU-0084008	L-Aspartic acid	12.62	6.46
5	RU-0000325	Xylometazoline	13.01	3.18
6	RU-0000066	Carbamazepine	14.92	5.69
7	RU-0000058	Chloroquine	15.48	6.42
8	RU-0084161	(2S,1'S,2'S)-2-(carboxycyclopropyl)glycine	17.73	7.15
9	RU-0084128	Phenytoin	21.00	5.00
10	RU-0024312	Isoetharine	21.02	12.97

#	ID	Compound name	Reported activity
1	RU-0000066	Carbamazepine	Sodium channel antagonist
2	RU-0000088	Erythromycin	Antibacterial
3	RU-0000144	Diphenhydramine	H1 histamine receptor antagonist
4	RU-0000325	Xylometazoline	Alpha-adrenoceptor agonist
5	RU-0000392	Trifluoperazine	Calmodulin antagonist; dopamine receptor antagonist
6	RU-0000567	Naltrexone	Opiod receptor antagonist
7	RU-0000820	Reserpine	Inhibits vesicular catecholamine and serotonin uptake.
8	RU-0001859	Metitepine	Serotonin receptor antagonist
9	RU-0001972	Plumbagin	Antifeedant
10	RU-0024312	Isoetharine	Beta-adrenoceptor agonist
11	RU-0084008	L-Aspartic acid	Amino acid
12	RU-0084128	Phenytoin sodium	Stabilizes sodium channels in the inactive state.
13	RU-0084161	(2S,1'S,2'S)-2-(carboxycyclopropyl)glycine	Group II metabotropic glutamate receptor agonist
14	RU-0084477	Nalbuphine	Opiod receptor agonist-antagonist

source: <https://www.collaborativedrug.com/>