

compound number	Code/Name	MW (Da)	concentration (μM)	Source	Catalog Number	Published ID (if available)	Known Activity/Pharmacological Action	Reference
1	KuRei-24	330,38	10	Pr. Dr. Conrad Künick	NA	10b	kinase inhibitor (Paullone analog)	[1,2]
2	KuRei-28	350,80	10	Pr. Dr. Conrad Künick	NA	-	kinase inhibitor (Paullone analog)	[1,2]
3	KuRei-38	372,46	10	Pr. Dr. Conrad Künick	NA	10e	kinase inhibitor (Paullone analog)	[1,2]
4	KuRei-68	341,36	10	Pr. Dr. Conrad Künick	NA	10d	kinase inhibitor (Paullone analog)	[1,2]
5	KuRei-101	334,34	10	Pr. Dr. Conrad Künick	NA	10c	kinase inhibitor (Paullone analog)	[1,2]
6	KuRei-131	316,35	10	Pr. Dr. Conrad Künick	NA	10a	kinase inhibitor (Paullone analog)	[1,2]
7	KuRei-147	440,56	10	Pr. Dr. Conrad Künick	NA	12f	kinase inhibitor (Paullone analog)	[1,2]
8	KuRei-148	468,97	10	Pr. Dr. Conrad Künick	NA	12e	kinase inhibitor (Paullone analog)	[1,2]
9	KuRei-152	464,55	10	Pr. Dr. Conrad Künick	NA	12d	kinase inhibitor (Paullone analog)	[1,2]
10	KuRei-153	327,38	10	Pr. Dr. Conrad Künick	NA	3a	anti-leishmanial (Chalcone derivative)	[1,2]
11	KuRei-169	434,53	10	Pr. Dr. Conrad Künick	NA	12c	kinase inhibitor (Paullone analog)	[1,2]
12	KuRei-170	355,43	10	Pr. Dr. Conrad Künick	NA	10f	kinase inhibitor (Paullone analog)	[1,2]
13	KuRei-218	333,41	10	Pr. Dr. Conrad Künick	NA	3d	anti-leishmanial (Chalcone derivative)	[1,2]
14	KuRei-219	317,34	10	Pr. Dr. Conrad Künick	NA	3e	anti-leishmanial (Chalcone derivative)	[1,2]
15	KuRei-223	328,36	10	Pr. Dr. Conrad Künick	NA	3f	anti-leishmanial (Chalcone derivative)	[1,2]
16	KuRei-256	250,29	10	Pr. Dr. Conrad Künick	NA	3i	anti-leishmanial (Chalcone derivative)	[1,2]
17	KuRei-289	346,38	10	Pr. Dr. Conrad Künick	NA	-	anti-leishmanial (Chalcone derivative)	[1,2]
18	KuRei-299	524,61	10	Pr. Dr. Conrad Künick	NA	12j	kinase inhibitor (Paullone analog)	[1,2]
19	KuRei-300	424,49	10	Pr. Dr. Conrad Künick	NA	12g	kinase inhibitor (Paullone analog)	[1,2]
20	KuRei-301	435,52	10	Pr. Dr. Conrad Künick	NA	12h	kinase inhibitor (Paullone analog)	[1,2]
21	KuRei-316	494,58	10	Pr. Dr. Conrad Künick	NA	12m	kinase inhibitor (Paullone analog)	[1,2]
22	KuRei-317	450,53	10	Pr. Dr. Conrad Künick	NA	12i	kinase inhibitor (Paullone analog)	[1,2]
23	KuRei-335	494,58	10	Pr. Dr. Conrad Künick	NA	12l	kinase inhibitor (Paullone analog)	[1,2]
24	KuRei-532	575,74	10	Pr. Dr. Conrad Künick	NA	-	kinase inhibitor (Paullone analog)	[1,2]
25	KuRei-557	507,58	10	Pr. Dr. Conrad Künick	NA	-	kinase inhibitor (Paullone analog)	[1,2]
26	KuRei-630	388,46	10	Pr. Dr. Conrad Künick	NA	-	kinase inhibitor (Paullone analog)	[1,2]
27	(Z)-2-((3-ethyl-5-methoxybenzol[d]thiazol-2(3H)-ylidene)methyl)pyridinium	299,42	10	ChemDiv	4400-0074	SJ000027780	kinase inhibitor (Paullone analog)	[3]
28	(E)-2-((1-ethyl-6-methylquinolin-2(1H)-ylidene)methyl)-1-methylpyridinium	277,39	10	ChemDiv	4400-0137	SJ000027785	kinase inhibitor (Paullone analog)	[3]
29	(Z)-1-methyl-2-((3-methylbenzol[d]thiazol-2(3H)-ylidene)methyl)pyridinium	255,36	10	ChemDiv	4400-0141	SJ000027786	kinase inhibitor (Paullone analog)	[3]
30	4-propyl-2,3,5,6,7,8-hexahydro-1H-cyclopental[b]quolin-9(4H)-imine	230,36	10	ChemDiv	4817-2829	SJ000031505	kinase inhibitor (Paullone analog)	[3]
31	(E)-2-(4-(dimethylamino)styryl)-1-ethyl-6-methoxyquinalinium	333,46	10	ChemDiv	6253-0474	SJ000112968	kinase inhibitor (Paullone analog)	[3]
32	(E)-2-(4-(diethylamino)styryl)-1-ethyl-7-methoxyquinalinium	361,51	10	ChemDiv	6253-0494	SJ000112969	kinase inhibitor (Paullone analog)	[3]

compound number	Code/Name	MW (Da)	concentration (μ M)	Source	Catalog Number	Published ID (if available)	Known Activity/Pharmacological Action	Reference
33	(Z)-2-((3-(2-hydroxyethyl)-6-methylbenzo[d]thiazol-2(3H)-ylidene)methyl)-3-methylbenzol[d]thiazol-3-ium	355,50	10	ChemDiv	7165-0022	SJ000044413	[3]	
34	(E)-2-((1-allylpyridin-2(1H)-ylidene)methyl)-3-methylbenzol[d]thiazol-3-ium	281,40	10	ChemDiv	7771-0711	SJ000045729	[3]	
35	(E)-2-((1,6-dimethylquinolin-2(1H)-ylidene)methyl)-3-methylbenzol[d]thiazol-3-ium	319,45	10	ChemDiv	7771-0743	SJ000045732	[3]	
36	3-allyl-2-((1-ethylpyridin-4(1H)-ylidene)methyl)benzol[d]thiazol-3-ium	295,43	10	ChemDiv	7771-0802	SJ000045737	[3]	
37	Wortmannin	428,40	10	Aldrich	W1628		PI3 Kinase inhibitor, pro apoptotic	[4]
38	Pentamidine isethionate salt	592,68	10	Aldrich	439843		anti-microbial, anti-fungal, anti-protozoal, phosphatase inhibitor	[5,6]
39	Paromomycin sulfate salt	713,71	10	Aldrich	P5057		anti-microbial	[7]
40	(+/-)-Miconazole nitrate salt	479,14	10	Aldrich	M3512		anti-tumor, pro-apoptotic, anti-inflammatory, anti-oxydant	
41	Curecumin	368,39	10	Aldrich	C7727		Inhibitor of xanthine oxidase and <i>de novo</i> Pyrimidine biosynthesis	
42	Allopurinol	136,11	10	Aldrich	A8003		anti-fungal	
43	L-Leucine methyl ester hydrochloride	181,66	1000	Aldrich	L9000		anti-leishmanial	
44	Clotrimazole	344,84	10	Aldrich	C6019		anti-fungal, local anti-infective	[6,7]
45	Fluconazole	306,27	10	Aldrich	F8929		anti-fungal	
46	Itraconazole	705,63	10	Aldrich	16657		broad spectrum anti-fungal	
47	Edelfosine	523,73	10	Aldrich	O-1415		anti-neoplastic	
48	Ilmofosine	525,77	10	Aldrich	I2409		PKC Inhibitor	
49	Acticin	178,57	10	Aldrich	A2295		anti-neoplastic, antibiotic, anti-fungal enzyme inhibitor	
50	Tetraethylthiuram disulfide	296,54	10	Aldrich	86720		Alcohol dehydrogenase inhibitor	
51	Aphidicoxin from <i>Nigrospora sphaerica</i>	338,48	10	Aldrich	A0781		antibiotic, potent anti-viral, anti-mitotic agent and DNA Polymerase inhibitor	[6]
52	Phenyltoloxamine citrate salt	447,48	10	Aldrich	P8404		anti-histamine	[6]
53	(E)-2-((1-allylpyridin-2(1H)-ylidene)methyl)-3-ethylbenzol[d]thiazol-3-ium	295,43	10	ChemDiv	7771-0817	SJ000045738		
54	Pamidronate disodium salt hydrate	369,10	10	Aldrich	P2371		anti-osteoclastic, anti-protozoa	[6]
55	Amphotericin B	924,08	0.5	Merck	171375		anti-fungal antibiotic, anti-leishmanial	[3]
56	Ketoconazole	531,43	10	Merck	420600		anti-fungal	[8]
57	Sodium stibogluconate	907,90	10	Merck	567565		pentavalent antimonials known anti-leishmanial	
58	Allopurinol riboside	268,23	10	Aldrich	A2026		anti-leishmanial	
59	Miltefosine	407,00	10	Merck	475841		pro-apoptotic	
60	L-Leucine methyl ester hydrochloride	181,66	1000	Aldrich	61890		anti-neoplastic, anti-protozoal	

1. Reichwald C, Shimony O, Dunkel U, Sacerdoti-Sierra N, Jaffe CL, et al. (2008). *J Med Chem* 51: 659-665.
2. Reichwald C, Shimony O, Sacerdoti-Sierra N, Jaffe CL, Kunick C (2008). *Bioorganic & medicinal chemistry letters* 18: 1985-1989.
3. Guiqueme de WA, Shelat AA, Bouck D, Duffy S, Crowther GU, et al. (2010). *Chemical genetics of Plasmodium falciparum*. *Nature* 465: 311-315.
4. Wymann MP, Bulgarelli-Lleva G, Zveibil MJ, Pirola L, Vanhaesebroeck B, et al. (1996). *Mol Cell Biol* 16: 1722-1733.
5. Azas N, Di Giorgio C, Delmas F, Gasquet M, Timon-David P (1997). *Exp Parasitol* 87: 1-7.
6. Sharlow ER, Close D, Shun T, Leingruber S, Reed R, et al. (2009). *PLoS Negl Trop Dis* 3: e540.
7. Berman JD (1981). *Am J Trop Med Hyg* 30: 566-569.
8. Yardley V, Khan AA, Martin MB, Slifer TR, Araujo FG, et al. (2002). *Antimicrob Agents Chemother* 46: 929-931.