

Using UPLC Q-TOF-MS/MS Combined with Network Pharmacology to Reveal the Potential Mechanism of *Aconitum forrestii* Stapf in the Treatment of Heart Failure

Jian Li^{1,2,†}, Meihua Yang^{1,2,†}, Yongcheng, Yang^{1,2,‡}, Conglong Xia^{1,2*}

¹*College of Pharmacy, Dali University, Dali, Yunnan, 671000, China*

²*Yunnan International Joint Lab for R&D of Distinctive Medicinal-Edible Resources , Dali, Yunnan 671000, China*

Table S1: Compounds of *Aconitum forrestii* detected by UPLC-MS technique

No.	Formula	Compounds	Class	No.	Formula	Compounds	Class
1	C ₅ H ₁₄ NO ⁺	Choline	SWJ	300	C ₁₃ H ₁₆ O ₉	1-O-Gentisoyl- β -D-glucoside	FS
2	C ₈ H ₇ N	Indole	SWJ	301	C ₁₃ H ₁₆ O ₉	Protocatechuic acid-4-O-glucoside	FS
3	C ₅ H ₁₁ NO ₂	Betaine	SWJ	302	C ₁₄ H ₂₀ O ₈	5-(2-Hydroxyethyl)-2-O-glucosylphenol	FS
4	C ₈ H ₉ N	N-Benzylmethylene isomethylamine	SWJ	303	C ₁₄ H ₂₀ O ₈	Cimidahurinine	FS
5	C ₈ H ₁₁ N	2-Phenylethylamine*	SWJ	304	C ₁₄ H ₂₀ O ₈	3,4-dihydroxyphenylethanol- β -D-glucopyranoside*	FS
6	C ₆ H ₁₃ NO ₂	6-Deoxyfagomine	SWJ	305	C ₁₄ H ₂₀ O ₈	Vanilloloside	FS
7	C ₇ H ₇ NO ₂	Methyl Nicotinate	SWJ	306	C ₁₆ H ₁₆ O ₇	Trans-5-O-(p-Coumaroyl)shikimate	FS
8	C ₈ H ₁₁ NO	L-Tyramine*	SWJ	307	C ₁₅ H ₁₈ O ₈	(2E)-3-[4-(β -D-glucopyranoside)-phenylacrylic]-acid	FS
9	C ₂ H ₈ NO ₄ P	O-Phosphorylethanolamine	SWJ	308	C ₁₅ H ₁₈ O ₈	1-O-p-Coumaroyl- β -D-glucose	FS
10	C ₇ H ₁₁ NO ₂	Guvacoline*	SWJ	309	C ₁₅ H ₁₈ O ₈	Phenylpropionic acid-O- β -D-glucopyranoside	FS
11	C ₉ H ₇ NO	Indole-3-carboxaldehyde*	SWJ	310	C ₁₅ H ₁₈ O ₈	p-Coumaric acid-4-O-glucoside	FS
12	C ₇ H ₅ NOS	2(3H)-Benzothiazolone	SWJ	311	C ₁₄ H ₁₈ O ₉	Vanillic acid-4-O-glucoside	FS
13	C ₇ H ₈ N ₂ O ₂	1,4-Dihydro-1-Methyl-4-oxo-3-pyridinecarboxamide	SWJ	312	C ₁₃ H ₁₆ O ₁₀	Gallic acid-4-O-glucoside	FS
14	C ₈ H ₁₁ NO ₂	Dopamine*	SWJ	313	C ₁₃ H ₁₆ O ₁₀	6-O-Galloyl-D-glucose	FS
15	C ₁₀ H ₁₂ N ₂	Tryptamine*	SWJ	314	C ₁₃ H ₁₆ O ₁₀	1-O-Galloyl- β -D-glucose	FS
16	C ₉ H ₇ NO ₂	Indole-3-carboxylic acid*	SWJ	315	C ₁₄ H ₂₀ O ₉	2-(3,4-dihydroxyphenyl)ethanediol	
17	C ₆ H ₁₁ NO ₄	DL-2-Aminoadipic acid	SWJ			1-O- β -D-glucopyranoside	FS
18	C ₈ H ₉ NO ₃	4,5,6-Trihydroxy-2-cyclohexen-1-ylideneacetonitrile	SWJ	316	C ₁₆ H ₁₆ O ₈	5-O-Caffeoylshikimic acid	FS
19	C ₁₀ H ₁₉ NO	2-Ethyl-2,6,6-trimethylpiperidin-4-one*	SWJ	317	C ₁₆ H ₁₈ O ₈	5-O-p-Coumaroylquinic acid	FS
20	C ₈ H ₇ NO ₄	DHBOA	SWJ	318	C ₁₆ H ₁₈ O ₈	1-O-p-Coumaroylquinic acid	FS
21	C ₉ H ₁₁ NO ₃	4-Hydroxy-5-(2-oxo-1-pyrrolidinyl)benzoic acid	SWJ	319	C ₁₆ H ₁₈ O ₈	3-O-p-Coumaroylquinic acid	FS
22	C ₉ H ₁₁ NO ₃	N-(2-Hydroxy-4-methoxyphenyl)-acetamide*	SWJ	320	C ₁₅ H ₁₈ O ₉	1-O-Caffeoyl- β -D-glucose	FS
23	C ₁₁ H ₉ NO ₂	3-Indoleacrylic acid	SWJ	321	C ₁₅ H ₁₈ O ₉	Vanillic Acid-4-O-Glucuronide	FS
24	C ₁₁ H ₉ O ₂ N	3-amino-2-naphthoic acid	SWJ	322	C ₁₅ H ₁₈ O ₉	6-O-Caffeoyl-D-glucose	FS
25	C ₁₁ H ₁₆ N ₂ O	N-(4-Aminobutyl)benzamide	SWJ	323	C ₁₆ H ₂₂ O ₈	Coniferin*	FS
				324	C ₁₅ H ₂₀ O ₉	Syringaldehyde-4-O-glucoside	FS

No.	Formula	Compounds	Class	No.	Formula	Compounds	Class
26	C ₁₀ H ₂₆ N ₄	Spermine*	SWJ	325	C ₁₅ H ₂₀ O ₉	Dihydrocaffeoylglucose	FS
27	C ₁₁ H ₁₂ N ₂ O ₂	1-Methoxy-indole-3-acetamide	SWJ	326	C ₁₄ H ₁₈ O ₁₀	Methyl 6-O-galloyl-glucoside	FS
28	C ₁₂ H ₁₄ N ₂ O ₂	N-Acetyl-5-hydroxytryptamine*	SWJ	327	C ₁₄ H ₁₈ O ₁₀	1-O-(3,4-Dihydroxy-5-methoxy-benzoyl)-glucoside	FS
29	C ₁₁ H ₁₁ NO ₄	Methyl dioxindole-3-acetate	SWJ	328	C ₁₆ H ₁₈ O ₉	5-O-Caffeoylquinic acid	FS
30	C ₁₆ H ₁₇ NO ₃	(S)-Norcoclaurine*	SWJ	329	C ₁₆ H ₂₀ O ₉	Homovanilloylquinic acid	FS
31	C ₁₂ H ₂₁ N ₃ O ₆	Nicotianamine	SWJ	330	C ₁₆ H ₂₀ O ₉	Ferulic acid-4-O-glucoside	FS
32	C ₁₄ H ₁₇ NO ₇	2-(D-Glucosyloxy)-4-hydroxybenzeneacetonitrile	SWJ	331	C ₁₆ H ₂₀ O ₉	6-O-Feruloyl-D-glucose	FS
33	C ₁₄ H ₁₇ NO ₇	5,6-Dihydroxyindole-5-O-β-glucoside	SWJ	332	C ₁₆ H ₂₀ O ₉	4-O-β-D-glucopyranosylferulic acid*	FS
34	C ₁₄ H ₁₇ NO ₇	Dhurrin	SWJ	333	C ₁₆ H ₂₀ O ₉	1-O-Feruloyl-β-D-glucose	FS
35	C ₂₀ H ₃₉ NO ₂	N-Oleoylethanolamine*	SWJ	334	C ₂₀ H ₂₂ O ₆	Dehydrodiconiferyl alcohol*	FS
36	C ₁₉ H ₂₁ NO ₄	Corytuberine*	SWJ	335	C ₁₅ H ₂₀ O ₁₀	Glucosyringic Acid	FS
37	C ₂₀ H ₂₃ NO ₄	Corydalmine*	SWJ	336	C ₁₇ H ₂₀ O ₉	1-O-Feruloylquinic acid	FS
38	C ₂₀ H ₂₃ NO ₄	Corydine*	SWJ	337	C ₁₇ H ₂₀ O ₉	3-O-Feruloylquinic acid	FS
39	C ₁₄ H ₁₇ NO ₉	DHBOA glucoside	SWJ	338	C ₁₇ H ₂₀ O ₉	Chlorogenic acid methyl ester	FS
40	C ₂₂ H ₃₃ NO ₂	Denudatine*	SWJ	339	C ₁₆ H ₂₀ O ₁₀	Trihydroxycinnamoylquinic acid	FS
41	C ₂₂ H ₃₃ NO ₃	12-Epinapelline*	SWJ	340	C ₁₆ H ₂₀ O ₁₀	Quinacyl syringic acid	FS
42	C ₂₂ H ₃₃ NO ₃	Napelline*	SWJ	341	C ₁₆ H ₂₄ O ₁₀	D-Threo-guaiacylglycerol-7-O-β-D-glucoside	FS
43	C ₂₁ H ₃₃ NO ₄	16β-Hydroxycardiopetaline*	SWJ	342	C ₁₇ H ₂₂ O ₁₀	4-O-Glucosyl-sinapate	FS
44	C ₂₂ H ₂₉ NO ₄	Vilmorine C	SWJ	343	C ₁₇ H ₂₂ O ₁₀	1-O-Glucosyl sinapate	FS
45	C ₂₃ H ₃₃ NO ₃	Vilmoraconitine*	SWJ	344	C ₁₇ H ₂₂ O ₁₀	1-O-Sinapoyl-D-glucose	FS
46	C ₂₃ H ₃₅ NO ₃	Hemsleyaconitine G	SWJ	345	C ₁₈ H ₂₈ O ₉	5'-Glucosyloxyjasmanic acid	FS
47	C ₂₂ H ₃₃ NO ₄	Vilmorrianine G	SWJ	346	C ₂₄ H ₃₈ O ₄	Bis(2-ethylhexyl)phthalate	FS
48	C ₂₂ H ₃₃ NO ₄	Karakanine*	SWJ	347	C ₁₈ H ₂₆ O ₁₀	Benzyl β-primeveroside	FS
49	C ₂₂ H ₃₃ NO ₄	Turupellin	SWJ	348	C ₁₈ H ₂₆ O ₁₀	Benzyl-(2"-O-xylosyl)glucoside	FS
50	C ₂₂ H ₃₅ NO ₄	Karakoline*	SWJ	349	C ₁₈ H ₂₆ O ₁₁	2-Hydroxyphenol-1-O-glucosyl(6→1)rhamnoside	FS
51	C ₂₂ H ₃₃ NO ₅	Pengshenine B	SWJ	350	C ₂₁ H ₂₂ O ₁₀	6-O-Caffeoylarbutin	FS
52	C ₂₂ H ₃₃ NO ₅	Heteratisine*	SWJ	351	C ₂₂ H ₁₈ O ₁₁	Caffeoyl-p-coumaroyltartaric acid	FS
53	C ₂₃ H ₃₇ NO ₄	Sachaconitine*	SWJ	352	C ₁₉ H ₂₇ NO ₁₂	Anthranilate-1-O-Sophoroside	FS
54	C ₂₃ H ₃₅ NO ₅	Nevadenine	SWJ	353	C ₂₂ H ₂₂ O ₁₁	4-O-(6'-O-Glucosylcaffeoyl)-4-hydroxybenzoic acid	FS
55	C ₂₄ H ₃₉ NO ₄	8-O-Methylsachaconitine	SWJ	354	C ₂₀ H ₃₀ O ₁₂	Verbaside	FS
56	C ₂₄ H ₃₇ NO ₅	14-Acetylkarakoline	SWJ	355	C ₂₂ H ₂₂ O ₁₂	4-O-(6'-O-Glucosylcaffeoyl)-3,4-dihydroxybenzoic acid	FS
57	C ₂₄ H ₃₉ NO ₅	Acoapetaludine B	SWJ	356	C ₂₀ H ₃₀ O ₁₃	2-(3-β-D-glucopyranosyloxy-4-hydroxyphenyl)ethanol-1	FS

No.	Formula	Compounds	Class	No.	Formula	Compounds	Class
58	C ₂₅ H ₃₉ NO ₅	14-Acetylsachaconitine	SWJ	357	C ₂₂ H ₂₆ O ₁₂	-O- β -D-glucopyranoside	
59	C ₂₄ H ₃₇ NO ₆	N-Desethyl-N-formyl-8-O-methyltalatisamine*	SWJ	358	C ₂₂ H ₂₆ O ₁₂	3-O- <i>p</i> -Coumaroylshikimic acid-O-glucoside	FS
60	C ₂₅ H ₄₁ NO ₅	8-O-Methyltalatisamine*	SWJ	359	C ₂₂ H ₂₂ O ₁₃	5-O- <i>p</i> -Coumaroylshikimic acid O-glucoside	FS
61	C ₂₄ H ₃₉ NO ₆	Subcusine	SWJ	360	C ₂₂ H ₂₈ O ₁₃	1-O-Caffeoyl-3-O-galloyl- β -D-glucose	FS
62	C ₂₅ H ₃₉ NO ₆	Condelfhine*	SWJ	361	C ₂₂ H ₂₈ O ₁₃	5-O- <i>p</i> -Coumaroylquinic acid O-glucoside	FS
63	C ₂₆ H ₄₃ NO ₅	Columbidine*	SWJ	362	C ₂₄ H ₂₂ O ₁₂	3-O- <i>p</i> -Coumaroylquinic acid-O-glucoside	FS
64	C ₂₆ H ₄₁ NO ₆	Acoapetaludine C	SWJ	363	C ₂₄ H ₂₂ O ₁₂	Feruloylferuloyltartaric acid	FS
65	C ₂₅ H ₄₁ NO ₇	Bikhaconine	SWJ	364	C ₂₄ H ₂₂ O ₁₂	<i>p</i> -Coumaroylsinapoyltartaric acid	FS
66	C ₂₅ H ₄₁ NO ₇	Delsoline*	SWJ	365	C ₂₄ H ₂₄ O ₁₂	Sinapoyl- <i>p</i> -coumaroyltartaric acid	FS
67	C ₂₅ H ₄₁ NO ₈	Pseudoaconine*	SWJ	366	C ₂₄ H ₂₄ O ₁₂	1,6-Di-O-caffeoyl- β -D-glucose	FS
68	C ₂₄ H ₂₉ NO ₁₀	Cimicifugamide A	SWJ	367	C ₂₁ H ₂₈ O ₁₄	3,6-Di-O-caffeoyl glucose	FS
69	C ₃₃ H ₄₇ NO ₉	Forestine	SWJ	368	C ₂₅ H ₂₄ O ₁₂	1-O-Caffeoyl-(6-O-glucosyl)- β -D-glucose	FS
70	C ₃₃ H ₄₃ NO ₁₁	Aldohypaconitine	SWJ	369	C ₂₂ H ₃₀ O ₁₄	1,3-O-Dicaffeoylquinic Acid	FS
71	C ₃₃ H ₄₅ NO ₁₁	Mesaconitine	SWJ	370	C ₂₆ H ₃₂ O ₁₁	6'-O-Feruloyl- <i>D</i> -sucrose	FS
72	C ₃₄ H ₄₇ NO ₁₁	Aconitine	SWJ	371	C ₂₄ H ₂₆ O ₁₃	Dehydrodiconiferyl alcohol-gamma'-O-glucoside	FS
73	C ₃₄ H ₄₇ NO ₁₂	10-Hydroxyaconitine	SWJ	372	C ₂₅ H ₂₄ O ₁₃	Rosmarinic acid-3'-O-glucoside	FS
74	C ₁₅ H ₁₂ O ₅	5,7,4'-Trihydroxyflavanone*	HT	373	C ₂₅ H ₂₈ O ₁₃	Feruloylsinapoyltartaric acid	FS
75	C ₁₅ H ₁₂ O ₆	5,7,3',4'-Tetrahydroxyflavanone*	HT	374	C ₂₇ H ₃₆ O ₁₃	Syringic acid-4-O-(6"-feruloyl)glucoside	FS
76	C ₁₅ H ₁₂ O ₆	2-Hydroxynaringenin*	HT	375	C ₂₈ H ₃₄ O ₁₅	Citrusin B	FS
77	C ₁₆ H ₁₂ O ₆	7-Methylkaempferol*	HT	376	C ₃₁ H ₃₈ O ₁₆	4-O-(6'-O-Glucosylcaffeoylglucosyl)-4-hydroxybenzyl alcohol	FS
78	C ₁₆ H ₁₂ O ₆	Diosmetin*	HT	377	C ₃₁ H ₄₀ O ₁₆	2'-Acetylacteoside	FS
79	C ₁₆ H ₁₂ O ₆	5,7,2'-Trhydroxy-8-methoxyflavone*	HT	378	C ₃₁ H ₃₆ O ₁₈	4-Hydroxyphenethoxy-8-O- β -D-[6-O-(4-O- β -D-glucopyranosyl)-sinapoyl]glucopyranoside	FS
80	C ₁₅ H ₁₀ O ₇	Quercetin*	HT	379	C ₈ H ₈ O ₄	Syringoylcaffeoylquinic acid- <i>D</i> -glucose	FS
81	C ₁₆ H ₁₄ O ₆	Homoeriodictyol*	HT	380	C ₁₅ H ₁₂ O ₃	2,6-Dimethoxy-1,4-benzoquinone	KL
82	C ₁₆ H ₁₄ O ₆	Dihydrokaempferide*	HT	381	C ₁₅ H ₁₀ O ₅	Chrysophanol-9-anthrone*	KL
83	C ₁₆ H ₁₄ O ₆	Hesperetin*	HT	382	C ₁₅ H ₁₀ O ₅	isoemodin*	KL
84	C ₁₆ H ₁₂ O ₇	Isorhamnetin*	HT	383	C ₁₀ H ₈ O ₃	Emodin*	KL
85	C ₁₇ H ₁₄ O ₇	Quercetin-3',4'-dimethyl ether*	HT	384	C ₉ H ₆ O ₄	6-Hydroxy-4-methylcoumarin	MHX
86	C ₁₉ H ₁₈ O ₈	5,3'-Dihydroxy-3,6,7,4'-Tetramethoxyflavone*	HT	385	C ₁₀ H ₁₀ O ₃	Esculetin*	MHX
						3,4-Methylenedioxy cinnamyl alcohol	MHX

No.	Formula	Compounds	Class	No.	Formula	Compounds	Class
87	C ₂₀ H ₁₈ O ₁₀	Kaempferol-3-O-arabinoside	HT	386	C ₁₁ H ₈ O ₃	Ayapin	MHX
88	C ₂₁ H ₂₀ O ₁₀	Apigenin-8-C-Glucoside	HT	387	C ₁₀ H ₈ O ₄	5,7-Dihydroxy-4-methylcoumarin	MHX
89	C ₂₁ H ₂₀ O ₁₀	Apigenin-6-C-glucoside	HT	388	C ₁₀ H ₈ O ₄	7-Hydroxy-6-methoxycoumarin*	MHX
90	C ₂₁ H ₂₀ O ₁₀	Kaempferol-3-O-rhamnoside	HT	389	C ₁₀ H ₈ O ₄	6,7-Dihydroxy-4-methylcoumarin*	MHX
91	C ₂₁ H ₂₀ O ₁₀	Kaempferol-7-O-rhamnoside	HT	390	C ₁₀ H ₈ O ₅	7,8-Dihydroxy-6-methoxycoumarin*	MHX
92	C ₂₁ H ₂₂ O ₁₀	Naringenin-7-O-glucoside	HT	391	C ₁₀ H ₈ O ₆	5,7,8-Trihydroxy-6-methoxycoumarin*	MHX
93	C ₂₂ H ₁₈ O ₁₀	Catechin gallate	HT	392	C ₁₉ H ₁₄ O ₆	O-Feruloylhydroxycoumarin	MHX
94	C ₂₁ H ₂₀ O ₁₁	Kaempferol-3-O-galactoside	HT	393	C ₁₅ H ₁₆ O ₉	Esculin	MHX
95	C ₂₁ H ₂₀ O ₁₁	Luteolin-7-O-glucoside	HT	394	C ₂₀ H ₂₂ O ₆	Matairesinol*	MHX
96	C ₂₁ H ₂₀ O ₁₁	Luteolin-6-C-glucoside	HT	395	C ₂₀ H ₂₂ O ₆	Epipinoresinol*	MHX
97	C ₂₁ H ₂₀ O ₁₁	Luteolin-3'-O-glucoside	HT	396	C ₂₀ H ₂₂ O ₆	Pinoresinol	MHX
98	C ₂₁ H ₂₀ O ₁₁	Kaempferol-3-O-glucoside	HT	397	C ₂₀ H ₂₀ O ₇	8-Hydroxy- α -conidendrin	MHX
99	C ₂₁ H ₂₀ O ₁₁	Luteolin-8-C-glucoside	HT	398	C ₂₀ H ₂₂ O ₇	Isohydroxymatairesinol*	MHX
100	C ₂₁ H ₂₀ O ₁₁	Kaempferol-4'-O-glucoside	HT	399	C ₂₂ H ₂₆ O ₈	Syringaresinol*	MHX
101	C ₂₁ H ₂₀ O ₁₁	Luteolin-4'-O-glucoside	HT	400	C ₂₁ H ₂₆ O ₁₃	4-Hydroxycoumarin di-glucoside	MHX
102	C ₂₁ H ₂₁ O ₁₁ ⁺	Cyanidin-3-O-glucoside	HT	401	C ₂₆ H ₃₂ O ₁₁	Pinoresinol-4-O-glucoside	MHX
103	C ₂₁ H ₂₂ O ₁₁	Taxifolin-3-O-rhamnoside	HT	402	C ₂₆ H ₃₄ O ₁₁	Dihydrodehydrodiconiferyl alcohol-4-O-glucoside	MHX
104	C ₂₁ H ₂₂ O ₁₁	Eriodictyol-7-O-glucoside	HT	403	C ₂₆ H ₃₄ O ₁₁	Isolariciresinol-9'-O-glucoside	MHX
105	C ₂₁ H ₂₂ O ₁₁	Eriodictyol-3'-O-glucoside	HT	404	C ₂₆ H ₃₆ O ₁₁	Secoisolariciresinol-9'-O-glucoside	MHX
106	C ₂₂ H ₂₂ O ₁₁	Chrysoeriol-8-C-glucoside	HT	405	C ₂₆ H ₃₆ O ₁₁	Secoisolariciresinol 4-O-glucoside	MHX
107	C ₂₁ H ₂₀ O ₁₂	Quercetin-4'-O-glucoside	HT	406	C ₂₆ H ₃₂ O ₁₂	1-Hydroxypinoresinol-1-O-Glucoside	MHX
108	C ₂₁ H ₂₀ O ₁₂	Quercetin-3-O-glucoside	HT	407	C ₂₆ H ₃₂ O ₁₂	1-Hydroxypinoresinol-4'-O-Glucoside	MHX
109	C ₂₁ H ₂₀ O ₁₂	Isohyperoside	HT	408	C ₂₆ H ₃₄ O ₁₂	Olivil-4'-O-glucoside	MHX
110	C ₂₁ H ₂₀ O ₁₂	Quercetin-3-O-galactoside	HT	409	C ₂₆ H ₃₄ O ₁₂	Cycloolivil-6-O-glucoside	MHX
111	C ₂₁ H ₂₂ O ₁₂	Taxifolin-3'-O-glucoside	HT	410	C ₂₇ H ₃₆ O ₁₂	5'-Methoxyisolariciresinol-9'-O-glucoside	MHX
112	C ₂₂ H ₂₂ O ₁₂	Rhamnetin-3-O-Glucoside	HT	411	C ₂₈ H ₃₄ O ₁₂	Pinoresinol-4-O-(6"-acetyl)glucoside	MHX
113	C ₂₂ H ₂₂ O ₁₂	Isorhamnetin-7-O-glucoside	HT	412	C ₂₈ H ₃₆ O ₁₃	Syringaresinol-4'-O-glucoside	MHX
114	C ₂₂ H ₂₂ O ₁₂	Nepetin-7-O-glucoside	HT	413	C ₃₁ H ₃₈ O ₁₁	7,8-Dihydro-Buddlenol B	MHX
115	C ₂₃ H ₂₆ O ₁₁	Persicoside	HT	414	C ₃₀ H ₃₈ O ₁₄	Syringaresinol-4'-O-(6"-acetyl)glucoside	MHX
116	C ₂₃ H ₂₂ O ₁₂	Kaempferol-3-O-(6"-acetyl)glucoside	HT	415	C ₃₂ H ₄₂ O ₁₆	Pinoresinol-4,4'-O-di-O-glucoside	MHX
117	C ₂₃ H ₂₂ O ₁₂	Kaempferol-3-O-(2"-acetyl)glucoside	HT	416	C ₃₂ H ₄₆ O ₁₆	Secoisolariciresinol diglucoside	MHX
118	C ₂₄ H ₂₄ O ₁₂	Chrysoeriol-7-O-(6"-acetyl)glucoside	HT	417	C ₃₂ H ₄₄ O ₁₇	Olivil-4,4'-Di-O-glucoside	MHX

No.	Formula	Compounds	Class	No.	Formula	Compounds	Class
119	C ₂₃ H ₂₂ O ₁₃	Quercetin-3-O-(6"-O-acetyl)glucoside	HT	418	C ₁₀ H ₁₆ O	Perillyl alcohol*	TL
120	C ₂₄ H ₂₂ O ₁₄	Kaempferol-3-O-(6"-malonyl)galactoside	HT	419	C ₁₃ H ₂₀ O ₃	Vomifoliol	TL
121	C ₂₄ H ₂₂ O ₁₄	Kaempferol-3-O-(6"-malonyl)glucoside	HT	420	C ₁₁ H ₁₄ O ₅	Genipin	TL
122	C ₂₅ H ₂₆ O ₁₃	Apigenin-6,8-di-C-arabinoside	HT	421	C ₂₀ H ₃₀ O ₂	Kaurenoic Acid*	TL
123		5,4'-Dihydroxy-3,6,7,3'-tetramethoxyflavone-4'-O-glucoside	HT	422	C ₁₅ H ₂₂ O ₉	6-DeoxyCatalpol	TL
124	C ₂₆ H ₂₈ O ₁₄	Isoschaftoside	HT	423	C ₁₉ H ₃₂ O ₇	Blumenol C glucoside	TL
125	C ₂₆ H ₂₈ O ₁₄	Schaftoside	HT	424	C ₁₆ H ₂₂ O ₁₀	Geniposidic acid	TL
126	C ₂₆ H ₂₈ O ₁₄	Kaempferol-3-O-arabinoside-7-O-rhamnoside	HT	425	C ₁₆ H ₂₂ O ₁₀	Gardoside	TL
127	C ₂₆ H ₂₈ O ₁₄	Apigenin-8-C-(2"-xylosyl)glucoside	HT	426	C ₁₇ H ₂₄ O ₁₀	Geniposide	TL
128	C ₂₆ H ₂₈ O ₁₄	Apigenin-6-C-(2"-glucosyl)arabinoside	HT	427	C ₁₈ H ₂₄ O ₁₀	3'-acetylsweroside	TL
129	C ₂₆ H ₂₈ O ₁₄	Apigenin-6-C-(2"-xylosyl)glucoside	HT	428	C ₃₀ H ₅₀ O	Cycloartenol	TL
130	C ₂₇ H ₃₀ O ₁₄	Apigenin-7-O-neohesperidoside	HT	429	C ₃₀ H ₄₈ O ₄	(3 β ,7 α -Dihydroxyolean-12-en-28-oic acid)	TL
131	C ₂₇ H ₃₀ O ₁₄	Vitexin-2"-O-rhamnoside	HT	430	C ₂₅ H ₂₈ O ₁₃	10-O-[(E)-Caffeoyl]-geniposidic acid	TL
132	C ₂₇ H ₃₀ O ₁₄	Violanthin	HT	431		2 α ,3 β ,19 α -Trihydroxyurs-12-en-23,28-dioic acid-28-O-glucoside	TL
133	C ₂₆ H ₂₈ O ₁₅	Quercetin-3-O-rhamnosyl(1 $\rightarrow$ 2)arabinoside	HT	432	C ₃ H ₄ O ₃	Pyruvic acid	YJS
134	C ₂₈ H ₃₂ O ₁₄	Chrysoeriol-6-C-rhamnoside-7-O-rhamnoside	HT	433	C ₂ H ₂ O ₄	Oxalic acid	YJS
135	C ₂₇ H ₃₀ O ₁₅	Luteolin-7-O-neohesperidoside (Lonicerin)	HT	434	C ₃ H ₆ O ₃	3-Hydroxypropanoic acid	YJS
136	C ₂₇ H ₃₀ O ₁₅	Apigenin-6,8-di-C-glucoside (Vicenin-2)	HT	435	CH ₄ O ₃ S	Methanesulfonic acid	YJS
137	C ₂₇ H ₃₀ O ₁₅	Kaempferol-3-O-rhamnosyl(1 $\rightarrow$ 2)glucoside	HT	436	C ₄ H ₄ O ₃	Succinic anhydride	YJS
138	C ₂₇ H ₃₀ O ₁₅	Kaempferol-3-O-rutinoside	HT	437	C ₄ H ₆ O ₃	Succinic semialdehyde*	YJS
139	C ₂₇ H ₃₀ O ₁₅	Vitexin-2"-O-glucoside	HT	438	C ₄ H ₉ NO ₂	2-Aminoisobutyric acid	YJS
140	C ₂₇ H ₃₀ O ₁₅	Kaempferol-3-O-neohesperidoside	HT	439	C ₄ H ₉ NO ₂	γ -Aminobutyric acid	YJS
141	C ₂₇ H ₃₀ O ₁₅	Isovitexin-7-O-glucoside	HT	440	C ₃ H ₄ O ₄	Hydroxypyruvic acid	YJS
142	C ₂₇ H ₃₂ O ₁₅	Neoeriocitrin	HT	441	C ₃ H ₄ O ₄	Tartronate semialdehyde*	YJS
143	C ₃₁ H ₂₈ O ₁₃	Hispidulin-7-O-(6"-O-p-Coumaroyl)Glucoside	HT	442	C ₄ H ₈ O ₃	3-Hydroxybutyric acid	YJS
144	C ₃₀ H ₂₆ O ₁₄	Gallocatechin-(4 α $\rightarrow$ 8)-gallocatechin	HT	443	C ₃ H ₄ O ₄	Malonic acid	YJS
145	C ₂₇ H ₃₀ O ₁₆	Quercetin-3-O-glucoside-7-O-rhamnoside	HT	444	C ₅ H ₄ O ₃	2-Furoic acid	YJS
146	C ₂₇ H ₃₀ O ₁₆	Orientin-2"-O-galactoside	HT	445	C ₄ H ₄ O ₄	Fumaric acid	YJS
147	C ₂₇ H ₃₀ O ₁₆	Quercetin-3-O-(4"-O-glucosyl)rhamnoside	HT	446	C ₅ H ₁₁ NO ₂	5-Aminovaleric acid	YJS
148	C ₂₇ H ₃₀ O ₁₆	Luteolin-6,8-di-C-glucoside	HT	447	C ₄ H ₆ O ₄	Succinic acid*	YJS

No.	Formula	Compounds	Class	No.	Formula	Compounds	Class
149	C ₂₇ H ₃₀ O ₁₆	Luteolin-7,3'-di-O-glucoside	HT	448	C ₄ H ₆ O ₄	Methylmalonic acid	YJS
150	C ₂₇ H ₃₀ O ₁₆	Kaempferol-3,7-O-diglucoside	HT	449	C ₅ H ₁₀ O ₃	<i>β</i> -Hydroxyisovaleric acid	YJS
151	C ₂₇ H ₃₀ O ₁₆	Quercetin-3-O-(2"-O-rhamnosyl)galactoside	HT	450	C ₃ H ₅ NO ₄	Aminomalonic acid	YJS
152	C ₂₇ H ₃₀ O ₁₆	Luteolin-7-O-gentiobioside	HT	451	C ₆ H ₅ NO ₂	2-Picolinic acid	YJS
153	C ₂₇ H ₃₀ O ₁₆	Quercetin-3-O-rutinoside	HT	452	C ₅ H ₆ N ₂ O ₂	Imidazole-4-Acetic Acid	YJS
154	C ₂₇ H ₃₀ O ₁₆	Quercetin-3-O-neohesperidoside	HT	453	C ₆ H ₁₁ NO ₂	<i>L</i> -Pipelicolic Acid	YJS
155	C ₂₈ H ₃₄ O ₁₅	Hesperetin-7-O-neohesperidoside	HT	454	C ₅ H ₆ O ₄	Methylenesuccinic acid	YJS
156	C ₂₈ H ₃₄ O ₁₅	Hesperetin-7-O-rutinoside	HT	455	C ₆ H ₁₃ NO ₂	6-Aminocaproic acid*	YJS
157	C ₂₇ H ₃₁ O ₁₆ ⁺	Cyanidin-3-O-(2"-O-glucosyl)glucoside	HT	456	C ₅ H ₈ O ₄	4-Hydroxy-2-Oxopentanoic Acid	YJS
158	C ₂₇ H ₂₈ O ₁₇	Luteolin-6-C-(2"-glucuronyl)glucoside	HT	457	C ₅ H ₈ O ₄	2-Hydroxy-2-methyl-3-oxobutanoic acid	YJS
159	C ₂₈ H ₃₂ O ₁₆	Tamarixetin-3-O-rutinoside	HT	458	C ₅ H ₈ O ₄	Glutaric acid*	YJS
160	C ₂₈ H ₃₂ O ₁₆	Isorhamnetin-3-O-neohesperidoside	HT	459	C ₅ H ₈ O ₄	Dimethylmalonic acid	YJS
161	C ₂₈ H ₃₂ O ₁₆	Isorhamnetin-3-O-glucoside-7-O-rhamnoside	HT	460	C ₅ H ₈ O ₄	2-Methylsuccinic acid*	YJS
162	C ₂₈ H ₃₂ O ₁₆	Chrysoeriol-6,8-di-C-glucoside	HT	461	C ₄ H ₈ N ₂ O ₃	3-Ureidopropionic Acid	YJS
163	C ₂₈ H ₃₂ O ₁₆	Chrysoeriol-6-C-glucoside-4'-O-glucoside	HT	462	C ₄ H ₇ NO ₄	Iminodiacetic acid	YJS
164	C ₂₇ H ₃₀ O ₁₇	Quercetin-3,7-Di-O-glucoside	HT	463	C ₄ H ₆ O ₅	<i>L</i> -Malic acid	YJS
165	C ₂₇ H ₃₀ O ₁₇	Quercetin-3-O-sophoroside (Baimaside)	HT	464	C ₅ H ₁₀ O ₄	2,3-Dihydroxy-3-Methylbutanoic Acid	YJS
166	C ₂₈ H ₃₀ O ₁₇	Chrysoeriol-7-O-(2"-O-glucuronyl)glucoside	HT	465	C ₇ H ₁₃ NO ₂	1-Methylpiperidine-2-carboxylic acid	YJS
167	C ₂₉ H ₃₂ O ₁₇	Kaempferol-3-O-(6"-Acetyl)glucosyl-(1→3)-Galactoside	HT	466	C ₆ H ₈ O ₄	Trans-2-Butene-1,4-dicarboxylic Acid	YJS
168	C ₃₀ H ₃₀ O ₁₉	Luteolin-7-O-(6"-malonyl)glucuronide-5-O-rhamnoside	HT	467	C ₈ H ₁₆ O ₂	Valproic Acid*	YJS
169	C ₃₃ H ₄₀ O ₁₉	Luteolin-7-O-(2"-O-rhamnosyl)rutinoside	HT	468	C ₅ H ₁₁ N ₃ O ₂	4-Guanidinobutyric acid	YJS
170	C ₃₃ H ₄₀ O ₁₉	Kaempferol-3-O-rutinoside-7-O-rhamnoside	HT	469	C ₅ H ₆ O ₅	<i>α</i> -Ketoglutaric acid*	YJS
171	C ₃₃ H ₄₀ O ₁₉	Kaempferol-3-(2",6"-di-O-rhamnosyl)-glucoside	HT	470	C ₅ H ₆ O ₅	2-Methyl-3-oxosuccinic acid	YJS
172	C ₃₃ H ₄₂ O ₁₉	Naringenin-7-O-Rutinoside-4'-O-glucoside	HT	471	C ₆ H ₁₀ O ₄	2-Acetyl-2-Hydroxybutanoic Acid	YJS
173	C ₃₆ H ₃₆ O ₁₈	Isoorientin-7-O-(6"-p-coumaroyl)glucoside	HT	472	C ₆ H ₁₀ O ₄	2,2-Dimethylsuccinic acid*	YJS
174	C ₃₃ H ₄₀ O ₂₀	Kaempferol-3-O-sophoroside-7-O-rhamnoside	HT	473	C ₅ H ₈ O ₅	3-Methylmalic acid	YJS
175	C ₃₃ H ₄₀ O ₂₀	Kaempferol-3-O-rutinoside-7-O-glucoside	HT	474	C ₅ H ₈ O ₅	3-Hydroxyglutaric acid*	YJS
176	C ₃₃ H ₄₀ O ₂₀	Quercetin-3-O- <i>α</i> -rhamnosyl(1→2)-[<i>α</i> -rhamnosyl(1→6)]- <i>β</i> -glucoside	HT	475	C ₅ H ₈ O ₅	2-Hydroxyglutaric Acid*	YJS
177	C ₃₃ H ₄₀ O ₂₀	Kaempferol-3-O-neohesperidoside-7-O-glucoside	HT	476	C ₄ H ₆ O ₆	<i>L</i> -Tartaric acid	YJS
178	C ₃₃ H ₄₀ O ₂₀	Quercetin-3-O-rutinoside-7-O-rhamnoside	HT	477	C ₉ H ₁₀ O ₂	Benzyl acetate	YJS
179	C ₃₃ H ₄₀ O ₂₀	Kaempferol-3-O- <i>β</i> -glucosyl (1 →	HT	478	C ₈ H ₈ O ₃	2-Hydroxyphenylacetic acid*	YJS

No.	Formula	Compounds	Class	No.	Formula	Compounds	Class
		2)- β -galactoside-7-O- α -rhamnoside					
180	C ₃₃ H ₄₀ O ₂₀	Quercetin-3-O-(2"-O-Rhamnosyl)rutinoside	HT	479	C ₁₀ H ₁₆ O	cis-Citral	YJS
181	C ₃₃ H ₄₁ O ₂₀ ⁺	Cyanidin-3-O-(2"-O-glucosyl)rutinoside	HT	480	C ₈ H ₁₅ NO ₂	Tranexamic Acid*	YJS
182	C ₃₂ H ₃₈ O ₂₁	Quercetin-3-O-Sambubioside-5-O-Glucoside	HT	481	C ₇ H ₁₃ NO ₃	5-Acetamidopentanoic Acid	YJS
183	C ₃₂ H ₃₈ O ₂₁	Quercetin-3-O-xylosyl(1 $\rightarrow$ 2)glucosyl(1 $\rightarrow$ 2)glucoside	HT	482	C ₇ H ₁₃ NO ₃	2-Oxadipic acid	YJS
184	C ₃₇ H ₃₈ O ₁₈	Isovitexin-2"-O-(6'''-feruloyl)glucoside	HT	483	C ₇ H ₁₂ O ₄	Pimelic acid*	YJS
185	C ₃₇ H ₃₈ O ₁₈	Isorhamnetin-3-O-[2'''-O-(6"-p-coumaryl)glucosyl] rhamnoside	HT	484	C ₃ H ₅ O ₆ P	Phosphoenolpyruvate	YJS
186	C ₃₆ H ₃₆ O ₁₉	Kaempferol-3-O-(6'''-Caffeoyl)glucosyl-(1 $\rightarrow$ 2)- Galactoside	HT	485	C ₃ H ₇ O ₆ P	DL-Glyceraldehyde-3-phosphate	YJS
187	C ₃₃ H ₄₀ O ₂₁	Quercetin-3-O-sophoroside-7-O-rhamnoside	HT	486	C ₆ H ₆ O ₆	Trans-Citridic acid	YJS
188	C ₃₃ H ₄₀ O ₂₁	Kaempferol-3-O-sophorotrioside	HT	487	C ₆ H ₆ O ₆	Cis-Aconitic acid	YJS
189	C ₃₃ H ₄₀ O ₂₁	Quercetin-3-O-rutinoside-7-O-glucoside	HT	488	C ₇ H ₁₀ O ₅	Shikimic acid*	YJS
190	C ₃₃ H ₄₀ O ₂₁	Kaempferol-3-O-sophoroside-7-O-glucoside	HT	489	C ₈ H ₁₄ O ₄	Suberic Acid*	YJS
191	C ₃₃ H ₄₀ O ₂₁	Kaempferol-6,8-di-C-glucoside-7-O-glucoside	HT	490	C ₇ H ₁₂ O ₅	3-Isopropylmalic Acid*	YJS
192	C ₃₇ H ₃₈ O ₁₉	Kaempferol-3-O-(6"-Feruloyl)glucosyl-(1 $\rightarrow$ 4)-galactosid e	HT	491	C ₇ H ₁₂ O ₅	2-Isopropylmalic Acid*	YJS
193	C ₃₄ H ₄₂ O ₂₁	Isorhamnetin-3-O-rutinoside-4'-O-glucoside	HT	492	C ₇ H ₁₂ O ₅	2-Propylmalic Acid*	YJS
194	C ₃₄ H ₄₂ O ₂₁	Chrysoeriol-6,8-di-C-glucoside-4'-O-glucoside	HT	493	C ₆ H ₁₀ O ₆	D-Glucono-1,5-lactone	YJS
195	C ₃₆ H ₃₆ O ₂₀	Quercetin-3-O-(2'''-O-caffeoyl)sophoroside	HT	494	C ₉ H ₁₆ O ₄	Azelaic acid*	YJS
196	C ₃₇ H ₃₈ O ₂₀	Quercetin-3-O-(2'''-O-feruloyl)sophoroside	HT	495	C ₆ H ₈ O ₇	Citric Acid	YJS
197	C ₃₉ H ₅₀ O ₂₄	Luteolin-5,7-di-O-rutinoside	HT	496	C ₆ H ₈ O ₇	Isocitric Acid	YJS
198	C ₃₉ H ₅₀ O ₂₄	Kaempferol-3-O- β -glucosyl-(1 $\rightarrow$ 2)-[α -rhamnosyl(1 $\rightarrow$ 6)] - β -galactoside-7-O- α -rhamnoside	HT	497	C ₇ H ₁₂ O ₆	Quinic Acid	YJS
199	C ₄₂ H ₄₆ O ₂₃	Quercetin-3-O-(6"-O-p-coumaroyl)sophoroside-7-O- rhamnoside	HT	498	C ₁₀ H ₇ NO ₄	4,8-Dihydroxyquinoline-2-carboxylic acid	YJS
200	C ₃₉ H ₅₀ O ₂₅	Quercetin-3-O-glucosyl(1 $\rightarrow$ 4)rhamnoside-7-O- rutinoside	HT	499	C ₁₅ H ₂₀ O ₄	Abscisic acid*	YJS
201	C ₃₉ H ₅₀ O ₂₅	Quercetin-3-O-(2"-O-rhamnosyl)rutinoside-7-O- glucoside	HT	500	C ₁₆ H ₃₂ O ₃	2-Hydroxyhexadecanoic acid*	YJS
202	C ₄₃ H ₄₈ O ₂₃	Isorhamnetin-3-O-(6"-O-p-coumarol)sophoroside-7-O- rhamnoside	HT	501	C ₁₂ H ₂₀ O ₇	Triethyl citrate*	YJS

No.	Formula	Compounds	Class	No.	Formula	Compounds	Class
203	C ₃₉ H ₅₀ O ₂₇	Quercetin-3-O-gentiotetroside	HT	502	C ₁₀ H ₁₈ N ₄ O ₆	Argininosuccinic acid	YJS
204	C ₇ H ₇ NO	Benzamide*	FS	503	C ₆ H ₁₈ O ₂₄ P ₆	Phytic acid	YJS
205	C ₇ H ₆ O ₂	2-Hydroxybenzaldehyde*	FS	504	C ₁₁ H ₂₀ O ₂	10-Undecenoic acid*	ZZ
206	C ₇ H ₆ O ₂	4-Hydroxybenzaldehyde	FS	505	C ₁₁ H ₂₂ O ₂	Undecylic Acid*	ZZ
207	C ₇ H ₆ O ₂	Benzoic acid*	FS	506	C ₁₂ H ₂₄ O ₂	Dodecanoic acid*	ZZ
208	C ₆ H ₆ O ₃	1,3,5-Benzenetriol*	FS	507	C ₁₁ H ₂₀ O ₄	Undecanedioic acid*	ZZ
209	C ₈ H ₈ O ₂	4-Hydroxyacetophenone	FS	508	C ₁₄ H ₂₈ O ₂	Myristic Acid*	ZZ
210	C ₈ H ₈ O ₂	Phenyl acetate	FS	509	C ₁₅ H ₂₈ O ₂	Cis-10-Pentadecenoic Acid*	ZZ
211	C ₇ H ₇ NO ₂	4-Aminobenzoic acid*	FS	510	C ₁₆ H ₃₂ O	Palmitaldehyde	ZZ
212	C ₇ H ₇ NO ₂	Anthranilic Acid*	FS	511	C ₁₅ H ₃₀ O ₂	13-methylmyristic acid*	ZZ
213	C ₇ H ₆ O ₃	Protocatechualdehyde	FS	512	C ₁₅ H ₃₀ O ₂	Pentadecanoic Acid*	ZZ
214	C ₇ H ₆ O ₃	2,5-Dihydroxybenzaldehyde	FS	513	C ₁₃ H ₂₄ O ₄	Tridecanedioic acid*	ZZ
215	C ₇ H ₆ O ₃	4-Hydroxybenzoic acid*	FS	514	C ₁₆ H ₃₂ O ₂	Palmitic acid*	ZZ
216	C ₇ H ₆ O ₃	Salicylic acid*	FS	515	C ₁₄ H ₂₆ O ₄	1,14-Tetradecanedioic Acid*	ZZ
217	C ₈ H ₁₀ O ₂	4-Hydroxyphenylethanol	FS	516	C ₁₈ H ₃₈ O	1-Octadecanol	ZZ
218	C ₆ H ₅ NO ₃	4-Nitrophenol	FS	517	C ₁₈ H ₃₀ O ₂	Crepenynic acid*	ZZ
219	C ₁₀ H ₈ O	1-Naphthol*	FS	518	C ₁₈ H ₃₀ O ₂	Octadeca-11 <i>E</i> ,13 <i>E</i> ,15 <i>Z</i> -trienoic acid*	ZZ
220	C ₁₀ H ₈ O	2-Naphthol*	FS	519	C ₁₈ H ₃₀ O ₂	9 <i>Z</i> ,11 <i>E</i> ,13 <i>Z</i> -octadecatrienoic acid*	ZZ
221	C ₈ H ₄ O ₃	Phthalic anhydride	FS	520	C ₁₈ H ₃₀ O ₂	γ -Linolenic Acid*	ZZ
222	C ₉ H ₈ O ₂	Cinnamic acid*	FS	521	C ₁₈ H ₃₀ O ₂	α -Linolenic Acid*	ZZ
223	C ₉ H ₁₀ O ₂	<i>p</i> -Coumaryl alcohol*	FS	522	C ₁₈ H ₃₂ O ₂	(9 <i>Z</i> ,11 <i>E</i>)-Octadecadienoic acid	ZZ
224	C ₈ H ₈ O ₃	Methyl 4-hydroxybenzoate*	FS	523	C ₁₈ H ₃₂ O ₂	Linoleic acid	ZZ
225	C ₈ H ₈ O ₃	3-Methoxybenzoic acid*	FS	524	C ₁₈ H ₃₅ NO	9-Octadecenamide*	ZZ
226	C ₈ H ₈ O ₃	Isovanillin*	FS	525	C ₁₈ H ₃₄ O ₂	Petroselinic acid	ZZ
227	C ₈ H ₈ O ₃	4-Hydroxy-3-Methoxybenzaldehyde*	FS	526	C ₁₈ H ₃₄ O ₂	11-Octadecanoic acid	ZZ
228	C ₈ H ₈ O ₃	Anisic acid*	FS	527	C ₁₈ H ₃₆ O ₂	Stearic Acid	ZZ
229	C ₇ H ₆ O ₄	3,4-Dihydroxybenzoic acid*	FS	528	C ₁₆ H ₃₀ O ₄	Hexadecanedioic acid*	ZZ
230	C ₇ H ₆ O ₄	2,3-Dihydroxybenzoic Acid*	FS	529	C ₁₇ H ₃₄ O ₃	3-Hydroxy-palmitic acid methyl ester*	ZZ
231	C ₇ H ₆ O ₄	2,5-Dihydroxybenzoic acid*	FS	530	C ₁₆ H ₃₂ O ₄	10,16-Dihydroxypalmitic acid*	ZZ
232	C ₈ H ₁₀ O ₃	3,4-dihydroxy phenylethanol	FS	531	C ₁₈ H ₂₆ O ₃	4-Oxo-9 <i>Z</i> ,11 <i>Z</i> ,13 <i>E</i> ,15 <i>E</i> -Octadecatetraenoic Acid	ZZ
233	C ₈ H ₁₀ O ₃	Hydroxytyrosol	FS	532	C ₁₈ H ₂₈ O ₃	12-Oxo-phytodienoic acid*	ZZ
234	C ₁₀ H ₁₀ O ₂	4-Methoxycinna Maldehyde*	FS	533	C ₁₉ H ₃₂ O ₂	Methyl linolenate*	ZZ

No.	Formula	Compounds	Class	No.	Formula	Compounds	Class
235	C ₉ H ₈ O ₃	<i>α</i> -Hydroxycinnamic Acid*	FS	534	C ₁₈ H ₃₀ O ₃	9-Hydroxy-10,12,15-octadecatrienoic acid*	ZZ
236	C ₉ H ₈ O ₃	<i>p</i> -Coumaric acid*	FS	535	C ₁₈ H ₃₀ O ₃	9-Oxo-10 <i>E</i> ,12 <i>Z</i> -octadecadienoic acid*	ZZ
237	C ₉ H ₈ O ₃	2-Hydroxycinnamic acid*	FS	536	C ₁₈ H ₃₀ O ₃	13-Hydroxy-6,9,11-octadecatrienoic acid*	ZZ
238	C ₉ H ₈ O ₃	Caffeic aldehyde*	FS	537	C ₁₈ H ₃₀ O ₃	13 <i>S</i> -Hydroxy-9 <i>Z</i> ,11 <i>E</i> ,15 <i>Z</i> -octadecatrienoic acid*	ZZ
239	C ₈ H ₇ NO ₃	2-(Formylamino)benzoic acid*	FS	538	C ₁₈ H ₃₀ O ₃	13-KODE*	ZZ
240	C ₈ H ₆ O ₄	Phthalic acid*	FS	539	C ₁₈ H ₃₀ O ₃	Rabdosia acid A	ZZ
241	C ₈ H ₆ O ₄	Terephthalic acid*	FS	540	C ₁₈ H ₃₀ O ₃	17-Hydroxylinolenic acid*	ZZ
242	C ₉ H ₁₀ O ₃	4'-Hydroxy-3'-methoxyacetophenone*	FS	541	C ₁₈ H ₃₀ O ₃	2 <i>R</i> -hydroxy-9 <i>Z</i> ,12 <i>Z</i> ,15 <i>Z</i> -octadecatrienoic acid*	ZZ
243	C ₉ H ₁₀ O ₃	Methyl anisate*	FS	542	C ₁₈ H ₃₂ O ₃	9-Oxo-12 <i>Z</i> -Octadecenoic acid*	ZZ
244	C ₁₀ H ₁₄ O ₂	1-(4-Methoxyphenyl)-1-propanol*	FS	543	C ₁₈ H ₃₂ O ₃	15(<i>R</i>)-Hydroxylinoleic Acid*	ZZ
245	C ₈ H ₉ NO ₃	2-Amino-3-methoxybenzoic acid*	FS	544	C ₁₈ H ₃₂ O ₃	9(10)-EpOME*	ZZ
246	C ₈ H ₈ O ₄	3,4-Dihydroxybenzeneacetic acid*	FS	545	C ₁₈ H ₃₂ O ₃	13(<i>S</i>)-HODE*	ZZ
247	C ₈ H ₈ O ₄	Gallacetophenone*	FS	546	C ₁₈ H ₃₂ O ₃	9 <i>S</i> -Hydroxy-10 <i>E</i> ,12 <i>Z</i> -octadecadienoic acid*	ZZ
248	C ₈ H ₈ O ₄	Homogentisic acid*	FS	547	C ₁₈ H ₃₂ O ₃	12,13-Epoxy-9-Octadecenoic Acid*	ZZ
249	C ₈ H ₈ O ₄	Protocatechuic Acid Methyl Ester*	FS	548	C ₁₈ H ₃₄ O ₃	Ricinoleic acid*	ZZ
250	C ₈ H ₈ O ₄	Vanillic acid*	FS	549	C ₂₀ H ₄₂ O	1-Eicosanol	ZZ
251	C ₇ H ₆ O ₅	Gallic acid*	FS	550	C ₁₈ H ₃₆ O ₃	2 <i>R</i> -Hydroxyoctadecanoic Acid*	ZZ
252	C ₁₀ H ₁₀ O ₃	Trans-4-Hydroxycinnamic Acid Methyl Ester*	FS	551	C ₁₈ H ₃₆ O ₃	<i>DL</i> -2-hydroxystearic acid*	ZZ
253	C ₁₀ H ₁₀ O ₃	4-Methoxycinnamic acid*	FS	552	C ₁₈ H ₃₆ O ₃	3-Hydroxyoctadecanoic Acid*	ZZ
254	C ₁₀ H ₁₀ O ₃	<i>p</i> -Coumaric acid methyl ester*	FS	553	C ₂₀ H ₃₀ O ₂	Cis-5,8,11,14,17-Eicosapentaenoic Acid	ZZ
255	C ₉ H ₈ O ₄	Caffeic acid*	FS	554	C ₁₇ H ₃₄ O ₄	1-Monomyrustin*	ZZ
256	C ₁₀ H ₁₂ O ₃	Propyl 4-hydroxybenzoate*	FS	555	C ₂₀ H ₃₂ O ₂	Arachidonic Acid	ZZ
257	C ₁₀ H ₁₂ O ₃	Coniferyl alcohol	FS	556	C ₂₀ H ₃₆ O ₂	Eicosadienoic acid	ZZ
258	C ₉ H ₁₀ O ₄	Syringaldehyde*	FS	557	C ₁₈ H ₃₀ O ₄	9-Hydroperoxy-10 <i>E</i> ,12,15 <i>Z</i> -octadecatrienoic acid*	ZZ
259	C ₉ H ₁₀ O ₄	Methyl 2,4-dihydroxyphenylacetate	FS	558	C ₁₈ H ₃₀ O ₄	9-Hydroxy-12-oxo-10(<i>E</i>),15(<i>Z</i>)-octadecadienoic acid*	ZZ
260	C ₉ H ₁₀ O ₄	3,4-Dimethoxybenzoic acid*	FS	559	C ₁₈ H ₃₀ O ₄	13(<i>S</i>)-hydroperoxy-(9 <i>Z</i> ,11 <i>E</i> ,15 <i>Z</i>)-octadecatrienoic acid*	ZZ
261	C ₉ H ₁₀ O ₄	3-(3-Hydroxyphenyl)-3-hydroxypropanoic acid	FS	560	C ₁₈ H ₃₂ O ₄	7 <i>S</i> ,8 <i>S</i> -DiHODE*	ZZ
262	C ₉ H ₁₀ O ₄	2,6-Dimethoxybenzoic acid*	FS	561	C ₁₈ H ₃₂ O ₄	9-Hydroxy-13-oxo-10-octadecenoic Acid*	ZZ
263	C ₈ H ₈ O ₅	Methyl gallate*	FS	562	C ₁₈ H ₃₂ O ₄	5 <i>S</i> ,8 <i>R</i> -DiHODE*	ZZ
264	C ₁₀ H ₁₀ O ₄	Ferulic acid*	FS	563	C ₁₈ H ₃₂ O ₄	9-Hydroxy-12-oxo-15(<i>Z</i>)-octadecenoic acid	ZZ
265	C ₁₀ H ₁₀ O ₄	Isoferulic Acid*	FS	564	C ₁₈ H ₃₂ O ₄	13 <i>S</i> -Hydroperoxy-9 <i>Z</i> ,11 <i>E</i> -octadecadienoic acid*	ZZ
266	C ₁₀ H ₁₀ O ₄	Dimethyl phthalate	FS	565	C ₁₈ H ₃₄ O ₄	12,13-DHOME*	ZZ

No.	Formula	Compounds	Class	No.	Formula	Compounds	Class
267	C ₁₀ H ₁₀ O ₄	Methyl caffeate*	FS	566	C ₁₈ H ₃₄ O ₄	Hydroxy ricinoleic acid	ZZ
268	C ₁₀ H ₁₂ O ₄	Dihydroferulic Acid	FS	567	C ₁₈ H ₃₂ O ₅	9,12,13-Trihydroxy-10,15-octadecadienoic acid*	ZZ
269	C ₉ H ₁₀ O ₅	Syringic acid*	FS	568	C ₁₈ H ₃₄ O ₅	9,10,11-Trihydroxy-12-octadecenoic acid*	ZZ
270	C ₁₄ H ₂₂ O	2,4-Di-Tert-Butylphenol*	FS	569	C ₁₈ H ₃₄ O ₅	9,10,13-Trihydroxy-11-Octadecenoic Acid*	ZZ
271	C ₁₄ H ₂₂ O	2,6-Di-tert-butylphenol*	FS	570	C ₁₉ H ₃₈ O ₄	Monopalmitin*	ZZ
272	C ₁₁ H ₁₂ O ₄	Sinapinaldehyde*	FS	571	C ₂₀ H ₃₀ O ₄	20-Carboxyarachidonic Acid*	ZZ
273	C ₁₁ H ₁₂ O ₄	Ferulic acid methyl ester*	FS	572	C ₂₁ H ₃₆ O ₄	2- α -Linolenoyl-glycerol*	ZZ
274	C ₁₁ H ₁₄ O ₄	Sinapyl alcohol	FS	573	C ₂₁ H ₃₆ O ₄	1- α -Linolenoyl-glycerol	ZZ
275	C ₁₁ H ₁₄ O ₄	Methyl 3-(3-hydroxy-4-methoxyphenyl)propanoate	FS	574	C ₂₁ H ₃₈ O ₄	1-Linoleoylglycerol*	ZZ
276	C ₁₁ H ₁₂ O ₅	Sinapic acid*	FS	575	C ₂₁ H ₃₈ O ₄	2-Linoleoylglycerol*	ZZ
277	C ₁₁ H ₁₄ O ₅	3,4'-Dihydroxy-3',5'-dimethoxypropiophenone	FS	576	C ₂₇ H ₄₆ O ₉	2- α -Linolenoyl-glycerol-1-O-glucoside	ZZ
278	C ₁₁ H ₁₀ O ₆	Benzoylmalic acid	FS	577	C ₂₇ H ₄₈ O ₉	2-Linoleoylglycerol-1-O-glucoside	ZZ
279	C ₈ H ₁₄ O ₈	Mucic acid Dimethyl Ester	FS	578	C ₃₃ H ₅₆ O ₁₄	2- α -Linolenoyl-glycerol-1,3-di-O-glucoside	ZZ
280	C ₁₅ H ₁₆ O ₃	Desoxyhemigossypol	FS	579	C ₃₃ H ₅₈ O ₁₄	2-Linoleoylglycerol-1,3-di-O-glucoside	ZZ
281	C ₁₁ H ₁₀ O ₇	Benzoyltartaric acid*	FS	580	C ₆ H ₆ O ₃	5-Hydroxymethylfurfural	QT
282	C ₁₂ H ₁₆ O ₆	Phenyl- β -D-glucopyranoside	FS	581	C ₅ H ₁₁ N ₃ O	4-Guanidinobutanal	QT
283	C ₁₁ H ₁₀ O ₈	4-Hydroxybenzoyltartaric acid	FS	582	C ₁₀ H ₁₂ O ₄	Acetosyringone	QT
284	C ₁₂ H ₁₆ O ₇	Arbutin*	FS	583	C ₁₄ H ₁₈ O	2-Pentyl-3-phenyl-2-propenal*	QT
285	C ₁₆ H ₁₈ O ₄	4,4'-Dihydroxy-3,5-dimethoxybibenzyl*	FS	584	C ₁₀ H ₁₃ N ₅ O ₄	Vidarabine	QT
286	C ₁₆ H ₂₂ O ₄	Butyl isobutyl phthalate*	FS	585	C ₁₅ H ₁₆ O ₅	3'-Methyl-4'-phthalide	QT
287	C ₁₆ H ₂₂ O ₄	Diisobutyl phthalate*	FS	586	C ₁₁ H ₂₂ N ₂ O ₄ S	Pantetheine	QT
288	C ₁₆ H ₂₂ O ₄	Dibutyl phthalate*	FS	587	C ₁₈ H ₁₆ O ₃	6-Methoxy-2-(2-phenylethyl)chromone*	QT
289	C ₁₃ H ₁₂ O ₇	<i>p</i> -Coumaroylmalic acid*	FS	588	C ₁₉ H ₂₀ O ₂	1-phenyl-7-(4-hydroxyphenyl)-4-ene-3-heptanone	QT
290	C ₁₇ H ₁₇ NO ₃	4-Hydroxycinnamic acid*	FS	589	C ₁₇ H ₁₈ O ₄	6,7-cis-Dihydroxy-2-(2-phenylethyl)-5,6,7,8-tetrahydrochromone	QT
291	C ₁₄ H ₂₀ O ₆	2-Phenylethyl β -D-glucopyranoside*	FS	590	C ₁₉ H ₁₆ O ₃	1,7-Bis-(4-hydroxyphenyl)-2,4,6-heptatrienone	QT
292	C ₁₃ H ₁₆ O ₈	4-O-Glucosyl-4-hydroxybenzoic acid	FS	591	C ₁₅ H ₁₀ O ₇	3,5,7,4'-Tetrahydroxy-Coumaronochromone	QT
293	C ₁₃ H ₁₆ O ₈	1-O-Salicyloyl- β -D-glucose	FS	592	C ₁₆ H ₁₂ O ₇	Capillarisin*	QT
294	C ₁₃ H ₁₆ O ₈	Salicylic acid-2-O-glucoside	FS	593	C ₁₅ H ₂₁ NO ₇	N-benzoyl-2-aminoethyl- β -D-glucopyranoside	QT
295	C ₁₈ H ₂₀ O ₄	Doitungbiphenyl A*	FS	594	C ₂₀ H ₂₀ O ₇	4-Ketopinoresinol*	QT
296	C ₁₃ H ₁₈ O ₈	4-O-Glucosyl-3,4-dihydroxybenzyl alcohol	FS	595	C ₁₇ H ₂₂ O ₁₀	10-Dehydrogeniposide	QT

No.	Formula	Compounds	Class	No.	Formula	Compounds	Class
297	C ₁₄ H ₁₄ O ₈	Feruloylmalic acid	FS	596	C ₁₉ H ₃₀ O ₈	Roseoside	QT
298	C ₁₄ H ₁₈ O ₈	Methyl salicylate-2-O-glucoside*	FS	597	C ₁₇ H ₂₄ O ₁₀	Majoroside	QT
299	C ₁₃ H ₁₆ O ₉	1-O-Galloyl-rhamnose	FS				

node:*Compounds screened on behalf of the network pharmacology; SWJ: Alkaloids; HT: Flavonoids; FS: Phenolic acid; KT:Quinones ; TL: Terpenoids; YJS: Organic acids; ZZ: Lipids; QT:Others.

Table S2 *A. forrestii* compounds and heart failure disease related targets

Compounds Related Targets				Heart Failure Disease Related Targets						Compounds-Disease Targets	
DRD2	DRD4	ADRB2	ADRB1	PPARGC1A	ADRB1	GRK2	ACE	AGT	AGTR1	DRD2	PIK3CG
DRD3	DRD1	TBXA2R	SIGMAR1	EDN1	HIF1A	IL6	NOS3	NPPA	NPPB	ADRB2	EDNRA
SLC6A3	DRD5	ADRA1D	ADRA1A	ATP2A2	TNF	CCL2	HMOX1	SOD2	MSTN	ADRB1	NR1H3
ADRB3	PRCP	ADRA1B	SLC6A4	ADRB3	HTR2B	RAC1	CRP	CCN2	EDNRA	ADRA1D	SLC5A1
OPRM1	OPRK1	ESR2	PNMT	ALB	GCG	NRG1	IL1B	NR3C2	PIK3CG	ADRA1A	MAPK9
DHCR7	CHRM4	BCHE	ACHE	AVP	PTH	REN	VEGFA	ADIPOQ	GDF15	ADRB3	AGPAT2
KCNN1	KCNN3	KCNN2	OPRD1	SIRT1	PPARG	PPP1R1A	ADRA2C	CYBB	NFE2L2	SLC6A4	VCP
F3	SLC6A2	HTR1A	ESR1	PTGS2	NOX4	SLC9A1	TNFRSF1 A	UCN2	NOS2	OPRM1	GHSR
RBBP9	ADRA2A	ADRA2C	ABCB1	SERPINE1	PON1	PRL	EDNRB	VWF	PEBP1	ESR2	PLA2G7
HCRTR2	HCRTR1	MAOA	MTNR1B	RETN	TLR2	CS	CSF2	EPHX2	GSK3B	CHRM4	EPHX2
OPRL1	SLC47A1	CHRNA3	CDK5R1	IFNG	CXCL8	NPR1	OLR1	POMC	AVPR2	BCHE	GRIN1
CYP11B1	CYP11B2	AOC3	CYP51A1	RBP4	XDH	CSF3	CFD	GATM	ACACA	ACHE	MMP7
CYP2C9	CDC7	CA2	CA1	ACADS	SOD3	TNNT2	UCP1	NRIP1	CAT	OPRD1	HRAS
PDE10A	LRRK2	HSD17B2	JAK3	HAND2	ROCK2	FBLN5	DSTN	CIDEA	ADM	F3	ADORA2B
JAK1	JAK2	TYK2	HMOX1	ADRB2	FASN	BAMBI	NOX1	GPX4	CXCL2	SLC6A2	THRA
FKBP1A	ABCC9	AR	CYP17A1	APCS	HSPB1	APOC1	IGF1	INS	ITGB1	ESR1	LTA4H
TOP2A	KCNJ11	BRD4	BRD2	LGALS3	MME	MMP9	ACLY	ATP1A3	ATP2A1	ADRA2C	DGAT1
CHEK1	CASP1	CES1	CES2	PCK1	PDGFRA	PDPK1	GHRL	PLAT	PLN	ABCB1	CPT1B
KCNE1	EWS-Fli1	PARP1	MTNR1A	PRKAR2B	MAP2K7	TBX20	PTGS1	ACE2	RYR2	HCRTR2	GLP1R
PSEN2	NR3C1	FLT1	KIT	SCN5A	SOD1	SOX4	TP53	ELOVL6	CSRP3	MAOA	CACNA1B
PYGL	BDKRB1	CALM1	PKM	CALR	FIP1L1	CASP3	KAT8	APLN	PRKCA	OPRL1	PRKCB
PIK3CD	PRKDC	PIK3CB	CYP2C19	SLC8A1	IL10	MTPN	ERBB2	IL17A	MMP2	SLC47A1	FLT4
CSNK2A1	HTR4	PTGS2	CHRNA4	POSTN	SIRT3	NR3C1	MYH6	MYH7	CASQ2	CYP11B1	MAP3K11
NQO2	FYN	EGFR	CA6	HSF1	MMP1	PRKCB	TIMP1	AGTR2	ALOX15	CYP11B2	NAMPT
CA12	CA5B	CA5A	CA9	GNAQ	NOS1	NPY	TNFRSF11 B	SCD	BNIP3	AOC3	CCR5
CA4	FFAR1	FABP4	FABP3	ADAM17	PARP1	ENG	HMGB1	HP	MAS1	CYP2C9	CYP3A4
PPARA	PPARD	FABP5	FABP2	NCAM1	OPA1	P2RX4	FXYP1	BCL2	TH	CA2	FASN

Compounds Related Targets				Heart Failure Disease Related Targets						Compounds-Disease Targets	
HSD11B1	VDR	POLB	GPBAR1	TIMP2	UCP3	CORIN	CX3CR1	ECE1	ERBB4	CA1	PDE4A
SLC22A6	CA3	IDO1	PRKCA	HTR2A	IL6R	KCNE1	KCNK2	ARRB1	PGF	PDE10A	ROCK2
PRKCG	PRKCE	PRKCH	PRKCCQ	PPP1CC	BAX	SRI	TIMP4	DDR1	DYNLL1	JAK2	ROCK1
SIRT2	PAM	PRKCD	PTPN1	CASP12	RAMP2	CHRM4	CHRNA4	CYP11B1	DIO3	HMOX1	HDAC6
UGT2B7	HMGCR	FAAH	SRC	ACAN	DNMT1	ENDOG	TUBB	FKBP1B	NPTXR	FKBP1A	SLC33A1
ACACB	LPAR6	LPAR5	ACP1	FOS	ALOX12	FTH1	BIRC5	FAS	FASLG	ABCC9	PIM1
MAPK14	IL2	AKT1	PPM1B	LIF	MDH2	MMP8	MMP13	MMP14	MYOD1	AR	ACACA
PPP1CC	ABL1	PPP5C	PPP1CA	NGFR	PLCD1	PLD2	MED1	RNLS	GRK1	KCNJ11	ALOX15
S1PR3	S1PR1	ITGAL	F10	SCN8A	SELP	UCP2	FOSL1	OGT	BECN1	BRD4	TTR
LPAR2	CNR1	CNR2	ALOX5	NOS1AP	TOMM70	CDKN2B-A S1	SLC39A8	TCF7L2	FTO	CASP1	ALOX12
PTGES	PTPN2	TRPV1	HPGD	ZGLP1	C8orf37-AS1	CERT1	LINC0178 2	LIPC-AS1	CXCR6	CES1	BRAF
AVPR1A	GRM2	SRD5A1	MAPK8	CMTM7	MAPK14	CST3	ADRA1A	ADRA2B	OTUD7A	KCNE1	ANPEP
ERBB2	LPAR3	LPAR1	LPAR4	DMD	DNAH8	DPP4	DSPP	APLNR	CELSR2	PARP1	ALB
MTOR	PIK3CA	ENPP2	PREP	SIK3	COPD	GCKR	GH1	GJA1	AMPD1	PSEN2	PTK2B
SCN9A	AURKB	CHUK	AURKAIP1	GLP1R	ANGPT1	ANGPT2	GPR42	GRK5	GRHL1	NR3C1	RET
SCN5A	GPR119	RBP4	MAP2	IL1A	ITPK1	LCN2	LIPC	FADS1	LMNA	FLT1	SGK1
MAP2K1	PFKFB3	CDK6	CDK4	MIR21	MYBPC3	ZFH3	ATP2B1	MIR423	POLK	KIT	MYLK
EPHX1	CSNK1D	GSK3A	CDK2	PIK3CA	PIK3CB	PIK3CD	PLCG1	SEMA5B	PPARA	BDKRB1	LIMK1
CDK7	CDK9	IKBKE	PLK4	CHDH	MAML3	ZCCHC8	ANKS1B	ACKR3	CPNE5	CALM1	DMPK
STK16	TTK	CDK5	SLC8A1	SUGP1	REG1A	RFC1	ACTB	S100A1	SLC5A2	PIK3CD	SELP
CLK4	CLK1	CLK2	CLK3	SLC6A8	SSTR4	ST2	BRS3	TGFB1	TLR4	PIK3CB	RELA
CDK3	CDK16	MAPK15	CDK18	TM7SF2	TNNI3	TTN	TTR	VPS51	BEST1	CYP2C19	NFE2L2
MAPK7	TBK1	DYRK1B	CDK17	CA5A	SLC30A3	FSD1	EHMT1	CALCR	NUBPL	HTR4	CYP1A1
FLT3	CSF1R	S1PR5	S1PR4	FGF23	C1orf21	FSD1L	ALDH1A2	ZPR1	BAZ1B	PTGS2	TGM2
MDM2	PAK1	DHODH	ABCC1	LPAR2	CYTH3	ADAMTSL 1	FADS2	BAG3	CELSR1	CHRNA4	EP300
PTGS1	KDM4E	KDM4A	FEN1	DECR1	DES	IL18	LEP	CAD	DNM1L	EGFR	COMT
DDO	CAD	AKR1C3	AKR1C2	CYP11B2	HLA-C	GOLGA6A	APRT	KNG1	MIR25	CA5A	MB
PTGER4	KDM5C	KDM4B	KDM5B	MFAP1	MUC2	ATM	RCBTB1	MARCKSL1	AHSA1	FABP4	PLEC
P4HTM	ERCC5	GBA	AKR1B10	MRGPRX3	MRGPRX4	GPR151	CRK	OXER1	AGER	FABP3	ACE

Compounds Related Targets				Heart Failure Disease Related Targets						Compounds-Disease Targets	
EGLN1	CA7	CA14	LDHA	AKT1	ALDH2	GPRC6A	LPAR3	RNF19A	MRGPRX1	PPARA	ESRRA
LDHB	GABRA1	HTR2B	GABRB3	POLDIP2	LOX	VN1R17P	GPR166P	MAPK1	LGR6	PPARD	EPHA3
HTR2C	PPARG	PTPN6	TERT	BDNF	SPP1	STAT3	AIMP2	FZD4	GRAP2	HSD11B1	CHEK2
SCD	PDE4D	FABP1	RORC	PGR-AS1	UTS2	GABPA	GATA4	HAVCR1	HSPB7	VDR	PDK1
FNTA	CYP19A1	PTPRF	PTGIR	KLF15	HGF	MEF2A	SGCD	UTRN	PDE5A	GPBAR1	BCL2
FDFT1	PLA2G1B	PTPN11	MCL1	SLC33A1	LRPPRC	MTCO2P12	CHGA	ERCC8	PPARGC1B	SLC22A6	HDAC8
SHBG	G6PD	IL6	SERPINA6	CRMP1	CSH1	CSH2	CTF1	CYP2D6	EGFR	CA3	FOXO1
GLUL	IMPDH2	CYP26B1	CYP26A1	DAPK2	MTOR	PCSK9	BIN1	HSPA4	HSPA9	PRKCA	OGT
CDC25B	PTGER2	PDE4B	TOP1	IL6ST	MIR214	MPO	COX2	NM	PKP2	PAM	CAPN1
CD81	MAPK3	TBXAS1	TGFBR1	CCHCR1	PRKAA2	JPH2	MIR499A	SHBG	SRF	PRKCD	NOX4
GRK6	PIN1	GCGR	MMP12	TRPC3	DENR	CAV3	SELENBP1	MFN2	MIR665	PTPN1	NQO1
PTGDR2	ADAM17	HNF4A	KDM7A	HCN4	FSTL1	PRRT2	SERPINA3	DSP	EPO	UGT2B7	MMP14
CMA1	CTSG	DUSP3	PTPN22	MMRN1	BRD4	ANKRD1	ANXA5	APOE	IL4	HMGCR	GPR35
PTPN9	PGR	HSD11B2	SRD5A2	INSRR	LPA	MIR150	MIR221	MIR34A	SMAD3	MAPK14	NOS2
PDE5A	MME	PDE7A	NPC1L1	NFKB1	NPPC	NPR2	PITX2	PRKAA1	CENPJ	IL2	ARG1
CDC25A	OXER1	RXRA	PTGER1	PRKD1	PTEN	ATXN1	SDC4	BRCA1	TAC1	AKT1	AVPR2
MKNK2	HDAC1	CREBBP	SCN10A	TAZ	TFAM	TNFRSF1B	TRPC6	XBP1	ARHGEF5	PPP1CC	XDH
ADORA3	ITGB1	STS	RXRG	PPP1R2C	TIMELESS	IL33	MUC16	CD34	CD36	ABL1	IKBKB
RARB	KDM2A	HSD17B3	GABBR1	TLX1NB	ABCB6	CDK9	FSTL3	FST	SEMA4D	PPP5C	NAE1
PHF8	NR1H4	GABRA2	CHRNA7	MORF4	NLRP3	IL34	SMYD1	GRK3	DBP	S1PR1	AGTR1
HAO1	PLA2G2A	PLG	GSTK1	AAVS1	PTK2B	FOXO3	IL37	RBM20	CHAMP1	F10	CPT2
PTGFR	CDC45	APP	TLR4	SETD2	HCRT2R	NR4A1	TLX2	IGFBP7	RND3	LPAR2	TP53
KDR	CDK1	MAPK1	SMG1	MIR126	MIR146A	MIR199A1	MIR199A2	MIR19A	MIR22	CNR2	ELANE
INSR	PDGFRA	FGFR2	CCNT1	MIR223	MAOA	MB	MAP3K5	MIF	NPR3	TRPV1	FGFR1
CTSL	KCNH2	CCND1	CCNB3	OSM	P2RX1	P2RX7	P2RY2	TNNI3K	TNFRSF12A	AVPR1A	SIRT1
CCND3	MET	GRIN2A	DYRK1A	SCARA3	PENK	ABCB1	SERPINA1	PIN1	MOV10L1	MAPK8	ITGA2B
GRIA2	ADORA2A	CTSK	CTSS	KRT20	RBFOX1	PPIA	TET2	PTPA	PRKAB1	ERBB2	SOAT1
CTSV	KARS	SYK	ZAP70	AXL	MAPK8	PSEN1	PNPLA2	PTPN1	MOK	LPAR3	CASR
TYRO3	MERTK	PRF1	GYS1	RLN2	ROS1	S100B	GINGF2	PINK1	SLC2A1	MTOR	ENPEP
SMO	PTK2	SLC16A1	ITK	SLPI	THBS2	TPI1	TPM1	CCR2	TXN	PIK3CA	KCNA5

Compounds Related Targets				Heart Failure Disease Related Targets						Compounds-Disease Targets	
EPHB4	IGF1R	CCKBR	CTSB	TRPV1	CCK	DNER	MS4A1	ACVRL1	HDAC4	SCN5A	ICAM1
GABRA5	PGGT1B	PRKD1	RAF1	MIR208B	C20orf181	HDAC5	P2RX5-TA X1BP3	GDF11	NOD1	RBP4	VCAM1
CCR1	CXCR2	AURKA	KMO	RACK1	SPON1	ATG7	SLC35A1	SLCO1B1	CST12P	MAP2K1	SELE
AKR1B1	KDM4D	KDM4C	HCAR2	CTCF	RIPK3	CHI3L1	ADCY6	CHEK2	UCN3	GSK3A	F13A1
HCAR3	AKR1A1	RNPEP	GRK2	CNP	CP	CPB1	CREM	CRH	CRHR2	CDK9	SIRT3
PARP10	FDPS	PARP14	ALPL	CRX	CRYGC	CTNNA1	CTNNB1	CTSD	CYP1B1	SLC8A1	P2RX7
NOTUM	CCR2	CSNK2A2	CPB2	CYP2J2	TMTC3	DBH	NQO1	DSG2	DUSP1	TBK1	PDE3A
CPN1	MMP8	TAAR1	MAOB	S1PR1	ELAVL2	CRYGEP	ENPEP	ERN1	FBL	MDM2	GLA
KDM1A	CYP2A6	HTR2A	TYR	ALAS2	F2RL1	F8	F10	RBM24	FGF2	PTGS1	TNF
GAA	ADK	PNP	OGA	FGFR4	VEGFD	P2RX2	AKR1B1	MPRIP	MLC1	CAD	EDNRB
CDA	GAPDH	TK1	MANBA	ANGPTL2	NNT	FXN	ABCA4	G6PD	GAS6	PTGER4	PRKAA1
ADA	HSPA8	AHCY	FUCA1	GHSR	GNB3	ANG	PYCARD	TBK1	GSN	EGLN1	SLC18A3
HSPA5	GSK3B	DPP4	HK2	GSR	ANXA2	CFH	HFE	HRC	HSF2	HTR2B	CHRM2
HK1	GRK1	CA13	SLC5A2	HSPD1	APOA1	HTR4	TNC	ICAM1	ACADM	PPARG	CTSD
F2	DAO	VEGFA	FGF1	IGF2	IGFBP4	IGHG3	APP	CXCR2	ILK	TERT	REN
FGF2	HPSE	TYMS	AKR1C1	CXCL10	INSR	IRF1	ITGA2B	ITPR1	KCNH2	SCD	MAP2K7
MMP3	MMP9	MMP1	ACLY	LAMP2	LTBP2	LUM	MIR130B	MIR132	MIR155	PDE4D	RHOA
ERN1	MIF	MMP2	KDM3A	MIR18A	MIR195	MIR19B1	MIR210	MIR212	MIR216A	RORC	CASP3
KDM6B	FTO	TPMT	NGFR	MIR24-1	MIR27B	MIR29B1	MIR29B2	MIR30A	ARRB2	PTPN11	PTGIS
PTGER3	CPT1A	HSD17B1	ABCG2	STS	MECP2	MGP	KMT2A	ACHE	MMP3	SHBG	AMPD1
CYP1B1	ADORA1	CBR1	TAS2R31	MMP12	MIR340	MIR342	COX1	MYLK	CNOT3	G6PD	FFAR4
GRM5	BACE1	PLA2G5	PLA2G10	CCN3	ACR	NT5E	ATP2B4	TRIM72	MIR425	IL6	NLRP3
SERPINE1	MMP13	KLK1	KLK2	P2RX3	P2RX5	P2RY1	PCSK6	DUOX2	SERPINA5	MAPK3	GCK
PIK3CG	EDNRA	NTRK1	NR1H3	GAL	GP6	UBR5	PDE3A	PDE4A	PDE4D	TGFBF1	CAMK2D
SLC5A1	IDH1	MAPK9	PLK1	ISYNA1	PDE9A	SIRT6	PDK1	LUC7L3	PIM1	PIN1	GCG
AGPAT2	VCP	PDE2A	GHSR	PKD2	DUOX1	RNF111	CASZ1	AVPR1A	QRSL1	MMP12	NR3C2
BTK	PLA2G7	HRH3	PAOX	MFN1	ADCY10	ERBIN	MAPK3	SLC24A3	BIRC6	ADAM17	F9
CHRNA1	CHRNA4	CHRNA3	CHRNA2	HAMP	PTX3	CREBZF	ROCK1	HCN2	RPGR	CMA1	STAT5B
EPHX2	NAAA	DNM1	HSD17B7	BDH1	RYR1	CCL19	CCL21	PRDM16	TMBIM1	CTSG	BRS3
CHRM1	GRIN1	LCK	SLC5A4	SGK1	BMI1	SLC5A1	SLC6A2	SLC9A3	SLN	PTPN22	TSPO
TYMP	MMP7	HRAS	ADORA2B	BMPR2	SMARCA4	BNIP3L	STIM1	BSG	ZEB1	HSD11B2	ALDH2

Compounds Related Targets				Heart Failure Disease Related Targets						Compounds-Disease Targets	
SLC29A1	YWHAG	HDAC3	GIPR	ACTC1	TGM2	TIMP3	TLR3	TNNC1	TRAF6	PDE5A	CACNA2D1
RARG	RARA	THRA	THRB	TRPC1	TWIST1	SUMO1	UCN	UMOD	VDR	MME	P2RX3
LTA4H	DGAT1	CPT1B	PTGDR	VIP	WNT5A	CXCR4	GNPTAB	COL18A1	CAMK2D	OXER1	GSR
PTPN7	GLP1R	MGLL	CACNA1B	CAPN1	ARID1A	CASP1	HOPX	TNFRSF10B	CFLAR	CREBBP	LIPC
F2R	PRKCB	GPR88	FLT4	CCN5	P2RX6	NEXN	CD163	PPIG	LONP1	SCN10A	CFD
MAP3K11	MAP3K9	MAP3K10	ALK	HAND1	GAL3ST1	HDAC9	NR1H4	RNA18SN5	NR2E3	ADORA3	DPP9
NAMPT	CCR5	TACR1	CYP3A4	MIR675	MIR147B	MIR744	HDAC6	TRAP	HLP	ITGB1	XIAP
FASN	CYP24A1	PDE4A	PDE4C	MIR1306	NPPA-AS1	BACE1-AS	TMX2-CT NND1	PPR1	KLRC4-KLR K1	STS	NR1I2
HSD3B2	MAP3K14	HSP90AA1	ROCK2	FAME3	ABCC9	MIR4491	NR1H3	COX17	IL18BP	NR1H4	GLB1
ROCK1	LSS	NPY5R	SLC6A7	DPP3	LINC-ROR	NPY4R2	PPIF	OPN1MW3	HIPK3	PLA2G2A	NFKB1
HDAC6	SLC33A1	PIM1	ACACA	FRY	CDH15	NAMPT	RASA4	ATP6AP2	ALYREF	PLG	CTNNB1
PIM2	TDO2	ALOX15	TTR	AK6	CDK8	CALCOCO 2	CDKN1A	STUB1	SPEG	GSTK1	SLC47A2
ALOX12	WEE1	ALPG	PLAA	MARCHF6	CNPY2	KLF2	CDS1	RAPGEF3	YAP1	APP	CYP2D6
BRAF	ANPEP	HSP90AB1	TUBB1	PRMT5	LINC02210-CRH R1	CIB1	PERCC1	CXCL13	SLU7	TLR4	CXCR1
DCTPP1	ALB	PTK2B	MAPKAPK2	GNLY	SCGN	CETP	OGA	YME1L1	TCFL5	KDR	ADRA2B
MAP4K2	LNPEP	HTT	RET	CGB3	PDE10A	LILRB1	SUGT1	FASTK	PRDX3	MAPK1	SLCO1B1
TRPM8	QPCT	RPS6KA3	PIM3	CKAP4	PDXDC2P	FERMT2	LILRB4	LIAS	CHGB	INSR	ACE2
SGK1	MYLK	LIMK1	CDC42BPA	BVES	WDHD1	INSL6	MAP4K5	NISCH	USP18	PDGFRA	ECE1
TNK2	DMPK	SELP	FOLH1	CHRM2	LYST	ECD	ACOT7	AZIN2	HEAT2	FGFR2	NEK1
DHFR	RELA	TRPA1	NFE2L2	TXNRD3	FHAD1	C1QTNF1	OMA1	CIRBP	CISH	KCNH2	GUSB
ALDH1A1	CYP1A1	TDP2	RPS6KA5	ADCYAP1	ADCYAP1R1	ADD1	CLCN3	CLCNKA	CLU	ADORA2A	DNMT1
PARP2	TGM2	EP300	COMT	JAML	CMA1	JDP2	CCR4	CCR5	CCR7	CTSK	PGD
MB	ABAT	PLEC	CSNK1A1	DNAAF1	CNN1	CNR2	MYOM3	COL3A1	CMPK2	CTSS	STAT1
ACE	ALDH5A1	ESRRA	ESRRB	RBM45	COL11A2	KLF6	EMB	SLCO6A1	ADORA2A	SYK	PRMT1
EPHA2	YES1	BLK	CSK	ADORA2B	KLF14	CPT1A	CPT2	CRABP1	FUNDC1	PRF1	AXL
EPHB2	BMX	LYN	EPHA5	CRHR1	ASB14	CSE1L	CSF1	LGALS16	CTH	GYS1	CRHR1
EPHA4	TXK	FGR	EPHA6	CTNND1	CTRL	CTSB	CTSG	CTSK	GPBAR1	EPHB4	CFTR
PTK6	EPHB3	EPHA3	COQ8B	RMDN2	CTSS	PPM1K	CYP1A1	AMZ1	CYP2B6	IGF1R	TRPV4
EPHA1	CHEK2	PDK1	PRKACA	CYP2C19	CYP2E1	CYP3A4	CYP3A5	DAG1	DAO	CTSB	HIF1A

Compounds Related Targets				Heart Failure Disease Related Targets						Compounds-Disease Targets	
PRKCZ	BCL2L1	BCL2	HDAC8	DCN	WBP2NL	GADD45A	DDT	TIMM8A	SLC30A8	PRKD1	PLCG1
HSD17B14	RPS6KB1	FOXO1	MELK	HFM	ADAMTS16	PPP1R18	ASXL1	NLRP6	DLD	RAF1	PGF
RIPK2	LYPLA1	LYPLA2	PTAFR	DMPK	DNASE1	DNM2	DNMT3A	DRD2	JAG1	CXCR2	CYP1A2
CELA1	PCNA	OGT	F11	DUSP2	E2F6	ABCA1	EGR1	AHSG	EIF4EBP1	AKR1B1	PKN1
LTB4R	KIF11	CAPN1	NOX4	ELANE	ELAVL1	EMD	DHRS7C	CTTN	ENO2	GRK2	SHH
QDPR	UPP1	TNKS2	TNKS	PRSS55	EPHA3	EYA4	ESR1	ESR2	ESRRA	FDPS	UTS2R
MMP16	MMP15	NQO1	MMP14	ETS1	ETV3	ALCAM	F2	F9	FABP4	CCR2	KCNK2
MMP26	GPR35	PTPRS	MPG	FBLN1	TPCN2	ABCB7	FKTN	FDPS	FDXR	MMP8	PDE9A
SLC22A12	ODC1	AHR	NOS2	FGF4	FGF13	FGFR1	FKBP1A	FKBP1AP1	FKBP1AP2	CYP2A6	PDE1C
ARG1	AVPR2	GLO1	CAMK2B	FKBP1AP3	FKBP1AP4	KLRK1	TRIM32	FOXC1	MON2	HTR2A	MPO
APEX1	AKR1C4	XDH	IKBKB	PDS5B	FOXMI	FOXO1	FRMD4B	FLNA	GPD1L	GAA	NOS1
AMY1A	DAPK1	PCSK7	NAE1	FLT1	ARC	PDS5A	FMOD	NEDD4L	FN1	OGA	NOS3
ST6GAL1	NTRK2	PDGFRB	KCNMA1	UFL1	TRS-AGA2-3	SF3B1	POFUT1	SLC39A14	RBFOX2	GAPDH	RGS4
AGTR1	IMPDH1	CPT2	RCE1	DDAH1	SMUG1	AMACR	PHLDA3	BACE1	OSBP2	ADA	BRDT
TP53	SLC6A1	CTSA	NR0B2	IL17RA	DIANPH	BRD1	FRZB	ABL1	RICTOR	HSPA5	PLAU
ADAMTS4	ELANE	AMPD2	FGFR1	XRCC6	GAB1	GAD1	MTO1	TXN2	PART1	GSK3B	MEN1
PDE6D	ALOX5A P	SIRT1	ITGAV	GALNT1	AMBP	GAPDH	TOR1AIP1	LRIT1	GATA3	DPP4	C5AR1
ITGA2B	BACE2	SOAT1	CASR	OPTC	GC	GCH1	SLC17A5	OPN1MW	ITGB1BP2	HK2	TLR9
SLC6A12	ENPEP	HTR3A	CYP27A1	GDF2	GFAP	OPLAH	GHRH	CBLIF	FOXP1	GRK1	TNFRSF1A
PSMB5	MAPT	SNCA	SLC5A7	VPS4A	OXGR1	BMP10	EIF3K	MAT2B	TOR2A	SLC5A2	TRPC6
ADAMTS5	PTP4A3	KCNA5	TUBB3	GNA12	ABO	GOLGB1	GP1BA	SLCO1B3	NEAT1	F2	TRPC3
ICAM1	VCAM1	SELE	F13A1	CXCR3	UTS2R	GPR17	EMC10	SYPL2	BTBD8	DAO	SLC22A2
SIRT3	P2RX7	GPR55	BAZ2B	SLC9C1	GPR35	ANK2	GPT	SLC27A6	HIPK2	VEGFA	STAT3
CCNE1	DBF4	BAZ2A	PDE3A	ANPEP	GRIN1	UBE2T	LGALS13	CXCL1	GSK3A	FGF2	HSPA1A
PDE3B	CENPE	NPBWR1	GLA	GSTP1	GUCA2B	GNL2	GUSB	RMC1	MDFIC	MMP3	NISCH
FUCA2	MAN2B1	TNF	MAPK10	H2AX	HADHA	HADH	HDAC2	HDC	KCNIP3	MMP9	IGFBP3
RORA	EDNRB	S1PR2	PRKAG1	KCNIP2	EHD3	EHD2	ANXA6	HK2	HLA-DQA1	MMP1	TNNC1
PRKAA1	ITGA2	SELL	SLC18A3	HLA-DRB1	HMBS	HMGB2	HNRNPD	APOF	HRH2	ACLY	NR4A1
PLA2G4B	CHRM2	CHRM3	AGL	PRMT1	HSD11B1	HSPA5	XIAP	HSPG2	FFAR4	ERN1	PDPK1
KCNJ1	CTSD	PDE11A	REN	C1QTNF9	ID2	NRBP2	COL6A4P 1	MCIDAS	ACTBL2	MIF	GSTP1

Compounds Related Targets				Heart Failure Disease Related Targets						Compounds-Disease Targets	
SSTR5	CCNE2	MAP2K7	RHOA	IGF2R	IGFBP1	IGFBP2	IGFBP5	IKBKB	IL1RN	MMP2	SLC9A1
CASP3	PTGIS	GRB2	AMPD1	IL4R	IL11	AQP2	IL13RA1	ILF3	ITGB2	FTO	HDAC2
DPP7	CASP6	CASP7	CASP8	ITGB3	ITPR2	ITPR3	JAK2	JARID2	GSTK1	NGFR	SLC2A1
FFAR4	NLRP3	EBP	SQLE	KCNA2	KCND3	KCP	ENHO	KCNK3	KCNQ1	CPT1A	DUT
TACR2	SCP2	P2RY12	GCK	MALAT1	ARG1	RHOA	NPSR1	LAD1	LAMC2	ABCG2	NOD1
CAMK2D	SLC10A2	GCG	PLA2G4A	LCAT	LDLR	LEPR	LGALS1	LPL	LTBP3	CYP1B1	NOD2
HRH1	CCR3	NR3C2	RXRΒ	LY75	MIR100	MIR106B	MIR127	MIR134	MIR137	ADORA1	HRH2
DAGLA	F9	RASGRP3	BMP1	MIR142	MIR143	MIR144	MIR145	MIR148A	MIR17	BACE1	TH
POLA1	OAT	STAT5B	KMT5A	MIR182	MIR183	MIR185	MIR197	MIR199B	MIR20A	SERPINE1	ILK
BRS3	ITGB5	TSPO	HPGDS	MIR200B	MIR208A	MIR23A	MIR296	MIR30C1	MIR30C2	MMP13	
ALDH2	CACNA2D1	AMPD3	P2RX3	MIR30E	MIR33A	MIR93	MIR99A	TNFSF12-TNFSF13	ARSB		
AKT2	GSR	PTPRG	SAE1	MAP6	ARSD	MATN1	ARSL	MC4R	CD46		
LIPC	LIPG	SREBF2	NR1H2	SMCP	MDM2	ME1	MEF2C	MEOX1	MGAT1		
METAP1	CFD	GLRA1	HTR1D	MICE	CXCL9	MITF	MAP3K11	AFDN	MMP7		
HTR1F	SLC18A2	DPP8	DPP9	MPI	MRC1	PLIN5	POTEKP	LMOD2	MIR148B		
XIAP	BIRC2	MAN1B1	MAN2A1	MIR324	MIR328	MST1	MTTP	TRNT	MMUT		
MTAP	NR1I3	NR1I2	LIMK2	MYC	MYF6	MYL2	MYL3	MYL4	MYOC		
MMEL1	ITGB7	PTGES2	MPEG1	PPP1R12A	NAGLU	ATF3	NDUFAB1	NFATC2	NFATC4		
KAT2B	WDR5	PABPC1	GBA2	NFE2L1	NFIL3	NGF	NHS	NME3	NNMT		
GANAB	UGCG	GLB1	MGAM	NOTCH1	NOTCH3	ATP2A3	NRF1	MIR375	OGDH		
SI	GANC	NFKB1	CTNNB1	OGN	ATP5F1A	OPRD1	OPRM1	ORM1	ALDH7A1		
SLC47A2	SLC1A2	GRIK1	GRIK2	P4HB	FURIN	PAFAH1B1	NOX3	SYCP3	IL22		
GRM3	GRM6	GRM1	GRM8	PAM	PAPPA	AK3	NTM	APIP	PCMT1		
TRPV3	CYP2D6	CHRM5	TTL	RMDN1	ANGPTL4	UBAP1	BFAR	PDC	PDE1C		
ADCY1	CXCR1	HTR1B	HTR5A	TRPV2	PRKAG2	SUCO	UFM1	GDE1	NBAS		
HTR6	CTBP2	ADRA2B	RORB	KLF13	PDK4	NLK	CMPK1	RTKL1	MAP3K20		
GABRA3	GABBR2	GABRR1	SLC6A11	PF4	PFN1	PGK1	PIGF	PITX3	PKD1		
SLC6A13	CDC25C	SLCO1B1	PYGM	PLA2G2A	PLAU	TPCN1	PMP22	CNTN5	ACP5		
SORT1	KCNA3	METAP2	ACE2	TLR9	POLR2A	CYTL1	PON2	DDIT4	EGLN1		
KDM5A	GRM4	ECE1	HAO2	PPA1	UGT1A1	PPARD	PPBP	TRPM4	PPID		
CISD1	CCKAR	HTR7	PAK4	PPP1CB	MARCHF1	MOCOS	PPP1R3A	WIP1	SLC52A1		

Compounds Related Targets				Heart Failure Disease Related Targets						Compounds-Disease Targets
PITRM1	NEK1	GUSB	DNMT1	PPP1R7	AGGF1	RMDN3	PPP2R1A	ADI1	AVPR1B	
PGD	ST3GAL3	FUT7	FUT4	PPP3CA	PPP5C	IMPACT	PPT1	MEG3	NPY4R	
STAT1	MAP4K4	PRMT1	AXL	SRGN	SLC30A10	SYBU	ENAH	PRKCD	DCAF6	
CRHR1	CFTR	TRPV4	HIF1A	PKN1	USE1	BEX1	PKN2	ZKSCAN7	ZC4H2	
SOAT2	PLCG1	PGF	ADAM10	MAPK9	MAP2K3	PROC	YLPM1	METTL3	PRTN3	
HPRT1	INMT	CD38	CYP1A2	PSEN2	KCNK13	MAP3K7CL	FAM20C	CHPT1	PLSCR4	
PKN1	NEK2	NEK6	LAP3	PDSS2	BAD	PTGER4	PTHLH	MIR409	NLN	
FAP	SHH	UTS2R	SLC6A9	KCNT1	DPP10	PTN	PTPN11	PURB	PVALB	
CHRNA5	KCNK2	H1F0	GRIN2B	CXCL16	RHOA	MYL7	RBM25	RAB1A	ACTA2	
PDE9A	PDE1C	HRH4	MPO	RARRES2	CACNG6	BCL2A1	RELA	RENBP	RGS2	
PIK3R1	NUAK1	NOS1	NOS3	RGS4	RHD	RNASE3	RORC	RPE65	RPL32	
RGS4	BRDT	BRD3	DYRK2	RRAD	RYR3	S100A8	S100A12	SAT1	BGLAP	
CASP2	PLAU	GALR3	MEN1	BGN	SCN7A	CCL5	CX3CL1	SDC1	CXCL12	
PSMB1	C5AR1	ALDH3A1	RPS6KA2	SELE	NRON	POTEM	SFTPB	SFTPD	SGCA	
MCHR1	CTRC	TLR9	TMIGD3	SGTA	GIGYF1	GORASP1	SIX1	SLC4A3	WNK1	
CTSC	RGS8	TNFRSF1A	TRPC6	BMP4	SLC4A1	UBE2Z	SLC6A4	NCF1	SLC12A2	
TRPC3	MAPK11	NCEH1	PEPD	BMPR1A	SLC18A3	SLC22A5	SMPD2	SUMO3	SUMO2	
SLC22A2	SPHK2	STAT3	TEK	SOAT1	MIR539	SPARC	SPRR2B	SPTAN1	SPTBN1	
MAP3K8	HSPA1A	HTR1E	ICMT	SSB	BRCA2	STAT5A	STAT5B	STC1	SULT1E1	
NISCH	IGFBP3	PLA2G2C	TNNC1	STK11	STRN	SYK	SYT1	BTD	TAGLN	
EZR	NR4A1	STAT6	PTPRCAP	MIR92B	TEAD1	TERF2	TFPI	TFR2	TFRC	
PDPK1	GSTP1	GSTM2	ATR	TGFB2	THBS1	TSPO	THRA	TJP1	ACTG1	
PBRM1	CPA1	FBP1	CPA3	TMSB4X	TOP2B	TPT1	CRISP2	TRAF2	TRAF3	
SLC9A1	HIPK1	PORCN	CALCRL	C3AR1	ACTG2	MIR650	MIR652	C5AR1	OPN1MW2	
BRPF1	TDP1	HCK	PI4KB	UGT2B7	UVRAG	VCAM1	VCP	VDI	VEGFB	
HDAC2	PRSS3	PAK3	PAK2	VSNL1	NSD2	WNT1	WNT2	XIST	XRCC1	
MLNR	SLC2A1	PRSS1	DUT	YY1	YWHAE	CA3	PCGF2	ZBTB17	MAP3K12	
NOD1	NOD2	MMP25	HRH2	SCG2	SLMAP	MANF	VKORC1	REEP5	TMEM109	
TH	HDAC7	HDAC11	HDAC10	FKRP	MMP28	LAP	TFEB	CALCA	MYH14	
ADAM9	ILK			SHCBP1	CAAP1	ADM2	DGLUCY	ZC3H12A	CDK5RAP3	
				TCL1A	TXNDC5	UNC93B1	AKAP1	CAPG	RBM10	
				DYSF	CAST	BCL2L12	EVA1A	TCHP	CASR	

Compounds Related Targets	Heart Failure Disease Related Targets						Compounds-Disease Targets
	SPZ1	GTPBP3	ATP5MD	ORAI1	ADO	IKBKG	
	PLPP3	STC2	PSMG1	TP63	DGAT1	URI1	
	CBR3	TNFSF12	TNFSF10	CDS2	SUCLA2	PROM1	
	NR1I2	SPHK1	NAE1	WASF1	MLIP	MCU	
	CLDN10	DPP9	HGS	IL1RL1	MAP3K13	MYLK3	
	XPR1	MTG1	IL32	MSC	TIMM50	CD14	
	ORAI3	MYOCD	KL	CGB5	TSIX	CGB8	
	OPN4	ABCG2	TNFRSF8	FHL5	PICK1	SCARB2	
	TBPL1	BCAR1	CD40	AKAP12	CD44	ISG15	
	TGS1	FAM53B	CD68	CD69	KMT2B	MLEC	
	PIEZO1	BMS1	MED12	CCS	KCNE2	FGA	
	PLG	FGG	CA1	CACNA1C	CACNA1B	CACNB1	
	CACNA2D3	CYP2C8	SMPD1	CACNA1I	ABCB11	MTHFR	
	SLC15A1	SLC15A2	SLC12A1	CFTR	SLC12A4	SLC12A5	
	SLC10A1	SLC22A6	SLC22A8	SLC22A11	SLC22A7	SLCO1A2	
	UGT1A9	UGT2B4	ABCC2	LTA4H	BDKRB1	CYP1A2	
	CYP2A6	CYP2C9	ATP1A1	CYP11A1	SLCO4C1	SLC51A	
	SLC51B	UGT1A3	UGT1A8	SLCO2A1	PGD	CA2	
	SERPINA7	AOC3	P4HA1	SLC22A2	SLC22A1	SLC47A1	
	SLC29A4	SLC22A3	SLC47A2	ETFDH	GPD1	BCHE	
	CES1	NKX2-5	TBX5	GATA6	TTN-AS1	NODAL	
	TBX1	FBN1	GDF1	ZIC3	TERT	SMAD6	
	GJA5	GATA5	DNAH1	TBX4	COL2A1	ZFPM2	
	NKX2-6	NR5A1	KCNJ5	LDB3	CHD7	ELN	
	NR2F2	FLNC	MAP2K1	TRMU	KCNJ2	RTEL1-TNF RSF6B	
	SCN1B	TAB2	GLA	BRAF	KRAS	CITED2	
	APOB	B3GAT3	FABP3	ERCC6	BRF1	PIGL	
	FMR1	ACTN2	PARN	ABCC8	MAP2K2	RPL5	
	MYPN	TAFAZZIN	CERS1	VCL	PMS2	COL4A5	
	TMEM43	RAF1	CAV1	GAA	SMAD4	INPP5E	

Compounds Related Targets	Heart Failure Disease Related Targets						Compounds-Disease Targets
	RET	WT1	CHDS2	CHDS3	SOS1	FANCM	
	THBD	RERE	MHRT	TLL1	POLG	CEP290	
	BMP2	FOXL2	TERC	XRCC2	HRAS	NOD2	
	POF1B	MKS1	MT-ND1	MT-CYB	TCAP	JUP	
	WDPCP	BMP15	SURF1	DTNA	GYS1	SMAD2	
	F3	CHDS1	ENPP1	STAG3	DNAJC21	RINT1	
MIR320A	HLA-B	AFF4	FGF8	PFHB2	TRDN		
MT-TL1	CRELD1	B2M	DIPK1A	PTH1R	ISL1		
SDHA	MT-ATP6	MKKS	TSFM	KCNA5	LARS1		
CHAT	TGFBR2	TGFBR1	ACTA1	FLT4	MT-CO3		
TSC1	HADHB	PHOX2B	MYH11	CLIC2	MED13L		
KCNJ11	WDR19	SERPINC1	NOBOX	TSC2	NSD1		
F5	PPA2	SARS2	ERCC1	TKT	CFAP47		
SDHB	COL4A4	MT-CO1	PIK3C2A	CFC1	SHH		
KDR	GJD2-DT	MSH5	PMM2	BCS1L	DYNC2H1		
EVC2	TGFB3	MEFV	CRYAB	CDK13	FSHR		
POLR1C	CDH2	PTCH1	TAMM41	IFT172	CLCN5		
SELENON	TINF2	DZIP1	FOXF1	IL2	COL1A1		
AARS2	HJV	SLC25A4	C3	MT-ND4	MSH4		
PRKAR1A	LZTR1	SOX9	CREBBP	SPATA16	HBB		
PLOD1	LAMA2	MYSM1	MT-ND5	IFT74	CTLA4		
TMEM67	PLXND1	SCN4B	MYOT	SHOC2	HEG1		
NIPBL	KCNJ8	ACAD9	MT-ND6	ABCA3	HFM1		
CTNNA3	SCN3B	HMGCR	GDNF	IGHMBP2	FOXH1		
SPEF2	F7	EVC	GATA1	MT-CO2	MCM8		
HEY2	RASA1	EP300	KMT2D	CACNB2	GDF9		
FANCA	FANCC	GBA1	PEX6	ABCC6	FLNC-AS1		
CEP19	MIR140	CDKN1C	GLB1	COQ2	SOHLH1		
ARID1B	KAT6B	SCN2B	DSC2	MCM9	SBDS		
ADAMTS1							
3	H2AC18	C4A	TF	SRP72	RIT1		
MT-ND3	FOXP3	EDN3	HLA-DQB	LRRC56	TBX3		

Compounds Related Targets	Heart Failure Disease Related Targets						Compounds-Disease Targets
				1			
	TMEM260	TRIP4	FGFR3	SDHD	EPHB4	NOTCH2	
	SCO2	TBX2	SALL1	DCHS1	NDUFS4	MYLK2	
	PECAM1	ERCC6L2	CEP85L	CCR6	TEX15	MYRF	
	PAH	DNAJC19	NF1	SCN10A	MT-ND2	GALT	
	SLC2A10	PLCZ1	NPHP1	MBL2	NRAS	STAT1	
	LARS2	NBN	FHL1	ASPH	IFT140	FRAXA	
	CFAP43	DNAH10	FCGR2A	ZMPSTE2	APOC3	DIAPH2	
				4			
	FOXC2	ERCC4	PRKG1	SEMA3E	COL1A2	ITGAM	
	MMACHC	RAI1	DNAH5	SOX17	CYCS	COX5A	
	AKAP9	TWINK	MPV17	FANCI	SGCB	PACS1	
	KIT	GLI3	CC2D2A	HYLS1	BCOR	SLC34A1	
	NPHP3	MYH7B	GBE1	GLI2	NDUFV1	MYOZ2	
	COX10	FIGLA	LRP2	SCO1	SMG9	LTA	
	ALMS1	VPS33A	HNF1B	DACT1	FIG4	MIR196A2	
	TNFSF11	RPL36A-HNRNP H2	RPGRIP1L	WDR35	SEPTIN12	EPAS1	
	ADA	FANCD2	SFTPC	INVS	HLA-A	CACNA1D	
	BRDT	AGXT	SLC40A1	RAD51C	CD40LG	FBN2	
	NEU1	SMC1A	RRAS2	NPC1	MLXIPL	MEIOB	
	MEN1	HBA1	GATAD1	MRAS	FKBP6	IDS	
	SUN5	PDX1	SYCE1	CBS	NUP155	CFAP44	
	SETBP1	NEB	CFAP70	MIR204	COMT	LTBP4	
	PTPN22	SOS2	KIF7	TTC21B	C14orf39	NDUFAF2	
	ACTL9	FLNB	LIPA	FGF10	SCNN1A	PEX5	
	TRAF7	SEMA3A	BBS10	ATP13A3	DPY19L2	POLG2	
	ASXL3	FANCL	IGFBP3	TRIM37	FANCG	TK2	
	SGSH	MTR	DNAH17	FHOD3	ZEB2	MT-TW	
	LZTFL1	GHR	PKHD1	MT-TK	MT-ATP8	SMAD9	
	PRODH	OXTR	OFD1	LOC11080 6306	DNAH2	RASA2	

Compounds Related Targets	Heart Failure Disease Related Targets						Compounds-Disease Targets
	IDUA	TEX11	ACADVL	GTF2IRD1	BBS2	NEK1	
	KLHL10	IFIH1	MAP3K7	VHL	TALDO1	CFAP58	
	MT-TS1	HSD11B2	BBS1	STX1A	FGFR2	MYH3	
	QRICH2	ARHGAP31	PEX7	PRF1	NFATC1	SLC25A13	
	NDUFS2	F13A1	NDUFB11	NR0B1	SLC26A8	CACNA2D1	
	IFT122	RPS19	GCK	ARMC2	KCNQ1OT1	GNA11	
	SON	CFAP251	B3GALT6	KDM6A	BBS9	LRP6	
	COL4A3	MCTP2	RNU4ATA C	FANCF	KMT2C	DLL1	
	CALM1	ASAH1	RAD51	FAH	MEGF8	RRM2B	
	TDRD9	IGF1R	TMPO	ROBO1	DYNC2I1	MIR29A	
	IL1R1	FOXRED1	TLR7	DNAI1	PALB2	HGSNAT	
	SMARCA2	EPG5	AGK	CELA2A	LOC1108062 63	SMARCAL1	
	SPAG17	TBX18	SETD5	FLCN	IL2RA	SST	
	APOA5	PREPL	H19	BCL7B	TCTN3	SLC25A20	
	NDUFA13	MARS1	TBL2	RBCK1	SALL4	RPS24	
	FHL2	KANSL1	SEMA3C	DKC1	BRIP1	HAND2-AS1	
	NDUFS7	DYNC2LI1	PMFBP1	TGIF1	CFAP65	LTBP1	
	CHRND	FASTKD2	PGBD3	COX15	CLCNKB	SCN4A	
	MSH5-SAP CD1	GTF2IRD2	SLX4	BUD23	STAR	MPL	
	LIMK1	PKD1L1	IFT80	RPL11	MYOM2	NDUFAF6	
	NDUFAF5	SOX11	SLC19A2	SDCCAG8	FANCE	GJB2	
	CD4	PNLDC1	STRA6	STAT4	MID1	PAX2	
	FRAS1	NFIX	CHST3	BNC1	GJC1	PTGIS	
	NPHS2	KCNE3	TTC21A	ADAMTS L2	LMOD3	CATSPER1	
	PEX2	DNAH9	DNAH11	HLA-DPB 1	GTF2I	PLEC	
	LIG4	NDUFAF3	BSCL2	PLA2G7	ADORA1	SLC25A26	
	ABCG5	STAG2	SOX2	DNAJC30	AGPAT2	SOX10	

Compounds Related Targets	Heart Failure Disease Related Targets						Compounds-Disease Targets
	PDHA2	SCYL1	GNRH1	TXNRD2	TFAP2B	MSX1	
	TTC29	MT-TN	RRAS	HIRA	NUP188	BBS7	
	TDGF1	TNXB	SLC29A3	CFAP69	FANCB	SNTA1	
	BBIP1	HBA2	EPRS1	ELAC2	WFS1	SMC3	
	ANO5	NONO	MTHFD1	HDAC8	ARVCF	BMP6	
	GLI1	MT-TE	FH	LOC102723566	TTC8	NKX2-1	
	CACNA1A	GALC	BBS4	HBN1	CCNH	PTPRC	
	SKIC2	RFC2	TMEM216	GNB2	MTX2	M1AP	
	LOC107988032	COG2	CBL	CLIP2	MT-TV	AR	
	NPHS1	IFT27	CCDC40	TNFSF4	IL7	TNNT1	
	AOPEP	MYH9	DGKE	VPS37D	MIR122	MT-TI	
	TPM3	EIF4H	AURKC	MIR133A1	CCL3	SAV1	
	PCDH7	GET1	MTTL1	CRIP1	RFH1	MDM4	
	TSGA10	FSIP2	C2CD6	CATIP	DAZL	CHDS5	
	CFAP91	RNF212	SPINK2	ZPBP	CHDS9	FBXO43	
	CHDS8	CHDT3	SHOC1	NANOS1	DHND1	WDR66	
	CCDC62	PPP2R3C	RPL10L	CHDS4	AK7	TERB2	
	DUT	SEPT12	TERB1	CDH13	RPA1	ZMYND15	
	ZSWIM7	TEX14	CEP112	TAF4B	GGN	SYCP2	
	HSF2BP	GCNA	FLJ22792	DELYq11	USP9Y	CXCR1	
	CPT1B	ADRA1D	LC12A1	ASIC1	GUCY2D	GUCY1A1	
	ADORA3	OPRL1	GUCY1B1	VIPR2	TRPV4	HSPA1A	
		MTOR-RPTORA-					
	RXFP1	MLST8-KT1S1-D	CACNA1E				
		EPTOR					