

Plants of the Genus *Zingiber*: A Review of Their Ethnomedicine, Phytochemistry and Pharmacology

Miao Deng ¹, Xuan Yun ², Shurui Ren ¹, Zhixing Qing ^{2,*} and Fenglian Luo ^{1,*}
¹ College of Food Science and Technology, Hunan Agricultural University, Changsha 410128, China; dengmiao1999@163.com (M.D.); zsb@hunau.net (S.R.)

² Hunan Co-Innovation Center for Utilization of Botanical Functional Ingredients, College of Veterinary Medicine, Hunan Agricultural University, Changsha 410128, China; zengjianguo@hunau.edu.cn

* Correspondence: qingzhixing@hunau.edu.cn (Z.Q.); luofenglian@hunau.edu.cn (F.L.); Tel: +86-134-6771-5114 (Z.Q. & F.L.); Fax: +86-0731-8461-7093 (Z.Q. & F.L.)

Table S1. A comprehensive list of chemical constituents of *Zingiber* plants.

No.	Compounds	Formula	MW	Sources	References
<i>Volatile oils</i>					
1	Zerumbone	C ₁₆ H ₂₄ O	232.18	<i>Z. zerumbet</i>	[77]
2	Eugenyl acetate	C ₁₂ H ₁₄ O ₃	206.09	<i>Z. zerumbet</i>	[85]
3	β-elemenone	C ₁₅ H ₂₂ O	218.17	<i>Z. zerumbet</i>	[85]
4	2-nonanone	C ₉ H ₁₈ O	142.14	<i>Z. zerumbet</i>	[87]
				<i>Z. officinale</i>	[88]
5	2-heptanol acetate	C ₁₁ H ₂₂ O ₂	186.16	<i>Z. zerumbet</i>	[87]
				<i>Z. officinale</i>	[89]
6	1,5-heptadiene	C ₇ H ₁₂	96.09	<i>Z. zerumbet</i>	[87]
7	Lavandulyl acetate	C ₁₀ H ₁₆ O ₂	168.12	<i>Z. zerumbet</i>	[87]
8	Eugenol	C ₁₀ H ₁₂ O ₂	164.08	<i>Z. zerumbet</i>	[87]
9	trans-isoeugenol	C ₁₀ H ₁₂ O ₂	164.08	<i>Z. officinale</i>	[90]
10	Cyclohexanemethanol	C ₇ H ₁₄ O	114.10	<i>Z. zerumbet</i>	[87]
11	Methyl salicylate	C ₈ H ₈ O ₃	152.05	<i>Z. zerumbet</i>	[91]
12	β-sinensal	C ₁₅ H ₂₂ O	218.17	<i>Z. zerumbet</i>	[85]
13	Cinereone	C ₁₀ H ₁₄ O	150.10	<i>Z. zerumbet</i>	[92]
14	Phytone	C ₁₇ H ₃₄ O	254.26	<i>Z. zerumbet</i>	[92]
				<i>Z.</i>	
15	Methy leugenol	C ₁₁ H ₁₄ O ₂	178.10	<i>corallinum</i>	[83]
				<i>Hance</i>	
				<i>Z. officinale</i>	[81]
				<i>Z.</i>	
16	c-3,4 -dimethoxy cinnamyl aldehyde	C ₁₁ H ₁₂ O ₃	192.08	<i>corallinum</i>	[83]
				<i>Hance</i>	
				<i>Z.</i>	
17	Methyl iso-eugenol	C ₁₁ H ₁₄ O ₂	178.10	<i>corallinum</i>	[83]
				<i>Hance</i>	
				<i>Z.</i>	
18	t-3,5-dimethoxy alkyne cinnaldehyde	C ₁₁ H ₁₀ O ₃	190.06	<i>corallinum</i>	[83]
				<i>Hance</i>	
				<i>Z.</i>	
19	Apiol	C ₁₂ H ₁₄ O ₄	222.09	<i>corallinum</i>	[83]
				<i>Hance</i>	
				<i>Z.</i>	
20	3-methoxy -4-hydroxy methyl cinnamate	C ₁₀ H ₁₀ O ₄	194.10	<i>corallinum</i>	[83]
				<i>Hance</i>	

21	3,4-dimethoxybenzaldehyde	C ₉ H ₁₀ O ₃	166.06	Z. corallinum Hance	[93]
22	Methyl ferulate	C ₁₁ H ₁₂ O ₄	208.07	Z. corallinum Hance	[94]
23	Sabinen	C ₁₀ H ₁₈	138.14	Z. corallinum Hance	[94]
24	Myristicin	C ₁₁ H ₁₂ O ₃	192.08	Z. corallinum Hance	[94]
25	1,4-bis(methoxy)-triquinacene	C ₁₂ H ₁₄ O ₂	190.10	Z. corallinum Hance	[95]
26	1,4,7-tris(methoxy)-triquinacene	C ₁₃ H ₁₆ O ₃	220.11	Z. corallinum Hance	[94]
27	Linalyl acetate	C ₁₃ H ₂₂ O ₂	210.16	Z. corallinum Hance	[78]
28	2-allyl-1,4-dimethoxy-3-methyl-benzene	C ₁₂ H ₁₆ O ₂	192.12	Z. corallinum Hance	[78]
29	5-(4-methoxyphenyl)-2,4-pentadienoic acid	C ₁₂ H ₁₂ O ₃	204.08	Z. corallinum Hance	[78]
30	1-acetyl-2-(2,3,4-trimethoxyphenyl)-ethylene	C ₁₃ H ₁₆ O ₄	236.10	Z. corallinum Hance	[78]
31	5,7,8-trimethyl-6-coumarinyl ester-acetic acid	C ₁₄ H ₁₄ O ₄	246.09	Z. corallinum Hance	[78]
32	2-naphthalenecarboxylic acid	C ₁₄ H ₁₀ O ₄	250.12	Z. corallinum Hance	[78]
33	Palmitic acid	C ₁₆ H ₃₂ O ₂	256.24	Z. corallinum Hance	[96]
				Z. striolatum Diels	[23]
				Z. officinale	[23]
34	2,2,3-trimethyl-3-cyclopentene-1-acetaldehyde	C ₁₀ H ₁₆ O	152.12	Z. striolatum Diels	[84]
35	4-isopropyl-2-cyclohexenyl-1-one	C ₁₁ H ₁₈ O	166.14	Z. striolatum Diels	[84]
36	Piperonyl alcohol	C ₈ H ₈ O ₃	152.05	Z. striolatum Diels	[84]
37	p-isopropylphenol	C ₉ H ₁₂ O	136.09	Z. striolatum Diels	[84]

38	4-(1,3-Benzodioxol-5-yl) -2-butanone	C ₁₀ H ₁₀ O ₃	178.06	Z. <i>striolatum</i> Diels	[84]
39	1,3-p-Menthadien-7-al	C ₁₀ H ₁₄ O	150.10	Z. <i>striolatum</i> Diels	[84]
40	Pentadecane	C ₁₅ H ₃₂	212.25	Z. <i>striolatum</i> Diels	[84]
41	Tributyl phosphate	C ₁₂ H ₂₇ O ₄ P	266.16	Z. <i>striolatum</i> Diels	[84]
42	Hexahydroaplotaxene 1-heptadecene	C ₁₈ H ₃₆	252.28	Z. <i>striolatum</i> Diels	[84]
43	Heptadecane	C ₁₈ H ₃₈	254.30	Z. <i>striolatum</i> Diels	[84]
44	4-isopropylbenzyl alcohol	C ₁₀ H ₁₄ O	150.10	Z. <i>striolatum</i> Diels	[84]
45	Methyl 14-methylpentadecanoate	C ₁₇ H ₃₄ O ₂	270.26	Z. <i>striolatum</i> Diels	[23]
46	Methyl linolenate	C ₁₉ H ₃₂ O ₂	292.24	Z. <i>striolatum</i> Diels	[23]
47	(Z)-docos-13-enamide	C ₂₂ H ₄₃ N	337.33	Z. <i>striolatum</i> Diels	[23]
48	2-heptanol	C ₇ H ₁₆ O	116.12	Z. <i>officinale</i>	[81]
49	6-methyl-5-hepten-2-one	C ₈ H ₁₄ O	126.10	Z. <i>officinale</i>	[81]
50	Octanal	C ₈ H ₁₆ O	128.12	Z. <i>officinale</i>	[81]
51	Rosefuran epoxide	C ₁₀ H ₁₄ O ₂	166.10	Z. <i>officinale</i>	[81]
52	Decanal	C ₁₀ H ₂₀ O	156.15	Z. <i>officinale</i>	[86]
53	2-Octenal	C ₈ H ₁₄ O	126.10	Z. <i>officinale</i>	[24]
54	1-cyclopropylpentane	C ₈ H ₁₆	112.13	Z. <i>officinale</i>	[24]
55	2-undecanone	C ₁₁ H ₂₂ O	170.17	Z. <i>officinale</i>	[24]
56	4-(1-methoxyethyl)phenol	C ₉ H ₁₂ O ₂	152.08	Z. <i>officinale</i>	[99]
57	Furfural	C ₅ H ₄ O ₂	96.02	Z. <i>officinale</i>	[88]
58	Benzaldehyde	C ₇ H ₆ O	106.04	Z. <i>officinale</i>	[88]
59	Phenylacetaldehyde	C ₈ H ₈ O	120.06	Z. <i>officinale</i>	[88]
60	Cuminaldehyde	C ₁₀ H ₁₂ O	148.09	Z. <i>officinale</i>	[88]
61	3-butylfuranbutanal	C ₇ H ₁₄ O	114.10	Z. <i>officinale</i>	[102]
62	Methyl valeraldehyde	C ₆ H ₁₂ O	100.09	Z. <i>officinale</i>	[102]
63	Alpha,P-dimethylstyrene	C ₁₀ H ₁₂	132.09	Z. <i>officinale</i>	[102]
64	3-(4-methylpent-3-enyl)furan	C ₁₀ H ₁₄ O	150.10	Z. <i>officinale</i> Z. <i>mioga</i>	[102] [82]
65	Dibutyl phthalate	C ₁₆ H ₂₂ O ₄	278.15	Z. <i>officinale</i>	[102]
66	Diisobutyl phthalate	C ₁₆ H ₂₂ O ₄	278.15	Z. <i>officinale</i>	[103]
67	oct-1-ene	C ₈ H ₁₆	112.13	Z. <i>officinale</i>	[104]
68	2-hexenal, 2-ethyl-	C ₈ H ₁₄ O	126.10	Z. <i>officinale</i>	[104]
69	3,5-heptadiene-2-ol	C ₇ H ₁₂ O	112.09	Z. <i>officinale</i>	[104]
70	5-methyl-2(5H)-furanone	C ₉ H ₁₄ O ₂	98.04	Z. <i>officinale</i>	[104]
71	Dodecanal	C ₁₂ H ₂₄ O	184.18	Z. <i>officinale</i>	[104]
72	Pentadecanal	C ₁₅ H ₃₀ O	226.23	Z. <i>officinale</i> Z. <i>mioga</i>	[104] [82]

73	2,3,5,6-tetramethylphenol	C ₁₀ H ₁₄ O	150.10	Z. officinale	[106]
74	Vinylcyclohexane	C ₈ H ₁₄	110.11	Z. officinale	[106]
75	Isomethyleugenol	C ₁₁ H ₁₄ O ₂	178.10	Z. officinale	[106]
76	2-amino-7-methyl-1H-pteridin-4-one	C ₇ H ₇ N ₅ O	177.07	Z. officinale	[106]
77	Carvacrol	C ₁₀ H ₁₄ O	150.10	striolatum Diels Z. mioga	[84] [82]
78	Dodecanoic acid	C ₁₂ H ₂₄ O ₂	200.18	Z. officinale	[106]
79	1-(2-hydroxy-4,6-dimethoxy)acetophenone	C ₁₀ H ₁₂ O ₄	196.07	Z. officinale	[106]
80	1-benzylindole	C ₁₅ H ₁₃ N	207.10	Z. officinale	[106]
81	Benzoic acid	C ₇ H ₆ O ₂	122.04	Z. officinale	[60]
82	2-decenol	C ₁₀ H ₂₀ O	156.15	Z. officinale	[107]
83	3-hydroxy-4-methoxymandelic Acid	C ₉ H ₁₀ O ₅	198.05	Z. officinale	[107]
84	Ethyl (Z)-3-(4-methoxyphenyl)prop-2-enoate	C ₁₂ H ₁₄ O ₃	206.09	Z. officinale	[108]
85	4-(1-Methylethyl)-2-cyclohexen-1-one	C ₉ H ₁₄ O	138.10	Z. officinale	[109]
86	Sec-butanol	C ₄ H ₁₀ O	74.07	Z. officinale	[110]
87	1,1-dimethyl-2-butene	C ₆ H ₁₂	84.09	Z. officinale	[110]
88	2-ethoxybutane	C ₆ H ₁₄ O	102.10	Z. officinale	[110]
89	2-isopropoxyethanol	C ₅ H ₁₂ O ₂	104.08	Z. officinale	[110]
90	2,4,5-trimethyl-1,3-dioxolane	C ₆ H ₁₂ O ₂	116.08	Z. officinale	[110]
91	2-ethoxypentane	C ₇ H ₁₆ O	116.12	Z. officinale	[110]
92	1-propoxy-2-propanol	C ₆ H ₁₄ O ₂	118.10	Z. officinale	[110]
93	2-methyl-3-phenylpropan-1-ol	C ₁₀ H ₁₄ O	150.10	Z. officinale	[80]
94	1-phenylpropane-1,3-diol	C ₉ H ₁₂ O ₂	152.08	Z. officinale	[80]
95	2-pentylcyclopent-2-en-1-one	C ₁₀ H ₁₆ O	152.12	Z. officinale	[80]
96	2-tridecanol	C ₁₃ H ₂₈ O	200.21	Z. officinale	[80]
97	2-Isopropenyl-5-methylhex-4-enylacetat	C ₁₂ H ₂₀ O ₂	196.15	Z. officinale	[80]
98	Ethyl formate	C ₃ H ₆ O ₂	74.04	Z. mioga	[82]
99	o-cymene	C ₁₀ H ₁₄	134.11	Z. zerumbet Z. corallinum Hance Z. officinale	[77] [78] [79]
100	m-cymene	C ₁₀ H ₁₄	134.11	Z. corallinum Hance	[78]
101	p-cymene	C ₁₀ H ₁₄	134.11	Z. zerumbet Z. corallinum Hance Z. striolatum Diels Z. officinale Z. mioga	[87] [83] [84] [81] [82]
102	p-cymen-8-ol	C ₁₀ H ₁₄ O	150.10	Z. zerumbet Z. officinale Z. mioga	[91] [79] [82]
103	p-ethylcumene	C ₁₁ H ₁₆	148.13	Z. mioga	[82]
104	4-isopropylcyclohexanone	C ₉ H ₁₆ O	140.12	Z. mioga	[82]
105	3-carene-10-al	C ₁₀ H ₁₄ O	150.10	Z. mioga	[82]
106	(E)-3-carene-2-ol	C ₁₀ H ₁₆ O	152.12	Z. mioga	[82]
Monoterpene					
107	Myrtenyl acetate	C ₁₂ H ₁₈ O ₂	194.13	Z. zerumbet	[7]

				<i>Z. officinale</i>	[79]
				<i>Z. mioga</i>	[82]
108	3,6,6-Trimethyl-bicyclo[3.1.1]hept-2-ene	C ₁₀ H ₁₆	136.13	<i>Z. zerumbet</i>	[92]
109	Myrtenal	C ₁₀ H ₁₄ O	150.10	<i>Z. zerumbet</i>	[92]
				<i>Z. officinale</i>	[79]
				<i>Z. mioga</i>	[82]
				<i>Z.</i>	
110	Myrtenol	C ₁₀ H ₁₆ O	152.12	<i>striolatum</i>	[84]
				<i>Diels</i>	
				<i>Z. officinale</i>	[81]
				<i>Z. mioga</i>	[82]
111	(S)-cis-verbenol	C ₁₀ H ₁₆ O	152.12	<i>Z. officinale</i>	[80]
112	α-pinene	C ₁₀ H ₁₆	136.13	<i>Z. zerumbet</i>	[77]
				<i>Z.</i>	
				<i>corallinum</i>	[78]
				<i>Hance</i>	
				<i>Z.</i>	
				<i>striolatum</i>	[84]
				<i>Diels</i>	
				<i>Z. officinale</i>	[81]
				<i>Z. mioga</i>	[82]
113	β-elemene	C ₁₅ H ₂₄	204.19	<i>Z. zerumbet</i>	[7]
				<i>Z.</i>	
				<i>corallinum</i>	[78]
				<i>Hance</i>	
				<i>Z.</i>	
				<i>striolatum</i>	[84]
				<i>Diels</i>	
				<i>Z. officinale</i>	[81]
				<i>Z. mioga</i>	[82]
				<i>Z.</i>	
114	Carvopinone	C ₁₀ H ₁₄ O	150.10	<i>striolatum</i>	[84]
				<i>Diels</i>	
				<i>Z.</i>	
115	z-pinocarveol	C ₁₀ H ₁₆ O	152.12	<i>striolatum</i>	[84]
				<i>Diels</i>	
				<i>Z. mioga</i>	[82]
116	[(1S,4S,5S)-6,6-dimethyl-4-bicyclo[3.1.1]heptanyl]methanol	C ₁₀ H ₁₈ O	154.14	<i>Z. officinale</i>	[102]
117	δ-3-carene	C ₁₀ H ₁₆	136.13	<i>Z. zerumbet</i>	[77]
				<i>Z. officinale</i>	[79]
				<i>Z. mioga</i>	[82]
				<i>Z.</i>	
118	Pinene oxide	C ₁₀ H ₁₆ O	152.12	<i>corallinum</i>	[83]
				<i>Hance</i>	
119	α-cyclocitral	C ₁₀ H ₁₆ O	152.12	<i>Z. officinale</i>	[80]
120	α-terpinolene	C ₁₀ H ₁₈	138.14	<i>Z. zerumbet</i>	[87]
				<i>Z.</i>	
				<i>corallinum</i>	[96]
				<i>Hance</i>	
				<i>Z. officinale</i>	[81]
				<i>Z. mioga</i>	[82]
				<i>Z.</i>	
121	β-terpinene	C ₁₀ H ₁₆	136.13	<i>corallinum</i>	[94]
				<i>Hance</i>	
				<i>Z. officinale</i>	[79]
				<i>Z. mioga</i>	[82]

122	2-cyclohexen-1-ol, 1-methyl-4-(1-methylethyl)-, trans-	C ₁₀ H ₁₈ O	154.14	Z. <i>corallinum</i> <i>Hance</i>	[78]
123	trans-carveol	C ₁₀ H ₁₆ O	152.12	Z. <i>corallinum</i> <i>Hance</i> Z. <i>striolatum</i> <i>Diels</i> Z. <i>mioga</i>	[78] [84] [82]
124	Carvone	C ₁₀ H ₁₄ O	150.10	Z. <i>striolatum</i> <i>Diels</i> Z. <i>mioga</i>	[84] [82]
125	Perillaldehyde	C ₁₀ H ₁₄ O	150.10	Z. <i>striolatum</i> <i>Diels</i>	[84]
126	Limonene	C ₁₀ H ₁₆	136.13	Z. <i>zerumbet</i> Z. <i>corallinum</i> <i>Hance</i> Z. <i>striolatum</i> <i>Diels</i> Z. <i>officinale</i> Z. <i>mioga</i>	[77] [83] [84] [81] [82]
127	Perillyl alcohol	C ₁₀ H ₁₆ O	152.12	Z. <i>striolatum</i> <i>Diels</i>	[84]
128	Terpinen-4-ol	C ₁₀ H ₁₈ O	154.14	Z. <i>zerumbet</i> Z. <i>corallinum</i> <i>Hance</i> Z. <i>striolatum</i> <i>Diels</i> Z. <i>officinale</i>	[77] [83] [84] [81]
129	c-piperitol	C ₁₀ H ₁₈ O	154.14	Z. <i>corallinum</i> <i>Hance</i>	[83]
130	Cumyl acetate	C ₁₂ H ₂₀ O ₂	196.15	Z. <i>mioga</i>	[82]
131	β-phellandrene	C ₁₀ H ₁₆	136.13	Z. <i>corallinum</i> <i>Hance</i> Z. <i>striolatum</i> <i>Diels</i> Z. <i>officinale</i> Z. <i>mioga</i>	[83] [84] [81] [82]
132	Dihydrocarveol	C ₁₀ H ₁₈ O	154.14	Z. <i>corallinum</i> <i>Hance</i>	[78]
133	Isopulego	C ₁₀ H ₁₈ O	154.14	Z. <i>officinale</i> Z.	[106]
134	DL-menthol	C ₁₀ H ₂₀ O	156.15	<i>corallinum</i> <i>Hance</i>	[93]
135	Menthone	C ₁₀ H ₁₈ O	154.14	Z. <i>officinale</i>	[81]

136	Sylvestrene	C ₁₀ H ₁₆	136.13	<i>Z. zerumbet</i>	[92]
				<i>Z.</i>	
137	Terpinyl acetate	C ₁₂ H ₂₀ O ₂	196.15	<i>corallinum</i>	[93]
				<i>Hance</i>	
138	Bornyl acetate	C ₁₂ H ₂₀ O ₂	196.15	<i>Z. zerumbet</i>	[77]
				<i>Z. officinale</i>	[81]
				<i>Z. mioga</i>	[82]
139	Piperitenone	C ₁₀ H ₁₄ O	150.10	<i>Z. mioga</i>	[82]
				<i>Z.</i>	
140	1, 4-cineol	C ₁₀ H ₁₆	136.13	<i>corallinum</i>	[83]
				<i>Hance</i>	
				<i>Z. officinale</i>	[80]
				<i>Z.</i>	
141	cis-β-terpineol	C ₁₀ H ₁₈ O	154.14	<i>corallinum</i>	[95]
				<i>Hance</i>	
				<i>Z.</i>	
142	α-terpinene	C ₁₀ H ₁₆	136.13	<i>corallinum</i>	[83]
				<i>Hance</i>	
				<i>Z.</i>	
				<i>striolatum</i>	[84]
				<i>Diels</i>	
				<i>Z. mioga</i>	[82]
				<i>Z.</i>	
143	p-menth-2,8-dienol	C ₁₀ H ₁₆ O	152.12	<i>striolatum</i>	[84]
				<i>Diels</i>	
144	Phellandral	C ₁₀ H ₁₆ O	152.12	<i>Z. mioga</i>	[82]
				<i>Z.</i>	
145	2-cyclohexen-1-ol, 1-methyl-4-(1-methylethyl)-, cis-	C ₁₀ H ₁₈ O	154.14	<i>corallinum</i>	[78]
				<i>Hance</i>	
				<i>Z.</i>	
				<i>striolatum</i>	[84]
				<i>Diels</i>	
				<i>Z. mioga</i>	[82]
146	α-phellandrene	C ₁₀ H ₁₆	136.13	<i>Z. zerumbet</i>	[7]
				<i>Z.</i>	
				<i>corallinum</i>	[83]
				<i>Hance</i>	
				<i>Z.</i>	
				<i>striolatum</i>	[84]
				<i>Diels</i>	
				<i>Z. officinale</i>	[81]
				<i>Z. mioga</i>	[82]
147	γ-terpinene	C ₁₀ H ₁₆	136.13	<i>Z. zerumbet</i>	[7]
				<i>Z.</i>	
				<i>corallinum</i>	[78]
				<i>Hance</i>	
				<i>Z.</i>	
				<i>striolatum</i>	[84]
				<i>Diels</i>	
				<i>Z. officinale</i>	[102]
				<i>Z. mioga</i>	[82]
148	Fenchone	C ₁₀ H ₁₆ O	152.12	<i>Z. zerumbet</i>	[77]
				<i>Z. mioga</i>	[82]
149	Camphene	C ₁₀ H ₁₆	136.13	<i>Z. zerumbet</i>	[77]
				<i>Z.</i>	
				<i>corallinum</i>	[95]
				<i>Hance</i>	

				<i>Z.</i> <i>striolatum</i>	[84]
				<i>Diels</i>	
				<i>Z. officinale</i>	[81]
				<i>Z. mioga</i>	[82]
150	Tricyclene	C ₁₀ H ₁₈	138.14	<i>Z. zerumbet</i>	[7]
				<i>Z. officinale</i>	[81]
				<i>Z.</i>	
151	β-fenchene	C ₁₀ H ₁₆	136.13	<i>corallinum</i>	[94]
				<i>Hance</i>	
				<i>Z. mioga</i>	[82]
152	Linalool	C ₁₀ H ₁₈ O	154.14	<i>Z. zerumbet</i>	[77]
				<i>Z.</i>	
				<i>corallinum</i>	[83]
				<i>Hance</i>	
				<i>Z.</i>	
				<i>striolatum</i>	[84]
				<i>Diels</i>	
				<i>Z. officinale</i>	[80]
				<i>Z. mioga</i>	[82]
153	Borneol	C ₁₀ H ₁₈ O	154.14	<i>Z. zerumbet</i>	[77]
				<i>Z.</i>	
				<i>striolatum</i>	[84]
				<i>Diels</i>	
				<i>Z. officinale</i>	[81]
				<i>Z. mioga</i>	[82]
154	α-terpineol	C ₁₀ H ₁₈ O	154.14	<i>Z. zerumbet</i>	[77]
				<i>Z.</i>	
				<i>corallinum</i>	[78]
				<i>Hance</i>	
				<i>Z. officinale</i>	[81]
				<i>Z. mioga</i>	[82]
155	α-fenchene	C ₁₀ H ₁₆	136.13	<i>Z. mioga</i>	[82]
156	1,8-cineole	C ₁₀ H ₁₈ O	154.14	<i>Z. zerumbet</i>	[77]
				<i>Z. officinale</i>	[81]
157	2-carene	C ₁₀ H ₁₆	136.13	<i>Z. officinale</i>	[79]
				<i>Z.</i>	
158	Carene-4	C ₁₀ H ₁₆	136.13	<i>corallinum</i>	[83]
				<i>Hance</i>	
				<i>Z. officinale</i>	[79]
				<i>Z.</i>	
159	Ascaridole epoxide	C ₁₀ H ₁₆ O ₂	168.12	<i>corallinum</i>	[78]
				<i>Hance</i>	
				<i>Z.</i>	
160	Caran-2-ol	C ₁₀ H ₁₈ O	154.14	<i>corallinum</i>	[94]
				<i>Hance</i>	
161	Limonene 1,2-epoxide	C ₁₀ H ₁₆ O	152.12	<i>Z. officinale</i>	[80]
162	Neral	C ₁₀ H ₁₆ O	152.12	<i>Z. zerumbet</i>	[81]
				<i>Z. officinale</i>	[81]
163	Nerol	C ₁₀ H ₁₈ O	154.14	<i>Z. officinale</i>	[24]
164	cis-2,6-Dimethyl-2,6-octadiene	C ₁₀ H ₁₈	138.14	<i>Z. officinale</i>	[24]
165	Geranic acid	C ₁₀ H ₁₆ O ₂	168.12	<i>Z. officinale</i>	[24]
166	Neryl propionate	C ₁₃ H ₂₂ O ₂	210.16	<i>Z. officinale</i>	[24]
167	Neryl acetate	C ₁₂ H ₂₀ O ₂	196.15	<i>Z. officinale</i>	[24]
168	Citronellal	C ₁₀ H ₁₈ O	154.14	<i>Z. zerumbet</i>	[87]
				<i>Z. officinale</i>	[81]
169	Citronellyl acetate	C ₁₂ H ₂₂ O ₂	198.16	<i>Z. zerumbet</i>	[87]

				<i>Z. officinale</i>	[88]
				<i>Z. officinale</i>	[81]
170	Citronellol	C ₁₀ H ₂₀ O	156.15	<i>Z. officinale</i>	[81]
171	β-myrcene	C ₁₀ H ₁₆	136.13	<i>Z. zerumbet</i>	[7]
				<i>Z.</i>	
				<i>corallinum</i>	[83]
				<i>Hance</i>	
				<i>Z.</i>	
				<i>striolatum</i>	[84]
				<i>Diels</i>	
				<i>Z. officinale</i>	[81]
				<i>Z. mioga</i>	[82]
172	Ocimene	C ₁₀ H ₁₆	136.13	<i>Z. zerumbet</i>	[92]
				<i>Z.</i>	
				<i>striolatum</i>	[84]
				<i>Diels</i>	
				<i>Z. officinale</i>	[104]
173	Hotrienol	C ₁₀ H ₁₆ O	152.12	<i>Z. officinale</i>	[86]
174	Linalool	C ₁₀ H ₁₈ O	154.14	<i>Z. zerumbet</i>	[77]
				<i>Z.</i>	
				<i>corallinum</i>	[83]
				<i>Hance</i>	
				<i>Z.</i>	
				<i>striolatum</i>	[84]
				<i>Diels</i>	
				<i>Z. officinale</i>	[80]
				<i>Z. mioga</i>	[82]
175	Eucarvone	C ₁₀ H ₁₄ O	150.10	<i>Z. mioga</i>	[82]
				<i>Z.</i>	
176	Sabinene hydrate	C ₁₀ H ₁₈ O	154.14	<i>corallinum</i>	[83]
				<i>Hance</i>	
				<i>Z.</i>	
				<i>striolatum</i>	[84]
				<i>Diels</i>	
				<i>Z. mioga</i>	[82]
				<i>Z.</i>	
177	α-thujene	C ₁₀ H ₁₄ O	136.13	<i>corallinum</i>	[83]
				<i>Hance</i>	
				<i>Z.</i>	
				<i>striolatum</i>	[84]
				<i>Diels</i>	
				<i>Z. mioga</i>	[82]
178	β-thujene	C ₁₀ H ₁₆	136.13	<i>Z. officinale</i>	[79]
179	Sabinene	C ₁₀ H ₁₆	136.13	<i>Z. zerumbet</i>	[7]
				<i>Z.</i>	
				<i>corallinum</i>	[78]
				<i>Hance</i>	
				<i>Z.</i>	
				<i>striolatum</i>	[84]
				<i>Diels</i>	
				<i>Z. officinale</i>	[81]
180	Camphene hydrate	C ₁₀ H ₁₈ O	154.14	<i>Z. zerumbet</i>	[77]
				<i>Z.</i>	
181	Camphene oxide	C ₁₀ H ₁₆ O	152.12	<i>corallinum</i>	[83]
				<i>Hance</i>	
182	β-pinene	C ₁₀ H ₁₆	136.13	<i>Z. zerumbet</i>	[77]

				Z. corallinum	[78]
				Hance	
				Z. striolatum	[84]
				Diels	
				Z. officinale	[79]
				Z. mioga	[82]
Sesquiterpene, Diterpene and Triterpene					
183	γ -selinene	C ₁₅ H ₂₄	204.19	Z. striolatum	[84]
				Diels	
184	Eudesma-3,7(11)-diene	C ₁₅ H ₂₄	204.19	Z. officinale	[24]
185	α -Cyperone	C ₁₅ H ₂₂ O	218.17	Z. zerumbet	[105]
				Z. officinale	[104]
				Z.	
186	β -fenchene	C ₁₀ H ₁₆	136.13	corallinum	[94]
				Hance	
				Z. mioga	[82]
187	α -fenchene	C ₁₀ H ₁₆	136.13	Z. mioga	[82]
				Z.	
188	Farnesol	C ₁₄ H ₂₄ O	208.18	corallinum	[94]
				Hance	
				Z. officinale	[23]
				Z. mioga	[82]
189	γ -eudesmol	C ₁₅ H ₂₆ O	220.20	Z. zerumbet	[91]
190	β -eudesmol	C ₁₅ H ₂₈ O	224.21	Z. zerumbet	[77]
				Z. officinale	[79]
191	α -eudesmol	C ₁₅ H ₂₆ O	220.20	Z. zerumbet	[91]
				Z.	
192	Isolongifolene	C ₁₅ H ₂₄	204.19	corallinum	[78]
				Hance	
193	α -muurolene	C ₁₅ H ₂₄	204.19	Z. zerumbet	[91]
194	δ -cadinene	C ₁₅ H ₂₄	204.19	Z. zerumbet	[7]
				Z. officinale	[79]
195	β -cadinene	C ₁₅ H ₂₄	204.19	Z. officinale	[80]
196	γ -cadinene	C ₁₅ H ₂₄	204.19	Z. zerumbet	[91]
				Z. officinale	[23]
				Z. mioga	[82]
197	epi-bicyclosquiphellandrene	C ₁₅ H ₂₄	204.19	Z. zerumbet	[87]
198	Miogadial	C ₂₀ H ₃₀ O ₃	318.22	Z. mioga	[25]
199	γ -bicyclohomofarnesal	C ₁₇ H ₃₀ O	250.23	Z. zerumbet	[77]
200	epi- α -cadinol	C ₁₅ H ₂₆ O	220.20	Z. zerumbet	[85]
201	Juniper camphor	C ₁₅ H ₂₆ O	222.20	Z. mioga	[82]
202	α -cedrene	C ₁₅ H ₂₄	204.19	Z. zerumbet	[87]
				Z. officinale	[79]
203	β -himachalene	C ₁₅ H ₂₄	204.19	Z. mioga	[82]
				Z.	
204	γ -gurjunene	C ₁₅ H ₂₄	190.17	corallinum	[78]
				Hance	
205	Alloaromadendrene	C ₁₅ H ₂₄	204.19	Z. officinale	[23]
206	Spathulenol	C ₁₅ H ₂₄ O	220.18	Z. zerumbet	[85]
				Z.	
				striolatum	[84]
				Diels	
				Z. officinale	[86]

207	Palustrol(ledum)	C ₁₅ H ₂₆ O	222.20	Z. officinale	[80]
208	Dehydro-aromadendrene	C ₁₅ H ₂₂	202.17	Z. zerumbet	[87]
209	α-gurjunene	C ₁₅ H ₂₄	204.19	Z. zerumbet	[7]
				Z.	
				striolatum	[84]
				Diels	
				Z. officinale	[79]
				Z. mioga	[82]
210	Isofuranogermacrene	C ₁₅ H ₂₀ O	216.15	Z. officinale	[80]
211	α-guaiene	C ₁₅ H ₂₄	204.19	Z. officinale	[81]
				Z. mioga	[82]
212	Champacol	C ₁₅ H ₂₆ O	222.20	Z. officinale	[86]
213	(1aR,4R,7R,7bS)-1,1,4,7-tetramethyl-1a,2,3,4,5,6,7,7b-octahydrocyclopropa[e]azulene	C ₁₅ H ₂₄	204.19	Z. officinale	[107]
214	Ledane	C ₁₅ H ₂₆	206.20	Z. mioga	[82]
215	Curcumadiol	C ₁₅ H ₂₆ O ₂	238.19	Z. mioga	[112]
216	β-patchoulene	C ₁₅ H ₂₄	204.19	Z. officinale	[79]
				Z. mioga	[82]
217	α-patchoulene	C ₁₅ H ₂₄	204.19	Z. officinale	[81]
218	Widdrol	C ₁₅ H ₂₆ O	222.20	Z. mioga	[82]
219	α-zingiberene	C ₁₅ H ₂₄	204.19	Z. zerumbet	[87]
				Z. officinale	[81]
				Z. mioga	[82]
220	α-copaene	C ₁₅ H ₂₄	204.19	Z. zerumbet	[7]
				Z.	
				striolatum	[84]
				Diels	
				Z. officinale	[88]
				Z.	
221	γ-elemene	C ₁₅ H ₂₄	204.19	corallinum	[93]
				Hance	
				Z. officinale	[86]
222	g-elemene	C ₁₅ H ₂₄	204.19	Z. zerumbet	[87]
223	Cedrenol	C ₁₅ H ₂₄ O	220.18	Z. officinale	[80]
224	ar-curcumene	C ₁₅ H ₂₂	202.17	Z. zerumbet	[87]
				Z.	
				corallinum	[78]
				Hance	
				Z. officinale	[81]
				Z. mioga	[82]
				Z.	
225	β-sesquiphellandrene	C ₁₅ H ₂₄	204.19	corallinum	[93]
				Hance	
				Z. mioga	[82]
226	(E, E)-α-farnesene	C ₁₅ H ₂₄	204.19	Z. zerumbet	[87]
				Z.	
				corallinum	[94]
				Hance	
				Z. officinale	[23]
				Z.	
227	c-β-farnesene	C ₁₅ H ₂₄	204.19	corallinum	[83]
				Hance	
				Z. officinale	[23]
				Z. mioga	[82]
				Z.	
228	Farnesol	C ₁₄ H ₂₄ O	208.18	corallinum	[94]
				Hance	

				<i>Z. officinale</i>	[23]
				<i>Z. mioga</i>	[82]
229	Farnesal	C ₁₅ H ₂₄ O	220.18	<i>Z. officinale</i>	[109]
230	Farnesyl acetate	C ₁₇ H ₂₈ O ₂	264.21	<i>Z. officinale</i>	[90]
231	Geranyl linalool	C ₂₀ H ₃₄ O	290.26	<i>Z. officinale</i>	[86]
232	D-nerolidol	C ₁₆ H ₃₀ O	224.21	<i>Z. zerumbet</i>	[7]
233	Nerolidol	C ₁₆ H ₂₈ O	236.21	<i>Z. zerumbet</i>	[91]
				<i>Z. officinale</i>	[81]
234	2,5-dihydroxybisabola-3,10-diene	C ₁₅ H ₂₆ O ₂	238.19	<i>Z. officinale</i>	[6]
235	4,5-dihydroxybisabola-2,10-diene	C ₁₅ H ₂₆ O ₂	238.19	<i>Z. officinale</i>	[111]
236	Sesquisabinene hydrate	C ₁₅ H ₂₆ O	222.20	<i>Z. officinale</i>	[23]
237	Agarospinol	C ₁₅ H ₂₆ O	222.20	<i>Z. mioga</i>	[82]
238	α-panasinsene	C ₁₅ H ₂₄	204.19	<i>Z. officinale</i>	[89]
239	β-panasinsene	C ₁₅ H ₂₄	204.19	<i>Z. officinale</i>	[89]
240	Patchouli alcohol	C ₁₅ H ₂₆ O	222.20	<i>Z. officinale</i>	[81]
241	Neoclovene	C ₁₅ H ₂₄	204.19	<i>Z. officinale</i>	[24]
242	Germacrene D	C ₁₅ H ₂₄	204.19	<i>Z. zerumbet</i>	[87]
				<i>Z. officinale</i>	[79]
				<i>Z.</i>	
243	Germacrene B	C ₁₅ H ₂₄	204.19	<i>corallinum</i>	[93]
				<i>Hance</i>	
				<i>Z.</i>	
244	β-cubebene	C ₁₅ H ₂₄	204.19	<i>striolatum</i>	[84]
				<i>Diels</i>	
				<i>Z.</i>	
245	(+)-cuparene	C ₁₅ H ₂₂	202.17	<i>corallinum</i>	[78]
				<i>Hance</i>	
246	α-cuparenol	C ₁₅ H ₂₂ O	218.17	<i>Z. officinale</i>	[80]
247	α-caryophyllene	C ₁₅ H ₂₄	204.19	<i>Z. zerumbet</i>	[92]
				<i>Z.</i>	
				<i>striolatum</i>	[84]
				<i>Diels</i>	
248	α-humulene	C ₁₅ H ₂₄	204.19	<i>Z. zerumbet</i>	[77]
249	β-humulene	C ₁₅ H ₂₄	204.19	<i>Z. officinale</i>	[108]
250	β-caryophyllene	C ₁₅ H ₂₄	204.19	<i>Z. zerumbet</i>	[77]
				<i>Z.</i>	
				<i>corallinum</i>	[93]
				<i>Hance</i>	
				<i>Z. officinale</i>	[81]
251	Elemol	C ₁₅ H ₂₆ O	222.20	<i>Z. zerumbet</i>	[91]
				<i>Z. officinale</i>	[81]
				<i>Z. mioga</i>	[82]
252	Humulene epoxide I	C ₁₅ H ₂₄ O	220.18	<i>Z. zerumbet</i>	[77]
253	Humulene epoxide II	C ₁₅ H ₂₄ O	220.18	<i>Z. zerumbet</i>	[77]
				<i>Z.</i>	
				<i>striolatum</i>	[84]
				<i>Diels</i>	
254	Humulene epoxide III	C ₁₅ H ₂₄ O	220.18	<i>Z. zerumbet</i>	[77]
255	Caryophyllene oxide	C ₁₅ H ₂₄ O	220.18	<i>Z. zerumbet</i>	[77]
				<i>Z.</i>	
				<i>striolatum</i>	[84]
				<i>Diels</i>	
				<i>Z. officinale</i>	[20]
				<i>Z. mioga</i>	[82]
256	(E)-β-bergamotene	C ₁₅ H ₂₄	204.19	<i>Z. zerumbet</i>	[87]
				<i>Z. mioga</i>	[82]

257	1,5,5,8-tetramethyl-12-oxabicyclo 9.1.0-dodeca-3,7-diene	C ₁₅ H ₂₄ O	220.18	<i>Z. mioga</i>	[82]
258	α -bisabolol	C ₁₅ H ₂₆ O	222.20	<i>Z. officinale</i>	[86]
259	Squalene	C ₃₀ H ₅₀	410.39	<i>Z. officinale</i> <i>Z. mioga</i>	[106] [82]
260	Galanal A	C ₂₀ H ₃₀ O ₃	318.22	<i>Z. mioga</i>	[113]
261	Galanal B	C ₂₀ H ₃₀ O ₃	318.22	<i>Z. mioga</i>	[113]
Flavonoids					
262	Kaempferol-3,4',7-O-trimethylether	C ₁₈ H ₁₆ O ₆	328.09	<i>Z. zerumbet</i>	[114]
263	Kaempferol-3-O-methylether	C ₁₆ H ₁₂ O ₆	300.06	<i>Z. zerumbet</i>	[114]
264	Kaempferol-3,4'-O-dimethylether	C ₁₇ H ₁₄ O ₆	314.08	<i>Z. zerumbet</i>	[114]
265	Kaempferol-3-O-(4-O-acetyl-(x-L-rhamnopyranoside))	C ₂₃ H ₂₂ O ₁₁	474.12	<i>Z. zerumbet</i>	[114]
266	Kaempferol-3-O-(2,4-O-diacetyl-cz-L-rhamnopyranoside)	C ₂₅ H ₂₄ O ₁₂	516.13	<i>Z. zerumbet</i>	[114]
267	Kaempferol-3-O-(3,4-O-diacetyl-- α -L-rhamnopyranoside)	C ₂₅ H ₂₄ O ₁₂	516.13	<i>Z. zerumbet</i>	[114]
268	Quercetin-deoxyhexose- hexose	C ₂₇ H ₃₀ O ₁₆	610.15	<i>Z. striolatum</i> <i>Diels</i>	[54]
269	Quercetin-di-O-galloyl- hexose	C ₃₅ H ₂₈ O ₂₀	768.12	<i>Z. striolatum</i> <i>Diels</i>	[54]
270	Kaempferol-acetyl-deoxyhexose- hexose	C ₂₉ H ₃₂ O ₁₆	636.17	<i>Z. striolatum</i> <i>Diels</i>	[54]
271	Kaempferol-deoxyhexose- hexose	C ₂₇ H ₃₀ O ₁₅	594.16	<i>Z. striolatum</i> <i>Diels</i>	[54]
272	Dihydrokaempferol	C ₁₅ H ₁₂ O ₆	288.06	<i>Z. striolatum</i> <i>Diels</i>	[54]
273	Kaempferol-galloyl- hexose	C ₂₈ H ₂₄ O ₁₅	600.11	<i>Z. striolatum</i> <i>Diels</i>	[54]
274	Quercetin-acetyl-deoxyhexose- hexose	C ₂₉ H ₃₂ O ₁₇	652.16	<i>Z. striolatum</i> <i>Diels</i>	[54]
275	Methyl-quercetin-OCH ₃	C ₁₇ H ₁₄ O ₇	330.07	<i>Z. striolatum</i> <i>Diels</i>	[54]
276	Kaempferol-deoxyhexose	C ₂₁ H ₂₀ O ₁₀	432.11	<i>Z. striolatum</i> <i>Diels</i>	[54]
277	Methyl-quercetin-2OCH ₃	C ₁₈ H ₁₆ O ₇	344.09	<i>Z. striolatum</i> <i>Diels</i>	[54]
278	Kaempferol-pentose	C ₂₀ H ₁₈ O ₁₀	418.09	<i>Z. striolatum</i> <i>Diels</i>	[54]
279	Quercetin-galloyl-pentose	C ₂₇ H ₂₂ O ₁₅	586.10	<i>Z. striolatum</i> <i>Diels</i>	[54]
280	7,4'-dihydroxyflavanone	C ₁₅ H ₁₀ O ₄	254.06	<i>Z. striolatum</i> <i>Diels</i>	[54]

281	Quercetin-O-pentose	C ₂₀ H ₁₈ O ₁₁	434.08	Z. <i>striolatum</i> Diels	[54]
282	Quercetin-galloyl- hexose	C ₂₈ H ₂₄ O ₁₆	616.11	Z. <i>striolatum</i> Diels	[54]
283	5, 3'-di-OH-isoflavone	C ₁₅ H ₁₀ O ₄	254.06	Z. <i>striolatum</i> Diels	[54]
284	Kaempferol-galloyl-pentose	C ₂₇ H ₂₂ O ₁₄	570.10	Z. <i>striolatum</i> Diels	[54]
285	Kaempferol-di-O-galloyl- hexose	C ₃₅ H ₂₈ O ₁₉	752.12	Z. <i>striolatum</i> Diels	[54]
286	Quercetin	C ₁₅ H ₁₀ O ₇	302.04	Z. <i>striolatum</i> Diels	[54]
287	Methyl-quercetin	C ₁₆ H ₁₂ O ₇	316.06	Z. <i>striolatum</i> Diels	[54]
288	Kaempferol	C ₁₅ H ₁₀ O ₆	286.05	Z. <i>striolatum</i> Diels	[54]
289	5-hydro-3,7,3',4'-tetra methoxyflavone	C ₁₉ H ₁₈ O ₇	358.11	Z. <i>officinale</i>	[115]
290	Galangin	C ₁₅ H ₁₁ O ₇	303.05	Z. <i>mioga</i>	[112]
291	Rutin	C ₂₇ H ₃₀ O ₁₆	580.15	Z. <i>mioga</i>	[112]
292	Delphinidin	C ₁₅ H ₁₀ O ₅	270.05	Z. <i>mioga</i>	[112]
293	Cyanidin	C ₁₅ H ₁₁ O ₆	287.06	Z. <i>mioga</i>	[112]
Diphenylheptanes					
294	Curcumin	C ₂₁ H ₂₀ O ₆	368.13	Z. <i>zerumbet</i> Z. <i>corallinum</i> Hance	[116] [94]
295	Hexahydrocurcumin	C ₂₁ H ₂₆ O ₆	374.17	Z. <i>officinale</i>	[117]
296	3-one-5(R)-ethoxy-1-(3-methoxy-4-hydroxyphenyl)- 7-(3-methoxy-4,5-dihydroxy-phenyl) heptane	C ₂₃ H ₃₀ O ₇	418.20	Z. <i>officinale</i>	[101]
297	3-one-5(R)-ethoxy-1-(3-methoxy-4-hydroxyphenyl)- 7-(3,4-dihydroxy-phenyl) heptane	C ₂₂ H ₂₈ O ₆	388.19	Z. <i>officinale</i>	[101]
298	(E)-7-(4-hydroxyphenyl)-1-heptphenyl-4-en-3-one	C ₁₉ H ₂₀ O ₂	280.15	Z. <i>officinale</i>	[115]
299	7-(3,4-dihydroxy-phenyl)-5-hydroxy-1-phenyl-3- heptanone	C ₁₉ H ₂₂ O ₄	314.15	Z. <i>officinale</i>	[115]
300	7-(3,4-dihydroxy-5-methoxyphenyl)-5-hydroxy-1- phenyl-3-heptanone	C ₂₀ H ₂₄ O ₅	344.16	Z. <i>officinale</i>	[115]
301	7-(3,4-dihydroxy-5-methoxy-phenyl)-5-hydroxy-1- (4-hydroxy-3-methoxyphenyl)-3-heptanone	C ₂₁ H ₂₆ O ₇	390.17	Z. <i>officinale</i>	[115]
302	7-(3,4-dihydroxy-5-methoxyphenyl)-5-hydroxy-1- (4-hydroxy-3-methoxyphenyl)heptan-3-one	C ₂₁ H ₂₆ O ₇	390.17	Z. <i>officinale</i>	[41]
303	1-(4-Hydroxy-3-methoxy-phenyl)-7-(3-hydroxy-4- methoxy-phenyl)-3,5-heptanediol	C ₂₁ H ₂₈ O ₆	376.19	Z. <i>officinale</i>	[115]
304	1,7-bis(4-hydroxy-3-methoxyphenyl)heptane-3,5- diol	C ₂₁ H ₂₈ O ₆	376.19	Z. <i>officinale</i>	[41]
305	(E)-5-hydroxy-1,7-di-phenylhept-6-en-3-one	C ₁₉ H ₂₀ O ₂	280.15	Z. <i>officinale</i>	[115]
306	(4Z,6E)-5-hydroxy-1,7-diphenylhepta-4,6-dien-3- one	C ₁₉ H ₁₈ O ₂	278.13	Z. <i>officinale</i>	[115]
307	7-(4-hydroxy-3-methoxyphenyl)-1-(4- hydroxyphenyl)-5-methoxy-3-heptanone	C ₂₁ H ₂₆ O ₅	358.18	Z. <i>officinale</i>	[115]

308	7-(4-hydroxy-3-methoxyphenyl)-1-(4-hydroxy-phenyl)-3-heptanone	C ₂₀ H ₂₄ O ₄	328.17	<i>Z. officinale</i>	[115]
309	1,7-bis(4-hydroxyphenyl)-3-heptanone	C ₁₉ H ₂₂ O ₃	298.16	<i>Z. officinale</i>	[115]
310	(E)-7-(3,4-Dihydroxyphenyl)-1-(4-hydro-3-methoxyphenyl)-4-hepten-3-one	C ₂₀ H ₂₂ O ₅	342.15	<i>Z. officinale</i>	[115]
311	Gingerenone A	C ₂₁ H ₂₄ O ₅	356.16	<i>Z. officinale</i> <i>Z. mioga</i>	[41] [112]
312	1-(4-hydro-3-methoxyphenyl)-7-phenyl-3,5-heptanedione	C ₂₀ H ₂₂ O ₄	326.15	<i>Z. officinale</i>	[115]
313	3,5-dioxo-1,7-bis(3-methoxy-4-hydroxy)-phenyl-heptane	C ₂₁ H ₂₄ O ₆	370.18	<i>Z. officinale</i>	[41]
314	3,5-diacetoxy-1-(3-methoxy-4,5-dihydroxy-phenyl)-7-(4-hydroxy-3-methoxyphenyl)heptane	C ₂₅ H ₃₂ O ₉	476.20	<i>Z. officinale</i>	[41]
315	5-(6-(2-(3,4-dihydroxy-5-methoxyphenyl)-2-methoxyethyl)-4-hydroxytetrahydro-2-hpyran-2-yl)-3-methoxybenzene-1,2-diol	C ₂₂ H ₂₈ O ₉	464.20	<i>Z. officinale</i>	[111]
316	5-(6-(3,4-dihydroxyphenethyl)-4-hydroxytetrahydro-2-hpyran-2-yl)-3-methoxybenzene-1,2-diol	C ₂₀ H ₂₄ O ₇	376.15	<i>Z. officinale</i>	[111]
317	5-(4-hydroxy-6-(4-dihydroxyphenethyl)tetrahydro-2-hpyran-2-yl)-3-methoxybenzene-1,2-diol	C ₂₀ H ₂₄ O ₆	360.16	<i>Z. officinale</i>	[111]
318	5-(4-hydroxy-6-(4-dihydroxyphenethyl)tetrahydro-2-hpyran-2-yl)-3-methoxybenzene-1,2-diol	C ₂₁ H ₂₆ O ₇	390.17	<i>Z. officinale</i>	[111]
319	1,5-epoxy-3-hydroxy-1-(3,4-hydroxy-5-methoxyphenyl)-7-(4-hydroxy-3-methoxyphenyl)heptane	C ₂₁ H ₂₆ O ₇	390.17	<i>Z. officinale</i>	[41]
320	5-[4-hydroxy-6-(4-hydroxyphenethyl)tetrahydro-2H-pyran-2-yl]-3-methoxybenzene-1,2-dio	C ₂₀ H ₂₄ O ₆	360.16	<i>Z. officinale</i>	[41]
Gingerol analogues					
321	Dihydrocapsaicin	C ₁₈ H ₂₉ N O ₃	307.21	<i>Z. officinale</i>	[86]
322	Zingerone	C ₁₁ H ₁₄ O ₃	194.09	<i>corallinum</i> <i>Hance</i> <i>Z. officinale</i>	[94] [86]
323	2-gingerol	C ₁₃ H ₁₈ O ₄	238.12	<i>Z. officinale</i>	[115]
324	4-gingerol	C ₁₅ H ₂₂ O ₄	266.15	<i>Z. officinale</i>	[115]
325	6-gingerol	C ₁₇ H ₂₆ O ₄	294.18	<i>Z. officinale</i>	[115]
326	8-gingerol	C ₁₉ H ₃₀ O ₄	322.21	<i>Z. officinale</i>	[115]
327	10-gingerol	C ₂₁ H ₃₄ O ₄	350.25	<i>Z. officinale</i>	[115]
328	12-gingerol	C ₂₃ H ₃₈ O ₄	378.28	<i>Z. officinale</i>	[115]
329	6-gingerdiol	C ₁₇ H ₂₈ O ₄	296.20	<i>Z. officinale</i> <i>Z. mioga</i>	[115] [112]
330	8-gingerdiol	C ₁₉ H ₃₂ O ₄	324.23	<i>Z. officinale</i>	[115]
331	10-gingerdiol	C ₂₁ H ₃₆ O ₄	352.26	<i>Z. officinale</i>	[115]
332	4-shogaol	C ₁₅ H ₂₀ O ₃	248.14	<i>Z. officinale</i>	[115]
333	6-shogaol	C ₁₇ H ₂₄ O ₃	276.17	<i>Z. officinale</i>	[115]
334	8-shogaol	C ₁₉ H ₂₈ O ₃	304.20	<i>Z. officinale</i>	[115]
335	10-shogaol	C ₂₁ H ₃₂ O ₃	332.24	<i>Z. officinale</i>	[115]
336	12-shogaol	C ₂₃ H ₃₆ O ₃	360.27	<i>Z. officinale</i>	[115]
337	Methyl-6-shogaol	C ₁₈ H ₂₆ O ₃	290.19	<i>Z. officinale</i>	[118]
338	6-hydroxyl-6-shogaol	C ₁₇ H ₂₄ O ₄	292.17	<i>Z. officinale</i>	[115]
339	Methyl-6-gingerol	C ₁₈ H ₂₈ O ₄	308.20	<i>Z. officinale</i>	[115]
340	Methyl-8-gingerol	C ₂₀ H ₃₂ O ₄	336.23	<i>Z. officinale</i>	[115]
341	Methyl-10-gingerol	C ₂₂ H ₃₆ O ₄	364.26	<i>Z. officinale</i>	[115]
342	Methyl-6-gingerdiol	C ₁₈ H ₃₀ O ₄	310.21	<i>Z. officinale</i>	[115]
343	Acetoxy-8-gingerol	C ₂₁ H ₃₂ O ₅	364.22	<i>Z. officinale</i>	[115]

344	Acetoxy-10-gingerol	C ₂₃ H ₃₆ O ₅	392.26	Z. officinale	[115]
345	Methylacetoxy-6-gingerol	C ₂₀ H ₃₀ O ₅	350.21	Z. officinale	[115]
346	3-Acetoxy-6-gingerdiol	C ₁₉ H ₃₀ O ₅	338.21	Z. officinale	[115]
347	5-Acetoxy-7-gingerdiol	C ₂₀ H ₃₂ O ₅	352.22	Z. officinale	[118]
348	Methyl diacetoxy-4-gingerdiol	C ₂₀ H ₃₀ O ₆	366.20	Z. officinale	[118]
349	Methyl-3-acetoxy-6-gingerdiol	C ₂₀ H ₃₂ O ₅	352.22	Z. officinale	[115]
350	Methyldiacetoxy-6-gingerdiol	C ₂₂ H ₃₄ O ₆	394.24	Z. officinale	[115]
351	Diacetoxy-8-gingerdiol	C ₂₃ H ₃₆ O ₆	408.25	Z. officinale	[115]
352	6-gingerdione	C ₁₇ H ₂₄ O ₄	292.17	Z. officinale	[119]
353	8-gingerdione	C ₁₉ H ₂₈ O ₄	320.20	Z. officinale	[115]
354	10-gingerdione	C ₂₁ H ₃₂ O ₄	348.23	Z. officinale	[115]
355	6-paradol	C ₁₇ H ₂₆ O ₃	278.19	Z. officinale	[115]
356	7-paradol	C ₁₈ H ₂₉ O ₃	292.20	Z. officinale	[118]
357	6-dehydrogingerdione	C ₁₇ H ₂₂ O ₄	290.15	Z. officinale	[115]
358	8-dehydrogingerdione	C ₁₉ H ₂₆ O ₄	318.18	Z. officinale	[115]
359	10-dehydrogingerdione	C ₂₁ H ₃₀ O ₄	346.21	Z. officinale	[115]
360	12-dehydrogingerdione	C ₂₃ H ₃₄ O ₄	374.25	Z. officinale	[115]
361	Geranjferu licacid	C ₂₀ H ₂₆ O ₄	330.18	Z. officinale	[119]
362	8-isodehydro gingerdione	C ₁₉ H ₂₆ O ₄	318.18	Z. officinale	[119]
363	6-isodehydro gingerdione	C ₁₇ H ₂₂ O ₄	290.15	Z. officinale	[119]
364	1-(4-hydroxy-3-methoxyphenyl)-3-tetradecanone	C ₂₁ H ₃₄ O ₃	334.25	Z. officinale	[119]
365	6-gingesulfonic acid	C ₁₇ H ₂₆ O ₆ S	358.15	Z. officinale	[119]
366	8-gingesulfonic acid	C ₁₉ H ₃₀ O ₆ S	386.18	Z. officinale	[119]
367	10-gingesulfonic acid	C ₂₁ H ₃₄ O ₆ S	414.21	Z. officinale	[119]
Organic acids					
368	4-hydroxybenzoic acid	C ₇ H ₆ O ₃	138.03	Z. striolatum Diels	[121]
369	3-hydroxy-4-methoxybenzoic acid	C ₈ H ₈ O ₄	168.04	Z. striolatum Diels	[121]
370	Linoleic acid	C ₁₇ H ₃₀ O ₂	282.22	Z. striolatum Diels Z. officinale	[23] [86]
371	(E)-16-methylheptadec-2-enoic acid	C ₁₈ H ₃₄ O ₂	282.26	Z. striolatum Diels	[122]
372	α-linolenic acid	C ₁₈ H ₃₀ O ₂	278.22	Z. officinale Z. mioga	[23] [86] [112]
373	Glycosmistic acid	C ₂₀ H ₂₀ O ₇	372.12	Z. officinale	[99]
374	(3,4-Dimethoxyphenyl) Acetic Acid	C ₁₀ H ₁₂ O ₄	196.07	Z. officinale	[99]
375	(2Z,6Z)-2,6-dimethylocta-2,6-dienedioic acid	C ₁₀ H ₁₄ O ₄	198.09	Z. officinale	[99]
376	Isovaleric acid	C ₅ H ₁₀ O ₂	102.07	Z. officinale	[88]
377	Hexanoic acid	C ₆ H ₁₁ O ₂	116.08	Z. officinale	[88]
378	Tetracosanoic acid	C ₂₄ H ₄₈ O ₂	368.37	Z. officinale	[117]
379	Melissic acid	C ₃₀ H ₆₀ O ₂	452.46	Z. officinale	[117]
380	9,12-octadecadienoic acid	C ₁₈ H ₃₂ O ₂	280.24	Z. officinale	[60]
381	3-acetamidobenzoic acid	C ₉ H ₉ NO ₃	179.06	Z. officinale	[60]
382	Dihydrophaseic acid	C ₁₃ H ₁₈ O ₆	270.11	Z. officinale	[123]
383	4-hydroxy-3,5-dimethoxybenzoic acid	C ₉ H ₁₀ O ₅	198.05	Z. officinale	[119]
384	3-(4-hydroxy-3-methoxyphenyl)propanoic acid	C ₁₀ H ₁₂ O ₄	196.07	Z. officinale	[119]
385	p-hydroxybenzene propanoic acid	C ₉ H ₁₀ O ₃	166.06	Z. officinale	[119]

386	Pinocarveyl acetate trans-	C ₁₂ H ₁₈ O ₂	194.13	<i>Z. mioga</i>	[82]
387	Propanoic acid	C ₃ H ₆ O ₂	74.04	<i>Z. mioga</i>	[112]
388	Glutaric acid	C ₅ H ₈ O ₄	132.04	<i>Z. mioga</i>	[112]
389	Ethylmalonic acid	C ₄ H ₆ O ₄	118.03	<i>Z. mioga</i>	[112]
390	Citric acid	C ₇ H ₁₀ O ₇	206.04	<i>Z. mioga</i>	[112]
391	Phenylalanine	C ₉ H ₁₁ NO ₂	165.08	<i>Z. mioga</i>	[112]
392	2-(Methylamino)benzoic acid	C ₈ H ₉ NO ₂	151.06	<i>Z. mioga</i>	[112]
393	Tryptophan	C ₁₁ H ₁₂ N ₂ O ₂	204.09	<i>Z. mioga</i>	[112]
394	Oxalic acid	C ₂ H ₂ O ₄	90.03	<i>Z. officinale</i>	[30]
395	Tartaric acids	C ₄ H ₆ O ₆	150.02	<i>Z. officinale</i>	[30]
Sterides					
396	Daucosterol	C ₃₅ H ₆₀ O ₆	576.44	<i>Z. corallinum</i> <i>Hance</i> <i>Z. striolatum</i> <i>Diels</i> <i>Z. officinale</i>	[94] [124] [118]
397	β-sitosterol	C ₃₀ H ₅₂ O	428.40	<i>Z. striolatum</i> <i>Diels</i> <i>Z. officinale</i>	[124] [118]
Others					
398	4-(4-hydroxy-3-methoxyphenyl)but-3-en-2-one	C ₁₁ H ₁₂ O ₃	192.08	<i>Z. officinale</i>	[100]
399	1-(4-hydroxy-3-methoxyphenyl)ethanone	C ₉ H ₁₀ O ₃	166.06	<i>Z. officinale</i>	[100]
400	2,5-dibutylfuran	C ₁₂ H ₂₀ O	180.15	<i>Z. officinale</i>	[60]
401	Tetrahydrofuran	C ₄ H ₈ O	72.06	<i>Z. mioga</i>	[82]
402	Glycerol	C ₃ H ₈ O ₃	92.05	<i>Z. mioga</i>	[112]
403	Hedycaryol	C ₁₅ H ₂₆ O	222.20	<i>Z. zerumbet</i>	[7]
404	p-hydroxybenzaldehyde	C ₇ H ₆ O ₂	122.04	<i>Z. zerumbet</i> <i>Z. officinale</i>	[114] [125]
405	Vanillin	C ₈ H ₈ O ₃	152.05	<i>Z. zerumbet</i> <i>Z. corallinum</i> <i>Hance</i>	[114] [83]
406	Zerumbone epoxide	C ₁₆ H ₂₄ O ₂	348.18	<i>Z. zerumbet</i> <i>Z. striolatum</i> <i>Diels</i> <i>Z. striolatum</i> <i>Diels</i>	[126] [124]
407	Sucrose	C ₁₂ H ₂₂ O ₁₁	334.12	<i>Z. striolatum</i> <i>Diels</i> <i>Z. striolatum</i> <i>Diels</i>	[124] [121]
408	α-tritiated thymidine	C ₅ H ₅ TN ₂ O ₂	128.05	<i>Z. striolatum</i> <i>Diels</i> <i>Z. striolatum</i> <i>Diels</i>	[121] [121]
409	Uracil	C ₄ H ₄ N ₂ O ₂	112.03	<i>Z. striolatum</i> <i>Diels</i> <i>Z. officinale</i>	[121] [117]
410	Hexanal	C ₆ H ₁₂ O	100.09	<i>Z. officinale</i>	[86]
411	Decane-2-dione	C ₁₀ H ₂₀ O	156.15	<i>Z. officinale</i>	[86]
412	Undecanal	C ₁₁ H ₂₂ O	170.17	<i>Z. officinale</i>	[86]
413	3-undecyne	C ₁₁ H ₂₀	152.16	<i>Z. mioga</i>	[82]
414	3,7,11,15-tetramethylhexadeca-1,3,6,10,14-pentaene	C ₂₀ H ₃₂	272.25	<i>Z. officinale</i>	[86]
415	3,3,6-trimethylhepta-4,5-diene-2-one	C ₁₀ H ₁₆ O	152.12	<i>Z. officinale</i>	[86]
416	Citrylidenmalonsaeure	C ₁₂ H ₁₆ O ₄	224.10	<i>Z. officinale</i>	[41]
417	3-oxabicyclo[3.2.0]heptane-2,4-dione	C ₆ H ₆ O ₃	126.03	<i>Z. officinale</i>	[118]
418	Indole-3-carboxaldehyde	C ₉ H ₇ NO	145.05	<i>Z. officinale</i>	[99]

419	(Z)-2,6-dimethylocta-6-diene-1,8-diol	C ₁₀ H ₂₀ O ₂	172.15	Z. officinale	[99]
420	Acetal	C ₆ H ₁₄ O ₂	118.10	Z. officinale	[88]
421	Heptan-2-one	C ₇ H ₁₄ O	114.10	Z. officinale	[88]
422	Heptaldehyde	C ₇ H ₁₄ O	114.10	Z. officinale	[88]
423	Valeraldehyde propyleneglycol acetal 2	C ₈ H ₁₆ O ₂	144.12	Z. officinale	[88]
424	trans-2-heptenal	C ₇ H ₁₂ O	112.09	Z. officinale	[88]
425	2-ethylhexanol	C ₈ H ₁₈ O	130.14	Z. officinale	[88]
426	2-nonanol	C ₉ H ₂₀ O	144.15	Z. officinale	[88]
427	trans-2-decenal	C ₁₀ H ₁₈ O	154.14	Z. officinale	[88]
428	2-undecanol	C ₁₁ H ₂₄ O	172.18	Z. officinale	[88]
429	(+)-isolariciresinol	C ₂₀ H ₂₄ O ₆	360.16	Z. officinale	[100]
430	Ethyl 4'-hydroxy-3'-methoxycinnamate	C ₁₂ H ₁₄ O ₄	222.09	Z. officinale	[100]
431	(+)-pinoresinol	C ₂₀ H ₂₂ O ₆	358.14	Z. officinale	[100]
432	1-octen-3-ol	C ₈ H ₁₆ O	128.12	Z. mioga	[82]
433	bis(2-ethylOctyl) phthalate	C ₂₈ H ₄₆ O ₄	446.34	Z. officinale	[117]
434	5-hydroxymethylfurfural	C ₆ H ₆ O ₃	126.03	Z. officinale	[117]
435	Isovanillin	C ₈ H ₈ O ₃	152.05	Z. officinale	[125]
436	Carinol	C ₂₀ H ₂₆ O ₇	378.17	Z. officinale	[60]
437	1,4-naphthoquinon	C ₁₀ H ₆ O ₂	158.04	Z. officinale	[60]
438	3,5,6-trihydroxy-7-megastigmen-9-one	C ₁₃ H ₂₂ O ₄	242.15	Z. officinale	[123]
439	3-(3-hydroxybutyl)-2,4,4-trimethyl-2,5-cyclohexadien-1-one	C ₁₃ H ₂₀ O ₂	208.15	Z. officinale	[123]
440	Grasshopper ketone	C ₁₃ H ₂₀ O ₃	224.14	Z. officinale	[123]
441	1,3,6-tri-hydroxy-8-methyl-anthra-quinone	C ₁₅ H ₁₀ O ₅	270.05	Z. officinale	[119]
442	3',5-diallylbiphenyl-2,4'-diol	C ₁₈ H ₁₈ O ₂	266.13	Z. officinale	[119]
443	Butylbenzene	C ₁₀ H ₁₄	134.11	Z. mioga	[82]
444	2-methylbutanal	C ₅ H ₁₀ O	86.07	Z. mioga	[82]
445	3-hydroxy-2-butanone	C ₄ H ₈ O ₂	88.05	Z. mioga	[82]
446	2-acetylcyclopentanone	C ₇ H ₁₀ O ₂	126.07	Z. mioga	[82]
447	D-Mannose	C ₆ H ₁₂ O ₆	180.06	Z. mioga	[112]

Table S2. Antimicrobial effect of *Zingiber* plants.

Extracts/Compounds	Microbes	Inhibitory concentrations		Reference	
		(µg/mL)			
10-gingerol	<i>P. gingivalis</i> ATCC 53978	MIC: 6	MBC: 6	[55]	
	<i>Porphyromonas endodontalis</i> ATCC 35406	MIC: 8	MBC: 4		
	<i>P. intermedia</i> ATCC 25611	MIC: 14	MBC: 14		
	<i>Mycobacterium avium</i>	MIC: 25			
	<i>Mycobacterium tuberculosis</i>	MIC: 50			
12-gingerol	<i>P. gingivalis</i> ATCC 53978	MIC: 15	MBC: 10		
	<i>Porphyromonas endodontalis</i> ATCC 35406	MIC: 15	MBC: 10		
	<i>P. intermedia</i> ATCC 25611	MIC: 30	MBC: 20		
6-gingerol	<i>Helicobacter pylori</i>	MIC: 20		[127]	
Zerumbone	<i>S. mutans</i> ATCC35668	MIC: 250	MBC: 500	[54]	
	<i>E. faecalis</i> ATCC 29212	MIC: 250	MBC: 250	[39]	
	<i>E. faecalis</i> ATCC 29212	MIC: 250	MBC: 250		
	<i>E. faecalis</i> ATCC 29212	MIC: 250	MBC: 250		
	<i>E. faecalis</i> ATCC 29212	MIC: 250	MBC: 250		
	<i>E. faecalis</i> ATCC 29212	MIC: 250	MBC: 250		
	<i>E. faecalis</i> ATCC 29212	MIC: 250	MBC: 250		
	<i>E. faecalis</i> ATCC 29212	MIC: 250	MBC: 250		
	<i>E. faecalis</i> ATCC 29212	MIC: 250	MBC: 250		
	<i>H. pylori</i> NCTC11637	MIC: 250		[54]	
	<i>H. pylori</i> J99	MIC: 250			
	<i>C. albicans</i> ATCC 14053	MIC: 64		[53]	
	<i>E. floccosum</i>	MIC: 8	MFC: 64	[128]	
	<i>M. canis</i>	MIC: 8	MFC: 64		
	<i>M. gypseum</i>	MIC: 16	MFC: 128		
	<i>T. rubrum</i>	MIC: 16	MFC: 128		
Z. zerumbet fresh rhizome essential oil	<i>E. faecalis</i> ATCC 29212	MIC: 1250	MBC: 1250		
	<i>S. aureus</i> ATCC 6538P	MIC: 78.13	MBC: 156.25		
	<i>B. subtilis</i> CMCC (B) 63501	MIC: 78.13	MBC: 156.25		
	<i>P. aeruginosa</i> CMCC (B)10104	MIC: 312.5	MBC: 625.00		
	<i>E. coli</i> ATCC 25922	MIC: 156.25	MBC: 312.25		
	<i>P. vulgaris</i> CMCC (B) 49027	MIC: 78.13	MBC: 156.25		
	<i>C. albicans</i> CMCC (F) 98001	MIC: 312.5	MBC: 2500.0		
	<i>E. faecalis</i> ATCC 29212	MIC: 1250	MBC: 1250		
	<i>S. aureus</i> ATCC 6538P	MIC: 156.25	MBC: 156.25		
	<i>B. subtilis</i> CMCC (B) 63501	MIC: 156.25	MBC: 312.50		
Z. zerumbet dry rhizome essential oil	<i>P. aeruginosa</i> CMCC (B)10104	MIC: 312.50	MBC: 625.00		
	<i>E. coli</i> ATCC 25922	MIC: 156.25	MBC: 625.00		
	<i>P. vulgaris</i> CMCC (B) 49027	MIC: 156.25	MBC: 312.50		
	<i>C. albicans</i> CMCC (F) 98001	MIC: 312.50	MBC: 2500.00		
	<i>Acinetobacter baumannii</i>	MIC: 1457.81	MBC: 1457.81		[129]
	<i>Rhizoctonia solani</i> Kühn	EC ₅₀ : 3.64			[95]
	<i>Fusarium gram inearum</i>	EC ₅₀ : 11.20			
	<i>Fusarium nivale</i>	EC ₅₀ : 11.33			
	<i>Pyricularia oryzae</i>	EC ₅₀ : 14.19			
	<i>Trichophyton rubrum</i>	MIC: 0.3			[130]
Z. corallinum essential oil	<i>Trichophyton Mentagrophytes</i>	MIC: 0.5			
	<i>Trichophyton Rosaceum</i>	MIC: 0.5			
	<i>Trichoderma hirsutum</i>	MIC: 1			
	<i>Trichoderma flocculus</i>	MIC: 0.5			
	<i>Microsporum gypseum</i>	MIC: 1			
	<i>Microsporum ferrugineum</i>	MIC: 1			
	<i>Microsporum lanosum</i>	MIC: 1			

Miogadial	<i>Candida Albicans</i>	MIC: 5	[25]
	<i>Cryptococcus neo formans</i>	MIC: 2	
	<i>Fonsecaea pedrosoi</i>	MIC: 2	
	<i>Sporothrix schenckii</i>	MIC: 2	
	<i>Bacillus cereus</i> ATCC 10702	MIC: 25	
	<i>Bacillus subtilis</i> ATCC 6633	MIC: 25	
	<i>Staphylococcus aureus</i> ATCC 12600	MIC: 60	
	<i>Staphylococcus aureus</i> ATCC 361	MIC: 25	
	<i>Staphylococcus epidermidis</i> ATCC 14990	MIC: 25	
	<i>Staphylococcus faecalis</i> RIMD 3116001	MIC: 125	
	<i>Candida albicans</i> NBRC 2091	MIC: 50	
	<i>Candida tropicalis</i> NBRC 66029	MIC: 50	
	<i>Candida glabata</i> NBRC 2001	MIC: 100	
	<i>Zygosaccharomyces rouxii</i> NBRC 28253	MIC: 50	
	<i>Saccharomyces cerevisiae</i> NBRC 2601	MIC: 50	
	<i>Aspergillus fumigatus</i> NBRC 7080	MIC: 500	
	<i>Penicillium frequentans</i> NBRC 7919	MIC: 500	
Galanal A	<i>Bacillus cereus</i> ATCC 10702	MIC: 200	
	<i>Bacillus subtilis</i> ATCC 6633	MIC: 500	
	<i>Staphylococcus aureus</i> ATCC 12600	MIC: 500	
	<i>Staphylococcus aureus</i> ATCC 361	MIC: 500	
	<i>Staphylococcus epidermidis</i> ATCC 14990	MIC: 500	
	<i>Candida albicans</i> NBRC 2091	MIC: 200	
	<i>Candida tropicalis</i> NBRC 66029	MIC: 200	
	<i>Candida glabata</i> NBRC 2001	MIC: 500	
	<i>Zygosaccharomyces rouxii</i> NBRC 28253	MIC: 200	
	<i>Saccharomyces cerevisiae</i> NBRC 2601	MIC: 200	
Galanal B	<i>Bacillus cereus</i> ATCC 10702	MIC: 200	
	<i>Bacillus subtilis</i> ATCC 6633	MIC: 300	
	<i>Staphylococcus aureus</i> ATCC 12600	MIC: 500	
	<i>Staphylococcus aureus</i> ATCC 361	MIC: 300	
	<i>Staphylococcus epidermidis</i> ATCC 14990	MIC: 300	
	<i>Candida albicans</i> NBRC 2091	MIC: 200	
	<i>Candida tropicalis</i> NBRC 66029	MIC: 200	
	<i>Candida glabata</i> NBRC 2001	MIC: 500	
	<i>Zygosaccharomyces rouxii</i> NBRC 28253	MIC: 200	
	<i>Saccharomyces cerevisiae</i> NBRC 2601	MIC: 200	

MFC: minimum fungicidal concentration; MIC: minimum inhibitory concentration; MBC: minimum bactericidal concentration; EC₅₀: the half maximal effective concentration.

Table S3. Larvicidal effect of *Zingiber* plants.

Extracts/Compounds	Insects	Inhibitory concentrations ($\mu\text{g/mL}$)		References
Methanol extract of <i>Z. zerumbet</i> rhizomes	<i>Artemia salina</i>	24h: LC_{50} =		[57]
		127.4	LC_{90} = 351.4	
		48h: LC_{50} =	LC_{90} = 195.6	
	<i>Aedes aegypti</i>	64.0		
		48h: LC_{50} =		
		293.2	LC_{90} = 471.6	
	<i>Anopheles nuneztovari</i>	72h: LC_{50} =	LC_{90} = 382.6	
		232.3		
		48h: LC_{50} =		
Dichloromethane extract of <i>Z. zerumbet</i> rhizomes	<i>Aedes aegypti</i>	73.9	LC_{90} = 227.9	[56]
		72h: LC_{50} =	LC_{90} = 210.5	
		68.1		
	<i>Artemia salina</i>	24h: LC_{50} =		
		40.4	LC_{90} = 177.7	
		48h: LC_{50} =	LC_{90} = 132.8	
	<i>Anopheles nuneztovari</i>	30.9		
		48h: LC_{50} =		
		89.8	LC_{90} = 170.5	
<i>Z. corallinum</i> essential oil	<i>Aedes albopictus</i>	72h: LC_{50} =	LC_{90} = 141.4	[56]
		68.2		
	<i>Culex quinquefasciatus</i>	48h: LC_{50} =		
		62.8	LC_{90} = 206.4	
		72h: LC_{50} =	LC_{90} = 142.8	
<i>Z. corallinum</i> essential oil	<i>Aedes albopictus</i>	54.6		[56]
		24h: LC_{50} =		
		77.994		
<i>Z. corallinum</i> essential oil	<i>Culex quinquefasciatus</i>	24h: LC_{50} =		[56]
		66.574		

LC_{50} : lethal concentration 50%; LC_{90} : lethal concentration 90%.