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Traditional uses, chemical components and pharmacological activities of the genus *Ganoderma* P. Karst.: a review

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Captions

Fig. S1 Various mushrooms peddled in the market (*Ganoderma* is marked in red).

Table S1. The main chemical components of *Ganoderma*

Fig. S2 Metabolites isolated from various *Ganoderma* species

Fig. S1 Various mushrooms peddled in the market (*Ganoderma* is marked in red)

Table S1 The main chemical components of *Ganoderma*

NO	Compounds	Species	Chemical formula	Parts	Reference
Triterpenes					
1	12,15-Bis(acetyloxy)-3-hydroxy-7,11,23-trioxo-lanost-8-en-26-oic acid	*G. lucidum*	$C_{34}H_{48}O_{10}$	Fruiting body (c)	1
2	12-Acetoxy ganoderic acid D	*G. lucidum*	$C_{32}H_{44}O_9$	Fruiting body (c)	1
3	12-Acetoxyganoderic A	*G. sinense*	$C_{32}H_{42}O_9$	Fruiting body (c)	2
4	12-Hydroxy ganoderic acid C_2	*G. lucidum*	$C_{30}H_{44}O_8$	Fruiting body (c)	1
5	12β-Acetoxy-3,7,11,15,23-pentaoxo-5α-lanosta-8-en-26-oic acid ethyl ester	*G. lucidum*	$C_{34}H_{46}O_9$	Fruiting body (c)	3
6	12β-Acetoxy-3,7,11,15,23-pentaoxolanost-8-en-26-oic acid butyl ester	*G. lucidum*	$C_{36}H_{50}O_9$	Fruiting body (c)	4
7	12β-Acetoxy-3β,7β-dihydroxy-11,15,23-trioxolanost-8-en-26-oic acid butyl ester	*G. lucidum*	$C_{36}H_{54}O_9$	Fruiting body (c)	4
8	12β-Acetoxy-3β,7β-dihydroxy-11,15,23-trioxo-lanost-8,16-dien-26-oic acid	*G. lucidum*	$C_{34}H_{48}O_9$	Fruiting body (c)	5
9	12β-Hydroxy-3,7,11,15,23-pentaoxo-5α-lanosta-8-en-26-oic acid	*G. lucidum*	$C_{36}H_{52}O_{10}$	Fruiting body (c)	5
10	Ganoderic acid A	*G. lucidum*	$C_{30}H_{44}O_7$	Fruiting body (c)	6
11	Ganoderic acid B	*G. lucidum*	$C_{30}H_{44}O_7$	Fruiting body/Mycelium (c)	7
12	Ganoderic acid C_1	*G. lucidum*	$C_{30}H_{42}O_7$	Fruiting body (c)	5
13	Ganoderic acid C_2	*G. lucidum*	$C_{30}H_{46}O_7$	Fruiting body (c)	8
14	Ganoderic acid D_1	*G. lucidum*	$C_{30}H_{42}O_8$	Fruiting body (c)	9
15	Ganoderic acid E	*G. mastoporum*	$C_{30}H_{40}O_7$	Fruiting body (w)	7
16	Ganoderic acid F	*G. lucidum*	$C_{32}H_{42}O_9$	Fruiting body (c)	6
17	Ganoderic acid G	*G. lucidum*	$C_{30}H_{44}O_8$	Fruiting body (c)	6
18	Ganoderic acid H	*G. lucidum*	$C_{32}H_{44}O_9$	Fruiting body (c)	6
19	Ganoderic acid I	*G. sessile*	$C_{30}H_{44}O_8$	Fruiting body (c)	7
20	Ganoderic acid J	*G. sessile*	$C_{30}H_{42}O_7$	Fruiting body (c)	7
21	Ganoderic acid K	*G. lucidum*	$C_{32}H_{46}O_9$	Fruiting body (c)	7, 10
22	Ganoderic acid L	*G. lucidum*	$C_{30}H_{46}O_8$	Fruiting body (c)	11
23	Ganoderic acid M	*G. lucidum* *G. sessile*	$C_{30}H_{42}O_8$	Fruiting body (c)	12
24	Ganoderic acid N	*G. lucidum*	$C_{30}H_{42}O_8$	Fruiting body (c)	12
25	Ganoderic acid O	*G. lucidum*	$C_{30}H_{40}O_8$	Fruiting body (c)	13
26	Ganoderic acid AM_1	*G. lucidum*	$C_{30}H_{42}O_7$	Fruiting body (c)	7
27	Ganoderic acid AP	*G. lucidum*	$C_{30}H_{42}O_9$	Fruiting body (c)	14
28	Ganoderic acid AP_3	*G. theaecolum*	$C_{30}H_{42}O_8$	Fruiting body (w)	7
29	Ganoderic acid B_8	*G. lucidum* *G. applanatum*	$C_{30}H_{44}O_7$	Fruiting body (c)	15, 16
30	Ganoderic acid C_6	*G. lucidum* *G. sessile*	$C_{30}H_{42}O_8$	Fruiting body (w)	7
31	Ganoderic acid Df	*G. lucidum*	$C_{30}H_{44}O_7$	Fruiting body (c)	7
32	Ganoderic acid α	*G. lucidum*	$C_{32}H_{46}O_9$	Fruiting body (c)	7
33	20-Hydroxy ganoderic acid G	*G. lucidum*	$C_{30}H_{44}O_9$	Fruiting body (c)	5
34	20-Hydroxy ganoderic acid AM_1	*G. lucidum*	$C_{30}H_{42}O_8$	Fruiting body (c)	5
35	3-O-Acetyl ganoderic acid B	*G. lucidum*	$C_{32}H_{46}O_9$	Fruiting body (c)	5
36	3-O-Acetyl ganoderic acid H	*G. lucidum*	$C_{34}H_{46}O_{10}$	Fruiting body (c)	5

Table S1 The main chemical components of *Ganoderma*

NO	Compounds	Species	Chemical formula	Parts	Reference
37	3-O-Acetyl ganoderic acid K	*G. lucidum*	$C_{32}H_{46}O_8$	Fruiting body (c)	5
38	Ganolucidic acid A	*G. sessile*	$C_{30}H_{44}O_6$	Fruiting body (c)	7
39	Ganolucidic acid B	*G. theaecolum*	$C_{30}H_{46}O_6$	Fruiting body (w)	7
40	Methyl ganoderate A	*G. lucidum*	$C_{31}H_{46}O_7$	Fruiting body (c)	17
41	Methyl ganoderate B	*G. theaecolum*	$C_{31}H_{46}O_7$	Fruiting body (c)	7
42	Methyl ganoderate C	*G. lucidum*	$C_{31}H_{44}O_7$	Fruiting body (c)	5
43	Methyl ganoderate D	*G. lucidum*	$C_{31}H_{44}O_7$	Fruiting body (c)	5
44	Methyl ganoderate E	*G. lucidum*	$C_{31}H_{42}O_7$	Fruiting body (c)	13
45	Methyl ganoderate F	*G. lucidum*	$C_{33}H_{44}O_9$	Fruiting body (c)	7
46	Methyl ganoderate H	*G. lucidum*	$C_{33}H_{46}O_9$	Fruiting body (c)	13
47	Methyl ganoderate J	*G. lucidum*	$C_{31}H_{44}O_7$	Fruiting body (c)	5
48	Methyl-*O*-acetyl ganoderate C	*G. lucidum*	$C_{35}H_{48}O_{10}$	Fruiting body (c)	5
49	3β,7β-Dihydroxy-12β-acetoxy-11,15,23-trioxo-5α-lanosta-8-en-26-oicacid methyl ester	*G. lucidum*	$C_{33}H_{48}O_9$	Fruiting body (c)	5
50	Ethyl ganoderate J	*G. lucidum*	$C_{32}H_{46}O_7$	Fruiting body (c)	5
51	Ethyl 3-*O*-acetyl ganoderate B	*G. lucidum*	$C_{34}H_{50}O_8$	Fruiting body (c)	5
52	Butyl ganoderate A	*G. lucidum*	$C_{34}H_{52}O_7$	Fruiting body (c)	5
53	Butyl ganoderate B	*G. lucidum*	$C_{34}H_{52}O_7$	Fruiting body (c)	5
54	Butyl ganoderate H	*G. lucidum*	$C_{36}H_{52}O_9$	Fruiting body (c)	5
55	20-hydroxylganoderic acid G	*G. lucidum*	$C_{30}H_{44}O_9$	Fruiting body (c)	17
56	3β,7β-dihydroxy-11,12,15,23-tetraoxo-lanost-8-en-26-oic acid	*G. mastoporum*	$C_{30}H_{42}O_8$	Fruiting body (w)	7
57	3β,15α-dihydroxy-7,11,23-trioxo-5α-lanosta-8,16-dien-26-oic acid	*G. mastoporum*	$C_{30}H_{44}O_7$	Fruiting body (c)	18
58	7α,15α-dihydroxy-3,11,23-trioxo-5α-lanosta-8-en-26-oic acid	*G. mastoporum*	$C_{30}H_{44}O_7$	Fruiting body (w)	7
59	Compounds B_8	*G. lucidum*	$C_{31}H_{46}O_7$	Fruiting body (c)	7
60	Compounds B_9	*G. lucidum*	$C_{31}H_{48}O_7$	Fruiting body (c)	7
61	Deacetyl ganoderic acid F	*G. lucidum*	$C_{30}H_{40}O_8$	Fruiting body (c)	7, 12
62	Ganoderenic acid AP	*G. australe*	$C_{30}H_{42}O_9$	Fruiting body (w)	19
63	Ganoderenses D	*G. hainanense*	$C_{31}H_{44}O_8$	Fruiting body (w)	20
64	Ganoderic acid B_9	*G. lucidum*	$C_{30}H_{46}O_7$	Fruiting body (c)	8
65	Ganoderic acid C	*G. lucidum*	$C_{30}H_{46}O_7$	Fruiting body (c)	10
66	Ganoderic acid D	*G. lucidum*	$C_{30}H_{42}O_7$	Fruiting body (c)	6
67	Ganoderic acid D_2	*G. sessile*	$C_{30}H_{42}O_8$	Fruiting body (c)	7
68	Ganoderic acid XL_2	*G. theaecolum*	$C_{30}H_{46}O_7$	Fruiting body (w)	7
69	Methyl ganoderate C_2	*G. theaecolum*	$C_{31}H_{48}O_7$	Fruiting body (w)	7
70	Methyl ganoderate G	*G. lucidum*	$C_{31}H_{46}O_8$	Fruiting body (c)	7
71	Methyl ganoderate I	*G. lucidum*	$C_{31}H_{46}O_7$	Fruiting body (c)	7
72	Methyl ganoderate K	*G. lucidum*	$C_{33}H_{48}O_9$	Fruiting body (c)	13
73	Methyl ganoderate L	*G. lucidum*	$C_{30}H_{46}O_7$	Fruiting body (c)	7
74	Methyl ganoderate M	*G. lucidum*	$C_{31}H_{44}O_8$	Fruiting body (c)	13
75	Methyl ganoderic acid J	*G. lucidum*	$C_{31}H_{44}O_7$	Fruiting body (c)	7
76	Methyl ganolucidate A	*G. lucidum*	$C_{31}H_{46}O_6$	Fruiting body (c)	7
77	Methyl ganolucidate B	*G. lucidum*	$C_{31}H_{48}O_6$	Fruiting body (c)	7
78	11α-hydroxy-3,7-dioxo-5α-lanosta-8,24(E)-dien-26-oic acid	*G. lucidum*	$C_{30}H_{44}O_5$	Fruiting body (c)	7

Table S1 The main chemical components of *Ganoderma*

NO	Compounds	Species	Chemical formula	Parts	Reference
79	Ganoderic acid U	*G. lucidum*	$C_{30}H_{48}O_4$	Fruiting body (c)	7
80	Ganoderic acid V	*G. lucidum*	$C_{32}H_{48}O_6$	Fruiting body (c)	7
81	Ganoderic acid W	*G. lucidum*	$C_{34}H_{52}O_7$	Fruiting body (c)	7
82	Ganoderic acid Z (Ganoderic acid zeta)	*G. lucidum*	$C_{30}H_{42}O_7$	Fruiting body (c)	7
83	Ganoderic acid GS-1(7-hydroxy-3,11,15-trioxo-lanosta-8,24(E) -dien-26-oic acid)	*G. sessile*	$C_{30}H_{42}O_6$	Fruiting body (w)	21
84	Ganoderic acid GS-2(7β,15α-dihydroxy-3,11-dioxo-lanosta-8, 24(E) -dien-26-oic acid)	*G. sessile*	$C_{30}H_{44}O_6$	Fruiting body (w)	21
85	Ganoderic acid Ma	*G. lucidum*	$C_{34}H_{52}O_7$	Fruiting body (c)	7
86	Ganoderic acid Mc	*G. lucidum*	$C_{36}H_{54}O_9$	Fruiting body (c)	7
87	Ganoderic acid Md	*G. lucidum*	$C_{35}H_{54}O_7$	Fruiting body (c)	7
88	Ganoderic acid Mg	*G. lucidum*	$C_{35}H_{54}O_8$	Fruiting body (c)	7
89	Ganoderic acid Mh	*G. lucidum*	$C_{34}H_{52}O_8$	Fruiting body (c)	7
90	Ganoderic acid Mi	*G. lucidum*	$C_{33}H_{52}O_6$	Fruiting body (c)	7
91	Ganoderic acid Mj	*G. lucidum*	$C_{33}H_{52}O_6$	Fruiting body (c)	7
92	Ganoderic acid Mk	*G. lucidum*	$C_{34}H_{50}O_7$	Fruiting body (c)	7
93	7-*O*-Methyl ganoderic acid O	*G. lucidum*	$C_{37}H_{56}O_9$	Fruiting body (c)	5
94	7-*O*-Ethyl ganoderic acid O	*G. lucidum*	$C_{38}H_{58}O_9$	Fruiting body (c)	5
95	7-oxo-ganoderic acid Z_2	*G. theaecolum*	$C_{30}H_{44}O_5$	Fruiting body (w)	7
96	7-oxo-ganoderic acid Z_3	*G. lucidum*	$C_{30}H_{46}O_5$	Fruiting body (c)	8
97	Ganorbiformin B	*G. orbiforme*	$C_{34}H_{50}O_7$	Fruiting body (w)	22
98	Ganorbiformin C	*G. orbiforme*	$C_{30}H_{48}O_6$	Fruiting body (w)	22
99	Ganorbiformin D	*G. orbiforme*	$C_{34}H_{50}O_8$	Fruiting body (w)	22
100	Ganorbiformin E	*G. orbiforme*	$C_{32}H_{48}O_6$	Fruiting body (w)	22
101	Ganorbiformin F	*G. orbiforme*	$C_{33}H_{50}O_6$	Fruiting body (w)	22
102	3α,22β-Diacetoxy-7α-hydroxyl-5α-lanost-8,24E-dien-26-oic acid	*G. lucidum*	$C_{34}H_{52}O_7$	Fruiting body (c)	5
103	3β,15α-Diacetoxy lanosta-8,24-dien-26-oic acid	*G. lucidum*	$C_{34}H_{52}O_6$	Fruiting body (c)	5
104	Ganoderic acid Mb	*G. lucidum*	$C_{36}H_{54}O_9$	Fruiting body (c)	7
105	(5α,24E)-3β-acetoxyllanosta-7,9(11),24-triene-26-ol	*G. luteomarginatum*	$C_{32}H_{50}O_3$	Fruiting body (c)	23
106	(5α,24E)-15α-hydroxylanosta-7,9(11),24-trien-3-oxo-26-al	*G. luteomarginatum*	$C_{30}H_{44}O_3$	Fruiting body (c)	23
107	Ganoderic acid P	*G. lucidum*	$C_{34}H_{50}O_7$	Fruiting body (c)	7
108	Ganoderic acid Q	*G. lucidum*	$C_{34}H_{50}O_7$	Fruiting body (c)	5
109	Ganoderic acid R	*G. lucidum*	$C_{34}H_{50}O_6$	Fruiting body (c)	7
110	Ganoderic acid S	*G. lucidum*	$C_{30}H_{44}O_3$	Fruiting body/Mycelium (c)	12
111	Ganoderic acid T	*G. lucidum*	$C_{36}H_{52}O_8$	Fruiting body/Mycelium (c)	7
112	Ganoderic acid X	*G. lucidum*	$C_{32}H_{48}O_5$	Fruiting body (c)	7, 10
113	Ganoderic acid Y	*G. daiqingshanense, G. theaecolum, G. lucidum*	$C_{30}H_{46}O_3$	Fruiting body (w)	24
114	Ganoderic acid Me	*G. lucidum*	$C_{34}H_{50}O_6$	Fruiting body (c)	7
115	Ganoderic acid Mf	*G. lucidum*	$C_{32}H_{48}O_5$	Fruiting body (c)	7
116	Ganoderic acid TR_1	*G. lucidum*	$C_{30}H_{44}O_4$	Fruiting body (c)	5
117	15-Hydroxy ganoderic acid S	*G. lucidum*	$C_{30}H_{44}O_4$	Fruiting body (c)	5
118	Ganodermic acid S	*G. lucidum*	$C_{34}H_{50}O_6$	Fruiting body (c)	5

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NO	Compounds	Species	Chemical formula	Parts	Reference
119	Ganodermic acid Ja	*G. lucidum*	$C_{30}H_{46}O_4$	Fruiting body (c)	5
120	Ganodermic acid Jb	*G. lucidum*	$C_{30}H_{46}O_4$	Fruiting body (c)	5
121	Ganodermic acid P_2	*G. lucidum*	$C_{34}H_{50}O_7$	Fruiting body (c)	5
122	Ganodermic acid T–N	*G. lucidum*	$C_{32}H_{48}O_5$	Fruiting body (c)	5
123	Ganodermic acid T–O	*G. lucidum*	$C_{32}H_{48}O_5$	Fruiting body (c)	5
124	Ganodermic acid T–Q	*G. lucidum*	$C_{32}H_{46}O_5$	Fruiting body (c)	5
125	Ganorbiformin G	*G. orbiforme*	$C_{32}H_{46}O_5$	Fruiting body (w)	22
126	Lanosta-7,9(11),24-trien-3α-acetoxy-15α,22β-dihydroxy-26-oic acid	*G. lucidum*	$C_{32}H_{48}O_6$	Fruiting body (c)	7
127	Lanosta-7,9(11),24-trien-3β,15α,22β-triacetoxy-26-oic acid	*G. lucidum*	$C_{36}H_{52}O_8$	Fruiting body (c)	5
128	3α,15α,22α-trihydroxylanosta-7,9(11),24-trien-26-oic acid	*G. lucidum*	$C_{30}H_{46}O_5$	Fruiting body (c)	7
129	3β,15α,22β-Trihydroxylanosta-7,9(11),24-trien-26-oic acid	*G. lucidum*	$C_{30}H_{46}O_5$	Fruiting body (c)	5
130	3α,15α-Diacetoxy-22α-hydroxylanosta-7,9(11),24-trien-26-oic acid	*G. lucidum*	$C_{34}H_{50}O_7$	Fruiting body (c)	5
131	3β,15α-diacetoxy-22α-hydroxy-lanosta-7,9(11),24-trim-26-oic acid	*G. lucidum*	$C_{34}H_{50}O_7$	Fruiting body (c)	7
132	22β-Acetoxy-3α,15α-dihydroxylanosta-7,9(11),24-trien-26-oic acid	*G. lucidum*	$C_{34}H_{50}O_7$	Fruiting body (c)	5
133	22β-acetoxy-3β,15α-dihydroxy-lanosta-7,9(11),24-trim-26-oic acid	*G. lucidum*	$C_{32}H_{48}O_6$	Fruiting body (c)	7
134	Ganoderal A	*G. lucidum*	$C_{30}H_{44}O_2$	Fruiting body (c)	7
135	Lucialdehyde A	*G. lucidum*	$C_{30}H_{46}O_2$	Fruiting body (c)	12
136	Ganoderic aldehyde TR	*G. lucidum*	$C_{30}H_{44}O_3$	Fruiting body (c)	5
137	Ganoderol A	*G. lucidum*	$C_{30}H_{46}O_2$	Fruiting body (c)	7, 10
138	Ganoderol B(Ganodermadiol)	*G. lucidum*	$C_{30}H_{48}O_2$	Fruiting body (w)	25
139	Ganodermatriol	*G. lucidum*	$C_{30}H_{48}O_3$	Fruiting body (c)	7
140	Ganodermatetraol	*G. sinense*	$C_{30}H_{48}O_4$	Fruiting body (w)	21
141	Ganoderiol B	*G. lingzhi*	$C_{30}H_{50}O_3$	Fruiting body (c)	26
142	Ganoderiol F	*G. lucidum*	$C_{30}H_{46}O_3$	Fruiting body (c)	12
143	5α-Lanosta-7,9(11),24-triene-15α-26-dihydroxy-3-one	*G. lucidum*	$C_{30}H_{46}O_3$	Fruiting body (c)	5
144	Polycarpol	*G. sinense*	$C_{30}H_{48}O_2$	Fruiting body (w)	21
145	Agnosterol (lanosta-7,9(11),24-trien-3β-ol)	*G. lucidum*	$C_{30}H_{48}O$	Fruiting body (c)	5
146	15α-acetoxy-5α-lanosta-7,9(11),24-trien-3β,26-diol	*G. atrum*	$C_{32}H_{50}O_4$	Fruiting body (c)	27
147	3β-hydroxy-15α-acetoxy-5α-lanosta-7,9(11),24-trien-26-al	*G. atrum*	$C_{32}H_{48}O_4$	Fruiting body (c)	27
148	3α,15α-diacetoxy-22α-hydroxy-lanoste-7,9(11),24-trien-26-oic acid	*G. lucidum*	$C_{34}H_{50}O_7$	Fruiting body (c)	7
149	Antiquol C	*G. lucidum*	$C_{30}H_{48}O$	Fruiting body (c)	8
150	Ganodercochlearin J	*G. cochlear*	$C_{30}H_{46}O_3$	Fruiting body (c)	28
151	Ganoderic acid Mk	*G. lucidum*	$C_{34}H_{50}O_7$	Fruiting body (c)	7
152	Ganoderic acid S_2	*G. lucidum*	$C_{32}H_{48}O_5$	Fruiting body (c)	7
153	Lucialdehydes A	*G. lucidum*	$C_{30}H_{46}O_2$	Fruiting body (c)	7, 15
154	Lucidenic acid A (lucidenate A)	*G. lucidum*	$C_{27}H_{38}O_6$	Fruiting body (c)	7
155	Lucidenic acid B	*G. lucidum*	$C_{27}H_{38}O_7$	Fruiting body (c)	7
156	Lucidenic acid C	*G. sessile,* *G. lucidum*	$C_{27}H_{40}O_7$	Fruiting body (c)	7
157	Lucidenic acid D_1	*G. lucidum*	$C_{27}H_{34}O_7$	Fruiting body (c)	5
158	Lucidenic acid D_2	*G. lucidum*	$C_{29}H_{38}O_8$	Fruiting body (c)	5
159	Lucidenic acid E_1	*G. lucidum*	$C_{27}H_{38}O_7$	Fruiting body (c)	5

Table S1 The main chemical components of *Ganoderma*

NO	Compounds	Species	Chemical formula	Parts	Reference
160	Lucidenic acid E_2	*G. lucidum*	$C_{29}H_{40}O_8$	Fruiting body (c)	5
161	Lucidenic acid F	*G. lucidum*	$C_{27}H_{36}O_6$	Fruiting body (c)	5
162	Lucidenic acid N	*G. lucidum*	$C_{27}H_{40}O_6$	Fruiting body (c)	29
163	Lucidenic acid P	*G. lucidum*	$C_{29}H_{42}O_8$	Fruiting body (c)	7
164	20-Hydroxy lucidenic acid A	*G. lucidum*	$C_{27}H_{38}O_7$	Fruiting body (c)	5
165	20-Hydroxy lucidenic acid D_2	*G. lucidum*	$C_{29}H_{38}O_9$	Fruiting body (c)	5
166	20-Hydroxy lucidenic acid E_2	*G. lucidum*	$C_{29}H_{40}O_9$	Fruiting body (c)	5
167	20-Hydroxy lucidenic acid F	*G. lucidum*	$C_{27}H_{36}O_7$	Fruiting body (c)	5
168	20-Hydroxy lucidenic acid N	*G. lucidum*	$C_{27}H_{40}O_7$	Fruiting body (c)	5
169	20-Hydroxy lucidenic acid P	*G. lucidum*	$C_{29}H_{42}O_9$	Fruiting body (c)	5
170	3β-Hydroxy-4,4,14-trimethyl-7,11,15-trioxochol-8-en-24-oic acid	*G. lucidum*	$C_{27}H_{38}O_6$	Fruiting body (c)	5
171	Methyl lucidenate A	*G. tsugae*	$C_{28}H_{40}O_6$	Fruiting body (c)	30
172	Methyl lucidenate C	*G. sessile*	$C_{28}H_{42}O_7$	Fruiting body (c)	7
173	Methyl lucidenate F	*G. lucidum*	$C_{28}H_{38}O_6$	Fruiting body (c)	29
174	Methyl lucidenate N	*G. lucidum*	$C_{28}H_{42}O_6$	Fruiting body (c)	5
175	Methyl lucidenate P	*G. lucidum*	$C_{30}H_{44}O_8$	Fruiting body (c)	7
176	Methyl lucidenate Q	*G. lucidum*	$C_{28}H_{42}O_6$	Fruiting body (c)	5
177	Methyl lucidenate D_2	*G. lucidum*	$C_{30}H_{40}O_8$	Fruiting body (c)	17
178	Ethyl lucidenate A	*G. lucidum*	$C_{29}H_{42}O_6$	Fruiting body (c)	5
179	Butyl lucidenate A	*G. lucidum*	$C_{31}H_{46}O_6$	Fruiting body (c)	5
180	Butyl lucidenate N	*G. lucidum*	$C_{31}H_{48}O_6$	Fruiting body (c)	31
181	T-Butyl lucidenate B	*G. lucidum*	$C_{31}H_{46}O_7$	Fruiting body (c)	5
182	Butyl lucidenate P	*G. lucidum*	$C_{33}H_{50}O_8$	Fruiting body (c)	7, 32
183	Butyl lucidenate Q	*G. lucidum*	$C_{31}H_{48}O_6$	Fruiting body (c)	7, 32
184	Butyl lucidenate D_2	*G. lucidum*	$C_{33}H_{46}O_8$	Fruiting body (c)	7, 32
185	Butyl lucidenate E_2	*G. lucidum*	$C_{33}H_{48}O_8$	Fruiting body (c)	7, 32
186	20-hydroxylucidenic acid A	*G. sinense*	$C_{27}H_{38}O_7$	Fruiting body (w)	21
187	20-hydroxylucideric acid D_2	*G. lucidum*	$C_{29}H_{38}O_9$	Fruiting body (c)	7
188	20-hydroxylucideric acid E_2	*G. lucidum*	$C_{29}H_{40}O_9$	Fruiting body (c)	7
189	20-hydroxylucideric acid F	*G. lucidum*	$C_{27}H_{36}O_7$	Fruiting body (c)	7
190	20-hydroxylucideric acid N	*G. lucidum*	$C_{27}H_{40}O_6$	Fruiting body (c)	7
191	20-hydroxylucideric acid P	*G. lucidum*	$C_{29}H_{42}O_9$	Fruiting body (c)	7
192	7β,15α-dihydroxy-4,4,14-trimethyl-3,11-dioxochol-8-en-24-oic acid	*G. mastoporum*	$C_{27}H_{40}O_6$	Fruiting body (w)	7
193	Lucidenic acid D	*G. lucidum*	$C_{29}H_{38}O_8$	Fruiting body (c)	7
194	Lucidenic acid E	*G. lucidum*	$C_{29}H_{40}O_8$	Fruiting body (c)	7, 10
195	Lucidenic acid LM_1	*G. sessile*	$C_{27}H_{40}O_6$	Fruiting body (c)	7
196	Methyl lucidenate E_2	*G. lucidum*	$C_{30}H_{42}O_8$	Fruiting body (c)	13
197	Methyl lucidenate K	*G. lucidum*	$C_{28}H_{38}O_7$	Fruiting body (c)	13, 33
198	Methyl lucidenate L	*G. lucidum*	$C_{28}H_{40}O_7$	Fruiting body (c)	13, 33
199	Methyl lucidenate M	*G. lucidum*	$C_{28}H_{44}O_6$	Fruiting body (c)	13, 33
200	(17S,23S,25R)-17,23-epoxy-3β,15α-dihydroxy-7,11-dioxo-5α- lanosta-8-en-26,23-olide	*G. resinaceum*	$C_{30}H_{41}O_7$	Fruiting body (c)	18
201	Lucidone A	*G. theaecolum*	$C_{24}H_{34}O_5$	Fruiting body (c)	5

Table S1 The main chemical components of *Ganoderma*

NO	Compounds	Species	Chemical formula	Parts	Reference
202	Lucidone B	*G. theaecolum*	$C_{24}H_{32}O_5$	Fruiting body (c)	5
203	Lucidone C	*G. theaecolum*	$C_{24}H_{36}O_5$	Fruiting body (c)	5
204	Lucidone D	*G. lucidum*	$C_{24}H_{32}O_5$	Fruiting body (c)	5
205	Lucidone E	*G. lucidum*	$C_{24}H_{34}O_5$	Fruiting body (c)	5
206	Lucidone F	*G. theaecolum*	$C_{24}H_{34}O_5$	Fruiting body (c)	5, 7
207	Lucidone G	*G. lucidum*	$C_{24}H_{34}O_4$	Fruiting body (c)	5
208	Lucidone H	*G. lucidum*	$C_{24}H_{30}O_5$	Fruiting body (c)	5
209	Ganosporelactone A	*G. lucidum*	$C_{30}H_{40}O_7$	Fruiting body (c)	7
210	Ganosporelactone B	*G. lucidum*	$C_{30}H_{42}O_7$	Fruiting body (c)	7
211	Lucidenic lactone	*G. lucidum*	$C_{27}H_{40}O_7$	Fruiting body (c)	5
212	Lucidenolactone	*G. lucidum*	$C_{27}H_{36}O_6$	Fruiting body (c)	5
213	Ganolactone B	*G. lucidum*	$C_{27}H_{38}O_6$	Fruiting body (c)	5
214	7-Hydroxy-3,11,15-trioxo-lanosta-8-en-24→20s lactone	*G. lucidum*	$C_{27}H_{36}O_6$	Fruiting body (c)	34
215	Ganolactone	*G. lucidum*	$C_{27}H_{36}O_6$	Fruiting body (c)	7
216	Ganoderic acid AP_2	*G. lucidum*	$C_{34}H_{50}O_8$	Fruiting body (c)	5
217	Ganoderic acid LM_2	*G. sessile*	$C_{30}H_{42}O_7$	Fruiting body (c)	7
218	Ganoderic acid γ	*G. lucidum*	$C_{30}H_{44}O_7$	Spores (c)	35
219	Ganoderic acid δ	*G. lucidum*	$C_{30}H_{44}O_7$	Spores (c)	35
220	Ganoderic acid ε	*G. sessile*	$C_{30}H_{44}O_7$	Spores (c)	35
221	Ganoderic acid ξ	*G. theaecolum*	$C_{30}H_{42}O_7$	Spores (c)	35
222	Ganoderic acid η	*G. lucidum*	$C_{30}H_{44}O_7$	Spores (c)	35
223	Ganoderic acid θ	*G. lucidum*	$C_{30}H_{42}O_8$	Spores (c)	35
224	Ganolucidic acid D	*G. lucidum*	$C_{33}H_{44}O_6$	Fruiting body (c)	7
225	Ganolucidic acid E	*G. lucidum*	$C_{30}H_{44}O_5$	Fruiting body (c)	5
226	Ganolucidate F	*G. theaecolum* *G. sinense*	$C_{30}H_{46}O_6$	Fruiting body (w)	21
227	(22Z,24Z)-13-Hydroxy-3-oxo-14(13→12) abeo-lanosta-8,22,24-trien-26,23-olide	*G. lucidum*	$C_{30}H_{42}O_4$	Fruiting body (w)	36
228	(24E)-9α,11α-Epoxy-3β-hydroxylanosta-7,24-dien-26-al	*G. lucidum*	$C_{30}H_{46}O_3$	Fruiting body (w)	36
229	(24E)-Lanosta-8,24-dien-26-oic acid,3β,11-dihydroxy-7-oxo	*G. lingzhi*	$C_{30}H_{45}O_5$	Fruiting body (c)	26
230	(3β,7α)-3,7-Dihydroxylanosta-8,24-dien-11-one	*G. lucidum*	$C_{30}H_{48}O_3$	Fruiting body (w)	37
231	Ganoderic acid XL_1	*G. theaecolum*	$C_{30}H_{46}O_6$	Fruiting body (w)	7
232	Ganolucidic acid γa	*G. sinense*	$C_{30}H_{46}O_5$	Fruiting body (w)	21
233	7-Oxo-ganoderic acid Z	*G. lucidum*	$C_{30}H_{46}O_4$	Fruiting body (c)	8
234	(4E,8E)-N-D-2′-Hydroxypalmitoyl-l-O-β-D-glucopyranosyl-9-methyl-4,8-spingodienine	*G. lucidum*	$C_{41}H_{77}O_9$	Fruiting body (w)	37
235	(5α,23E)-26-Nor-lanosta-8,23-dien-3,7,25-trione	*G. luteomarginatum*	$C_{29}H_{42}O_3$	Fruiting body (c)	23
236	(5α,23E)-26-Nor-3β-hydroxylanosta-8,23-dien-7,25-dione	*G. luteomarginatum*	$C_{29}H_{44}O_3$	Fruiting body (c)	23
237	(5α,23R,24Z)-Lanosta-8,24-dien-3,7-dioxo-23,26-γ-lactone	*G. luteomarginatum*	$C_{30}H_{42}O_4$	Fruiting body (c)	23
238	(5α,24E)-3β,11α-Dihydroxylanosta-8,24-dien-7-oxo-26-al	*G. luteomarginatum*	$C_{30}H_{46}O_4$	Fruiting body (c)	23
239	(5α,24E)-3β-Acetoxyl-7β-hydroxylanosta-8,24-dien-11-oxo-26-al	*G. luteomarginatum*	$C_{32}H_{48}O_5$	Fruiting body (c)	23
240	(5α,24E)-3β-Acetoxyllanosta-8,24-dien-7-oxo-26-al	*G. luteomarginatum*	$C_{32}H_{48}O_4$	Fruiting body (c)	23
241	(5α,24E)-3β-Acetoxyl-26-hydroxylanosta-8,24-dien-7-one	*G. luteomarginatum*	$C_{32}H_{50}O_4$	Fruiting body (c)	23
242	Ganoderal B	*G. lucidum*	$C_{30}H_{46}O_3$	Fruiting body (c)	7

Table S1 The main chemical components of *Ganoderma*

NO	Compounds	Species	Chemical formula	Parts	Reference
243	Lucidal	*G. lucidum*	$C_{30}H_{46}O_3$	Fruiting body (w)	38
244	Lucialdehyde D	*G. lucidum*	$C_{30}H_{42}O_4$	Fruiting body (w)	38
245	Lucialdehyde E	*G. lucidum*	$C_{30}H_{44}O_5$	Fruiting body (w)	38
246	(5α)-24,26-Dihydroxy-25-ethoxylanosta-7,9(11)-dien-3-one	*G. luteomarginatum*	$C_{32}H_{52}O_4$	Fruiting body (c)	23
247	12β-Acetoxy-7β-hydroxy-3,11,15,23-tetraoxo-5α-lanosta-8,20-dien-26-oic acid ethyl ester	*G. lingzhi*	$C_{34}H_{46}O_9$	Fruiting body (c)	39
248	Ethyl ganoderenate D	*G. lingzhi*	$C_{32}H_{44}O_7$	Fruiting body (c)	39
249	12α-Methoxy-ganodermanondiol	*G. lucidum*	$C_{31}H_{50}O_4$	Fruiting body (w)	40
250	12β-Acetoxy-7β-hydroxy-3,11,15,23-tetraoxo-5α-lanosta-8,20-dien-26-oic acid	*G. lucidum*	$C_{32}H_{42}O_9$	Fruiting body (c)	5
251	12β-Hydroxyganoderenic F	*G. lucidum*	$C_{30}H_{38}O_8$	Fruiting body (c)	41
252	Ganoderenic acid A	*G. lucidum*	$C_{30}H_{42}O_7$	Fruiting body (c)	17
253	Ganoderenic acid B	*G. lucidum*	$C_{30}H_{42}O_7$	Fruiting body (c)	6
254	Ganoderenic acid C	*G. lucidum*	$C_{30}H_{44}O_7$	Fruiting body (c)	6
255	Ganoderenic acid D	*G. australe*	$C_{30}H_{40}O_7$	Fruiting body (w)	19
256	Ganoderenic acid E	*G. lucidum*	$C_{30}H_{40}O_8$	Fruiting body (c)	5
257	Ganoderenic acid F	*G. australe*	$C_{30}H_{38}O_7$	Fruiting body (w)	19
258	Ganoderenic acid G	*G. lucidum*	$C_{30}H_{40}O_7$	Fruiting body (c)	17
259	Ganoderenic acid H	*G. theaecolum*	$C_{30}H_{40}O_7$	Fruiting body (w)	7
260	Ganoderenic acid I	*G. lucidum*	$C_{30}H_{42}O_7$	Fruiting body (c)	5
261	Ganoderenic acid K	*G. lucidum*	$C_{32}H_{44}O_9$	Fruiting body (c)	5
262	Elfvingic acid A	*G. australe*	$C_{30}H_{40}O_8$	Fruiting body (w)	19
263	Ganoderic acid DM	*G. lucidum*	$C_{30}H_{44}O_4$	Fruiting body/Mycelium (w)	42
264	5α-Lanosta-8,24-diene-26,27-dihydroxy-3,7-dione	*G. lucidum*	$C_{30}H_{46}O_4$	Fruiting body (w)	42
265	Lucidadiol	*G. pfeifferi*	$C_{30}H_{48}O_3$	Fruiting body (w)	25
266	Ganorbiformin A	*G. orbiforme*	$C_{32}H_{48}O_8$	Fruiting body (w)	22
267	Ganoderic acid GS-3	*G. sinense*	$C_{32}H_{46}O_8$	Fruiting body (w)	21
268	Ganoderic acid V_1	*G. lucidum*	$C_{30}H_{42}O_7$	Fruiting body (c)	5
269	Ganoderic acid Jc	*G. lucidum*	$C_{30}H_{44}O_5$	Fruiting body (c)	5
270	Lanosta-7,9(11),24-trien-3α-acetoxy-15α-hydroxy-23-oxo-26-oic acid	*G. lucidum*	$C_{32}H_{46}O_6$	Fruiting body (c)	5
271	Lanosta-7,9(11),24-trien-15α-acetoxy-3α-hydroxy-23-oxo-26-oic acid	*G. lucidum*	$C_{32}H_{46}O_6$	Fruiting body (c)	5
272	Lanosta-7,9(11),24-trien-3α, l5α-diacetoxy-23-oxo-26-oic acid	*G. lucidum*	$C_{34}H_{48}O_7$	Fruiting body (c)	5
273	Ganoderic acid Sz	*G. lucidum*	$C_{30}H_{44}O_3$	Fruiting body (c)	5
274	Ganoderic acid TR	*G. sessile* *G. lucidum*	$C_{30}H_{44}O_4$	Fruiting body (c)	7
275	23-Hydroxy ganoderic acid S	*G. lucidum*	$C_{30}H_{46}O_4$	Fruiting body (c)	5
276	8β,9α-Dihydroganoderic acid C	*G. lucidum*	$C_{30}H_{42}O_7$	Fruiting body (c)	5
277	8β,9α-Dihydroganoderic acid J	*G. lucidum*	$C_{30}H_{44}O_7$	Fruiting body (c)	7
278	Ganosporeric acid A	*G. lucidum*	$C_{30}H_{38}O_8$	Fruiting body (c)	7
279	Ganolucidic acid C	*G. lucidum*	$C_{30}H_{46}O_7$	Fruiting body (c)	5
280	3β,7β,20,23ξ-Tetrahydroxy-11,15-dioxolanosta-8-en-26-oic acid	*G. applanatum*	$C_{30}H_{46}O_8$	Fruiting body (c)	5
281	7β,20,23ξ-Trihydroxy-3,11,15-trioxolanosta-8-en-26-oic acid	*G. applanatum*	$C_{30}H_{45}O_8$	Fruiting body (c)	5
282	Ganoderenic acid AM_1	*G. theaecolum*	$C_{38}H_{42}O_8$	Fruiting body (c)	7
283	7β,23α-dihydroxy-3,11,15-trioxolanosta-8,20E(22)-dien-26-oic acid	*G. australe*	$C_{30}H_{42}O_7$	Fruiting body (w)	19

Table S1 The main chemical components of *Ganoderma*

NO	Compounds	Species	Chemical formula	Parts	Reference
284	Applanoxidic acid A	*G. applanatum*, *G. annulare*	$C_{30}H_{40}O_7$	Fruiting body (c)	5
285	Applanoxidic acid B	*G. applanatum*	$C_{30}H_{40}O_7$	Fruiting body (c)	5
286	Applanoxidic acid E	*G. applanatum*	$C_{30}H_{40}O_7$	Fruiting body (c)	5
287	Applanoxidic acid F	*G. applanatum*	$C_{30}H_{38}O_7$	Fruiting body (c)	5
288	Applanoxidic acid C	*G. applanatum*, *G. annulare*, *G. pfeifferi*	$C_{30}H_{38}O_8$	Fruiting body (c)	5
289	Applanoxidic acid D	*G. applanatum*	$C_{30}H_{40}O_8$	Fruiting body (c)	5
290	Applanoxidic acid G	*G. pfeifferi*	$C_{30}H_{40}O_8$	Fruiting body (w)	25
291	Applanoxidic acid H	*G. applanatum*, *G. annulare*	$C_{30}H_{42}O_8$	Fruiting body (c)	5
292	3β,7β-dihydroxy-11,15,23-trioxo-lanost-8,16-dien-26-oic acid	*G. hainanense*	$C_{30}H_{42}O_7$	Fruiting body (w)	20
293	3β,7β,15β-Trihydroxy-11,23-dioxo-lanost-8,16-dien-26-oic acid	*G. tropicum*	$C_{30}H_{44}O_7$	Fruiting body (w)	43
294	Ganoderesin C	*G. theaecolum*	$C_{30}H_{42}O_7$	Fruiting body (w)	7
295	Ganodermacetal	*G. amboinense*	$C_{33}H_{50}O_7$	Fruiting body (c)	5
296	Ganosinensic acid B	*G. sinense*	$C_{30}H_{42}O_7$	Fruiting body (c)	44
297	Colossolactone V	*G. colossum*	$C_{35}H_{54}O_9$	Fruiting body (c)	5
298	Colossolactone VI	*G. colossum*	$C_{35}H_{52}O_9$	Fruiting body (c)	5
299	Furanoganoderic acid	*G. lucidum*	$C_{30}H_{38}O_7$	Fruiting body (c)	5
300	3α-Carboxyacetoxy-24-methyl-23-oxolanost-8-en-26-oic acid	*G. lucidum*	$C_{34}H_{52}O_7$	Fruiting body (c)	5
301	3α-Carboxyacetoxy-24-methylene-23-oxolanost-8-en-26-oic acid	*G. lucidum*	$C_{34}H_{50}O_7$	Fruiting body (c)	5
302	Carboxyacetylquercinic acid derivative 02	*G. lucidum*	$C_{34}H_{52}O_8$	Fruiting body (c)	5
303	8α,9α-Epoxy-3,7,11,15,23-pentaoxo-5α-lanosta-26-oic acid	*G. lucidum*	$C_{30}H_{40}O_8$	Fruiting body (w)	45
304	Tsugaric acid A	*G. tsugae*	$C_{32}H_{50}O_4$	Fruiting body (w)	5
305	Tsugaric acid D	*G. tsugae*	$C_{32}H_{48}O_5$	Fruiting body (w)	7
306	3β-Hydroxy-5α-lanosta-8,24-dien-21-oic acid	*G. tsugae*	$C_{30}H_{48}O_3$	Fruiting body (c)	7
307	3-Oxo-5α-lanosta-8,24-dien-21-oic acid	*G. tsugae*	$C_{30}H_{46}O_3$	Fruiting body (c)	7, 46
308	Tsugaric acid B	*G. tsugae*	$C_{33}H_{52}O_5$	Fruiting body (c)	7, 47
309	Tsugaric acid C	*G. tsugae*	$C_{32}H_{50}O_5$	Fruiting body (c)	7, 47
310	Tsugaric acid E	*G. tsugae*	$C_{31}H_{46}O_4$	Fruiting body (c)	7, 47
311	3α-Acetoxy-16α-hydroxy-24-methylene-5α-lanost-8-en-21-oic acid (3-epipachymic acid)	*G. resinaceum*	$C_{33}H_{52}O_5$	Fruiting body (c)	46
312	3α,16α-Dihydroxylanosta-7,9(11),24-trien-21-oic acid	*G. applanatum*	$C_{30}H_{46}O_4$	Fruiting body (w)	48
313	3α,16α,26-Trihydroxylanosta-7,9(11),24-trien-21-oic acid	*G. applanatum*	$C_{30}H_{46}O_5$	Fruiting body (w)	48
314	16α-Hydroxy-3-oxolanosta-7,9(11),24-trien-21-oic acid	*G. applanatum*	$C_{30}H_{44}O_4$	Fruiting body (w)	48
315	Ganoderic aldehyde A	*G. lucidum*	$C_{30}H_{46}O_3$	Fruiting body (c)	5
316	Ganoderone A	*G. lingzhi*	$C_{30}H_{46}O_3$	Fruiting body (c)	26
317	16α,26-Dihydroxy lanosta-8,24-dien-3-one	*G. hainanense*	$C_{30}H_{48}O_3$	Fruiting body (w)	49
318	Ganodermanondiol	*G. lucidum*	$C_{30}H_{48}O_3$	Fruiting body (c)	12
319	Lucidumol B	*G. lingzhi*	$C_{30}H_{50}O_3$	Fruiting body (c)	26
320	Ganoderitriol m	*G. lucidum*	$C_{30}H_{50}O_4$	Fruiting body (c)	50
321	Lucidumol A	*G. lucidum*	$C_{30}H_{48}O_4$	Fruiting body (c)	51

Table S1 The main chemical components of *Ganoderma*

NO	Compounds	Species	Chemical formula	Parts	Reference
322	Ganodermanontriol	*G. lucidum*	$C_{30}H_{48}O_4$	Fruiting body/Mycelium	52
323	Ganoderiol A	*G. lucidum*	$C_{30}H_{50}O_4$	Fruiting body (c)	12
324	Ganoderiol C	*G. lucidum*	$C_{32}H_{54}O_5$	Fruiting body (c)	5
325	Ganoderiol D	*G. lucidum* *G. sinense*	$C_{30}H_{48}O_5$	Fruiting body (c)	5
326	Ganoderiol G	*G. lucidum*	$C_{31}H_{52}O_5$	Fruiting body (c)	7
327	Ganoderiol H	*G. lucidum*	$C_{30}H_{50}O_5$	Fruiting body (c)	7
328	Ganoderiol E	*G. lucidum*	$C_{30}H_{48}O_4$	Fruiting body (c)	5
329	Ganoderiol I	*G. lucidum*	$C_{31}H_{50}O_5$	Fruiting body (c)	7
330	Ganoderiol J	*G. lucidum*	$C_{30}H_{46}O_4$	Fruiting body (c)	5
331	Ganoderiol A triacetate	*G. sinense*	$C_{36}H_{56}O_7$	Fruiting body (c)	53
332	26-Nor-11,23-dioxo-5α-lanost-8-en-3β,7β,15α,25-tetrol	*G. tropicum* *G. lucidum*	$C_{29}H_{46}O_6$	Fruiting body (w)	54, 37
333	Lanosta-7,9(11),24-trien-3β,21-diol	*G. lucidum*	$C_{30}H_{48}O_2$	Fruiting body (c)	5
334	3β,22S-Dihydroxylanosta-7,9(11),24-triene	*G. lucidum*	$C_{30}H_{48}O_2$	Fruiting body (c)	5
335	26-Hydroxy-5a-lanosta-7,9(11),24-triene-3,22-dione	*G. lucidum*	$C_{29}H_{42}O_3$	Fruiting body (c)	5
336	26,27-Dihydroxy-5α-lanosta-7,9(11),24-trien-3,22-dione	*G. lucidum*	$C_{29}H_{42}O_4$	Fruiting body (c)	7
337	26,27-Dihydroxylanosta-7,9(11),24-trien-3,16-dione	*G. carnosum*	$C_{30}H_{4404}$	Fruiting body (w)	55
338	Colossolactone A	*G. colossum*	$C_{32}H_{52}O_5$	Fruiting body (c)	5
339	Fornicatin C	*G. fornicatum*	$C_{30}H_{48}O_3$	Fruiting body (c)	5
340	Epoxyganoderiol A	*G. lucidum*	$C_{30}H_{48}O_4$	Fruiting body (c)	7
341	Ganoderone C	*G. pfeifferi*	$C_{30}H_{46}O_4$	Fruiting body (c)	5
342	Epoxyganoderiol B	*G. lucidum*	$C_{30}H_{46}O_3$	Fruiting body (c)	7
343	Epoxyganoderiol C	*G. lucidum*	$C_{30}H_{48}O_3$	Fruiting body (c)	7
344	Ganodercochlearin A	*G. cochlear*	$C_{30}H_{48}O_3$	Fruiting body (c)	5
345	Ganodercochlearin B	*G. cochlear*	$C_{30}H_{48}O_3$	Fruiting body (c)	5
346	Ganodercochlearin C	*G. cochlear*	$C_{31}H_{50}O_3$	Fruiting body (c)	5
347	Ganosinensin A	*G. sinense*	$C_{51}H_{72}O_8$	Fruiting body (c)	5
348	Ganosinensin B	*G. sinense*	$C_{51}H_{72}O_8$	Fruiting body (c)	5
349	Ganosinensin C	*G. sinense*	$C_{51}H_{74}O_7$	Fruiting body (c)	5
350	Methyl 8β,9α-dihydroganoderate J	*G. lucidum*	$C_{31}H_{46}O_7$	Fruiting body (c)	5
351	Ganoderesin B	*G. lucidum*	$C_{31}H_{48}O_8$	Fruiting body (c)	5
352	Australic acid	*G. australe*	$C_{32}H_{42}O_7$	Fruiting body (w)	56
353	Methyl australate	*G. lucidum*	$C_{33}H_{44}O_7$	Fruiting body (c)	5
354	Methyl ganoderate A acetonide	*G. lucidum*	$C_{34}H_{50}O_7$	Fruiting body (c)	57
355	Ganoderesin A	*G. lucidum*	$C_{31}H_{46}O_7$	Fruiting body (c)	5
356	3β,7β,15β-trihydroxy-11,23-dioxo-lanost-8,16-dien-26-oic acid methyl ester	*G. lucidum*	$C_{31}H_{46}O_7$	Fruiting body (w)	43
357	3β,15β-dihydroxy-7,11,23-trioxo-lanost-8,16-dien-26-oic acid methyl ester	*G. tropicum*	$C_{31}H_{44}O_7$	Fruiting body (w)	43
358	3β,7β-Dihydroxy-11,15,23-trioxo-lanost-8,16-dien-26-oic acid methyl ester	*G. lucidum*	$C_{31}H_{44}O_7$	Fruiting body (c)	58
359	7β-Hydroxy-3,11,15,23-tetraoxolanosta-8,20E(22)-dien-26-oic acid methyl ester	*G. applanatum*	$C_{31}H_{42}O_7$	Fruiting body (c)	59
360	Colossolactone I	*G. colossum*	$C_{30}H_{46}O_3$	Fruiting body (w)	60
361	Colossolactone II	*G. colossum*	$C_{30}H_{46}O_4$	Fruiting body (w)	60

Table S1 The main chemical components of *Ganoderma*

NO	Compounds	Species	Chemical formula	Parts	Reference
362	Colossolactone B	*G. colossum*	$C_{32}H_{48}O_5$	Fruiting body (c)	5
363	Ganoderma lactone E	*G. colossum*	$C_{30}H_{46}O_4$	Fruiting body (c)	5
364	Colossolactone III	*G. colossum*	$C_{31}H_{46}O_4$	Fruiting body (w)	60
365	Colossolactone IV	*G. colossum*	$C_{30}H_{44}O_5$	Fruiting body (w)	60
366	Ganoderma lactone C	*G. lucidum*	$C_{30}H_{44}O_6$	Fruiting body (c)	5
367	Colossolactone VII	*G. colossum*	$C_{33}H_{50}O_7$	Fruiting body (c)	5
368	Colossolactone VIII (23-hydroxycolossolactone E)	*G. colossum*	$C_{32}H_{42}O_7$	Fruiting body (c)	5
369	Colossolactone D	*G. colossum*	$C_{30}H_{40}O_5$	Fruiting body (c)	5
370	Colossolactone E	*G. colossum*	$C_{32}H_{42}O_6$	Fruiting body (c)	5
371	Colossolactone F	*G. colossum*	$C_{32}H_{42}O_7$	Fruiting body (c)	5
372	Schisanlactone A	*G. colossum*	$C_{30}H_{40}O_4$	Fruiting body (c)	5
373	Colossolactone G	*G. colossum*	$C_{32}H_{42}O_7$	Fruiting body (c)	5
374	Colossolactone C (ganoderma lactone B)	*G. colossum*	$C_{31}H_{44}O_6$	Fruiting body (c)	5
375	Ganoderma lactone A	*Ganoderma sp.*	$C_{30}H_{40}O_3$	Fruiting body (w)	61
376	Ganoderma lactone D	*Ganoderma sp.*	$C_{34}H_{50}O_7$	Fruiting body (w)	61
377	Ganoderma lactone F	*Ganoderma sp.*	$C_{29}H_{36}O_5$	Fruiting body (w)	61
378	Ganoderma lactone G	*Ganoderma sp.*	$C_{31}H_{40}O_6$	Fruiting body (w)	61
379	Ganoboninketal A	*G. boninense*	$C_{32}H_{46}O_7$	Fruiting body (c)	62
380	Ganoboninketal B	*G. boninense*	$C_{30}H_{42}O_6$	Fruiting body (c)	62
381	Ganoboninketal C	*G. boninense*	$C_{31}H_{44}O_8$	Fruiting body (c)	62
382	Inonotsuoxide B	*G. lucidum*	$C_{30}H_{50}O_3$	Fruiting body (c)	5
383	Austrolactone	*G. australe*	$C_{30}H_{40}O_8$	Fruiting body (w)	56
384	Schisanlactone B	*G. lucidum*	$C_{30}H_{42}O_4$	Fruiting body (c)	5
385	Lucidenic acid G	*G. lucidum*	$C_{27}H_{40}O_7$	Fruiting body (c)	5
386	Lucidenic acid O	*G. lucidum*	$C_{27}H_{40}O_5$	Fruiting body (c)	5
387	20(21)-Dehydrolucidenic acid A	*G. lucidum*	$C_{27}H_{36}O_6$	Fruiting body (c)	5
388	20(21)-Dehydrolucidenic acid N	*G. lucidum*	$C_{27}H_{38}O_6$	Fruiting body (c)	5
389	Ganoderic acid Jd	*G. lucidum* *G. sinense*	$C_{27}H_{40}O_4$	Fruiting body (w)	21
390	4,4,14α-Trimethyl-5α-chol-7,9(11)-dien-3-oxo-24-oic acid	*G. lucidum*	$C_{27}H_{40}O_3$	Fruiting body (w)	63
391	4,4,14α-Trimethyl-3,7-dioxo-5α-chol-8-en-24-oic acid	*G. lucidum*	$C_{27}H_{40}O_4$	Fruiting body (c)	5
392	Fornicatin A	*G. fornicatum*	$C_{27}H_{40}O_7$	Fruiting body (c)	64
393	Fornicatin B	*G. fornicatum*	$C_{27}H_{40}O_6$	Fruiting body (c)	64
394	Fornicatin D	*G. cochlear*	$C_{28}H_{42}O_6$	Fruiting body (c)	5
395	Cochlate B	*G. lucidum*	$C_{28}H_{42}O_5$	Fruiting body (c)	5
396	Ganosinensic acid A	*G. sinense*	$C_{27}H_{38}O_6$	Fruiting body (c)	44
397	Fornicatin E	*G. cochlear*	$C_{28}H_{42}O_6$	Fruiting body (c)	5
398	Fornicatin F	*G. cochlear*	$C_{29}H_{44}O_6$	Fruiting body (c)	55
399	Cochlate A	*G. cochlear*	$C_{28}H_{42}O_5$	Fruiting body (c)	5
400	Methyl lucidenate Ha	*G. lucidum*	$C_{28}H_{42}O_7$	Fruiting body (w)	21
401	Lucidenic acid H	*G. lucidum*	$C_{27}H_{40}O_7$	Fruiting body (c)	5
402	Lucidenic acid I	*G. lucidum*	$C_{27}H_{38}O_7$	Fruiting body (c)	5

Table S1 The main chemical components of *Ganoderma*

NO	Compounds	Species	Chemical formula	Parts	Reference
403	Lucidenic acid J	*G. lucidum*	$C_{27}H_{38}O_8$	Fruiting body (c)	5
404	Lucidenic acid K	*G. lucidum*	$C_{27}H_{36}O_7$	Fruiting body (c)	5
405	Lucidenic acid L	*G. lucidum*	$C_{27}H_{38}O_7$	Fruiting body (c)	58
406	Lucidenic acid M	*G. lucidum*	$C_{27}H_{42}O_6$	Fruiting body (c)	5
407	21-Hydroxy-3,7-dioxo-8,24E-dien-5α-lanosta-26-ol	*G. hainanense*	$C_{30}H_{46}O_4$	Fruiting body (c)	65
408	Hainanaldehyde A	*G. hainanense*	$C_{30}H_{44}O_4$	Fruiting body (c)	65
409	3β,7β-dihydroxy-11-oxo-8,24E-dien-5α-lanosta-26-ol	*G. hainanense*	$C_{30}H_{48}O_4$	Fruiting body (c)	65
410	Ganoderol J	*G. lingzhi*	$C_{30}H_{47}O_4$	Fruiting body (c)	26
411	Resinacein A	*G. resinaceum*	$C_{30}H_{46}O_3$	Fruiting body (w)	66
412	Resinacein B	*G. resinaceum*	$C_{30}H_{48}O_3$	Fruiting body (w)	66
413	Resinacein C	*G. resinaceum*	$C_{30}H_{46}O_5$	Fruiting body (w)	66
414	Resinacein D	*G. resinaceum*	$C_{30}H_{46}O_5$,	Fruiting body (w)	66
415	Resinacein E	*G. resinaceum*	$C_{30}H_{44}O_7$	Fruiting body (w)	66
416	Resinacein F	*G. resinaceum*	$C_{31}H_{42}O_7$	Fruiting body (w)	66
417	Resinacein G	*G. resinaceum*	$C_{30}H_{40}O_8$	Fruiting body (w)	66
418	Resinacein H	*G. resinaceum*	$C_{30}H_{42}O_8$	Fruiting body (w)	66
419	Resinacein I	*G. resinaceum*	$C_{31}H_{46}O_7$	Fruiting body (w)	66
420	Resinacein J	*G. resinaceum*	$C_{30}H_{44}O_8$	Fruiting body (w)	66
421	Resinacein O	*G. resinaceum*	$C_{31}H_{45}O_8$	Fruiting body (w)	66
422	Resinacein P	*G. resinaceum*	$C_{31}H_{44}O_8$	Fruiting body (w)	66
423	Resinacein Q	*G. resinaceum*	$C_{31}H_{43}O_8$	Fruiting body (w)	66
424	Resinacein R	*G. resinaceum*	$C_{31}H_{48}O_8$	Fruiting body (w)	66
425	Resinacein S	*G. resinaceum*	$C_{30}H_{44}O_8$	Fruiting body (w)	66
426	Acetyl ganohainanic acid D	*G. hainanense*	$C_{32}H_{46}O_8$	Fruiting body (c)	65
427	Acetyl ganohainanic acid A	*G. hainanense*	$C_{32}H_{45}O_9$	Fruiting body (c)	65
428	Ganohainanic acid A	*G. hainanense*	$C_{30}H_{43}O_8$	Fruiting body (c)	65
429	Ganohainanic acid B	*G. hainanense*	$C_{30}H_{44}O_6$	Fruiting body (c)	65
430	Ganohainanic acid C	*G. hainanense*	$C_{30}H_{44}O_6$	Fruiting body (c)	65
431	Ganohainanic acid D	*G. hainanense*	$C_{30}H_{44}O_7$	Fruiting body (c)	65
432	Ganoderic acid beta	*G. lucidum*	$C_{30}H_{44}O_6$	Fruiting body (c)	67
433	Ganoderic acid delta	*G. lucidum*	$C_{30}H_{44}O_7$	Fruiting body (c)	67
434	Ganoderic acid gamma	*G. lucidum*	$C_{30}H_{44}O_7$	Fruiting body (c)	67
435	Methyl 20(21)-dehydrolucidenate A	*G. lucidum*	$C_{28}H_{38}O_6$	Fruiting body (c)	7
436	Methyl ganosinensate A	*G. sinense*	$C_{28}H_{40}O_6$	Fruiting body (c)	44
437	8α,9α-Epoxy-4,4,14α-trimethyl-3,7,11,15,20-pentaoxo-5α-pregnane	*G. concinna*	$C_{24}H_{30}O_6$	Fruiting body (c)	5
438	Ganosineniol A	*G. sinense*	$C_{25}H_{40}O_5$	Fruiting body (w)	21
439	Friedelin	*G. cochlear*	$C_{30}H_{50}O$	Fruiting body (c)	5
440	Alnusenone	*G. applanatum*	$C_{30}H_{48}O$	Fruiting body (c)	5
441	β-Amyrenone	*G. lucidum*	$C_{30}H_{48}O$	Fruiting body (c)	5
442	β-Amyrin acetate	*G. lucidum*	$C_{32}H_{52}O_2$	Fruiting body (c)	5
443	3β-Hydroxyganodernoid D	*G. lucidum*	$C_{30}H_{40}O_7$	Fruiting body (c)	41
444	3β -Hydroxy-12-deacetoxyganodernoid D	*G. lucidum*	$C_{30}H_{40}O_7$	Fruiting body (c)	41

Table S1 The main chemical components of *Ganoderma*

NO	Compounds	Species	Chemical formula	Parts	Reference
445	15α-Acetoxy-3α-hydroxylanosta-8,24-dien-26-oic acid	*G. capense*	$C_{32}H_{50}O_5$	Mycelium (c)	68
446	3β-Hydroxy-7,22-dioxo-5α-lanosta-8,24-dien-21-oic acid	*G. atrum*	$C_{30}H_{44}O_5$	Fruiting body (c)	27
447	16α,20-Dihydroxy-3,23-dioxo-5α-lanosta-6,8-dien-26-oic acid	*G. atrum*	$C_{30}H_{44}O_6$	Fruiting body (c)	27
448	15α-Hydroxy-ganodermanontriol	*G. lucidum*	$C_{30}H_{48}O_5$	Fruiting body (w)	40
449	15β-Hydroxy-lucidumol A	*G. lucidum*	$C_{30}H_{48}O_5$	Fruiting body (w)	40
450	3β,24S,25R, 26-tetradroxy-7α-methoxy-8-ene-lanost-ol	*G. lucidum*	$C_{31}H_{54}O_5$	Fruiting body (w)	40
451	Ganodermanontetrol	*G. lucidum*	$C_{30}H_{48}O_5$	Fruiting body (w)	40
452	24S,25R-Dihydroxy-3,7-dioxo-5a-lanost-8-en-26-ol	*G. hainanense*	$C_{30}H_{48}O_5$	Fruiting body (c)	65
453	3,7,24-Trioxo-5α-lanost-8,25-dien-26-ol	*G. hainanense*	$C_{30}H_{44}O_4$	Fruiting body (c)	65
454	3β,15α-Dihydroxy-11-oxo-5α-lanosta-8,24-dien-26-oic acid	*G. theaecolum*	$C_{30}H_{46}O_5$	Fruiting body (c)	7
455	3β,21-Dihydroxy-lanost-7,9(11),24-trien-26-oic acid	*G. theaecolum*	$C_{30}H_{48}O_2$	Fruiting body (c)	7
456	3β,24-Dihydroxy-7,11, 15,23-tetraoxo-5α-lanosta-8-en-26-oic acid methyl ester	*G. resinaceum*	$C_{31}H_{44}O_8$	Fruiting body (c)	18
457	3β,7β,15α,24-Tetrahydroxy-11,23-dioxo-lanost-8-en-26-oic acid	*G. tropicum*	$C_{30}H_{46}O_8$	Fruiting body (w)	69
458	3β,7β,15α,28-Tetrahydroxy-11,23-dioxo-lanost-8,16-dien-26-oic acid	*G. tropicum*	$C_{30}H_{44}O_8$	Fruiting body (w)	69
459	4,4,14α-Trimethyl-3-oxo-5α-pregna-7,9(11)-dien-20s-carboxylate	*G. lucidum*	$C_{26}H_{38}O_3$	Fruiting body (c)	37
460	7,15-Oxolanost-8-ene-3β, 25-diol	*G. lingzhi*	$C_{30}H_{40}O_4$	Fruiting body (c)	26
461	7-Oxolanost-8-ene-3β,15α,25-triol	*G. lingzhi*	$C_{30}H_{42}O_4$	Fruiting body (c)	26
462	7β,23ξ-Dihydroxy-3,11,15-trioxolanosta-8,20E (22)-dien-26-oic acid	*G. lucidum*	$C_{30}H_{42}O_7$	Fruiting body (c)	59
463	7β,8-epoxy-3β-hydroxy-4, 4, 14α-trimethyl-12, 15, 20-trioxo-5α-pregn-9(11)-ene	*G. resinaceum*	$C_{24}H_{32}O_5$	Fruiting body (w)	70
464	Fornicatin G	*G. cochlear*	$C_{29}H_{44}O_6$	Fruiting body (w)	71
465	Fornicatin H	*G. cochlear*	$C_{29}H_{44}O_7$	Fruiting body (w)	71
466	Ganohainanic acid E	*G. hainanense*	$C_{27}H_{38}O_6$	Fruiting body (c)	65
467	Betulinic acid	*G. lingzhi*	$C_{30}H_{46}O_3$	Fruiting body (c)	26
468	Cochlate C	*G. cochlear*	$C_{28}H_{42}O_6$	Fruiting body (c)	28
469	Cochlearic acid A	*G. cochlear*	$C_{27}H_{38}O_6$	Fruiting body (c)	28
470	Cochlearic acid B	*G. cochlear*	$C_{30}H_{46}O_3$	Fruiting body (c)	28
471	Fornicatin M	*G. cochlear*	$C_{28}H_{42}O_6$	Fruiting body (w)	72
472	Elfvingic acid B	*G. applanatum*	$C_{30}H_{40}O_8$	Fruiting body (c)	73
473	Applanoxidic acid G methyl ester	*G. applanatum*	$C_{30}H_{40}O_8$	Fruiting body (c)	73
474	Ganoapplaniates D	*G. applanatum*	$C_{30}H_{42}O_8$	Fruiting body (c)	73
475	Ganoapplaniates E	*G. applanatum*	$C_{30}H_{40}O_8$	Fruiting body (c)	73
476	Ganoapplanic acids F	*G. applanatum*	$C_{29}H_{36}O_8$	Fruiting body (c)	73
477	Ganoapplanic acids A	*G. applanatum*	$C_{30}H_{40}O_6$	Fruiting body (c)	73
478	Ganoapplanic acids B	*G. applanatum*	$C_{30}H_{40}O_6$	Fruiting body (c)	73
479	Ganoapplanic acids C	*G. applanatum*	$C_{30}H_{40}O_7$	Fruiting body (c)	73
480	Ganoapplanilactones A	*G. applanatum*	$C_{30}H_{38}O_8$	Fruiting body (c)	73
481	Ganoapplanilactones B	*G. applanatum*	$C_{30}H_{38}O_8$	Fruiting body (c)	73
482	Ganoapplanilactones C	*G. applanatum*	$C_{30}H_{38}O_7$	Fruiting body (c)	73
483	Ganocochlearic acid A	*G. cochlear*	$C_{24}H_{34}O_5$	Fruiting body (c)	28
484	Ganodercochlearin D	*G. cochlear*	$C_{30}H_{48}O_3$	Fruiting body (c)	28
485	Ganodercochlearin E	*G. cochlear*	$C_{30}H_{50}O_4$	Fruiting body (c)	28

Table S1 The main chemical components of *Ganoderma*

NO	Compounds	Species	Chemical formula	Parts	Reference
486	Ganodercochlearin F	*G. cochlear*	$C_{30}H_{48}O_3$	Fruiting body (c)	28
487	Ganodercochlearin G	*G. cochlear*	$C_{31}H_{50}O_3$	Fruiting body (c)	28
488	Ganodercochlearin H	*G. cochlear*	$C_{32}H_{50}O_4$	Fruiting body (c)	28
489	Ganodercochlearin K	*G. cochlear*	$C_{31}H_{52}O_3$	Fruiting body (c)	28
490	Ganoderense F	*G. hainanense*	$C_{25}H_{34}O_5$	Fruiting body (w)	20
491	Ganoderense G	*G. hainanense*	$C_{29}H_{44}O_6$	Fruiting body (w)	20
492	Ganoderenses A	*G. hainanense*	$C_{30}H_{40}O_7$	Fruiting body (w)	20
493	Ganoderenses B	*G. hainanense*	$C_{30}H_{42}O_7$	Fruiting body (w)	20
494	Ganoderic acid TN	*G. lucidum*	$C_{32}H_{48}O_5$	Fruiting body (c)	12
495	Ganoderic acid XL_3	*G. theaecolum*	$C_{30}H_{46}O_5$	Fruiting body (w)	7
496	ganoderic acid XL_5	*G. theaecolum*	$C_{31}H_{48}O_8$	Fruiting body (w)	7
497	ganoderic acid XL_6	*G. theaecolum*	$C_{30}H_{46}O_8$	Fruiting body (w)	7
498	Ganoderic B	*G. lucidum*	$C_{30}H_{44}O_7$	Fruiting body (c)	34
499	Ganoderiol	*G. lingzhi*	$C_{30}H_{46}O_3$	Fruiting body (c)	26
500	ganodermic acid XL_1	*G. resinaceum*	$C_{30}H_{46}O_7$	Fruiting body (w)	74
501	ganodermic acid XL_2	*G. resinaceum*	$C_{30}H_{46}O_7$	Fruiting body (w)	74
502	Ganolearic acid A	*G. cochlear*	$C_{25}H_{36}O_5$	Fruiting body (w)	72
503	Ganolucinins A	*G. lucidum*	$C_{51}H_{73}O_8$	Fruiting body (c)	10
504	Ganolucinins B	*G. lucidum*	$C_{51}H_{75}O_7$	Fruiting body (c)	10
505	Ganolucinins C	*G. lucidum*	$C_{51}H_{75}O_7$	Fruiting body (c)	10
506	Ganomycin J	*G. lucidum*	$C_{21}H_{31}O_6$	Fruiting body (c)	10
507	Hainanic acid A	*G. hainanense*	$C_{30}H_{44}O_5$	Fruiting body (c)	65
508	Hainanic acid B	*G. hainanense*	$C_{30}H_{42}O_7$	Fruiting body (c)	65
509	Leucocontextin A	*G. leucocontextum*	$C_{30}H_{42}O_8$	Fruiting body (w)	75
510	Leucocontextin B	*G. leucocontextum*	$C_{30}H_{44}O_8$	Fruiting body (w)	75
511	Leucocontextin C	*G. leucocontextum*	$C_{30}H_{44}O_8$	Fruiting body (w)	75
512	Leucocontextin D	*G. leucocontextum*	$C_{30}H_{42}O_8$	Fruiting body (w)	75
513	Leucocontextin H	*G. leucocontextum*	$C_{30}H_{44}O_7$	Fruiting body (w)	75
514	Leucocontextin F	*G. leucocontextum*	$C_{30}H_{44}O_7$	Fruiting body (w)	75
515	Leucocontextin G	*G. leucocontextum*	$C_{30}H_{40}O_7$	Fruiting body (w)	75
516	Leucocontextin I	*G. leucocontextum*	$C_{30}H_{44}O_7$	Fruiting body (w)	75
517	Leucocontextin J	*G. leucocontextum*	$C_{32}H_{44}O_9$	Fruiting body (w)	75
518	Leucocontextin K	*G. leucocontextum*	$C_{32}H_{46}O_9$	Fruiting body (w)	75
519	Leucocontextin L	*G. leucocontextum*	$C_{32}H_{44}O_9$	Fruiting body (w)	75
520	Leucocontextin M	*G. leucocontextum*	$C_{32}H_{42}O_9$	Fruiting body (w)	75
521	Leucocontextin N	*G. leucocontextum*	$C_{32}H_{46}O_8$	Fruiting body (w)	75
522	Leucocontextin O	*G. leucocontextum*	$C_{32}H_{42}O_9$	Fruiting body (w)	75
523	Leucocontextin P	*G. leucocontextum*	$C_{33}H_{46}O_9$	Fruiting body (w)	75
524	Leucocontextin E	*G. leucocontextum*	$C_{30}H_{40}O_8$	Fruiting body (w)	75
525	Leucocontextin Q	*G. leucocontextum*	$C_{32}H_{46}O_9$	Fruiting body (w)	75
526	Leucocontextin R	*G. leucocontextum*	$C_{30}H_{46}O_5$	Fruiting body (w)	75
527	Leucocontextin W	*G. leucocontextum*	$C_{30}H_{48}O_5$	Fruiting body (w)	76

Table S1 The main chemical components of *Ganoderma*

NO	Compounds	Species	Chemical formula	Parts	Reference
528	Leucocontextin S	*G. leucocontextum*	$C_{30}H_{48}O_6$	Fruiting body (w)	76
529	leucocontextin T	*G. leucocontextum*	$C_{30}H_{48}O_6$	Fruiting body (w)	76
530	Leucocontextin U	*G. leucocontextum*	$C_{30}H_{50}O_6$	Fruiting body (w)	76
531	Methyl ganoderenate A	*G. australe*	$C_{31}H_{44}O_7$	Fruiting body (w)	19
532	Methyl ganoderenate G	*G. australe*	$C_{31}H_{42}O_7$	Fruiting body (w)	19
533	Methyl ganoderenate D	*G. lucidum*	$C_{31}H_{42}O_7$	Fruiting body (c)	17
534	Leucocontextin V	*G. leucocontextum*	$C_{30}H_{44}O_6$	Fruiting body (w)	76
535	Leucocontextin X	*G. leucocontextum*	$C_{36}H_{48}O_{11}$	Fruiting body (w)	76
536	Methyl australe	*G. australe*	$C_{33}H_{44}O_8$	Fruiting body (c)	77
537	Methyl ganoderate P	*G. lucidum*	$C_{33}H_{47}O_9$	Fruiting body (w)	10
538	Petchinoid A	*G. petchii*	$C_{26}H_{36}O_6$	Fruiting body (c)	78
539	Petchinoid B	*G. petchii*	$C_{26}H_{38}O_6$	Fruiting body (c)	78
540	Petchinoid C	*G. petchii*	$C_{30}H_{46}O_5$	Fruiting body (c)	78
541	Resinacein K	*G. resinaceum*	$C_{30}H_{40}O_7$	Fruiting body (w)	66
542	Resinacein L	*G. resinaceum*	$C_{30}H_{40}O_8$	Fruiting body (w)	66
543	Resinacein M	*G. resinaceum*	$C_{30}H_{42}O_8$	Fruiting body (w)	66
544	Resinacein N	*G. resinaceum*	$C_{30}H_{44}O_8$	Fruiting body (w)	66
545	Sinensoic acid	*G. sinense*	$C_{30}H_{48}O_4$	Fruiting body (w)	21
546	Spiroganocalitone A	*G. calidophilum*	$C_{30}H_{42}O_6$	Fruiting body (w)	79
547	Spiroganocalitone B	*G. calidophilum*	$C_{30}H_{42}O_7$	Fruiting body (w)	79
548	Spiroganocalitone C	*G. calidophilum*	$C_{32}H_{44}O_7$	Fruiting body (w)	79
549	Spiroganocalitone D	*G. calidophilum*	$C_{32}H_{44}O_7$	Fruiting body (w)	79
550	Stigmasta-7,22-dien-3β,5α,6α-triol	*G. lucidum*	$C_{28}H_{46}O_3$	Fruiting body (c)	37
551	Ganosinensic acid C	*G. sinense*	$C_{30}H_{40}O_7$	Fruiting body (c)	80
552	3β,7β,15α-trihydroxy-11,23-dioxolanost-8,16-dien-26-oic acid	*G. hainanense*	$C_{30}H_{46}O_8$	Fruiting body (w)	20
553	3β-Hydroxy-7,11,15,23-tetraoxo-5α-lanosta-8,16-dien-26-oic acid	*G. resinaceum*	$C_{30}H_{40}O_8$	Fruiting body (c)	18
554	Ganoderenses E	*G. hainanense*	$C_{31}H_{44}O_8$	Fruiting body (w)	20
555	11β-Hydroxy-3,7-dioxo-5α-lanosta-8,24(E)-dien-26-oic acid	*G. lucidum*	$C_{30}H_{44}O_5$	Fruiting body (c)	7
556	23S-Hydroxy-3,7,11,15-tetraoxo-lanost-8,24E-diene-26-oic acid	*G. lucidum*	$C_{32}H_{42}O_9$	Fruiting body (c)	7
557	Lucialdehydes B	*G. lucidum*	$C_{33}H_{44}O_8$	Fruiting body (c)	7
558	Lucialdehydes C	*G. lucidum* *G. resinaceum*	$C_{31}H_{46}O_5$	Fruiting body (w)	66, 15
559	3α,12β,15α-Triacetoxy-5α-lanosta-7,9(11),24-trien-26-oic acid	*G. lucidum*	$C_{36}H_{52}O_8$	Fruiting body (w)	42
560	Ganodercochlearin I	*G. cochlear*	$C_{30}H_{46}O_3$	Fruiting body (c)	28
561	12-Epi-ganoderlactone D	*G. lucidum*	$C_{27}H_{38}O_7$	Fruiting body (c)	41
Meroterpenoids					
562	Cochlearoid A	*G. cochlear*	$C_{40}H_{48}O_8$	Fruiting body (c)	81
563	Cochlearoid B	*G. cochlear*	$C_{38}H_{46}O_6$	Fruiting body (c)	81
564	Cochlearoid C	*G. cochlear*	$C_{43}H_{54}O_7$	Fruiting body (c)	81
565	Cochlearoid D	*G. cochlear*	$C_{43}H_{54}O_7$	Fruiting body (c)	81
566	Cochlearoid E	*G. cochlear*	$C_{40}H_{48}O_8$	Fruiting body (c)	81
567	Cochlearol A	*G. cochlear*	$C_{15}H_{14}O_7$	Fruiting body (c)	82

Table S1 The main chemical components of *Ganoderma*

NO	Compounds	Species	Chemical formula	Parts	Reference
568	Cochlearol B	*G. cochlear*	$C_{21}H_{24}O_3$	Fruiting body (c)	82
569	(−)-Ganotheaecoloid A	*G.theaecolum*	$C_{20}H_{26}O_5$	Fruiting body (c)	83
570	(−)-Ganotheaecoloid B	*G.theaecolum*	$C_{20}H_{26}O_5$	Fruiting body (c)	83
571	(−)-Ganotheaecoloid F	*G.theaecolum*	$C_{21}H_{26}O_6$	Fruiting body (c)	81
572	(−)-Ganotheaecoloid N	*G.theaecolum*	$C_{17}H_{20}O_6$	Fruiting body (c)	83
573	Patchiene A	*G. capense* *G. theaecolum*	$C_{16}H_{18}O_6$	Fruiting body (c)	84
574	Ganotheaecolumol A	*G. theaecolum*	$C_{21}H_{26}O_6$	Fruiting body (c)	85
575	Ganotheaecolumol B	*G. theaecolum*	$C_{21}H_{26}O_6$	Fruiting body (c)	85
576	Isoganotheaecolumol I	*G. theaecolum*	$C_{21}H_{26}O_6$	Fruiting body (c)	85
577	Ganotheaecolumol I	*G. theaecolum*	$C_{21}H_{26}O_6$	Fruiting body (c)	85
578	ganotheaecolumol J	*G. theaecolum*	$C_{21}H_{24}O_6$	Fruiting body (c)	85
579	Ganomycin C	*G. capense*	$C_{21}H_{26}O_5$	Fruiting body (c)	86
580	Ganocalidin D	*G. theaecolum*	$C_{21}H_{24}O_7$	Fruiting body (c)	85
581	(-)-Ganotheaecolumols F	*G. theaecolum*	$C_{21}H_{26}O_5$	Fruiting body (c)	85
582	Sinensilactam A	*G. sinense*	$C_{20}H_{21}NO_8$	Fruiting body (c)	81
583	(+)-Applanatumol Q	*G. applanatum*	$C_{17}H_{22}O_7$	Fruiting body (c)	81
584	(+)-Applanatumol R	*G. applanatum*	$C_{16}H_{20}O_7$	Fruiting body (c)	81
585	(+)-Applanatumol P	*G. applanatum*	$C_{17}H_{20}O_7$	Fruiting body (c)	81
586	(+)-Applanatumol U	*G. applanatum*	$C_{16}H_{18}O_5$	Fruiting body (c)	81
587	(+)-Chizhine E	*G. lucidum*	$C_{16}H_{16}O_5$	Fruiting body (c)	81
588	(+)-Chizhine F	*G. lucidum*	$C_{21}H_{24}O_5$	Fruiting body (c)	81
589	(+)-Cochlearin A	*G. cochlear*	$C_{21}H_{26}O_3$	Fruiting body (c)	81
590	(+)-Fornicin E	*G. cochlear*	$C_{22}H_{30}O_6$	Fruiting body (c)	81
591	(+)-Ganodilactone	*G. leucocontextum*	$C_{42}H_{50}O_7$	Fruiting body (c)	81
592	(+)-Ganoleucin C	*G. leucocontextum*	$C_{21}H_{24}O_5$	Fruiting body (c)	81
593	(+)-Ganotheaecoloid J	*G. theaecolum*	$C_{22}H_{28}O_6$	Fruiting body (c)	81
594	(+)-Ganotheaecoloid M	*G. theaecolum*	$C_{17}H_{20}O_6$	Fruiting body (c)	83
595	(+)-Lingzhine E	*G. lucidum*	$C_{17}H_{20}O_6$	Fruiting body (c)	83
596	(+)Lingzhiol	*G. sinensis*	$C_{15}H_{14}O_6$	Fruiting body (c)	5
597	Spirolingzhine B	*G. lucidum*	$C_{16}H_{18}O_6$	Fruiting body (c)	81
598	Spirolingzhine C	*G. lucidum*	$C_{15}H_{14}O_6$	Fruiting body (c)	81
599	Zizhine B	*G. sinensis*	$C_{23}H_{28}O_7$	Fruiting body (c)	87
600	Zizhine C	*G. sinensis*	$C_{23}H_{30}O_7$	Fruiting body (c)	87
601	Zizhine D	*G. sinensis*	$C_{23}H_{28}O_7$	Fruiting body (c)	87
602	Zizhine E	*G. sinensis*	$C_{23}H_{30}O_7$	Fruiting body (c)	87
603	Zizhine F	*G. sinensis*	$C_{24}H_{30}O_8$	Fruiting body (c)	87
604	Applanatumol B	*G. applanatum*	$C_{16}H_{18}O_6$	Fruiting body (c)	88
605	Applanatumol J	*G. applanatum*	$C_{15}H_{15}ClO_6$	Fruiting body (w)	89
606	Applanatumol K	*G. applanatum*	$C_{16}H_{18}O_7$	Fruiting body (w)	89
607	Applanatumol L	*G. applanatum*	$C_{17}H_{20}O_7$	Fruiting body (w)	89
608	Applanatumol M	*G. applanatum*	$C_{16}H_{16}O_6$	Fruiting body (w)	89

Table S1 The main chemical components of *Ganoderma*

NO	Compounds	Species	Chemical formula	Parts	Reference
609	Applanatumol N	*G. applanatum*	$C_{16}H_{18}O_7$	Fruiting body (w)	89
610	Applanatumol O	*G. applanatum*	$C_{16}H_{16}O_6$	Fruiting body (w)	89
611	Applanatumol P	*G. applanatum*	$C_{17}H_{20}O_7$	Fruiting body (w)	89
612	Applanatumol Q	*G. applanatum*	$C_{17}H_{22}O_7$	Fruiting body (w)	89
613	Applanatumol R	*G. applanatum*	$C_{16}H_{20}O_7$	Fruiting body (w)	89
614	Applanatumol S	*G. applanatum*	$C_{16}H_2OO_6$	Fruiting body (w)	89
615	Applanatumol T	*G. applanatum*	$C_{16}H_{18}O_7$	Fruiting body (w)	89
616	Applanatumol U	*G. applanatum*	$C_{16}H_{18}O_5$	Fruiting body (w)	89
617	Applanatumol V	*G. applanatum*	$C_{16}H_{16}O_6$	Fruiting body (w)	89
618	Applanatumol W	*G. applanatum*	$C_{16}H_{18}O_6$	Fruiting body (w)	89
619	Applanatumol X	*G. applanatum*	$C_{13}H_{12}O_5$	Fruiting body (w)	89
620	Applanatumol Y	*G. applanatum*	$C_{13}H_{14}O_5$	Fruiting body (w)	89
621	Applanatumol Z	*G. applanatum*	$C_{14}H_{16}O_6$	Fruiting body (w)	89
622	Applanatumol Z1	*G. applanatum*	$C_{13}H_{12}O_5$	Fruiting body (w)	89
623	Applanatumol Z2	*G. applanatum*	$C_{14}H_{12}O_5$	Fruiting body (w)	89
624	Cochlearin D	*G. cochlear*	$C_{21}H_{28}O_3$	Fruiting body (c)	81
625	Cochlearin E	*G. cochlear*	$C_{21}H_{28}O_3$	Fruiting body (c)	81
626	Ganoapplanin	*G. applanatum*	$C_{24}H_{20}O_{10}$	Fruiting body (w)	90
627	Ganocochlearin A	*G. cochlear*	$C_{20}H_{24}O_3$	Fruiting body (c)	91
628	Ganocochlearin B	*G. cochlear*	$C_{15}H_{16}O_3$	Fruiting body (c)	91
629	Ganocochlearin C	*G. cochlear*	$C_{21}H_{22}O_3$	Fruiting body (c)	92
630	Ganocochlearin D	*G. cochlear*	$C_{21}H_{22}O_4$	Fruiting body (c)	81
631	Ganoderin A	*G. cochlear*	$C_{17}H_{20}O_7$	Fruiting body (c)	81
632	Ganodilactone	*G. leucocontextum*	$C_{42}H_{50}O_8$	Fruiting body (w)	93
633	Ganomycin E	*G. capense*	$C_{21}H_{26}O_6$	Fruiting body (c)	86
634	Ganotheaecolumol C	G. theaecolum	$C_{20}H_{26}O_5$	Fruiting body (c)	85
635	Ganotheaecolumol D	G. theaecolum	$C_{20}H_{26}O_5$	Fruiting body (c)	85
636	Ganotheaecolumol E	G. theaecolum	$C_{21}H_{24}O_6$	Fruiting body (c)	85
637	Ganotheaecolumol G	G. theaecolum	$C_{21}H_{26}O_5$	Fruiting body (c)	85
638	Lingzhine B	*G. lucidum*	$C_{15}H_{14}O_4$	Fruiting body (c)	81
639	Lingzhiol	*G. lucidum*	$C_{15}H_{14}O_6$	Fruiting body (c)	81
640	Amaurosubresin	*G. capense*	$C_{22}H_{28}O_7$	Fruiting body (c)	84
641	cochlearin I	*G. capense*	$C_{22}H_{28}O_5$	Fruiting body (c)	84
642	Applanatumin A	*G. applanatum*	$C_{32}H_{30}O_{12}$	Fruiting body (c)	94
643	Applanatumin B	*G. applanatum*	$C_{32}H_{30}O_{13}$	Fruiting body (c)	95
644	Applanatumol C	*G. applanatum*	$C_{15}H_{14}O_6$	Fruiting body (w)	89
645	Applanatumol D	*G. applanatum*	$C_{17}H_{16}O_8$	Fruiting body (w)	89
646	Applanatumol E	*G. applanatum*	$C_{18}H_{22}O_8$	Fruiting body (w)	89
647	Applanatumol G	*G. applanatum*	$C_{20}H_{26}O_8$	Fruiting body (w)	89
648	Applanatumol F	*G. applanatum*	$C_{18}H_{22}O_8$	Fruiting body (w)	89
649	Applanatumol H	*G. applanatum*	$C_{16}H_{18}O_7$	Fruiting body (w)	89
650	Applanatumol I	*G. applanatum*	$C_{16}H_{16}O_8$	Fruiting body (w)	89

Table S1 The main chemical components of *Ganoderma*

NO	Compounds	Species	Chemical formula	Parts	Reference
651	Applanatumol Z3	*G. applanatum*	$C_{19}H_{22}O_9$	Fruiting body (c)	81
652	Applanatumol A	*G. applanatum*	$C_{16}H_{16}O_6$	Fruiting body (c)	88
653	Australeol A	*G. australe*	$C_{21}H_{26}O_5$	Fruiting body (c)	96
654	Australeol B	*G. australe*	$C_{21}H_{26}O_5$	Fruiting body (c)	96
655	Australeol C	*G. australe*	$C_{22}H_{28}O_6$	Fruiting body (c)	96
656	Australeol D	*G. australe*	$C_{21}H_{26}O_5$	Fruiting body (c)	96
657	Australeol E	*G. australe*	$C_{23}H_{30}O_6$	Fruiting body (c)	96
658	Australeol F	*G. australe*	$C_{23}H_{30}O_6$	Fruiting body (c)	96
659	Chizhine A	*G. lucidum*	$C_{16}H_{18}O_5$	Fruiting body (c)	81
660	Chizhine B	*G. sinensis*	$C_{16}H_{18}O_5$	Fruiting body (c)	97
661	Chizhine C	*G. lucidum*	$C_{16}H_{18}O_6$	Fruiting body (c)	81
662	Chizhiol A	*G. lucidum*	$C_{16}H_{18}O_6$	Fruiting body (c)	81
663	Cochelarin F	*G. cochlear*	$C_{15}H_{12}O_4$	Fruiting body (c)	81
664	Cochlearin G	*G. cochlear*	$C_{17}H_{22}O_5$	Fruiting body (c)	81
665	Cochlearin H	*G. cochlear*	$C_{16}H_{18}O_5$	Fruiting body (c)	81
666	Cochlearin A	*G. cochlear*	$C_{21}H_{26}O_3$	Fruiting body (c)	98
667	Cochlearin B	*G. cochlear*	$C_{21}H_{28}O_4$	Fruiting body (c)	98
668	Cochlearin C	*G. cochlear*	$C_{21}H_{26}O_4$	Fruiting body (c)	98
669	Cochlearoid F	*G. cochlear*	$C_{42}H_{52}O_7$	Fruiting body (c)	99
670	Cochlearoid G	*G. cochlear*	$C_{42}H_{52}O_7$	Fruiting body (c)	99
671	Cochlearoid H	*G. cochlear*	$C_{28}H_{30}O_7$	Fruiting body (c)	99
672	Cochlearoid I	*G. cochlear*	$C_{28}H_{32}O_6$	Fruiting body (c)	99
673	Cochlearoid J	*G. cochlear*	$C_{28}H_{32}O_6$	Fruiting body (c)	99
674	Cochlearoid K	*G. cochlear*	$C_{23}H_{22}O_7$	Fruiting body (c)	99
675	Cochlearoid N	*G. cochlear*	$C_{39}H_{48}O_7$	Fruiting body (c)	100
676	Cochlearoid O	*G. cochlear*	$C_{39}H_{46}O_8$	Fruiting body (c)	100
677	Cochlearoid P	*G. cochlear*	$C_{39}H_{46}O_8$	Fruiting body (c)	100
678	Cochlearol C	*G. cochlear*	$C_{20}H_{24}O_4$	Fruiting body (c)	101
679	Cochlearol D	*G. cochlear*	$C_{21}H_{26}O_5$	Fruiting body (c)	101
680	Cochlearol E	*G. cochlear*	$C_{21}H_{26}O_7$	Fruiting body (c)	102
681	Cochlearol F	*G. cochlear*	$C_{21}H_{26}O_7$	Fruiting body (c)	102
682	Cochlearol G	*G. cochlear*	$C_{21}H_{26}O_6$	Fruiting body (c)	102
683	Cochlearol H	*G. cochlear*	$C_{21}H_{26}O_6$	Fruiting body (c)	102
684	Cochlearol I	*G. cochlear*	$C_{20}H_{26}O_4$	Fruiting body (c)	102
685	Cochlearol J	*G. cochlear*	$C_{18}H_{24}O_5$	Fruiting body (c)	102
686	Cochlearol K	*G. cochlear*	$C_{16}H_{18}O_5$	Fruiting body (c)	102
687	Cochlearol L	*G. cochlear*	$C_{17}H_{20}O_6$	Fruiting body (c)	102
688	Cochlearol M	*G. cochlear*	$C_{21}H_{26}O_6$	Fruiting body (c)	102
689	Cochlearol N	*G. cochlear*	$C_{21}H_{26}O_7$	Fruiting body (c)	92
690	Cochlearol O	*G. cochlear*	$C_{21}H_{25}O_6$	Fruiting body (c)	92
691	Cochlearol P	*G. cochlear*	$C_{21}H_{28}O_7$	Fruiting body (c)	92
692	Cochlearol Q	*G. cochlear*	$C_{21}H_{28}O_8$	Fruiting body (c)	92

Table S1 The main chemical components of *Ganoderma*

NO	Compounds	Species	Chemical formula	Parts	Reference
693	Cochlearol R	*G. cochlear*	$C_{21}H_{28}O_4$	Fruiting body (c)	92
694	Cochlearol S	*G. cochlear*	$C_{21}H_{28}O_3$	Fruiting body (c)	92
695	Cochlearol T	*G. cochlear*	$C_{20}H_{22}O_3$	Fruiting body (c)	92
696	Cochlearol U	*G. cochlear*	$C_{21}H_{20}O_3$	Fruiting body (c)	92
697	Cochlearol V	*G. cochlear*	$C_{17}H_{16}O_4$	Fruiting body (c)	92
698	Cochlearol W	*G. cochlear*	$C_{20}H_{24}O_4$	Fruiting body (c)	92
699	Cochlearol X	*G. cochlear*	$C_{15}H_{16}O_4$	Fruiting body (c)	92
700	Cochlearol Y	*G. cochlear*	$C_{20}H_{24}O_3$	Fruiting body (c)	92
701	Farnesyl hydroquinone	*G. lucidum*	$C_{21}H_{30}O_2$	Fruiting body (c)	5
702	Fornicin A	*G. sinensis*	$C_{16}H_{18}O_4$	Fruiting body (c)	87
703	Fornicin B	*G. capense*	$C_{22}H_{28}O_5$	Fruiting body (c)	86
704	Fornicin C	*G. lucidum*	$C_{21}H_{28}O_5$	Fruiting body (c)	5
705	Fornicin D	*G. cochlear*	$C_{16}H_{18}O_5$	Fruiting body (c)	8181
706	Fornicin E	*G. capense*	$C_{22}H_{28}O_6$	Fruiting body (c)	86
707	Ganocapenoid A	*G. capense*	$C_{21}H_{26}O_6$	Fruiting body (c)	84
708	Ganocapenoid B	*G. capense*	$C_{16}H_{16}O_4$	Fruiting body (c)	84
709	Ganocapenoid C	*G. capense*	$C_{16}H_{20}O_5$	Fruiting body (c)	84
710	Ganocapenoid D	*G. capense*	$C_{16}H_{18}O_5$	Fruiting body (c)	84
711	Ganocapensin A	*G. capense*	$C_{21}H_{24}O_6$	Fruiting body (c)	86
712	Ganocapensin B	*G. capense*	$C_{21}H_{28}O_5$	Fruiting body (c)	86
713	Ganocin A	*G. cochlear*	$C_{21}H_{24}O_4$	Fruiting body (c)	103
714	Ganocin B	*G. cochlear*	$C_{20}H_{22}O_3$	Fruiting body (c)	103
715	Ganocin C	*G. cochlear*	$C_{20}H_{22}O_3$	Fruiting body (c)	103
716	Ganocin D	*G. cochlear*	$C_{20}H_{22}O_3$	Fruiting body (c)	103
717	Ganoduriporol A	*G. sinensis*	$C_{30}H_{34}O_9$	Fruiting body (c)	97
718	Ganoduriporol B	*G. sinensis*	$C_{30}H_{36}O_9$	Fruiting body (c)	97
719	Ganoleucin B	*G. leucocontextum*	$C_{21}H_{28}O_4$	Fruiting body (c)	81
720	Ganomycin A	*G. lucidum*	$C_{21}H_{28}O_5$	Fruiting body (c)	5
721	Ganomycin B	*G. lucidum*	$C_{21}H_{28}O_4$	Fruiting body (c)	5
722	Ganomycin E	*G. australe*	$C_{21}H_{26}O_6$	Fruiting body (c)	96
723	Ganomycin F	*G. capense*	$C_{21}H_{30}O_3$	Fruiting body (c)	86
724	Ganomycin I	*G. lucidum*	$C_{21}H_{26}O_4$	Fruiting body (c)	5
725	Ganomycin J	*G. leucocontextum*	$C_{21}H_{30}O_6$	Fruiting body (c)	104
726	Ganomycin K	*G. lucidum*	$C_{21}H_{28}O_6$	Fruiting body (c)	5
727	Ganoresain B	*G. capense*	$C_{21}H_{26}O_5$	Fruiting body (c)	84
728	Ganoresain E	*G. capense*	$C_{22}H_{28}O_7$	Fruiting body (c)	84
729	Zizhine A	*G. sinensis*	$C_{21}H_{26}O_5$	Fruiting body (c)	87
730	Ganoresinain A	*G.resinaceum*	$C_{21}H_{24}O_5$	Fruiting body (w)	105
731	Ganoresinain B	*G.resinaceum*	$C_{21}H_{26}O_5$	Fruiting body (w)	105
732	Ganoresinain C	*G.resinaceum*	$C_{21}H_{26}O_5$	Fruiting body (w)	105
733	Ganoresinain D	*G.resinaceum*	$C_{21}H_{25}O_6$	Fruiting body (w)	105
734	Ganoresinain E	*G.resinaceum*	$C_{21}H_{28}O_7$	Fruiting body (w)	105

Table S1 The main chemical components of *Ganoderma*

NO	Compounds	Species	Chemical formula	Parts	Reference
735	Zizhine G	*G. sinensis*	$C_{30}H_{32}O_7$	Fruiting body (c)	97
736	Zizhine H	*G. sinensis*	$C_{30}H_{32}O_9$	Fruiting body (c)	97
737	Ganosinensol A	*G. sinensis*	$C_{30}H_{32}O_8$	Fruiting body (c)	97
738	Ganotheaecoloid C	*G.theaecolum*	$C_{21}H_{28}O_6$	Fruiting body (c)	83
739	Ganotheaecoloid D	*G.theaecolum*	$C_{21}H_{26}O_6$	Fruiting body (c)	83
740	Ganotheaecoloid E	*G.theaecolum*	$C_{21}H_{28}O_6$	Fruiting body (c)	83
741	Ganotheaecoloid F	*G.theaecolum*	$C_{21}H_{26}O_6$	Fruiting body (c)	83
742	Ganotheaecoloid H	*G.theaecolum*	$C_{21}H_{26}O_5$	Fruiting body (c)	83
743	Ganotheaecoloid I	*G.theaecolum*	$C_{21}H_{26}O_6$	Fruiting body (c)	83
744	Ganotheaecoloid J	*G.theaecolum*	$C_{22}H_{28}O_6$	Fruiting body (c)	83
745	Ganotheaecoloid K	*G.theaecolum*	$C_{21}H_{28}O_5$	Fruiting body (c)	83
746	Ganotheaecoloid L	*G.theaecolum*	$C_{16}H_{18}O_6$	Fruiting body (c)	83
747	Ganotheaecolumol H	*G.theaecolum*	$C_{22}H_{26}O_6$	Fruiting body (c)	85
748	Ganotheaecolumol K	*G.theaecolum*	$C_{21}H_{26}O_6$	Fruiting body (c)	85
749	Lingzhifuran A	*G. lucidum*	$C_{18}H_{14}O_3$	Fruiting body (c)	106
750	Lingzhilactone A	*G. lucidum*	$C_{18}H_{20}O_7$	Fruiting body (c)	81
751	Lingzhilactone B	*G. lucidum*	$C_{16}H_{16}O_7$	Fruiting body (c)	81
752	Lingzhilactone C	*G. lucidum*	$C_{20}H_{26}O_8$	Fruiting body (c)	81
753	Lingzhilactone D	*G. lucidum*	$C_{17}H_{16}O_8$	Fruiting body (c)	106
754	Lingzhilactone E	*G. lucidum*	$C_{16}H_{16}O_6$	Fruiting body (c)	106
755	Lingzhilactone F	*G. lucidum*	$C_{15}H_{16}O_6$	Fruiting body (c)	106
756	Lingzhine C	*G. lucidum*	$C_{15}H_{12}O_4$	Fruiting body (c)	81
757	Lingzhine D	*G. lucidum*	$C_{16}H_{14}O_4$	Fruiting body (c)	81
758	Lingzhine E	*G. australe*	$C_{16}H_{18}O_6$	Fruiting body (c)	96
759	Lingzhine F	*G. australe*	$C_{16}H_{18}O_6$	Fruiting body (c)	96
760	Lucidulactone A	*G. lucidum*	$C_{12}H_{14}O_6$	Fruiting body (c)	107
761	Lucidulactone B	*G. lucidum*	$C_{17}H_{18}O_6$	Fruiting body (c)	107
762	Petchiether A	*G. petchii*	$C_{21}H_{28}O_5$	Fruiting body (c)	108
763	Petchiether B	*G. petchii*	$C_{21}H_{28}O_5$	Fruiting body (c)	108
764	Spiroapplanatumine A	*G. applanatum*	$C_{16}H_{14}O_7$	Fruiting body (c)	109
765	Spiroapplanatumine C	*G. applanatum*	$C_{17}H_{16}O_7$	Fruiting body (c)	109
766	Spiroapplanatumine E	*G. applanatum*	$C_{17}H_{16}O_7$	Fruiting body (c)	109
767	Spiroapplanatumine G	*G. applanatum*	$C_{16}H_{14}O_6$	Fruiting body (c)	109
768	Spiroapplanatumine I	*G. applanatum*	$C_{17}H_{16}O_6$	Fruiting body (c)	109
769	Spiroapplanatumine B	*G. applanatum*	$C_{16}H_{14}O_7$	Fruiting body (c)	109
770	Spiroapplanatumine D	*G. applanatum*	$C_{17}H_{16}O_7$	Fruiting body (c)	109
771	Spiroapplanatumine F	*G. applanatum*	$C_{17}H_{16}O_7$	Fruiting body (c)	109
772	Spiroapplanatumine H	*G. applanatum*	$C_{16}H_{14}O_6$	Fruiting body (c)	109
773	Spiroapplanatumine J	*G. applanatum*	$C_{17}H_{18}O_7$	Fruiting body (c)	109
774	Spiroapplanatumine K	*G. applanatum*	$C_{17}H_{18}O_7$	Fruiting body (c)	109
775	Spiroapplanatumine L	*G. applanatum*	$C_{16}H_{16}O_6$	Fruiting body (c)	109
776	Spiroapplanatumine M	*G. applanatum*	$C_{16}H_{16}O_6$	Fruiting body (c)	109

Table S1 The main chemical components of *Ganoderma*

NO	Compounds	Species	Chemical formula	Parts	Reference
777	Spiroapplanatumine N	*G. applanatum*	$C_{16}H_{14}O_6$	Fruiting body (c)	109
778	Spiroapplanatumine O	*G. applanatum*	$C_{17}H_{16}O_6$	Fruiting body (c)	109
779	Spiroapplanatumine P	*G. applanatum*	$C_{18}H_{20}O_6$	Fruiting body (c)	109
780	Spiroapplanatumine Q	*G. applanatum*	$C_{14}H_{14}O_6$	Fruiting body (c)	109
781	Spirocochlealactones A	*G. cochlear*	$C_{42}H_{50}O_8$	Fruiting body (c)	110
782	Spirocochlealactones B	*G. cochlear*	$C_{37}H_{42}O_8$	Fruiting body (c)	110
783	Spirocochlealactones C	*G. cochlear*	$C_{37}H_{42}O_8$	Fruiting body (c)	110
784	Spirolingzhine A	*G. leucocontextum*	$C_{16}H_{18}O_6$	Fruiting body (c)	104
785	Spirolingzhine D	*G. lucidum*	$C_{16}H_{16}O_6$	Fruiting body (c)	81
786	Zizhine I	*G. sinensis*	$C_{30}H_{32}O_8$	Fruiting body (c)	97
787	Zizhine J	*G. sinensis*	$C_{30}H_{34}O_8$	Fruiting body (c)	97
788	Zizhine K	*G. sinensis*	$C_{30}H_{32}O_9$	Fruiting body (c)	97
798	Zizhine L	*G. sinensis*	$C_{30}H_{34}O_9$	Fruiting body (c)	97
790	Zizhine M	*G. sinensis*	$C_{21}H_{26}O_7$	Fruiting body (c)	97
791	Zizhine N	*G. sinensis*	$C_{21}H_{26}O_7$	Fruiting body (c)	97
792	Zizhine O	*G. sinensis*	$C_{21}H_{28}O_7$	Fruiting body (c)	97
Sesquiterpenoids					
793	Cryptoporic acid H	*G. neo-japonicum*	$C_{21}H_{32}O_7$	Fruiting body (c)	5
794	Cryptoporic acid I	*G. neo-japonicum*	$C_{21}H_{32}O_8$	Fruiting body (c)	5
795	Echinolactone D	*G. applanatum*	$C_{15}H_{18}O_3$	Fruiting body (c)	5
796	Ganodermanol A	*G. capense*	$C_{15}H_{26}O_3$	Mycelium (c)	111
797	Ganodermanol B	*G. capense*	$C_{15}H_{26}O_2$	Mycelium (c)	111
798	Ganodermanol C	*G. capense*	$C_{15}H_{26}O_3$	Mycelium (c)	111
799	Ganodermanol D	*G. capense*	$C_{15}H_{24}O_2$	Mycelium (c)	111
800	Ganodermanol E	*G. capense*	$C_{15}H_{22}O_2$	Mycelium (c)	111
801	Ganodermanol F	*G. capense*	$C_{15}H_{26}O_3$	Mycelium (c)	111
802	Ganodermanol G	*G. capense*	$C_{15}H_{28}O_3$	Mycelium (c)	111
803	Ganodermanol H	*G. capense*	$C_{15}H_{28}O_3$	Mycelium (c)	111
804	Ganodermanol I	*G. capense*	$C_{15}H_{28}O_4$	Mycelium (c)	111
805	Ganodermanol J	*G. capense*	$C_{15}H_{28}O_4$	Mycelium (c)	111
806	Ganodermanol K	*G. capense*	$C_{15}H_{28}O_3$	Mycelium (c)	111
807	Ganodermycin	*G. capense*	$C_{15}H_{20}O_5$	Fruiting body (c)	5
808	Ganomastenol A	*G. mastoporum*	$C_{15}H_{24}O_3$	Fruiting body (c)	5
809	Ganomastenol B	*G. mastoporum*	$C_{15}H_{24}O_3$	Fruiting body (c)	5
810	Ganomastenol C	*G. mastoporum*	$C_{15}H_{26}O_3$	Fruiting body (c)	5
811	Ganomastenol D	*G. mastoporum*	$C_{15}H_{24}O_3$	Fruiting body (c)	5
812	Ganosinensine	*G. leucocontextum*	$C_{15}H_{22}O_3$	Fruiting body (c)	104
813	Gymnomitrane-3α,5α,9β,15-tetrol	*G. lucidum*	$C_{15}H_{26}O_4$	Fruiting body (w)	112
814	Shushene A	*G. applanatum*	$C_{15}H_{26}O_3$	Fruiting body (c)	113
815	Shushene B	*G. applanatum*	$C_{11}H_{12}O_5$	Fruiting body (c)	113
793	Cryptoporic acid H	*G. neo-japonicum*	$C_{21}H_{32}O_7$	Fruiting body (c)	5
794	Cryptoporic acid I	*G. neo-japonicum*	$C_{21}H_{32}O_8$	Fruiting body (c)	5

Table S1 The main chemical components of *Ganoderma*

NO	Compounds	Species	Chemical formula	Parts	Reference
795	Echinolactone D	*G. applanatum*	$C_{15}H_{18}O_3$	Fruiting body (c)	5
796	Ganodermanol A	*G. capense*	$C_{15}H_{26}O_3$	Mycelium (c)	111
797	Ganodermanol B	*G. capense*	$C_{15}H_{26}O_2$	Mycelium (c)	111
798	Ganodermanol C	*G. capense*	$C_{15}H_{26}O_3$	Mycelium (c)	111
799	Ganodermanol D	*G. capense*	$C_{15}H_{24}O_2$	Mycelium (c)	111
800	Ganodermanol E	*G. capense*	$C_{15}H_{22}O_2$	Mycelium (c)	111
801	Ganodermanol F	*G. capense*	$C_{15}H_{26}O_3$	Mycelium (c)	111
802	Ganodermanol G	*G. capense*	$C_{15}H_{28}O_3$	Mycelium (c)	111
803	Ganodermanol H	*G. capense*	$C_{15}H_{28}O_3$	Mycelium (c)	111
804	Ganodermanol I	*G. capense*	$C_{15}H_{28}O_4$	Mycelium (c)	111
805	Ganodermanol J	*G. capense*	$C_{15}H_{28}O_4$	Mycelium (c)	111
806	Ganodermanol K	*G. capense*	$C_{15}H_{28}O_3$	Mycelium (c)	111
807	Ganodermycin	*G. capense*	$C_{15}H_{20}O_5$	Fruiting body (c)	5
808	Ganomastenol A	*G. mastoporum*	$C_{15}H_{24}O_3$	Fruiting body (c)	5
809	Ganomastenol B	*G. mastoporum*	$C_{15}H_{24}O_3$	Fruiting body (c)	5
810	Ganomastenol C	*G. mastoporum*	$C_{15}H_{26}O_3$	Fruiting body (c)	5
811	Ganomastenol D	*G. mastoporum*	$C_{15}H_{24}O_3$	Fruiting body (c)	5
812	Ganosinensine	*G. leucocontextum*	$C_{15}H_{22}O_3$	Fruiting body (c)	104
813	Gymnomitrane-3α,5α,9β,15-tetrol	*G. lucidum*	$C_{15}H_{26}O_4$	Fruiting body (w)	112
814	Shushene A	*G. applanatum*	$C_{15}H_{26}O_3$	Fruiting body (c)	113
815	Shushene B	*G. applanatum*	$C_{11}H_{12}O_5$	Fruiting body (c)	113
Steroids					
816	β-sitosterol	*G. sinensis*	$C_{29}H_{50}O$	Fruiting body (w)	21
817	Daucosterol	*G. sinensis*	$C_{35}H_{60}O_6$	Fruiting body (w)	21
818	Volemolide	*G. luteomarginatum*	$C_{22}H_{34}O_3$	Fruiting body (c)	114
819	Ganodermaside A	*G. lucidum*	$C_{28}H_{40}O_2$	Fruiting body (c)	5
820	Ganodermaside B	*G. lucidum*	$C_{28}H_{40}O_2$	Fruiting body (c)	5
821	Ganodermaside C	*G. lucidum*	$C_{28}H_{38}O_3$	Fruiting body (c)	5
822	Ganodermaside D	*G. lucidum*	$C_{28}H_{40}O_2$	Fruiting body (c)	5
823	Ergosta-4,6,8(14),22-tetraen-3-one	*G. applanatum*	$C_{28}H_{40}O$	Fruiting body (w)	7
824	Ganoderin A	*G. lucidum*	$C_{28}H_{46}O_5$	Spores oil (c)	115
825	Fungisterol	*G. lucidum*	$C_{28}H_{48}O$	Fruiting body (c)	5
826	Ergosterol-palmitate	*G. lucidum*	$C_{44}H_{74}O_2$	Fruiting body (c)	7
827	Ergosterol peroxide	*G. hainanense*	$C_{28}H_{44}O_3$	Fruiting body (c)	51
828	Ergosterol D	*G. theaecolum* *G. sessile*	$C_{28}H_{44}O$	Fruiting body (w)	7
829	Ergosterol	*G. lucidum*	$C_{28}H_{44}O$	Fruiting body (c)	7
830	Ergosta-7,22-trin-3β,5α,6α-triol	*G. lucidum*	$C_{28}H_{46}O_3$	Fruiting body (c)	7
831	Ergosta-7,22-diene-3β,5α-6β-triol	*G. hainanense*	$C_{28}H_{46}O_3$	Fruiting body (w)	116
832	Ergosta-7,22-diene-2β,3α,9α-triol	*G. lucidum*	$C_{28}H_{46}O_3$	Fruiting body (c)	5
833	Ergosta-7,22-dien-3β-ylpalmitate	*G. sinensis*	$C_{44}H_{76}O_2$	Fruiting body (w)	21
834	Ergosta-7,22-dien-3-one	*G. luteomarginatum*	$C_{28}H_{44}O$	Fruiting body (c)	114

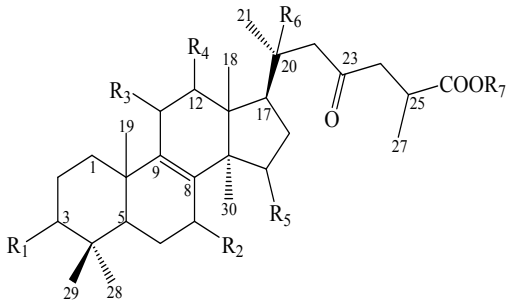
Table S1 The main chemical components of *Ganoderma*

NO	Compounds	Species	Chemical formula	Parts	Reference
835	Ergosta-7,22-dien-3β-yl linoleate	*G. lucidum*	$C_{46}H_{76}O_2$	Fruiting body (c)	5
836	Ergosta-7,22-dien-3β-ol	*G. lucidum*	$C_{28}H_{46}O$	Fruiting body (c)	117
837	Ergosta-7,22-dien-3β,5α,6β-triol	*G. lucidum*	$C_{28}H_{46}O_3$	Fruiting body (c)	7
838	Ergosta-7,22-dien-3β,5α,6β,9α-tetraol	*G. sessile*	$C_{28}H_{46}O_4$	Fruiting body (c)	7
839	Ergosta-7,22-dien-2β,4α-diol	*G. sessile*	$C_{28}H_{46}O_2$	Fruiting body (c)	7
840	Ergosta-7,22-dien-2β,3α,9α-triol	*G. theaecolum*	$C_{28}H_{46}O_3$	Fruiting body (w)	7
841	6β-Hydroxy-ergosta-4,7,22-trien-3-one	*G. lucidum*	$C_{28}H_{42}O_2$	Fruiting body (c)	5
842	6α-Hydroxy-ergosta-4,7,22-trien-3-one	*G. lucidum*	$C_{28}H_{42}O_2$	Fruiting body (c)	5
843	Ergosta-4,7,22-triene-3,6-dione	*G. lucidum*	$C_{28}H_{40}O_2$	Fruiting body (c)	5
844	Ergosta 7,22-dien-3β-ol	*G. hainanense*	$C_{28}H_{46}O$	Fruiting body (w)	116
845	Ergosta 7,22-dien-3-one	*G. hainanense*	$C_{28}H_{44}O$	Fruiting body (w)	116
846	Ergost-7,22-dien-3β,4α-diol	*G. resinaceum*	$C_{28}H_{46}O_2$	Fruiting body (w)	70
847	11α-Hydroxy-21-hydroxy-demethylincisterol A3	*G. capense*	$C_{21}H_{32}O_6$	Mycelium (c)	68
848	Demethylincisterol A3	*G. capense*	$C_{21}H_{32}O_4$	Mycelium (c)	68
849	Calvasterol A	*G. luteomarginatum*	$C_{28}H_{38}O_3$	Fruiting body (c)	114
850	7α-Methoxy-5α,6α-epoxyergosta-8(14),22-dien-3β-ol	*G. hainanense*	$C_{29}H_{46}O_3$	Fruiting body (w)	116
851	6,9-Epidioxy-ergosta-7,22-dien-3β-ol	*G. sinensis*	$C_{28}H_{44}O_2$	Fruiting body (c)	8
852	5α-Stigmastan3,6-dione	*G. lucidum*	$C_{29}H_{46}O_2$	Fruiting body (c)	7
853	5,8-Epidioxyergosta-6,22-dien-3β-ol	*G. sessile*	$C_{28}H_{46}O_3$	Fruiting body (c)	7
854	5α,8α-Epidioxyergosta-6,9(11),22-triene-3β-ol	*G. luteomarginatum*	$C_{28}H_{42}O_3$	Fruiting body (c)	114
855	5α,8α-Epidioxyergosta-6,22-dien-3β-ol	*G. luteomarginatum*	$C_{28}H_{44}O_3$	Fruiting body (c)	114
856	5α,8α-Epidioxyergosta-6,9(11),22-trien-3β-ol	*G. lucidum*	$C_{28}H_{42}O_3$	Fruiting body (c)	117
857	3β,5α-Dihydroxy-6β-methoxy-ergosta-7, 22-diene	*G. lucidum*	$C_{29}H_{48}O_3$	Fruiting body (w)	70
858	3β,5α-Dihydroxy-(22E,24R)-ergosta-7,22-dien-6-one	*G. lucidum*	$C_{28}H_{44}O_3$	Fruiting body (c)	5
859	3β,5α,9α-Trihydroxy-(22E,24R)-ergosta-7, 22-dien-6-one	*G. lucidum*	$C_{28}H_{44}O_4$	Spore	118
860	3β,5α,6β-Trihydroxy-ergosta-7,22-diene	*G. theaecolum*	$C_{28}H_{46}O_3$	Fruiting body (w)	7
861	3β,5α,6β,8β,14α-Pentahydroxy-(22E,24R)-ergost-22-en-7-one	*G. lucidum*	$C_{28}H_{46}O_6$	Fruiting body (c)	5
862	3β,5α,9α-Trihydroxyergosta-7,22-dien-6-one	*G. sessile*	$C_{28}H_{44}O_4$	Fruiting body (c)	7
863	2β-Methoxyl-3α,9α-dihydroxyergosta-7,22-diene	*G. lucidum*	$C_{29}H_{48}O_3$	Fruiting body (c)	5
864	22E,24R-Ergosta-7,22-diene-3β,5α,6β-triol (cerevisterol)	*G. lucidum*	$C_{28}H_{46}O_3$	Fruiting body (c)	5
865	22E,24R-Ergosta-7,22-diene-3β,5α,6β,9α-tetraol	*G. lucidum*	$C_{28}H_{46}O_4$	Fruiting body (c)	5
866	22E,24R-Ergosta-7,22-diene-3β,5α,6β,9α,14α-pentol	*G. lucidum*	$C_{28}H_{46}O_5$	Fruiting body (c)	5
867	22,23-Dihydroergosterol	*G. lucidum*	$C_{28}H_{46}O$	Fruiting body (c)	5
868	(24S)-3-oxo-7α,24,25-trihydroxylanost-8-ene	*G. orbiforme*	$C_{30}H_{50}O_4$	Fruiting body (c)	119
869	(24S)-24-Methyl-5α-cholest-7-ene-3β-ol	*G. applanatum*	$C_{28}H_{48}O_5$	Fruiting body (c)	5
870	(24S)-24-Methyl-5α-cholest-7,l6-diene-3β-ol	*G. applanatum*	$C_{28}H_{46}O_5$	Fruiting body (c)	5
871	(22E,24R) Ergosta-7,22-dien-3β-ol	*G. sinensis*	$C_{30}H_{48}O_4$	Fruiting body (w)	21
872	Ergosta-22-dien-3β-ol	*G. duropora*	$C_{28}H_{48}O$	Fruiting body (c)	26
873	Ergosta-7,22-dien-3β,5α-ol	*G. lingzhi*	$C_{28}H_{46}O_2$	Fruiting body (c)	26
874	Ergosta-4,6,8,(14),22-tetraene-3-one	*G. daiqingshanense*	$C_{28}H_{40}O$	Fruiting body (c)	24
875	β-Sitosterol	*G. lucidum*	$C_{29}H_{50}O$	Spore	120
Alkaloids					

Table S1 The main chemical components of *Ganoderma*

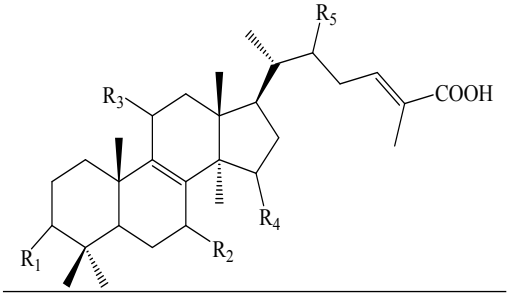
NO	Compounds	Species	Chemical formula	Parts	Reference
876	4-Aminobenzoic acid methyl ester	*G. mastoporum*	$C_8H_9NO_2$	Fruiting body (w)	7
877	Ganoderma alkaloid A	*G. capense*	$C_{11}H_{17}NO_2$	Fruiting body (c)	5
878	Ganoderma alkaloid B	*G. capense*	$C_{14}H_{15}NO_2$	Fruiting body (c)	5
879	Sinensine	*G. sinense*	$C_{15}H_{15}NO_3$	Fruiting body (c)	5
880	Sinensine B	*G. sinense*	$C_{14}H_{13}NO_2$	Fruiting body (c)	121
881	Sinensine C	*G. sinense*	$C_{14}H_{13}NO_3$	Fruiting body (c)	121
882	Sinensine D	*G. sinense*	$C_{14}H_{11}NO_3$	Fruiting body (c)	121
883	Sinensine E	*G. sinense*	$C_{15}H_{13}NO_3$	Fruiting body (c)	121
884	Isatin	*G. sinense*	$C_8H_5NO_2$	Fruiting body (w)	21
885	Cerebroside D	*G. sinense*	$C_{43}H_{81}NO_9$	Fruiting body (w)	21
886	Hemisceramide	*G. sinense*	$C_{42}H_{85}NO_5$	Fruiting body (w)	21
887	Poke-weed cerebroside	*G. sinense*	$C_{42}H_{81}NO_7$	Fruiting body (w)	21
888	Sinensine A	*G. sinense*	$C_{20}H_{21}NO_8$	Fruiting body (w)	21
889	Sinensine B	*G. sinense*	$C_{15}H_{15}NO_3$	Fruiting body (w)	21
890	Sinensine C	*G. sinense*	$C_{15}H_{15}NO_2$	Fruiting body (w)	21
891	Sinensine D	*G. sinense*	$C_{14}H_{11}NO_3$	Fruiting body (w)	21
892	Sinensine E	*G. sinense*	$C_{15}H_{13}NO_3$	Fruiting body (w)	21
893	Betaine	*G. lucidum*	$C_5H_{11}NO_2$	Fruiting body (c)	122
894	Ganoine	*G. lucidum*	$C_{11}H_{17}NO_2$	Fruiting body (w)	123
895	Ganodine	*G. lucidum*	$C_{14}H_{15}NO_2$	Fruiting body (w)	123
896	Sinensine	*G. theaecolum*	$C_{15}H_{15}NO_3$	Fruiting body (c)	124
897	2-oxo-1,2-Dihydroquinoline-6-carboxylic acid	*G. theaecolum*	$C_{10}H_7NO_3$	Fruiting body (w)	7
898	1-oxo-1,2-Dihydroquinoline-3-carboxylic acid	*G. theaecolum*	$C_{10}H_7NO_3$	Fruiting body (w)	7
899	Ganocochlearine A	*G. cochlear*	$C_{14}H_{13}NO_2$	Fruiting body (c)	125
900	Ganocochlearine B	*G. cochlear*	$C_{15}H_{15}NO_2$	Fruiting body (c)	125
901	Ganoapplanatumines A	*G. applanatum*	$C_{15}H_{15}NO_3$	Fruiting body (w)	89
902	Ganoapplanatumines B	*G. applanatum*	$C_{16}H_{15}NO_4$	Fruiting body (w)	89
903	Lucidimine A	*G. lucidum*	$C_{16}H_{15}NO_3$	Fruiting body (w)	126
904	Lucidimine B	*G. lucidum*	$C_{15}H_{13}NO_2$	Fruiting body (w)	126
905	Lucidimine C	*G. lucidum*	$C_{16}H_{15}NO_3$	Fruiting body (w)	126
906	Lucidimine D	*G. lucidum*	$C_{17}H_{17}NO_4$	Fruiting body (w)	126

Note: c- cultivation; w- wild

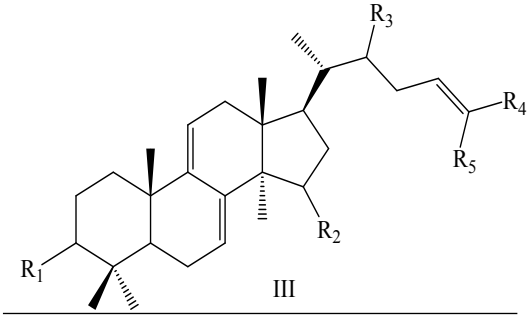


NO	R_1	R_2	R_3	R_4	R_5	R_6	R_7
1	OH	=O	O	OAc	OAc	H	H
2	O	β-OH	O	OAc	O	H	H
3	O	O	O	OAc	O	H	H
4	β-OH	O	O	OH	α-OH	H	H
5	O	O	O	β-OAc	O	H	Et
6	β-OH	O	O	OAc	O	H	Bu
7	O	O	O	OAc	O	H	Bu
8	OH	O	O	β-OAc	O	H	H
9	OH	O	O	OAc	OAc	H	H
10	O	β-OH	O	H	α-OH	H	H
11	β-OH	β-OH	O	H	O	H	H
12	O	β-OH	O	H	O	H	H
13	β-OH	β-OH	O	H	α-OH	H	H
14	O	β-OH	O	β-OH	O	H	H
15	O	O	O	H	O	H	H
16	O	O	O	β-OAc	O	H	H
17	β-OH	β-OH	O	β-OH	O	H	H
18	β-OH	O	O	β-OAc	O	H	H
19	β-OH	β-OH	O	H	O	ξ-OH	H
20	O	O	O	H	α-OH	H	H
21	β-OH	β-OH	O	β-OAc	O	H	H
22	β-OH	β-OH	O	H	α-OH	ξ-OH	H
23	O	β-OH	O	α-OH	O	H	H
24	O	β-OH	O	H	O	ξ-OH	H
25	O	O	O	H	O	ξ-OH	H
26	β-OH	O	O	H	O	H	H
27	O	O	O	β-OH	α-OH	ξ-OH	H
28	O	O	O	H	α-OH	ξ-OH	H
29	O	α-OH	O	H	α-OH	H	H
30	β-OH	O	O	β-OH	O	H	H
31	O	β-OH	β-OH	H	O	H	H
32	β-OH	O	O	β-OAc	β-OH	H	H
33	β-OH	β-OH	O	β-OH	O	OH	H
34	β-OH	O	O	H	O	ξ-OH	H
35	β-OAc	β-OH	O	H	O	H	H
36	β-OAc	O	O	β-OAc	O	H	H
37	β-OAc	O	O	H	α-OH	H	H
38	O	H	O	H	α-OH	H	H
39	β-OH	H	O	H	α-OH	H	H
40	O	β-OH	O	H	α-OH	H	Me
41	β-OH	β-OH	O	H	O	H	Me
42	β-OH	β-OH	O	H	α-OH	H	Me
43	O	β-OH	O	H	O	H	Me
44	O	O	O	H	O	H	Me
45	O	O	O	β-OAc	O	H	Me
46	β-OH	O	O	β-OAc	O	H	Me
47	O	O	O	H	α-OH	H	Me
48	β-OAc	O	O	β-OAc	O	H	Me
49	β-OH	β-OH	O	β-OAc	O	H	Me
50	O	O	O	H	α-OH	H	Et
51	β-OAc	β-OH	O	H	O	H	Et
52	O	β-OH	O	H	α-OH	H	Bu
53	β-OH	β-OH	O	H	O	H	Bu
54	β-OH	O	O	β-OAc	O	H	Bu
55	α-OH	α-OH	O	α-OH	O	OH	H
56	OH	OH	O	O	O	H	H
57	OH	O	O	H	OH	H	H
58	O	α-OH	O	H	α-OH	H	H
59	O	α-OH	O	H	α-OH	H	Me
60	β-OH	α-OH	O	H	α-OH	H	Me
61	O	O	O	O	O	H	H
62	O	O	O	OH	OH	OH	H
63	β-OH	O	O	H	O	OH	Me
64	β-OH	α-OH	O	H	α-OH	H	H
65	β-OH	β-OH	O	H	α-OH	H	H
66	O	β-OH	O	H	O	H	H
67	β-OH	β-OH	O	β-OH	O	H	H
68	β-OH	β-OH	O	H	α-OH	OH	H
69	β-OH	β-OH	O	H	α-OH	H	Me
70	β-OH	β-OH	O	β-OH	O	H	Me
71	β-OH	β-OH	O	H	O	H	Me
72	β-OH	O	O	H	α-OH	H	Me
73	β-OH	β-OH	O	H	β-OH	H	H
74	O	β-OH	O	α-OH	O	H	Me
75	O	O	O	H	α-OH	H	Me
76	O	H	O	H	α-OH	H	Me

NO	R_1	R_2	R_3	R_4	R_5	R_6	R_7
77	β-OH	H	O	H	α-OH	H	Me



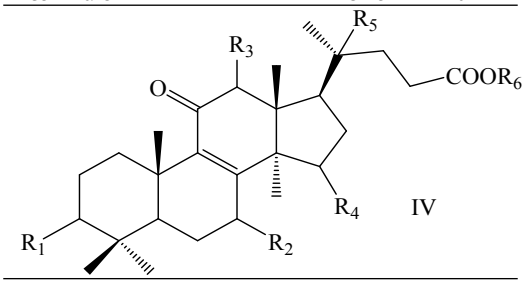
NO	R_1	R_2	R_3	R_4	R_5
78	O	O	α-OH	H	H
79	α-OH	α-OH	H	H	H
80	O	α-OH	H	α-OAc	H
81	α-OAc	α-OH	H	α-OAc	H
82	β-OH	H	H	H	H
83	O	β-OH	O	O	H
84	O	β-OH	O	α-OH	H
85	α-OAc	α-OAc	H	α-OH	H
86	α-OAc	α-OAc	H	α-OH	ξ-OAc
87	α-OAc	α-OMe	H	H	ξ-OAc
88	α-OAc	α-OMe	H	α-OH	ξ-OAc
89	α-OAc	α-OH	H	α-OH	ξ-OAc
90	α-OAc	α-OMe	H	α-OH	H
91	α-OAc	α-OMe	H	H	ξ-OAc
92	β-OH	β-OH	O	O	H
93	α-OAc	α-OMe	H	α-OAc	β-OAc
94	α-OAc	α-OEt	H	α-OAc	ξ-OAc
95	β-OH	O	O	H	H
96	β-OH	O	H	α-OH	H
97	β-OAc	O	H	H	β-OAc
98	β-OH	O	H	H	β-OAc
99	O	α-OH	H	α-OAc	β-OAc
100	O	α-OH	H	H	β-OAc
101	O	α-OMe	H	H	β-OAc
102	α-OAc	α-OH	H	H	β-OAc
103	β-OAc	H	H	α-OAc	H
104	OAc	OH	H	OAc	OAc



III

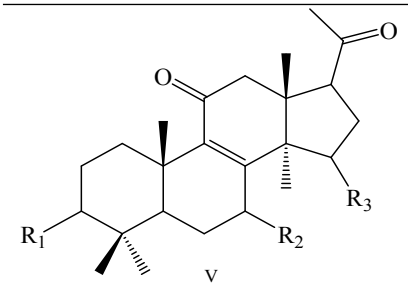
NO	R_1	R_2	R_3	R_4	R_5
105	OAc	H	H	CH_2OH	Me
106	O	H	H	CHO	Me
107	α-OH	α-OAc	β-OAc	COOH	Me
108	α-OAc	α-OH	β-OAc	COOH	Me
109	α-OAc	H	β-OAc	COOH	Me
110	α-OH	H	β-OAc	COOH	Me
111	α-OAc	α-OAc	β-OAc	COOH	Me
112	α-OH	α-OAc	H	COOH	Me
113	β-OH	H	H	COOH	Me
114	α-OAc	α-OAc	H	COOH	Me
115	α-OAc	α-OH	H	COOH	Me
116	O	β-OH	H	COOH	Me
117	O	α-OH	H	COOH	Me
118	β-OAc	α-OAc	H	COOH	Me
119	α-OH	α-OH	H	COOH	Me
120	β-OH	α-OH	H	COOH	Me
121	β-OH	α-OAc	β-OAc	COOH	Me
122	β-OH	α-OAc	H	COOH	Me
123	β-OAc	α-OH	H	COOH	Me
124	O	α-OAc	H	COOH	Me
125	O	H	β-OAc	COOH	Me
126	α-OAc	α-OH	β-OH	COOH	Me

NO	R_1	R_2	R_3	R_4	R_5
127	β-OAc	α-OAc	β-OAc	COOH	Me
128	α-OH	α-OH	α-OH	COOH	Me
129	β-OH	α-OH	β-OH	COOH	Me
130	α-OAc	α-OAc	α-OH	COOH	Me
131	β-OAc	α-OAc	α-OH	COOH	Me
132	α-OH	α-OAc	β-OAc	COOH	Me
133	β-OH	α-OH	β-OAc	COOH	Me
134	O	H	H	CHO	Me
135	β-OH	H	H	CHO	Me
136	O	α-OH	H	Me	CHO
137	O	H	H	CH_2OH	Me
138	β-OH	H	H	CH_2OH	Me
139	β-OH	H	H	CH_2OH	CH_2OH
140	β-OH	α-OH	H	CH_2OH	CH_2OH
141	O	α-OH	H	CH_2OH	CH_2OH
142	O	H	H	CH_2OH	CH_2OH
143	O	α-OH	H	CH_2OH	Me
144	β-OH	α-OH	H	Me	Me
145	β-OH	H	H	Me	Me
146	β-OH	α-OAc	H	CH_2OH	Me
147	β-OH	α-OAc	H	CHO	Me
148	OAc	OAc	α-OH	COOH	Me
149	β-OH	H	H	Me	Me
150	O	OH	OH	Me	Me
151	α-OAc	α-OH	OAc	COOH	Me
152	α-OH	H	OAc	COOH	Me
153	α-OH	H	H	CHO	Me



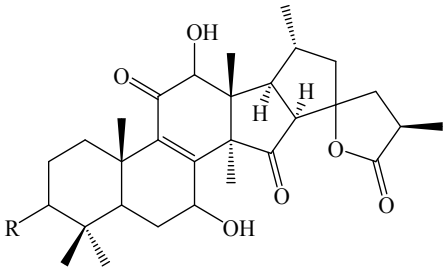
NO	R_1	R_2	R_3	R_4	R_5	R_6
154	O	β-OH	H	O	H	H
155	O	β-OH	β-OH	O	H	H
156	β-OH	β-OH	β-OH	O	H	H
157	O	O	O	O	H	H
158	O	O	β-OAc	O	H	H
159	O	β-OH	α-OH	O	H	H
160	β-OH	O	β-OAc	O	H	H
161	O	O	H	O	H	H
162	β-OH	β-OH	H	O	H	H
163	β-OH	β-OH	β-OAc	O	H	H
164	O	β-OH	H	O	ξ-OH	H
165	O	O	β-OAc	O	ξ-OH	H
166	β-OH	O	β-OAc	O	ξ-OH	H
167	O	O	H	O	ξ-OH	H
168	β-OH	β-OH	H	O	ξ-OH	H
169	β-OH	β-OH	β-OAc	O	ξ-OH	H
170	β-OH	O	H	O	H	H
171	O	β-OH	H	O	H	Me
172	β-OH	β-OH	β-OH	O	H	Me
173	O	O	H	O	H	Me
174	β-OH	β-OH	H	O	H	Me

NO	R_1	R_2	R_3	R_4	R_5	R_6
175	β-OH	β-OH	β-OAc	O	H	Me
176	O	β-OH	H	α-OH	H	Me
177	O	O	β-OAc	O	H	Me
178	O	β-OH	H	O	H	Et
179	O	β-OH	H	O	H	Bu
180	β-OH	β-OH	H	O	H	Bu
181	O	β-OH	β-OH	O	H	Bu
182	β-OH	β-OH	β-OAc	O	H	Bu
183	O	β-OH	H	α-OH	H	Bu
184	O	O	β-OAc	O	H	Bu
185	β-OH	O	β-OAc	O	H	Bu
186	O	OH	H	O	ξ-OH	H
187	O	O	α-OAc	O	OH	H
188	α-OH	O	α-OAc	O	OH	H
189	O	O	H	O	OH	H
190	α-OH	α-OH	H	O	H	H
191	α-OH	α-OH	α-OAc	O	OH	H
192	O	β-OH	H	α-OH	H	H
193	O	O	β-OAc	O	H	H
194	β-OH	O	β-OAc	O	H	H
195	β-OH	β-OH	H	O	H	H
196	β-OH	O	β-OAc	O	H	Me
197	O	O	α-OH	O	H	Me
198	β-OH	O	β-OH	O	H	Me
199	β-OH	α-OH	H	α-OH	H	Me

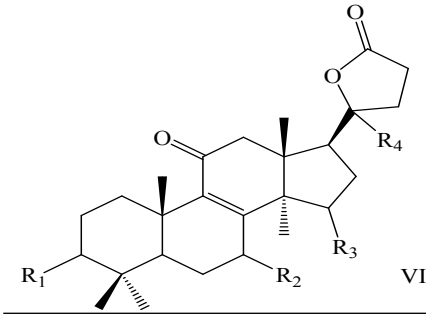


V

NO	R_1	R_2	R_3
200	OH	O	OH
201	β-OH	β-OH	O
202	O	β-OH	O
203	β-OH	β-OH	α-OH
204	β-OH	O	O
205	β-OH	O	α-OH
206	O	β-OH	α-OH
207	O	H	α-OH
208	O	O	O

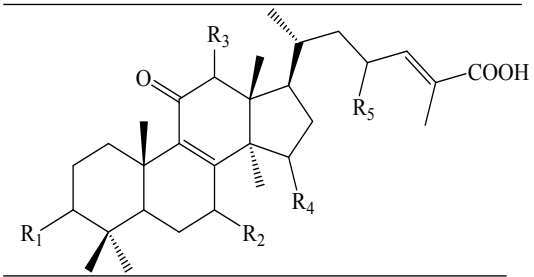


NO	R
209	O
210	OH

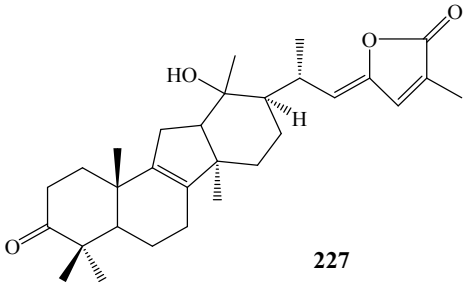


VII

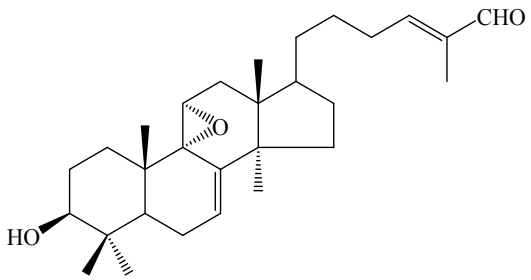
NO	R_1	R_2	R_3	R_4
211	OH	OH	OH	CH_2OH
212	O	OH	O	Me
213	β-OH	β-OH	O	Me
214	O	β-OH	O	Me
215	O	α-OH	O	Me



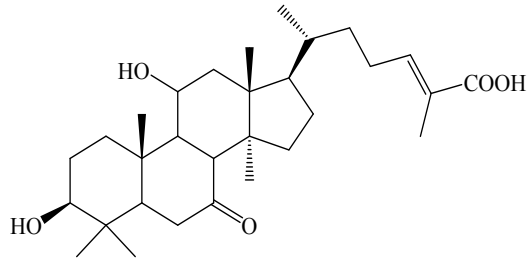
NO	R_1	R_2	R_3	R_4	R_5
216	β-OH	H	β-OAc	α-OAc	H
217	O	β-OH	H	O	OH
218	O	β-OH	H	α-OH	β-OH
219	O	α-OH	H	α-OH	β-OH
220	β-OH	β-OH	H	O	β-OH
221	β-OH	O	H	O	β-OH
222	β-OH	β-OH	β-OH	O	β-OH
223	β-OH	O	β-OH	O	β-OH
224	O	H	H	α-OH	β-OH
225	O	H	H	α-OH	H
226	β-OH	H	H	α-OH	OH



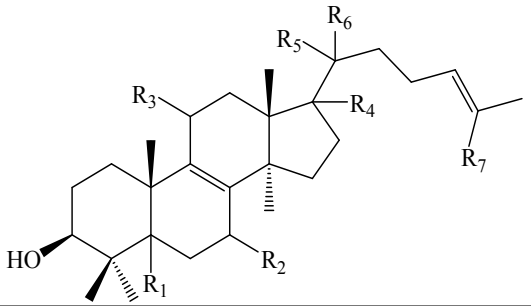
227



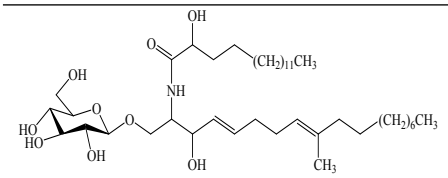
228



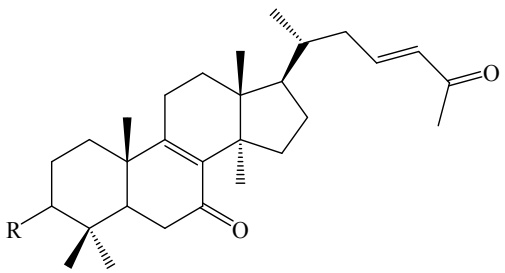
229



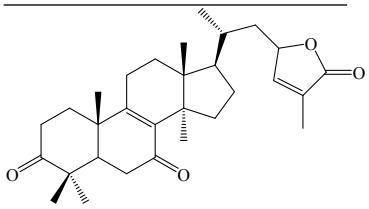
NO	R_1	R_2	R_3	R_4	R_5	R_6	R_7
230	β-H	α-OH	O	β-H	α-CH_3	β-H	CH_3
231	α-H	β-OH	O	α-H	β-CH_3	β-OH	COOH
232	β-H	β-OH	O	β-H	α-CH_3	β-H	COOH
233	α-H	O	H	α-H	α-CH_3	β-H	COOH



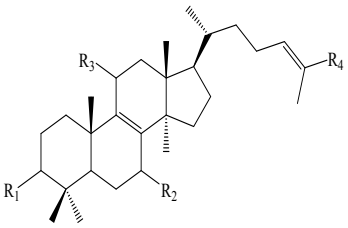
234



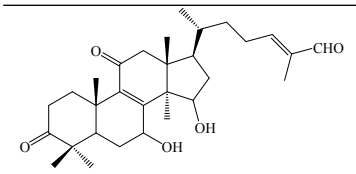
NO	R
235	O
236	OH



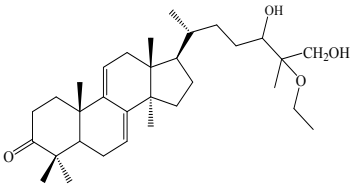
237



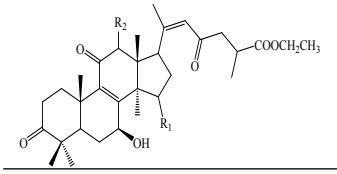
NO	R_1	R_2	R_3	R_4
238	OH	O	OH	CHO
239	OAc	OH	O	CHO
240	OAc	O	H	CHO
241	OAc	O	H	CH_2OH
242	O	α-OH	H	CHO
243	β-OH	O	H	CHO
244	O	O	O	CHO



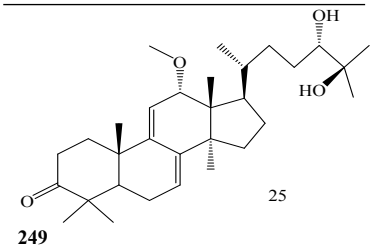
245



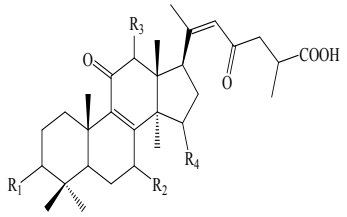
246



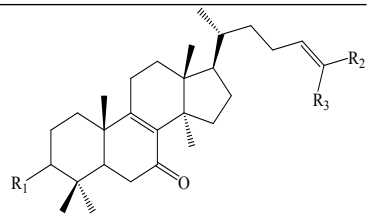
NO	R_1	R_2
247	OH	OAc
248	O	H



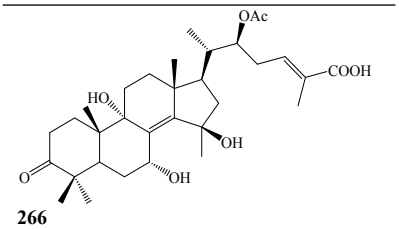
249



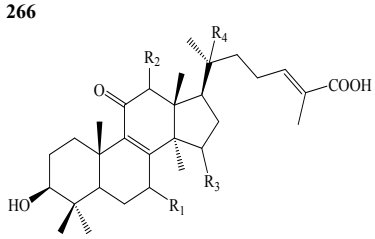
NO	R_1	R_2	R_3	R_4
250	O	β-OH	β-OAc	O
251	O	O	OH	O
252	O	β-OH	H	α-OH
253	β-OH	β-OH	H	O
254	β-OH	β-OH	H	α-OH
255	O	β-OH	H	O
256	O	β-OH	β-OH	O
257	O	O	H	O
258	O	O	H	α-OH
259	β-OH	O	H	O
260	β-OH	O	H	α-OH
261	β-OH	β-OH	β-OAc	O
262	O	O	α-OH	β-OH



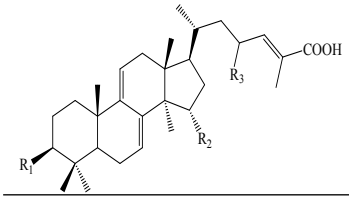
NO	R_1	R_2	R_3
263	O	COOH	Me
264	O	CH2OH	CH2OH
265	β-OH	CH2OH	Me



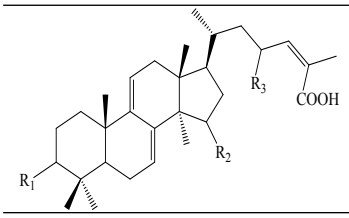
266



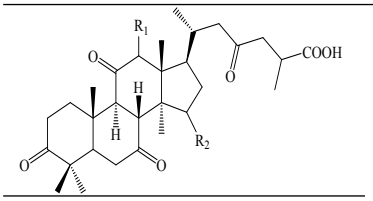
NO	R_1	R_2	R_3	R_4
267	β-OH	β-OAc	O	H
268	O	H	O	OH



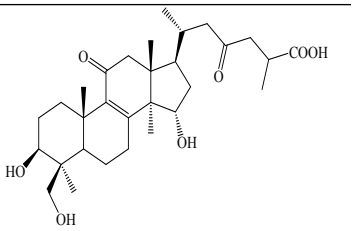
NO	R_1	R_2	R_3
269	O	OH	OH
270	α-OAc	OH	O
271	α-OH	OAc	O
272	α-OAc	OAc	O



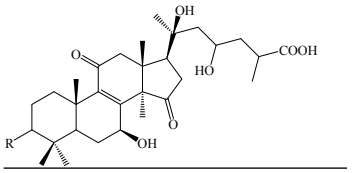
NO	R_1	R_2	R_3
273	O	H	H
274	O	α-OH	H
275	OH	H	OH



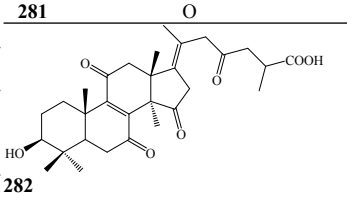
NO	R_1	R_2
276	H	O
277	H	α-OH
278	O	O



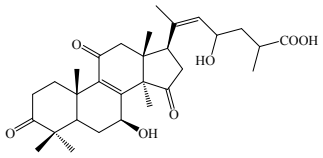
279



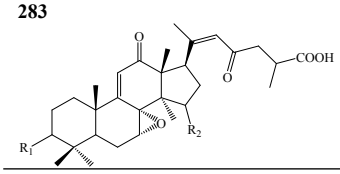
NO	R
280	β-OH
281	O



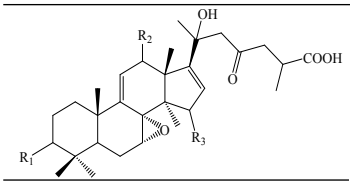
282



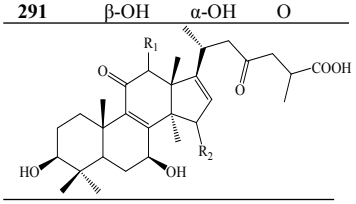
283



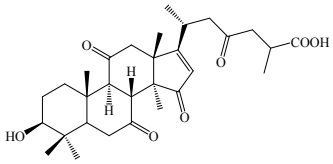
NO	R_1	R_2
284	O	α-OH
285	β-OH	O
286	O	β-OH
287	O	O



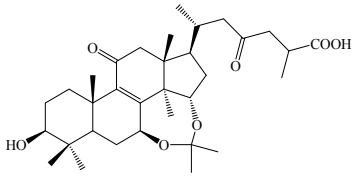
NO	R_1	R_2	R_3
288	O	O	O
289	β-OH	O	O
290	O	O	β-OH
291	β-OH	α-OH	O



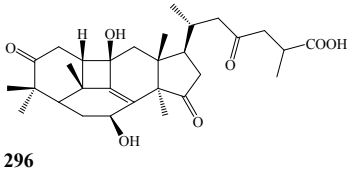
NO	R_1	R_2
292	H	O
293	H	β-OH



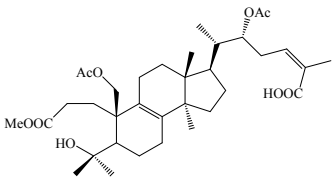
294



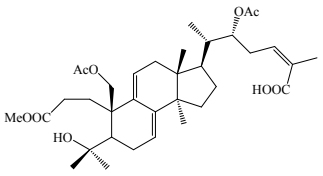
295



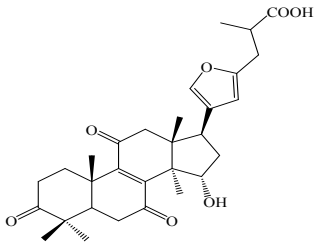
296



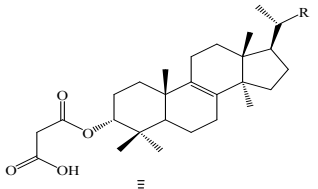
297



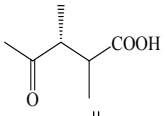
298



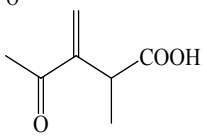
299



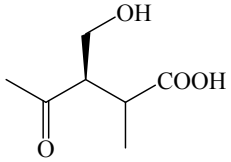
300 R=

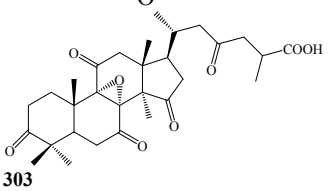


301 R=

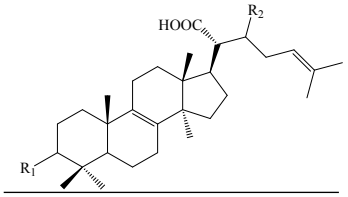


302 R=

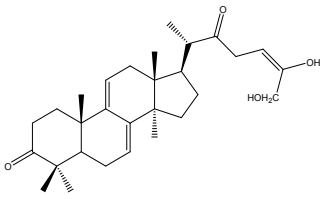




303

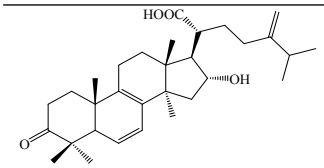


NO	R_1	R_2
304	α-OAc	H
305	α-OAc	O
306	β-OH	H
307	O	H

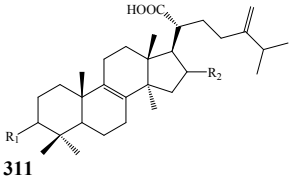


Chemical Formula: $C_{29}H_{42}O_4$

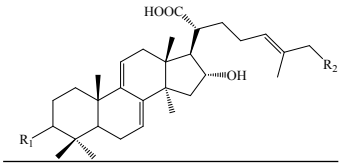
NO	R_1	R_2
308	α-OH	Me
309	H	OH



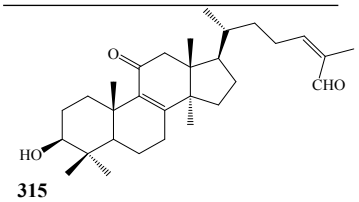
310



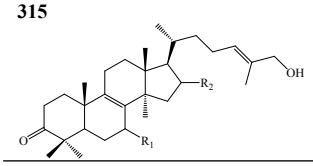
311



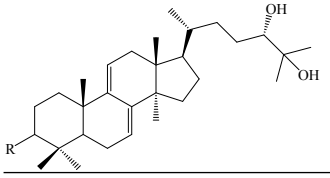
NO	R_1	R_2
312	α-OH	H
313	α-OH	OH
314	O	H



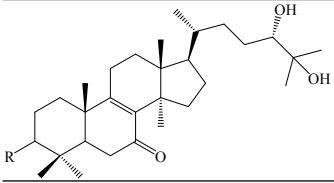
315



NO	R_1	R_2
316	O	H
317	H	α-OH

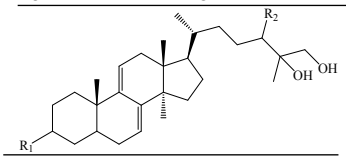


NO	R
318	O
319	β-OH

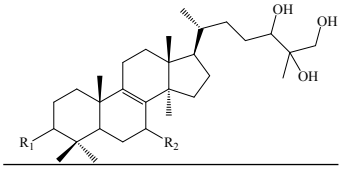


NO	R

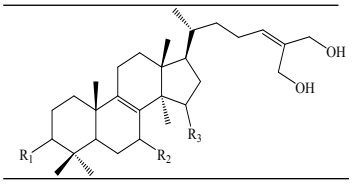
NO	R
320	β-OH
321	O



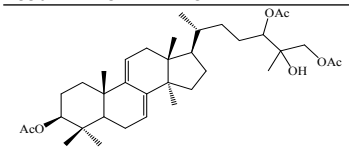
NO	R_1	R_2
322	O	α-OH
323	β-OH	OH



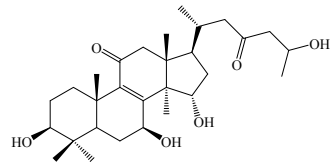
NO	R_1	R_2
324	O	α-OEt
325	O	O
326	O	α-OMe
327	β-OH	O



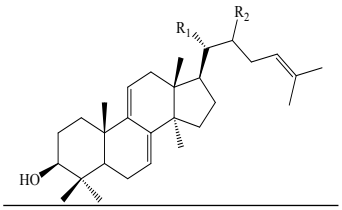
NO	R_1	R_2	R_3
328	β-OH	O	H
329	O	α-OMe	α-OH
330	O	O	H



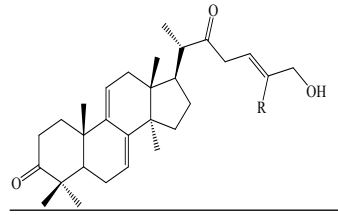
331



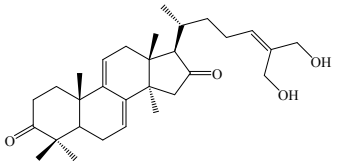
332



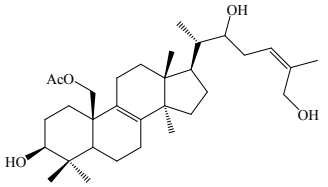
NO	R_1	R_2
333	CH_2OH	H
334	Me	α-OH



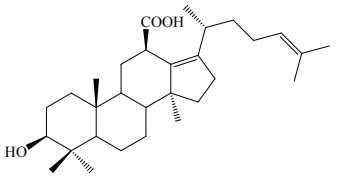
NO	R
335	Me
336	CH_2OH



337



338



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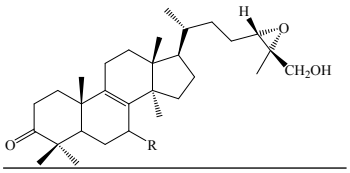
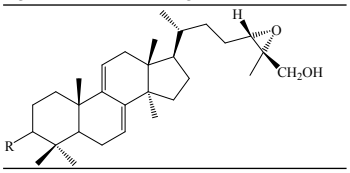
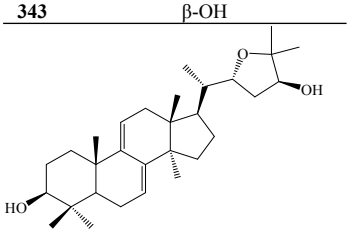


NO	R
340	α-OH
341	O



NO	R
342	O
343	β-OH



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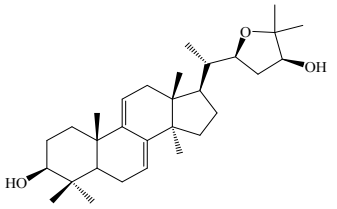

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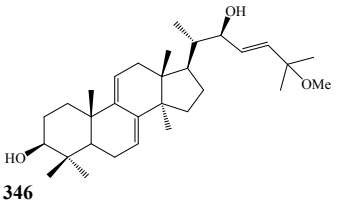

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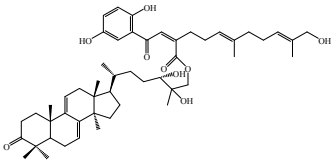

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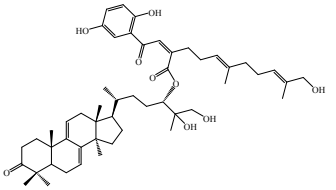
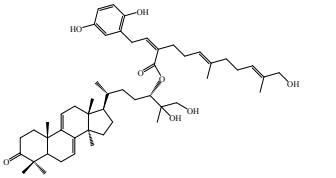
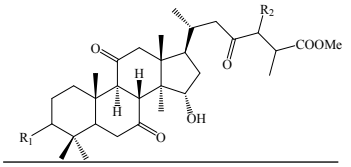


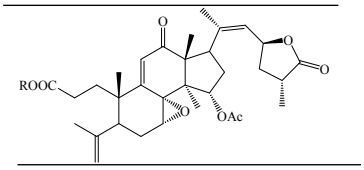
348



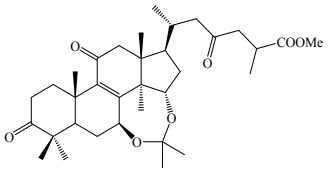
349



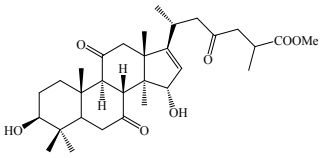
NO	R_1	R_2
350	O	H
351	β-OH	β-OH



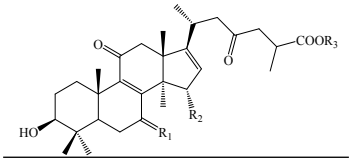
NO	R
352	H
353	Me



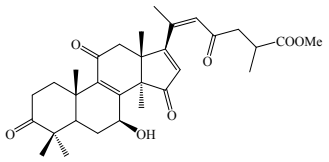
354



355



NO	R_1	R_2	R_3
356	β-OH	β-OH	Me
357	O	β-OH	Me
358	β-OH	O	Me



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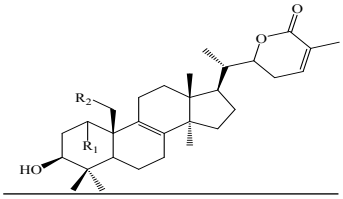
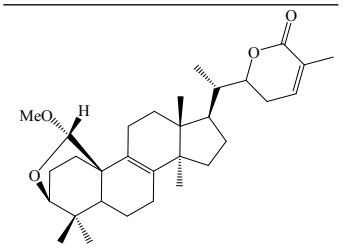
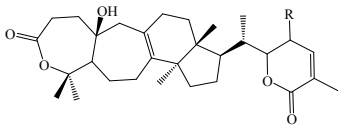


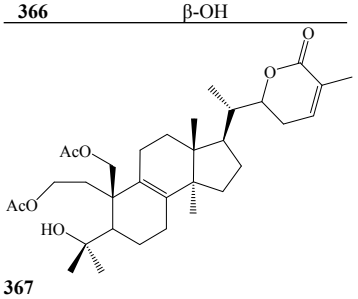
NO	R_1	R_2
360	H	H
361	β-OH	H
362	H	OAc
363	H	OH



364



NO	R
365	H
366	β-OH



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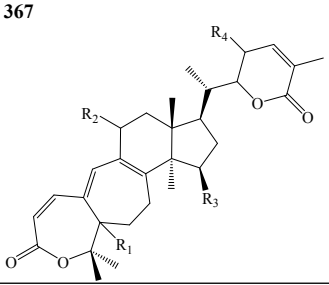
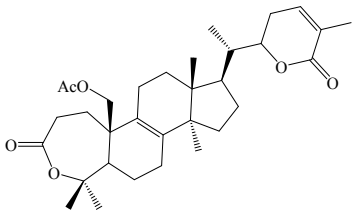
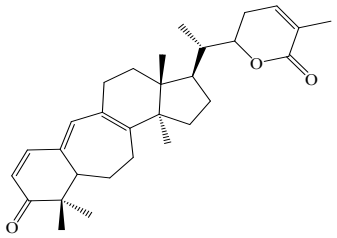


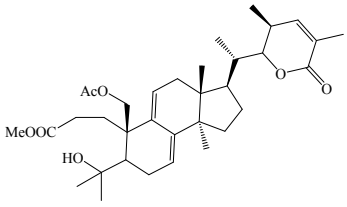
NO	R_1	R_2	R_3	R_4
368	H	H	OAc	β-OH
369	H	H	OH	H
370	H	H	OAc	H
371	H	β-OH	OAc	H
372	H	H	H	H
373	OH	H	OAc	H



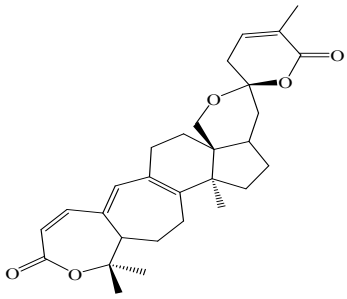
374



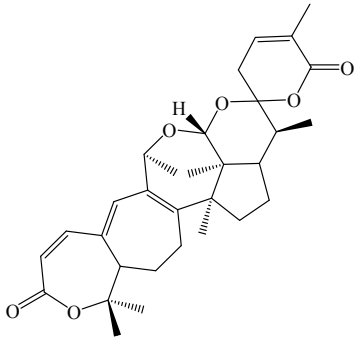
375



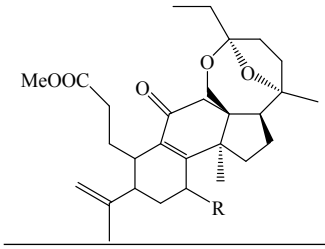
376



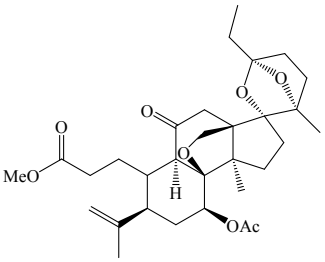
377



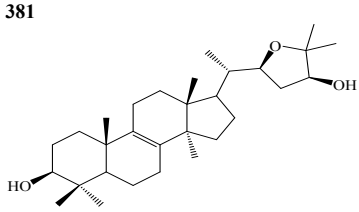
378



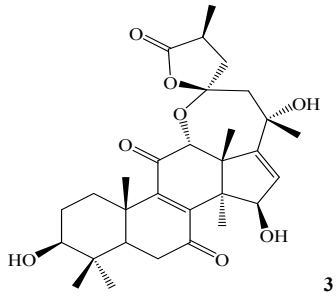
NO	R
379	β-OAc
380	O



381

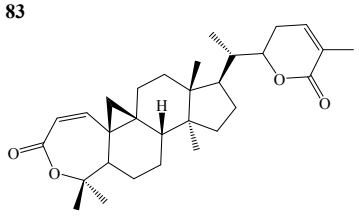


382



83

3



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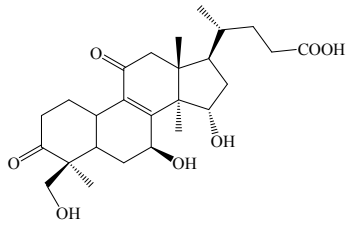

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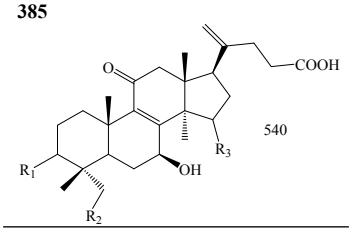
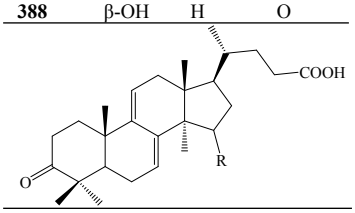
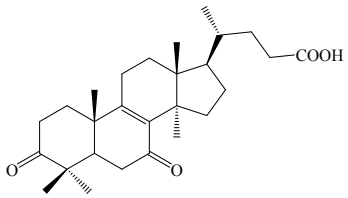


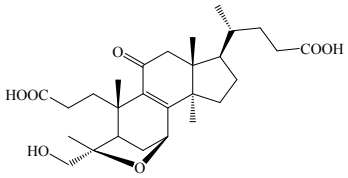
NO	R_1	R_2	R_3
386	β-OH	OH	α-OH
387	O	H	O
388	β-OH	H	O



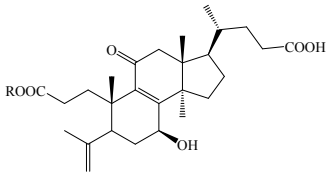
NO	R
389	α-OH
390	H



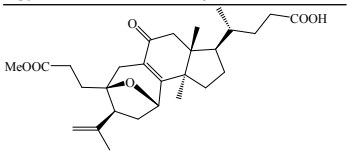
391



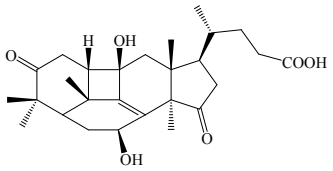
392



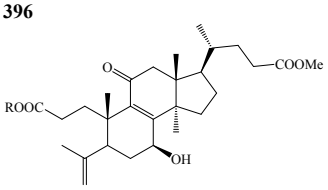
NO	R
393	H
394	Me



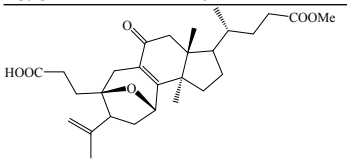
395



396



NO	R
397	H
398	Me



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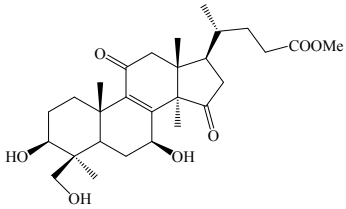

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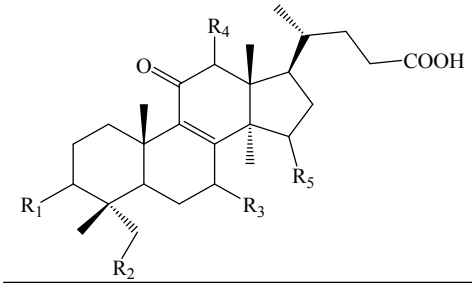
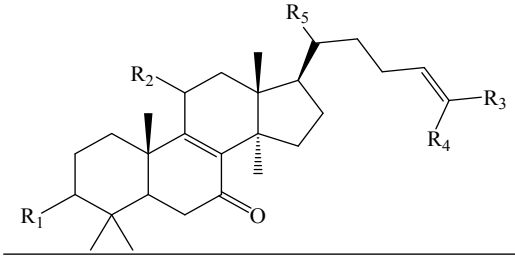
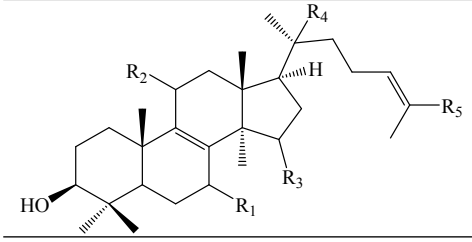


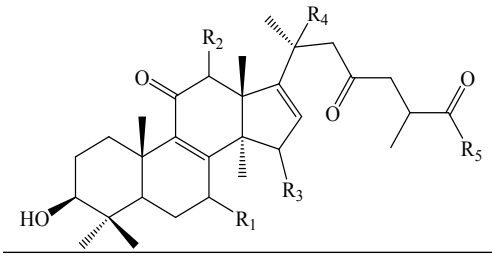
NO	R_1	R_2	R_3	R_4	R_5
401	β-OH	OH	β-OH	H	O
402	β-OH	OH	O	H	O
403	β-OH	OH	O	β-OH	O
404	O	H	O	α-OH	O
405	β-OH	H	O	β-OH	O
406	β-OH	H	α-OH	H	α-OH



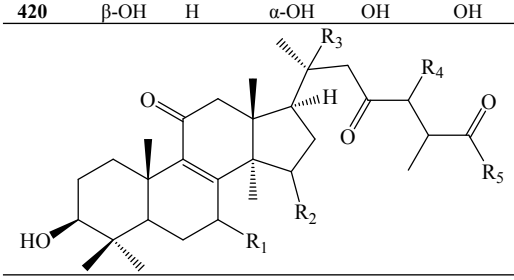
NO	R_1	R_2	R_3	R_4	R_5
407	O	H	CH_2OH	Me	CH_2OH
408	O	α-OH	CHO	Me	Me
409	β-OH	α-OH	CH_2OH	Me	Me
410	O	H	CH_2OH	CH_2OH	Me



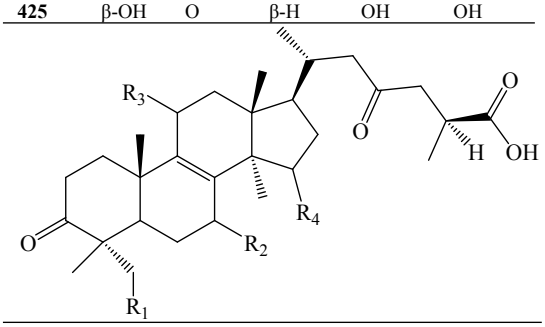
NO	R_1	R_2	R_3	R_4	R_5
411	H	O	H	β-H	COOH
412	H	O	H	β-H	CH2OH
413	H	O	α-OH	β-H	COOH
414	O	α-OH	H	β-H	COOH
415	O	O	α-OH	OH	COOH



NO	R_1	R_2	R_3	R_4	R_5
416	O	H	O	β-H	OMe
417	O	β-OH	O	β-H	OH
418	β-OH	H	O	OH	OH
419	β-OH	H	α-OH	β-H	OMe
420	β-OH	H	α-OH	OH	OH

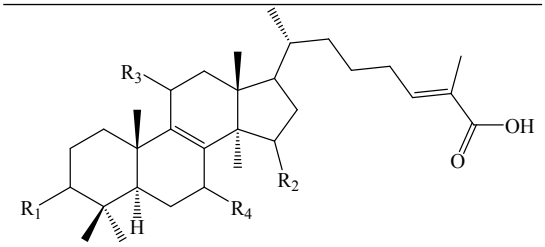


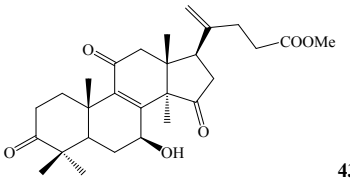
NO	R_1	R_2	R_3	R_4	R_5
421	β-OH	O	β-H	OH	OMe
422	O	O	OH	H	OMe
423	O	O	β-H	OH	OMe
424	β-OH	α-OH	β-H	OH	OMe
425	β-OH	O	β-H	OH	OH



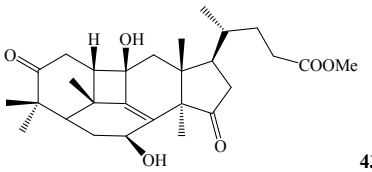
NO	R1	R2	R3	R4
426	OAc	O	H	β-OH
427	OAc	O	O	β-OH
428	OH	O	O	β-OH

NO	R1	R2	R3	R4
429	OH	O	H	H
430	H	O	H	β-OH
431	OH	O	H	β-OH





435



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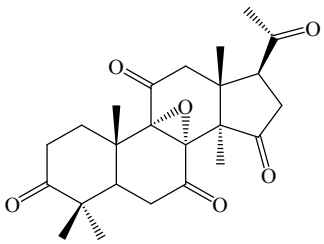
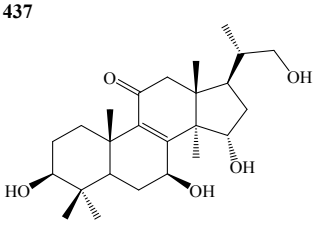
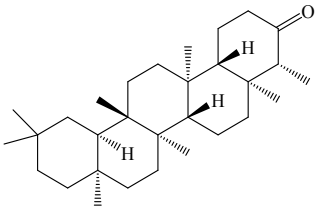


437



438



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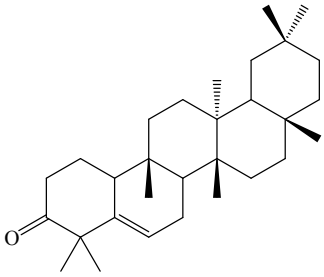
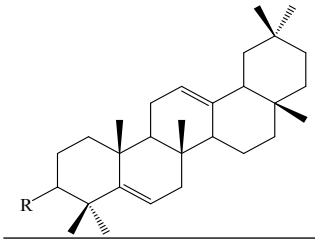
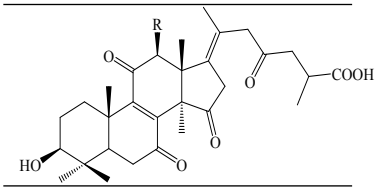


440

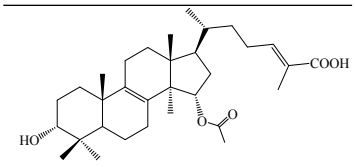
NO	R1	R2	R3	R4
432	OH	O	O	OH
433	O	α–OH	O	OH
434	O	β–OH	O	OH



NO	R
441	O
442	β-OAc



NO	R
443	H
444	β-OAc



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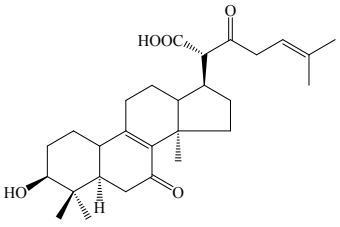

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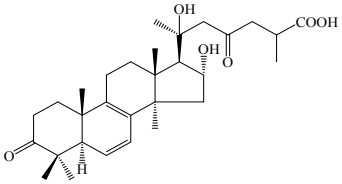

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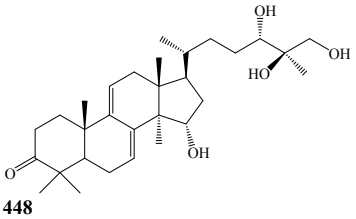

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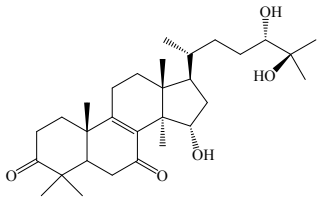

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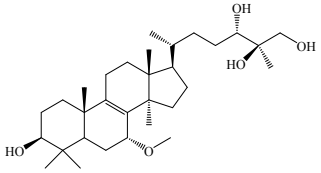
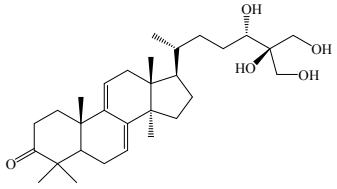


450



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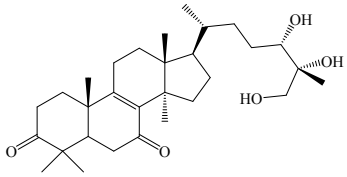

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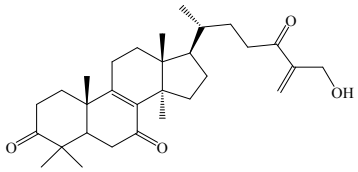

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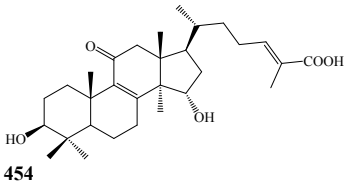

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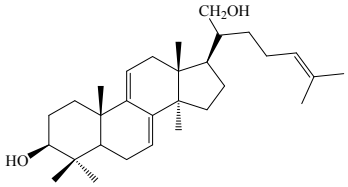

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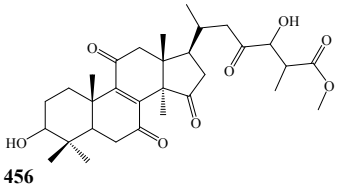

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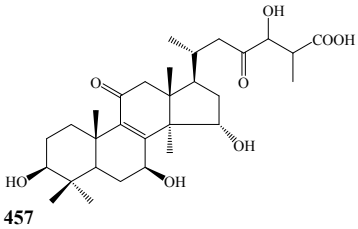

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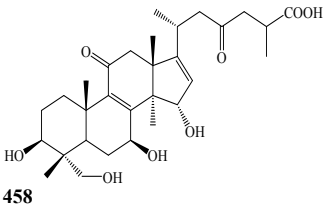

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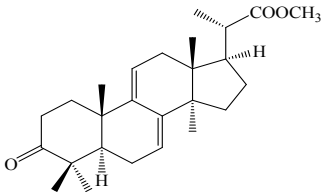
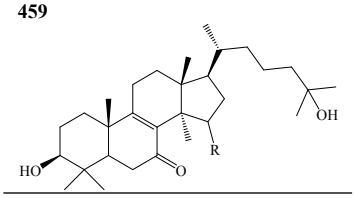
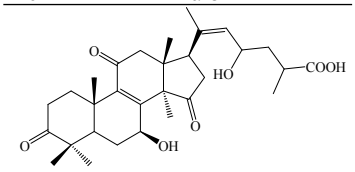


459



NO	R
460	O
461	α-OH



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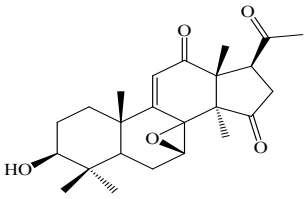

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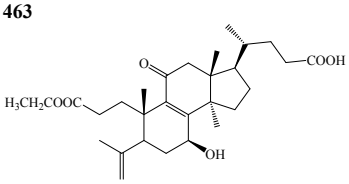

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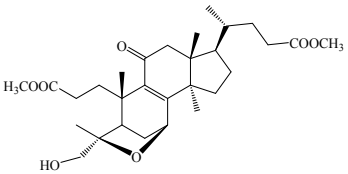

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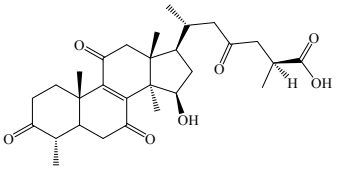

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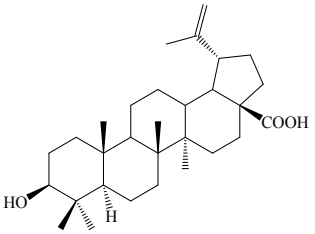

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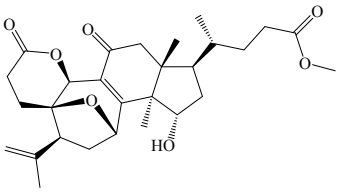

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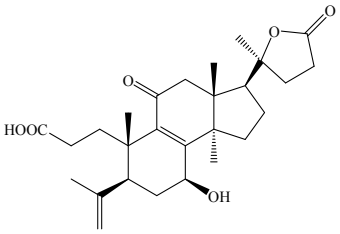

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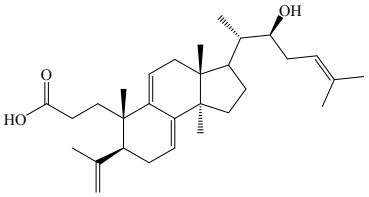

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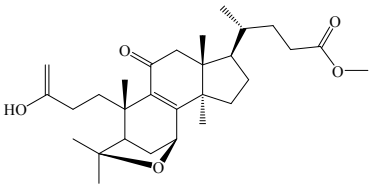
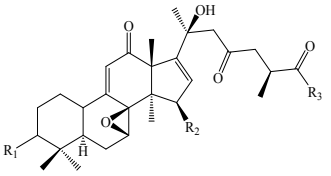
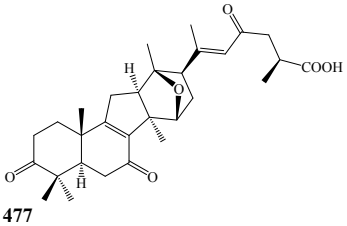


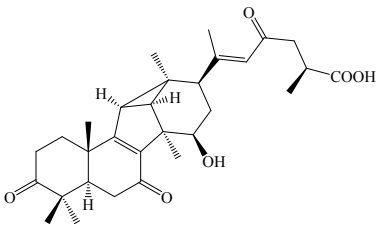
471



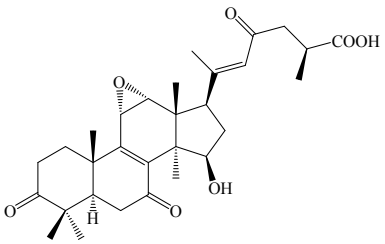
NO	R_1	R_2	R_3
472	O	β-OH	OH
473	O	β-OH	OMe
474	β-OH	β-OH	OMe
475	O	α-OH	OMe
476	O	O	OH



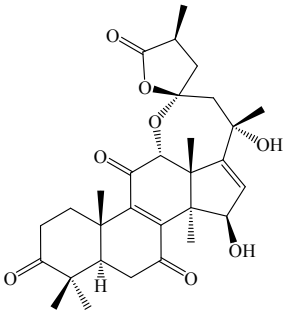
477



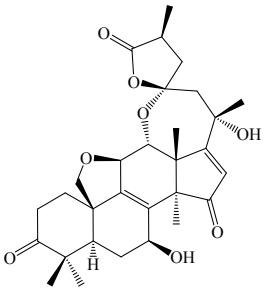
478



479



480



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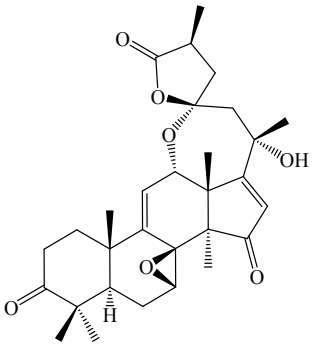
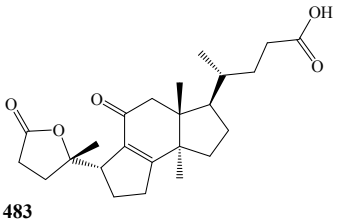


482



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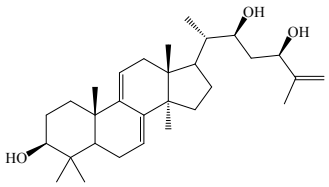

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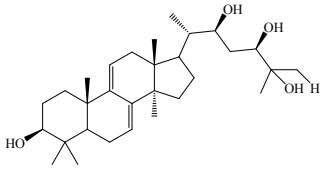

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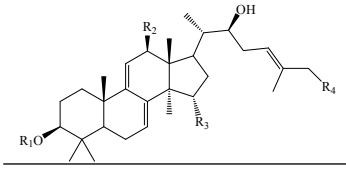
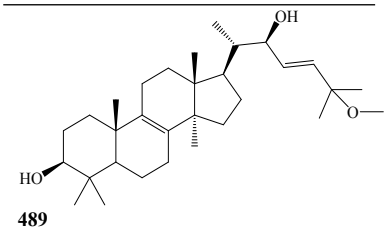


NO	R_1	R_2	R_3	R_4
486	H	H	H	OH
487	H	OMe	H	H
488	Ac	H	OH	H



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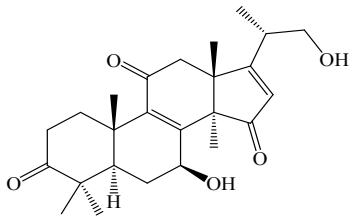
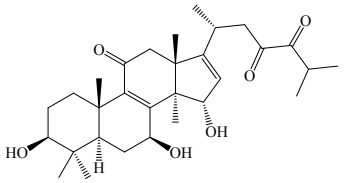


490



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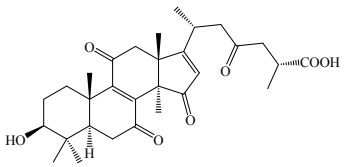

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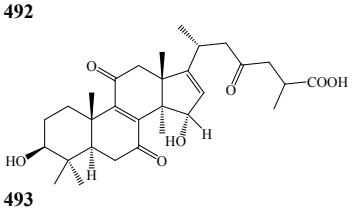

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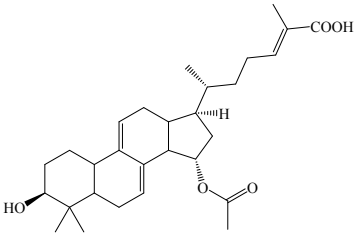
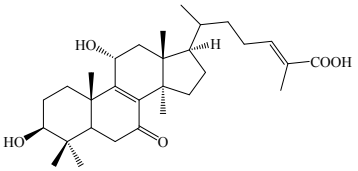


494



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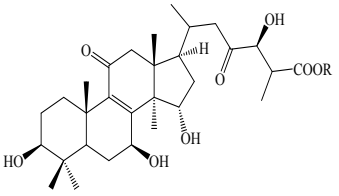
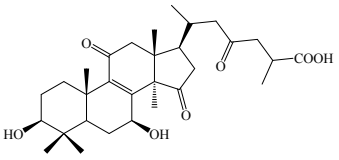
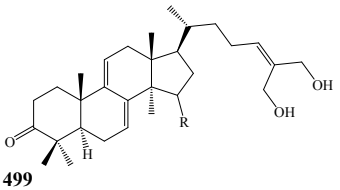


NO	R
496	Me
497	H



498



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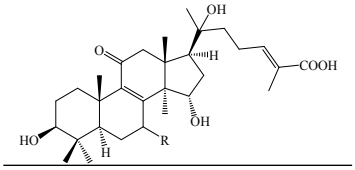
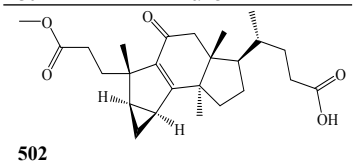
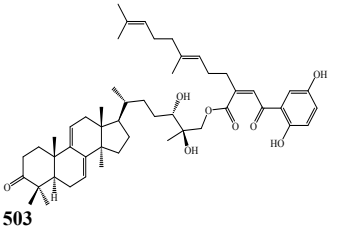


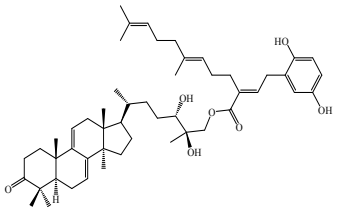
NO	R
500	β–OH
501	α–OH



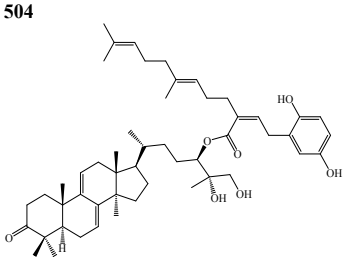
502



503



504



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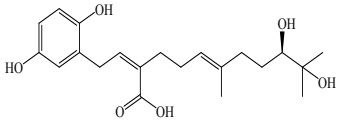
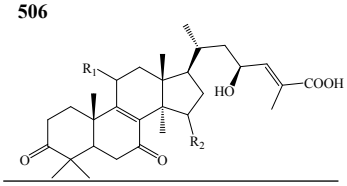
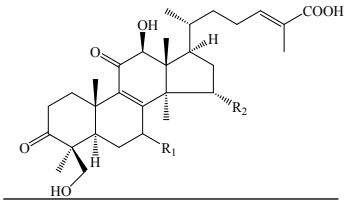


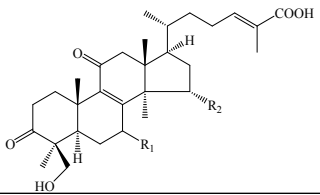
506



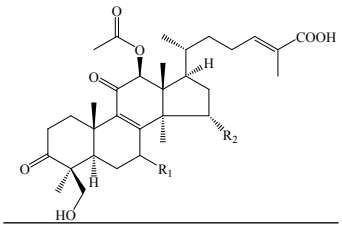
NO	R_1	R_2
507	H	H
508	O	β–OH



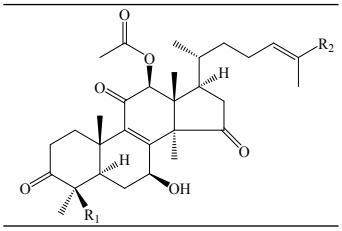
NO	R_1	R_2
509	β–OH	O
510	β–OH	OH
511	α–OH	OH
512	O	OH
513	H	OH



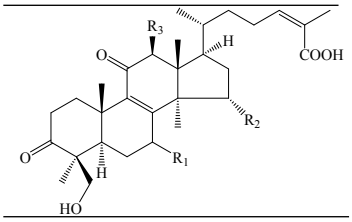
NO	R_1	R_2
514	β–OH	OH
515	O	O
516	H	OH



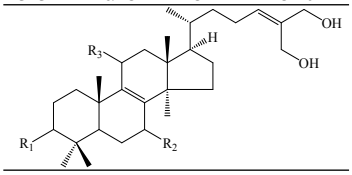
NO	R_1	R_2
517	β–OH	O
518	α–OH	OH
519	O	OH
520	O	O
521	H	OH



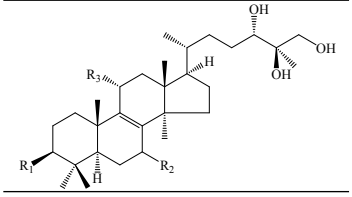
NO	R_1	R_2
522	CHO	COOH
523	CH_2OH	COOMe



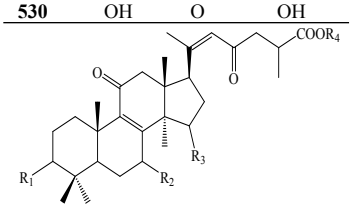
NO	R_1	R_2	R_3
524	O	O	OH
525	α–OH	OH	OAc



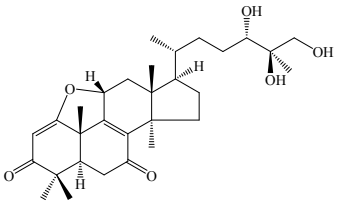
NO	R_1	R_2	R_3
526	O	O	α–OH
527	β-OH	O	α–OH



NO	R_1	R_2	R_3
528	O	O	OH
529	O	β-OH	O
530	OH	O	OH



NO	R_1	R_2	R_3	R_4
531	O	β-OH	β-OH	Me
532	O	O	α-OH	Me
533	O	β-OH	O	Me



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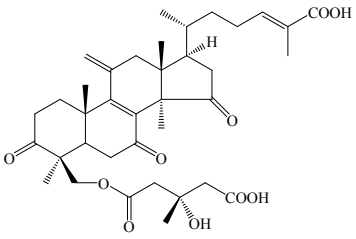

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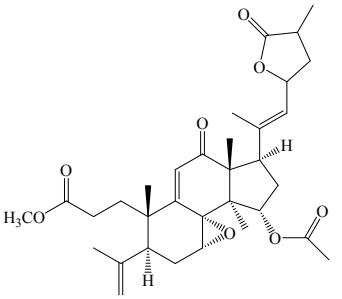

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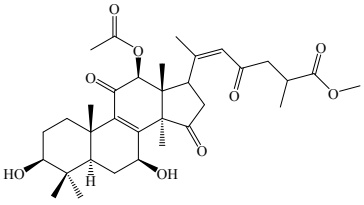

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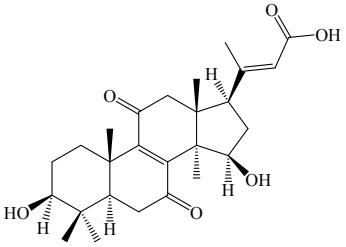

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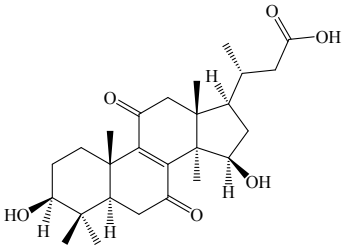

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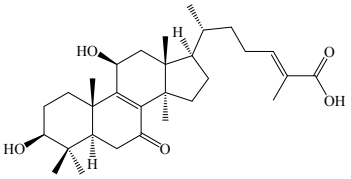

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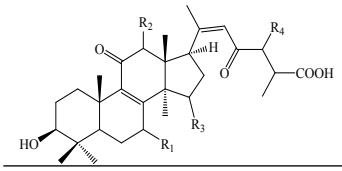
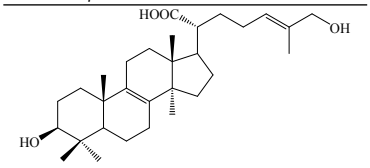


NO	R_1	R_2	R_3	R_4
541	O	H	O	H
542	O	β-OH	O	H
543	β-OH	H	O	OH
544	β-OH	H	α-OH	OH



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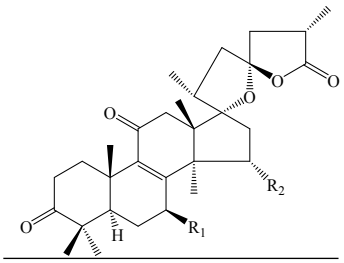
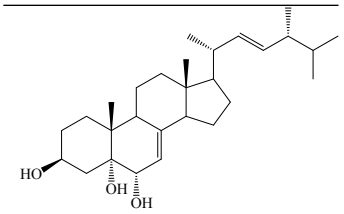


NO	R_1	R_2
546	H	OH
547	OH	OH
548	H	OAc
549	OAc	OH



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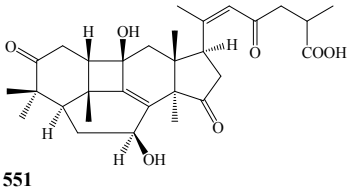

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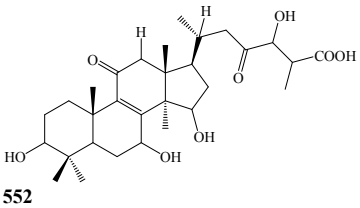

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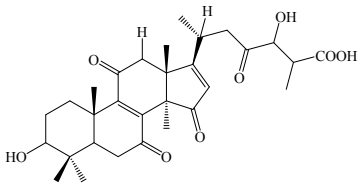
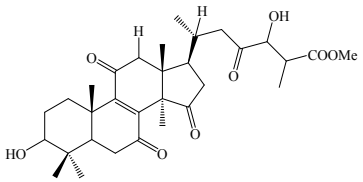
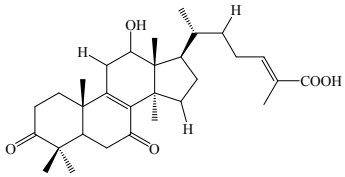


553



554



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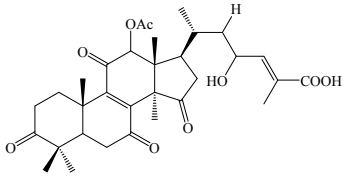

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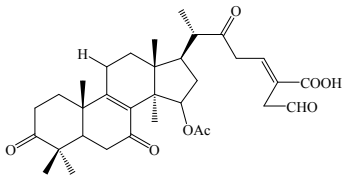

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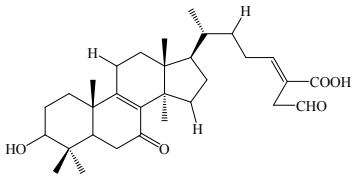

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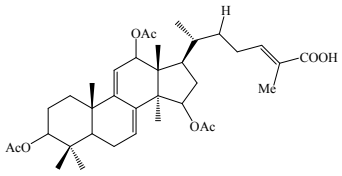

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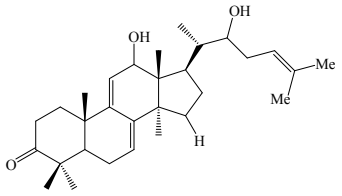

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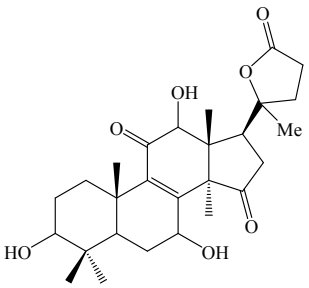

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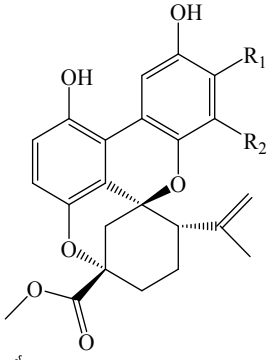
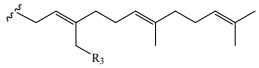
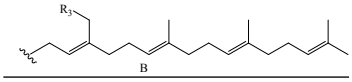


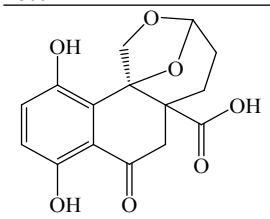


A



B

NO	R_1	R_2	R_3
562	H	A	OAc
563	H	A	H
564	H	B	OH
565	B	H	OH
566	A	H	OAc



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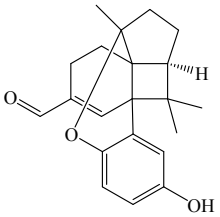

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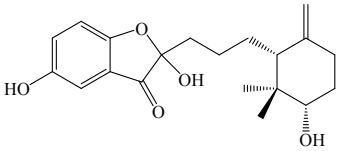

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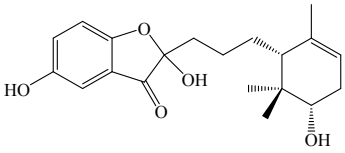

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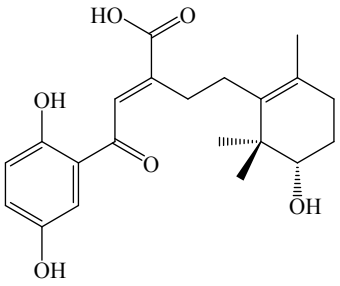

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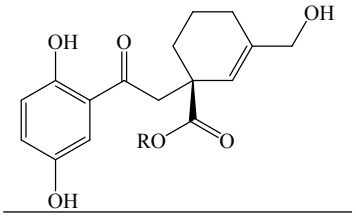
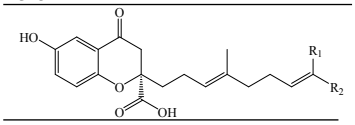
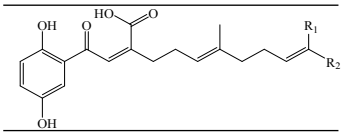


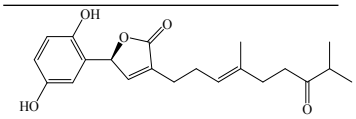
NO	R
572	Me
573	H



NO	R_1	R_2
574	Me	CH_2OH
575	CH_2OH	Me



NO	R_1	R_2
576	Me	CH_2OH
577	CH_2OH	Me
578	Me	CHO
579	Me	Me
580	Me	COOH



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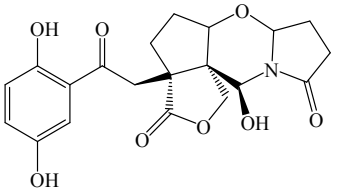

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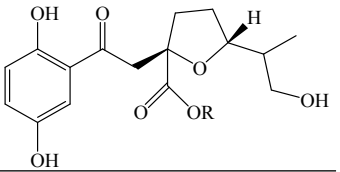
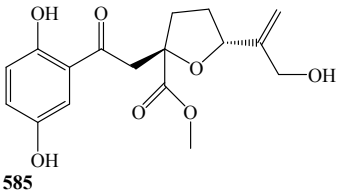


NO	R
583	Me
584	H



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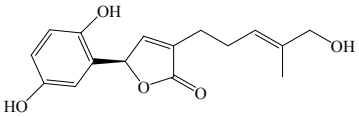

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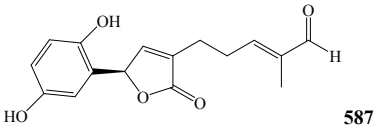

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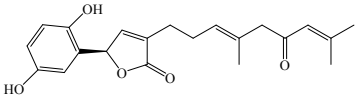

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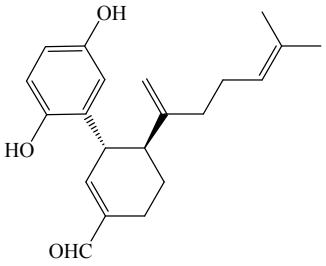

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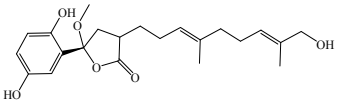

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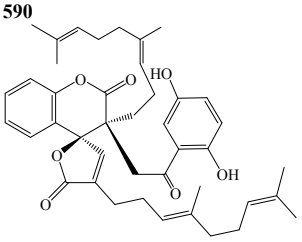

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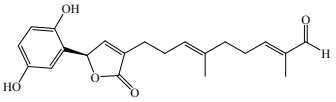

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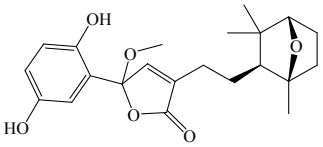

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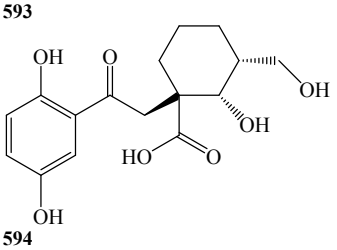

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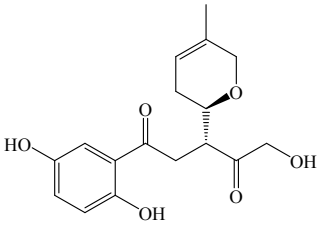

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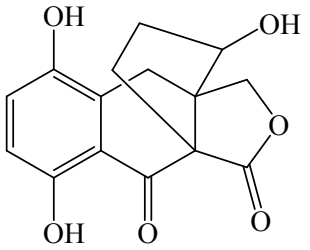

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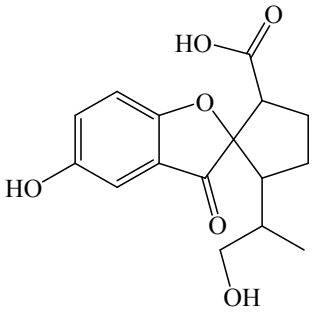

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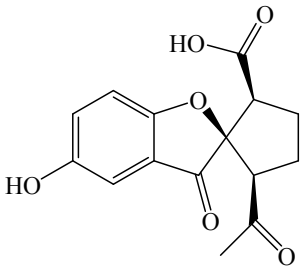

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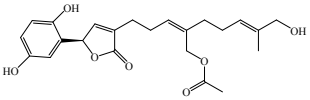

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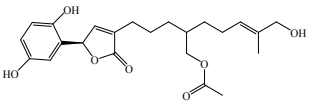

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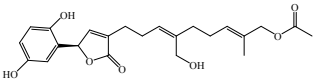

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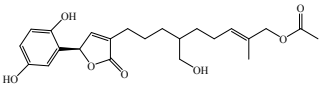

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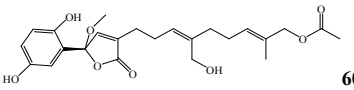

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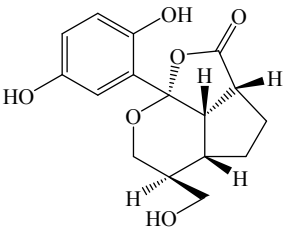

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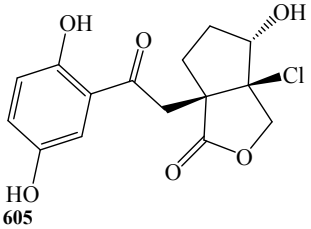

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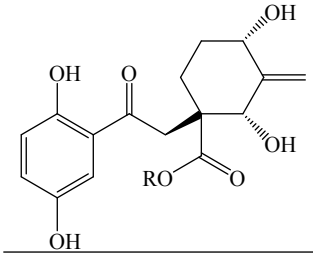
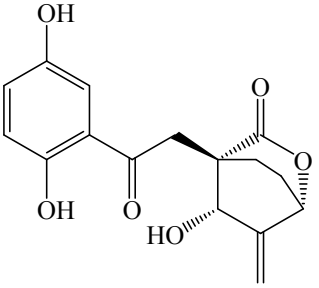


NO	R
606	H
607	Me



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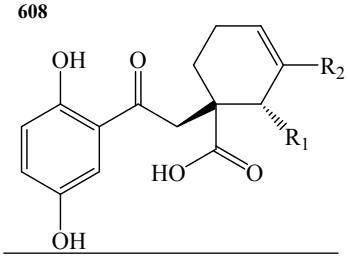
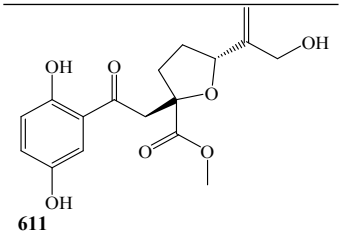


NO	R_1	R_2
609	OH	CH_2OH
610	H	CHO



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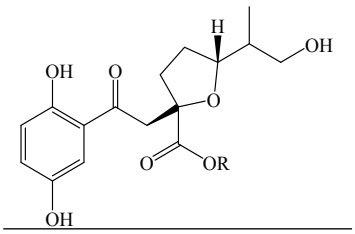
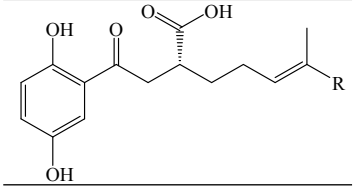
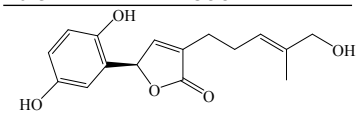


NO	R
612	Me
613	H



NO	R
614	CH_2OH
615	COOH



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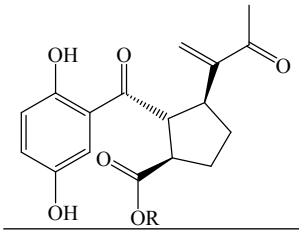
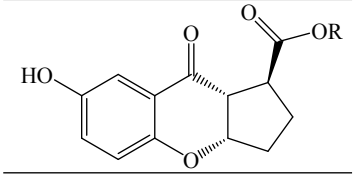
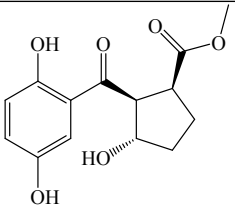


NO	R
617	H
618	Me



NO	R
619	H
620	Me



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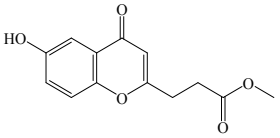

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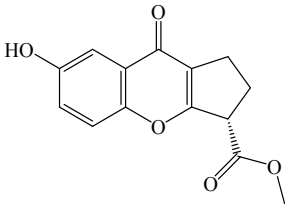

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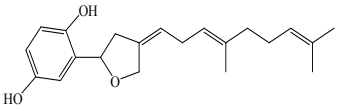

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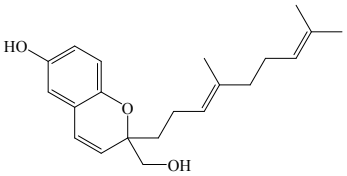

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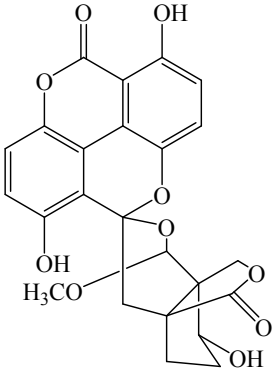

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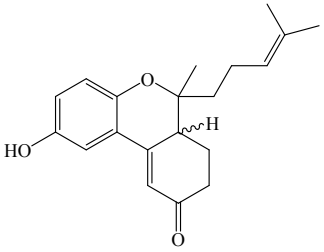

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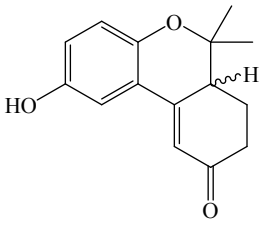

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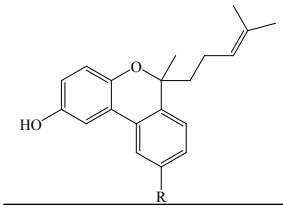
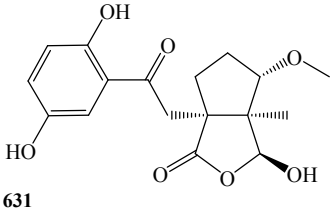


NO	R
629	CHO
630	COOH



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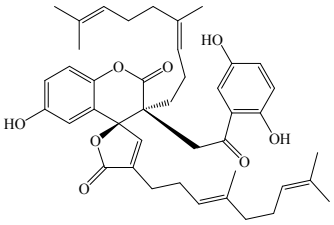

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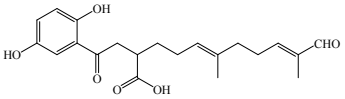

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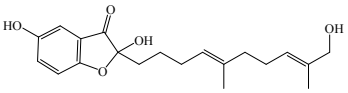

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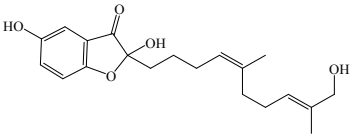

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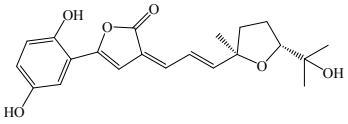

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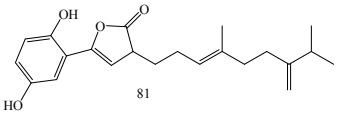

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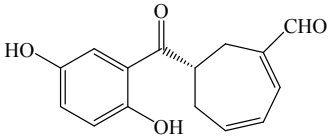

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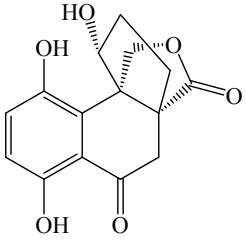

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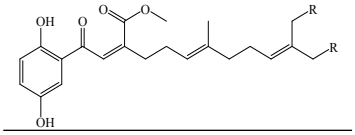
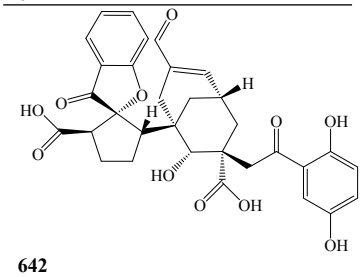


NO	R
640	OH
641	H



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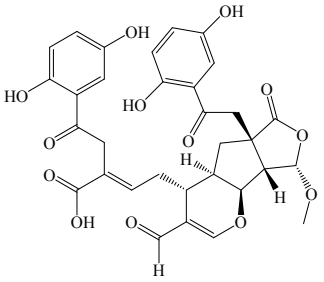

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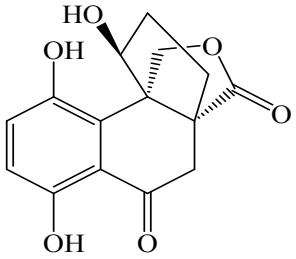

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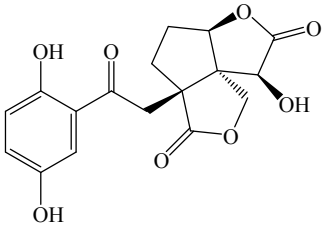

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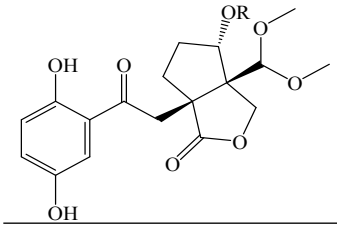
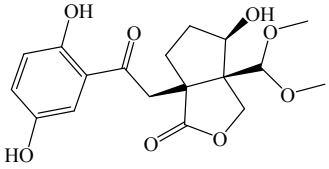


NO	R
646	H
647	Et



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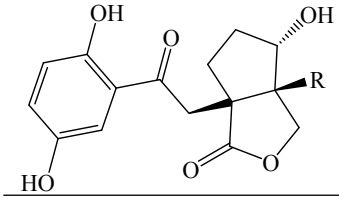
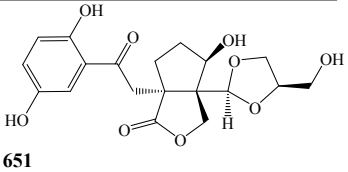


NO	R
649	CH_2OH
650	COOH



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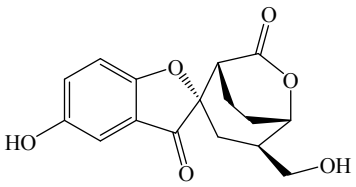

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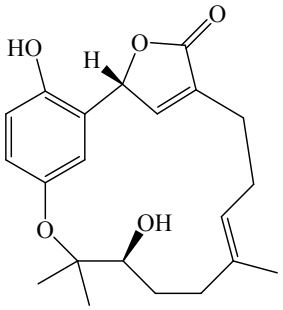

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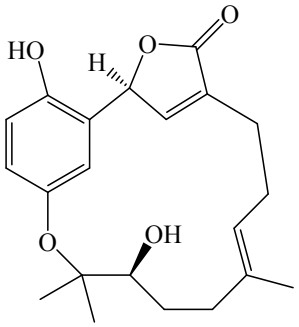

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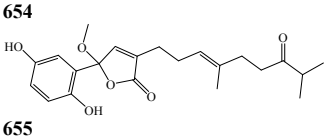

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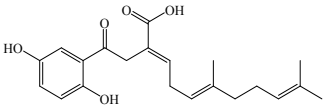

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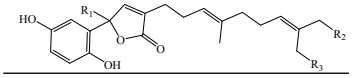
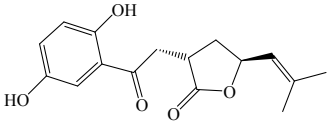


NO	R_1	R_2	R_3
657	OCH_2CH_3	H	OH
658	OCH_2CH_3	OH	H



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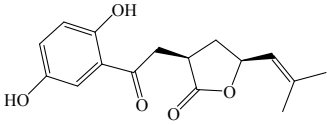

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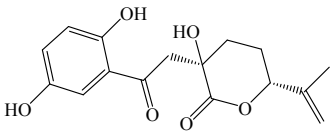

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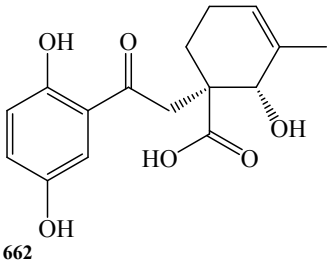

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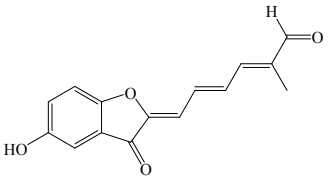

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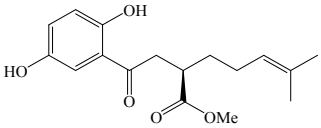
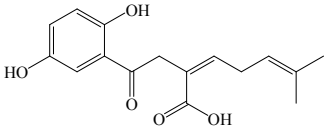


664



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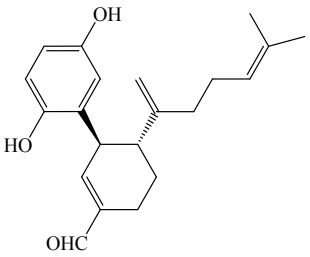

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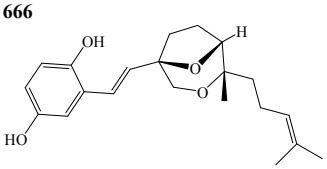

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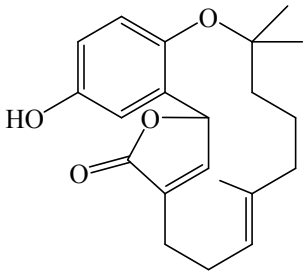

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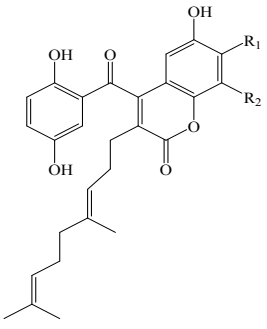
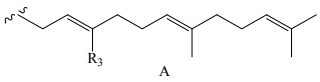
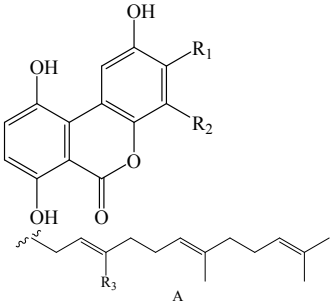


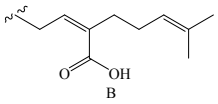


A

NO	R_1	R_2	R_3
669	H	A	CH_2OH
670	A	H	CH_2OH

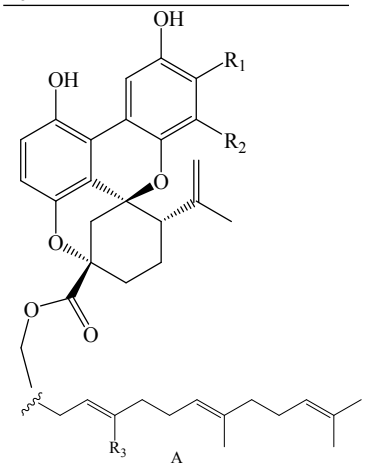


A



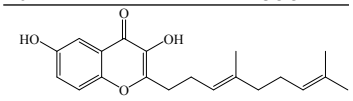
B

NO	R_1	R_2	R_3
671	H	A	COOH
672	H	A	CH_2OH
673	A	H	CH_2OH
674	B	H	---------



A

NO	R_1	R_2	R_3
675	H	A	CH_2OH
676	H	A	COOH
677	A	H	COOH



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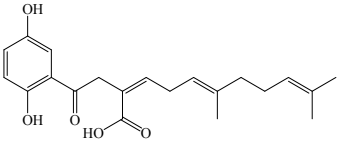

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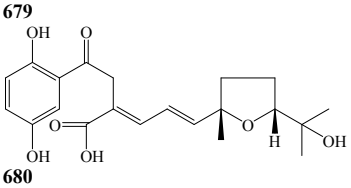

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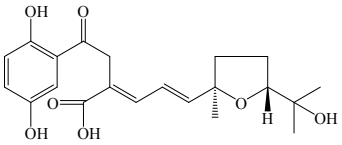

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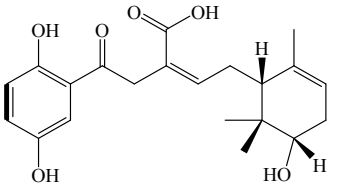

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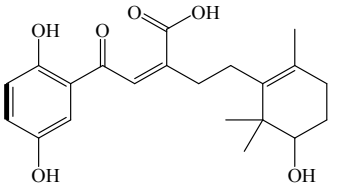

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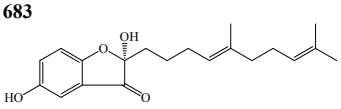

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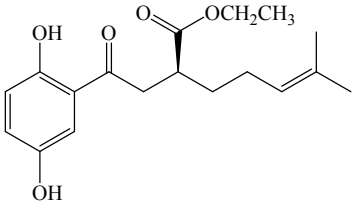

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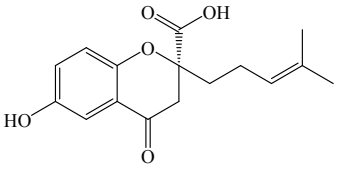

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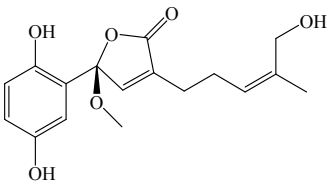

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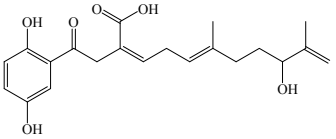

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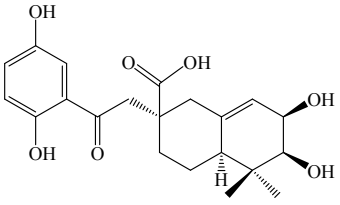

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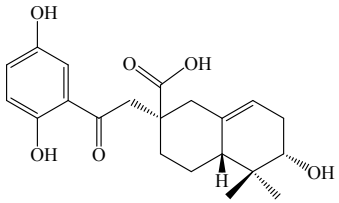

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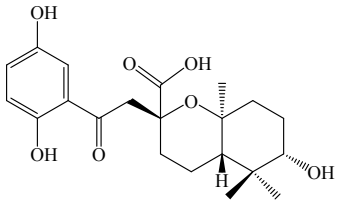

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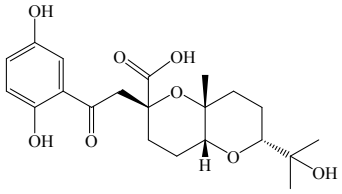

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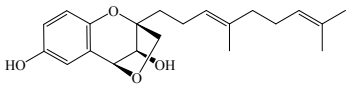

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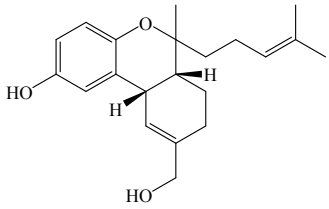

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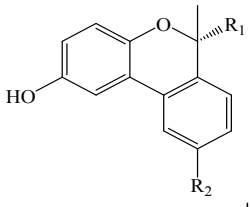
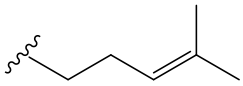


A=



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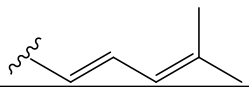
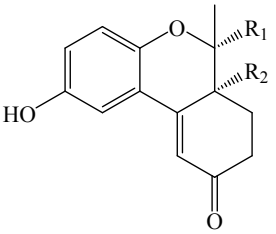


NO	R_1	R_2
695	A	OH
696	B	CHO
697	Me	$COOCH_3$



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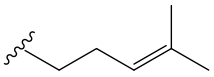
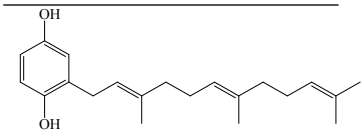


NO	R_1	R_2
698	A	OH
699	Me	OH
700	A	H



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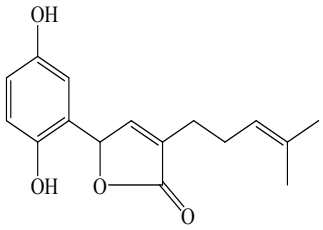

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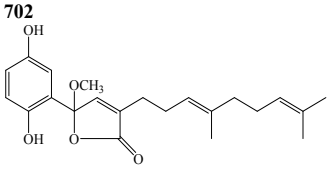

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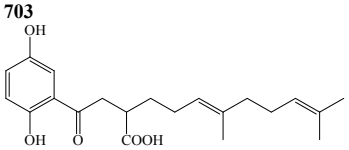

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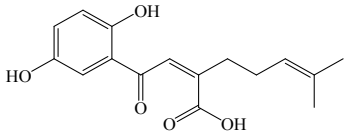

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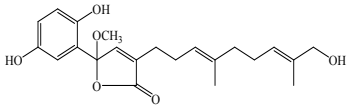

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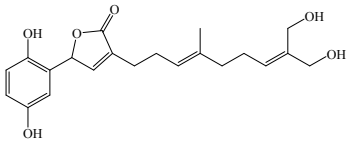

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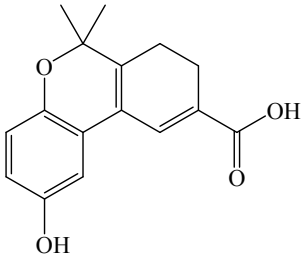

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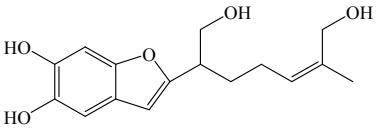

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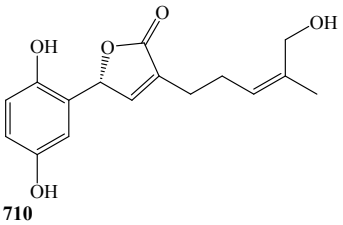

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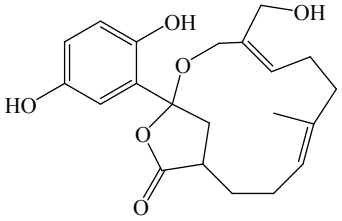

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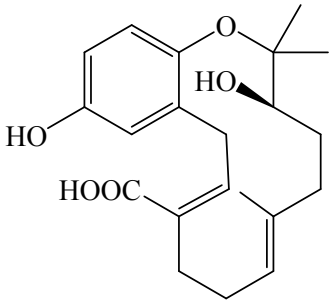

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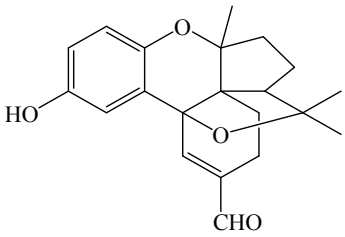

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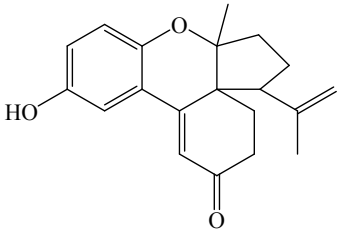

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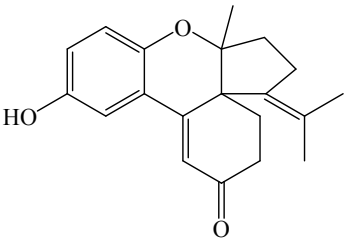

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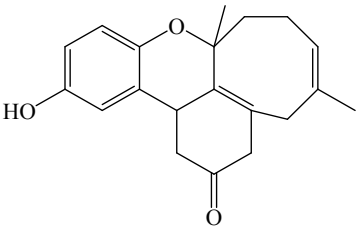

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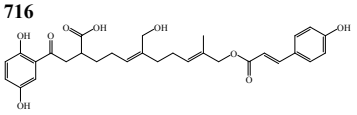

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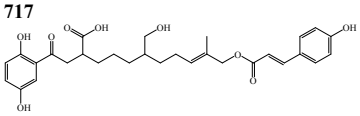

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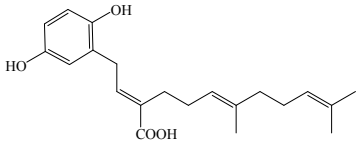

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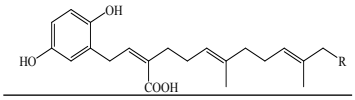
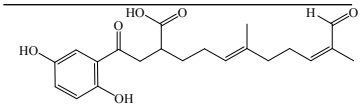


NO	R
720	OH
721	H



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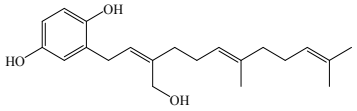

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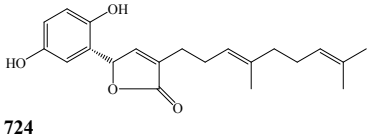

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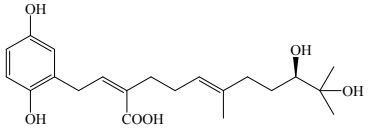

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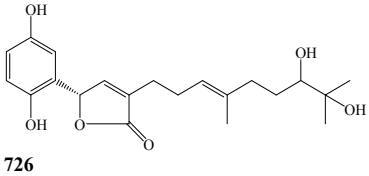

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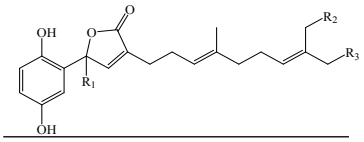
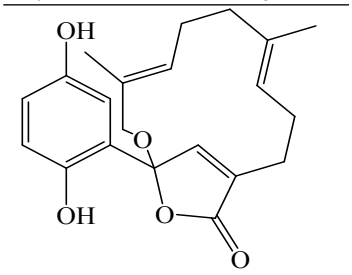


NO	R_1	R_2	R_3
727	H	OH	H
728	OMe	OH	OH
729	H	H	OH



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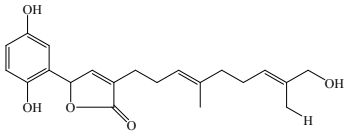

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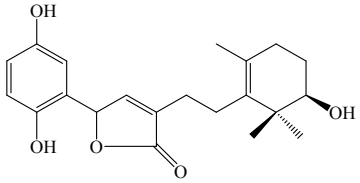

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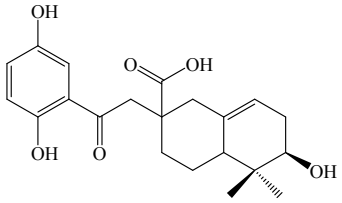

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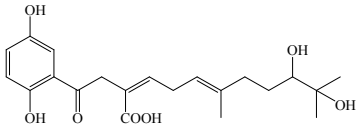

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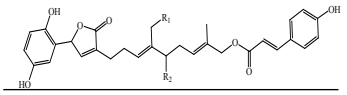
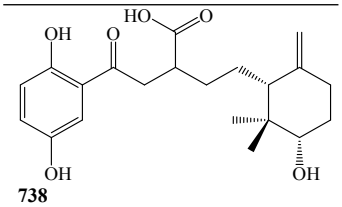


NO	R_1	R_2
735	H	H
736	OH	OH
737	OH	H



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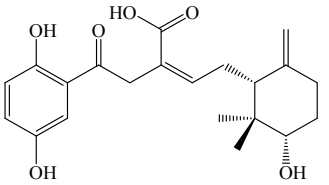

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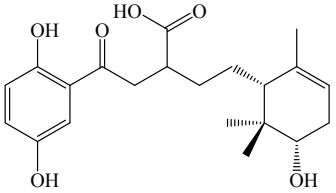

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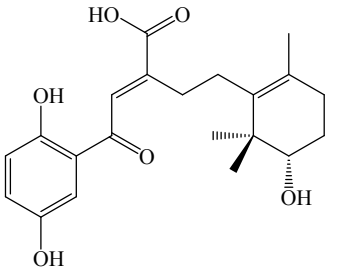

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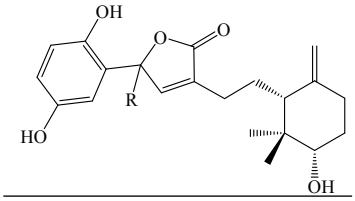
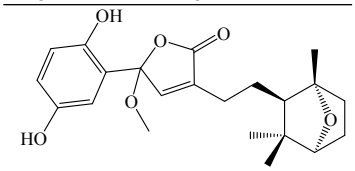


NO	R
742	H
743	OH



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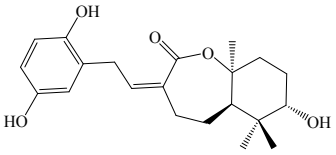

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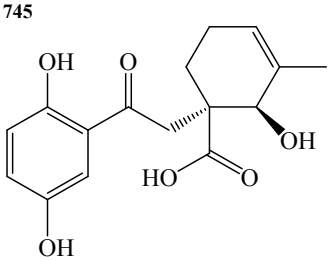

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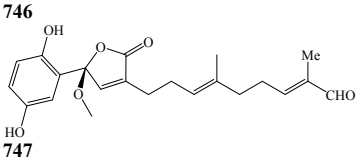

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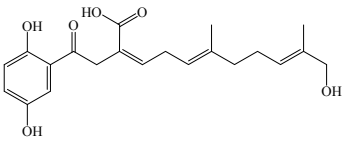

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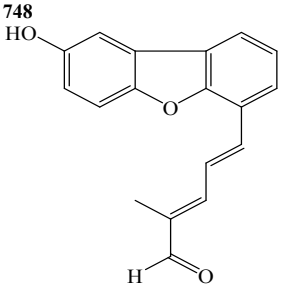

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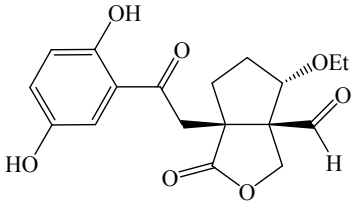

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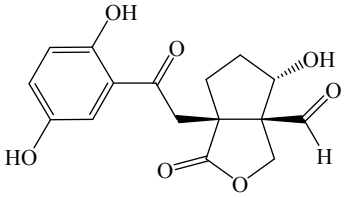

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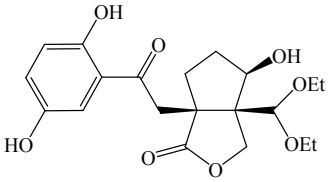

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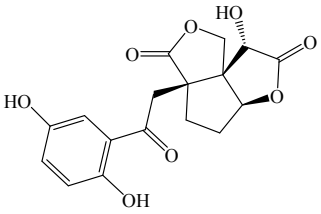

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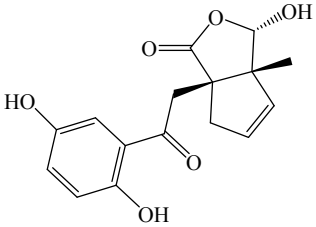

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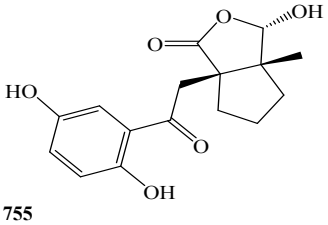

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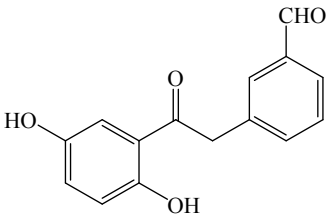

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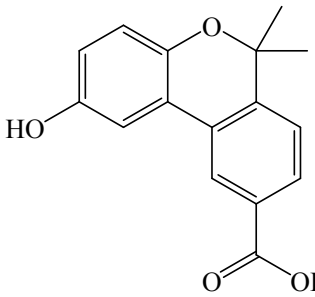

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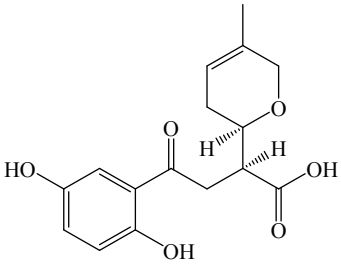

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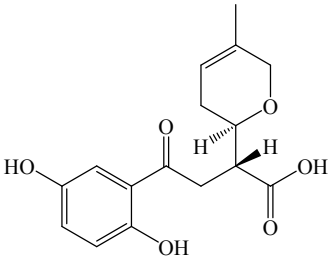

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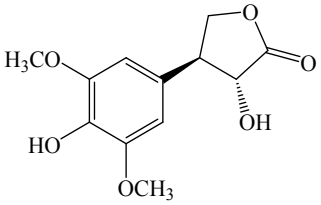

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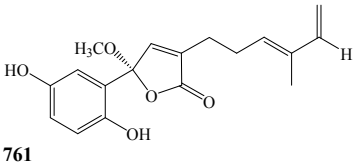

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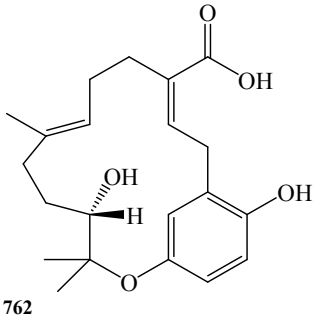

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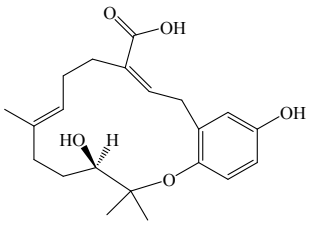

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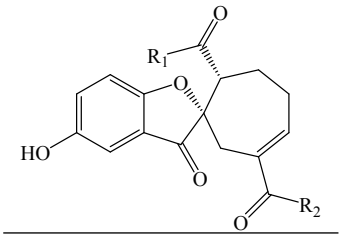
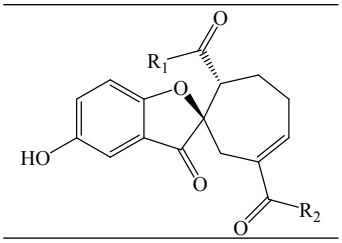
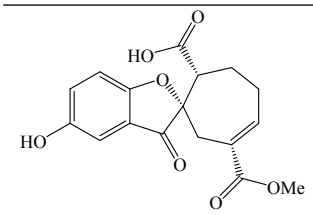


NO	R_1	R_2
764	OH	OH
765	OMe	OH
766	OH	OMe
767	OH	H
768	OMe	H



NO	R_1	R_2
769	OH	OH
770	OMe	OH
771	OH	OMe
772	OH	H



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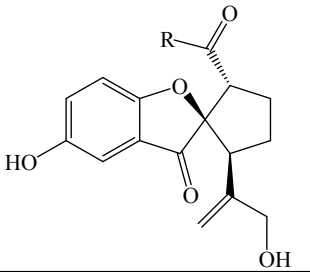
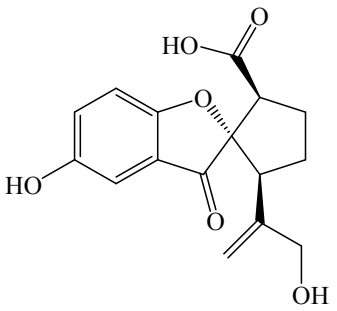


NO	R
774	OMe
775	OH



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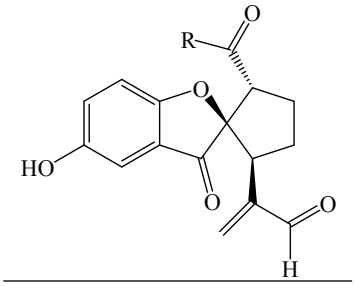
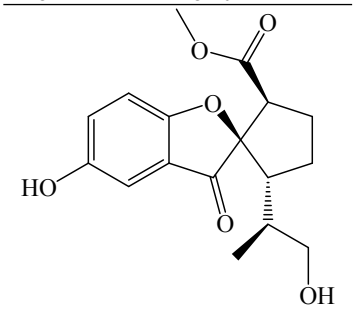


NO	R
777	OH
778	OMe



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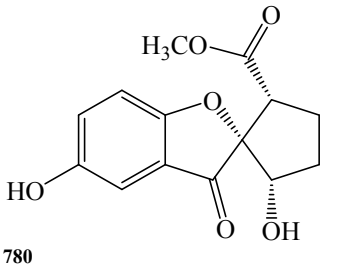

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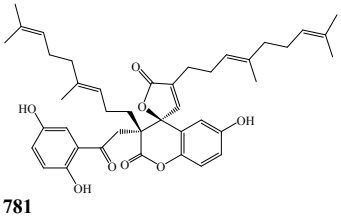

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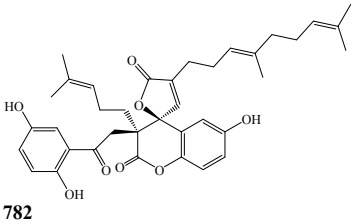

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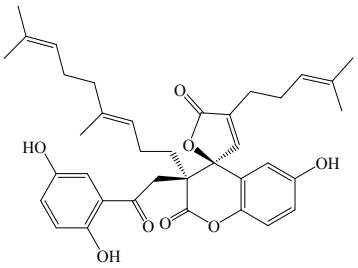

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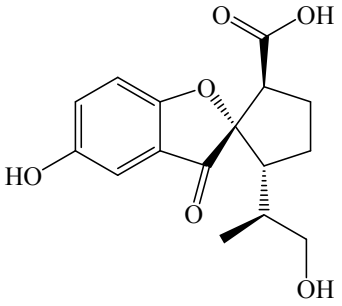

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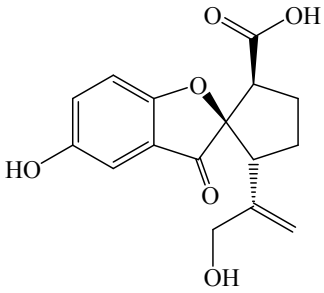

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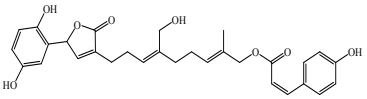

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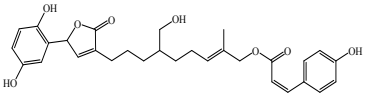

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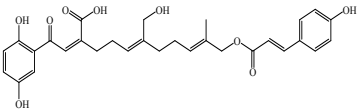

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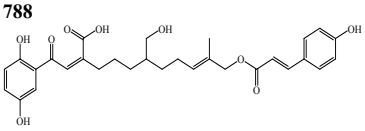

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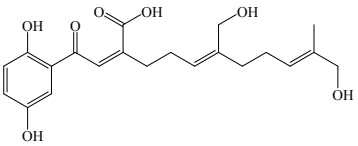

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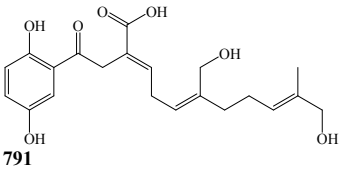

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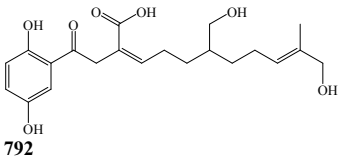

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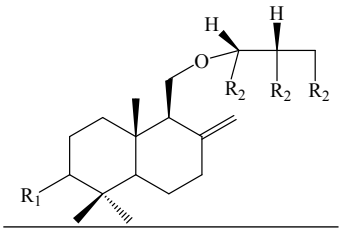
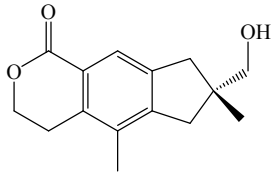


NO	R_1	R_2
793	H	COOH
794	β-OH	COOH



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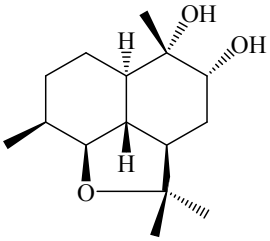

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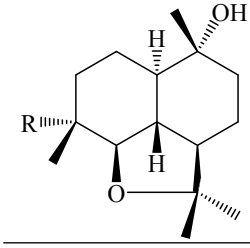
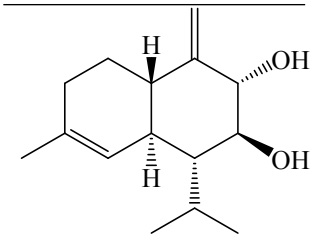


NO	R
797	H
798	OH



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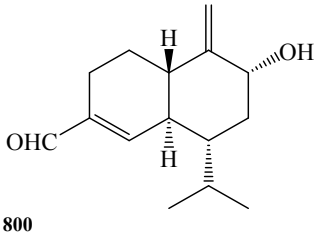

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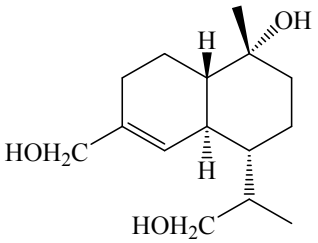

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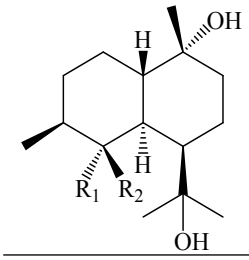
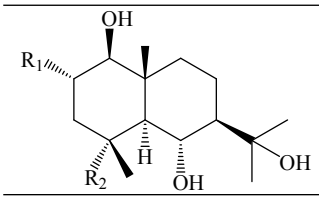
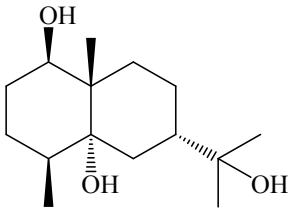


NO	R_1	R_2
802	OH	H
803	H	OH



NO	R_1	R_2
804	H	OH
805	OH	H



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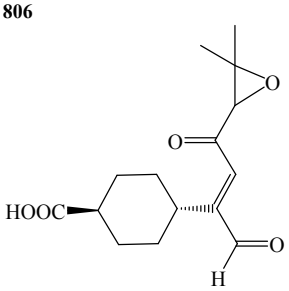
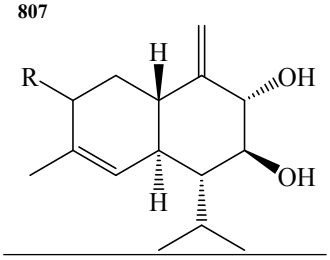
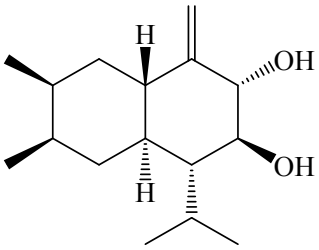


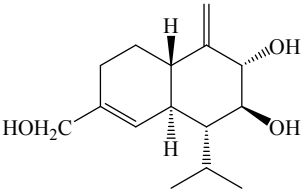
807



NO	R
808	α-OH
809	β-OH



810



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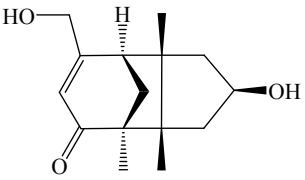
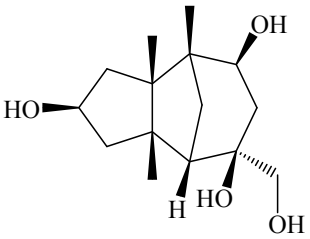


812



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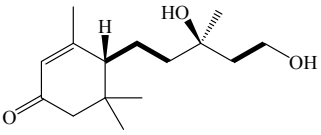
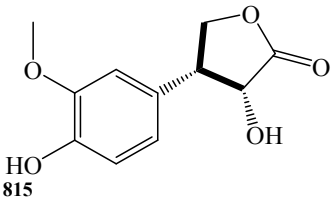


814



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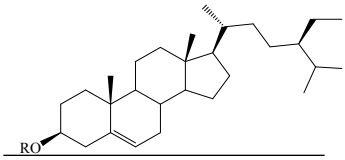
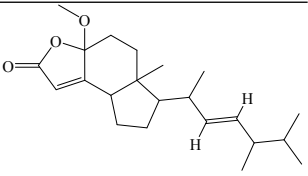


NO	R
816	H
817	β-D-glucopyranosyl



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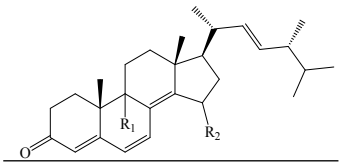
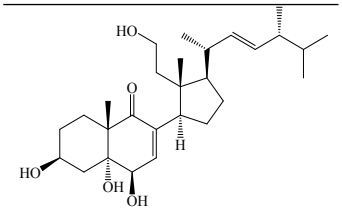


NO	R_1	R_2
819	H	α-OH
820	H	β-OH
821	α-OH	O
822	α-OH	H
823	H	H



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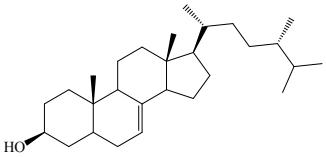

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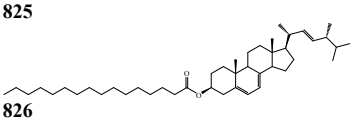

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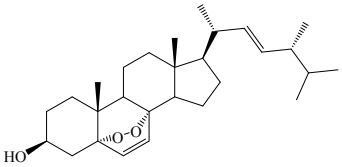

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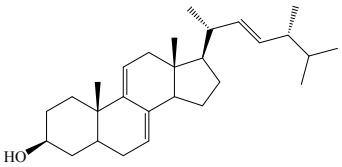

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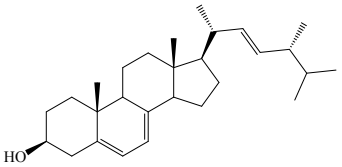

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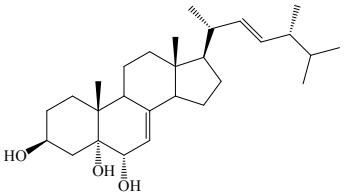

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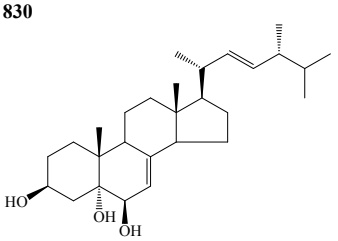

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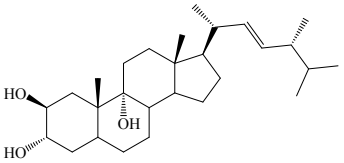

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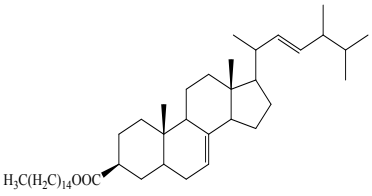

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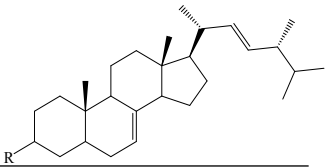
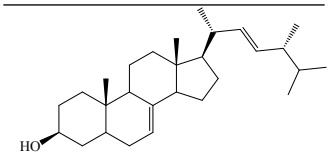


NO	R
834	O
835	β-O-linoleoyl



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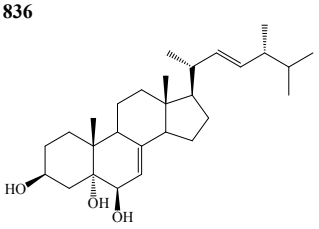

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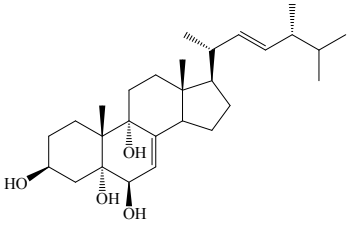
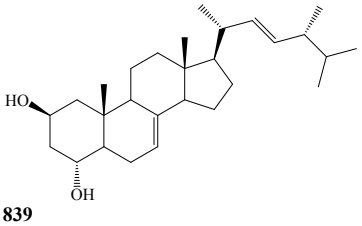


838



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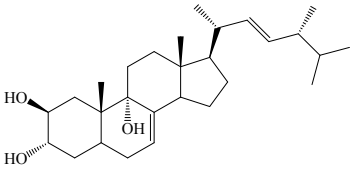

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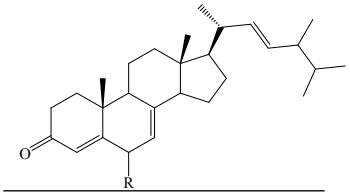
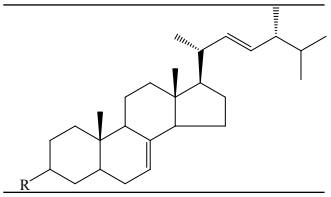
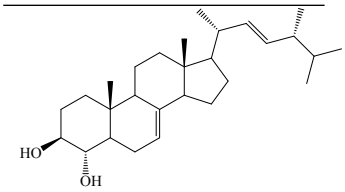


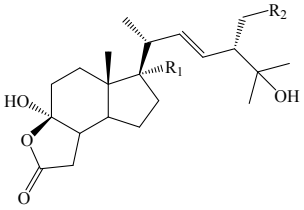
NO	R
841	β-OH
842	α-OH
843	O



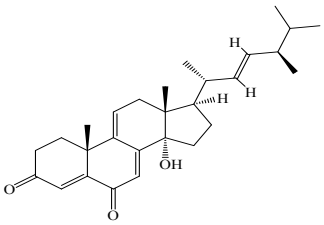
NO	R
844	β-OH
845	O



846



NO	R_1	R_2
847	OH	OH
848	H	H



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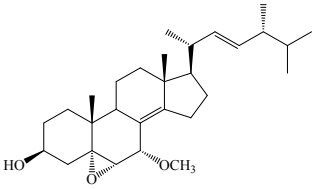

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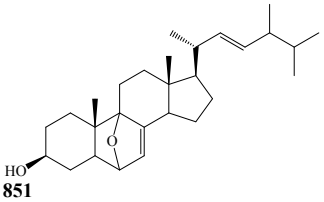

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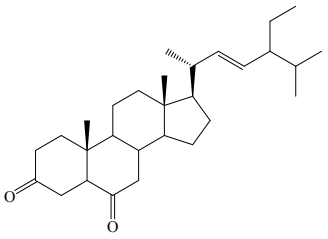

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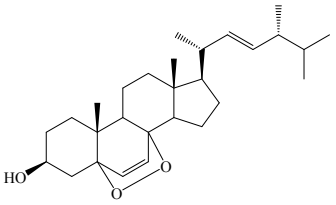

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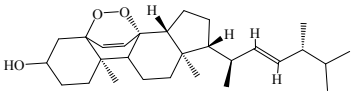

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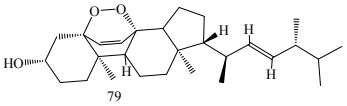
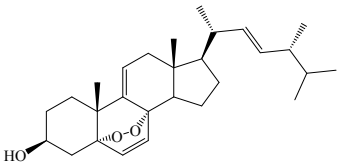


855



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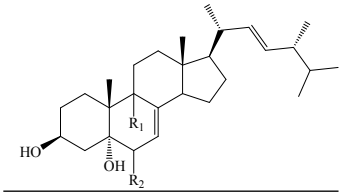
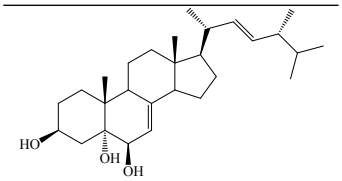


NO	R_1	R_2
857	H	β-OMe
858	H	O
859	α-OH	O



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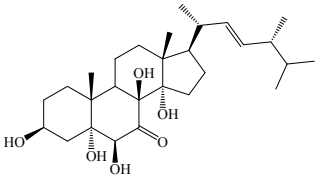

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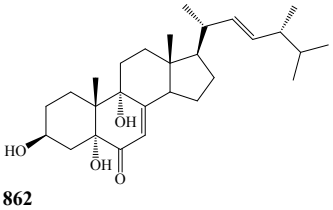
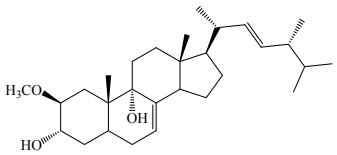


862



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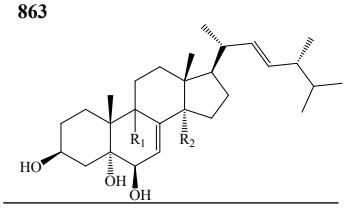
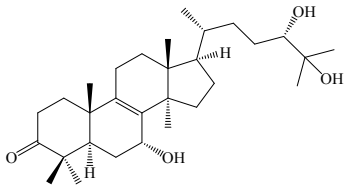


NO	R_1	R_2
864	H	H
865	α-OH	H
866	α-OH	α-OH

867



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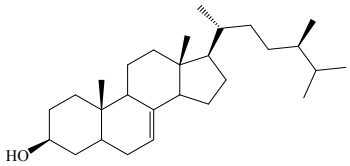
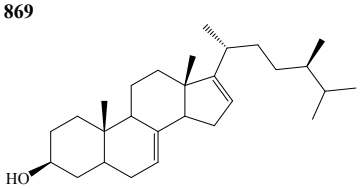
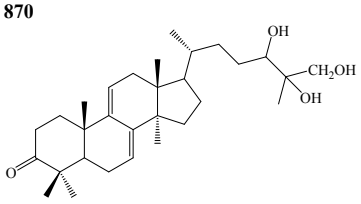


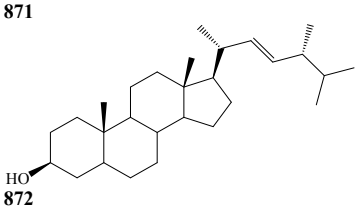
869



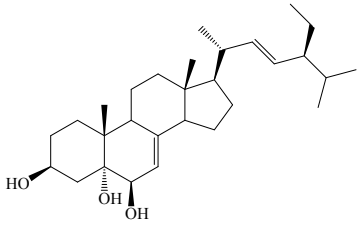
870



871



872



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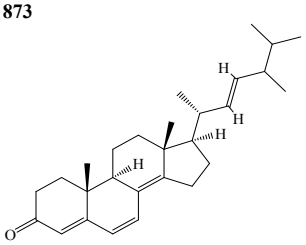

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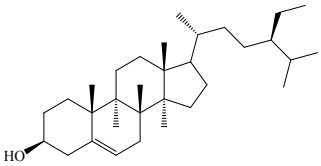

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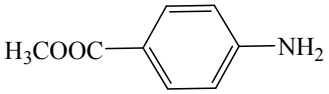

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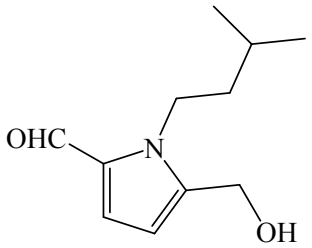

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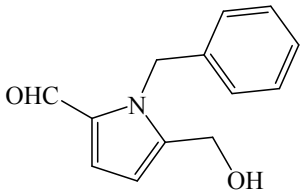

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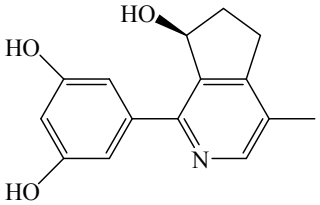

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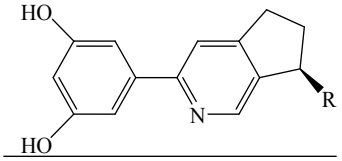
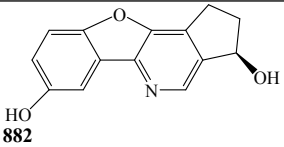


NO	R
880	H
881	OH

882



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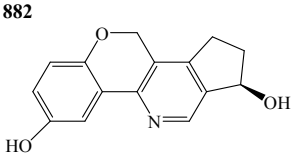

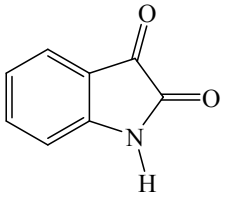

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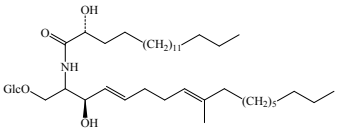

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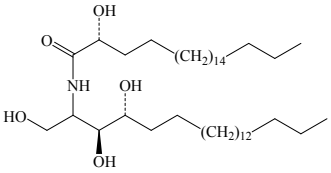

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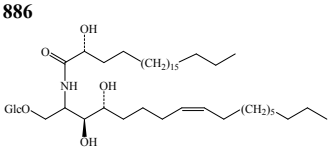

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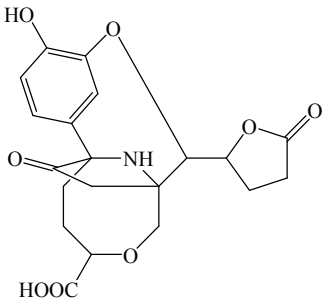

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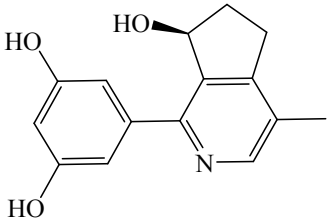

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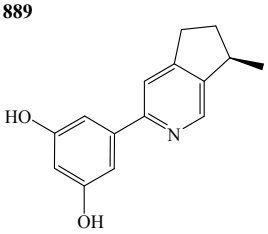

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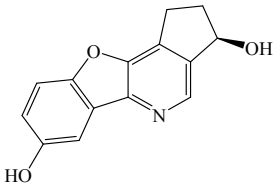

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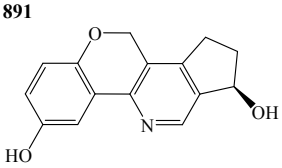

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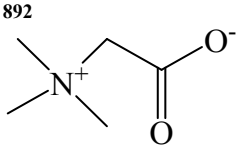

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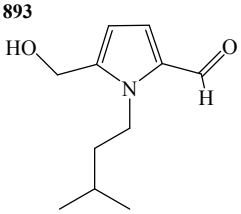

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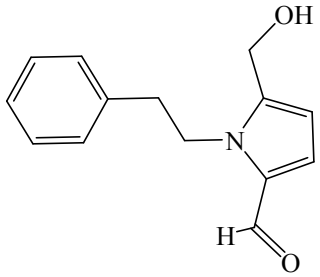

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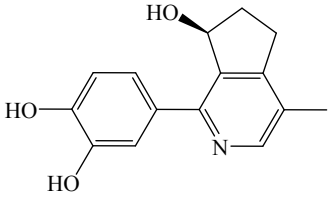

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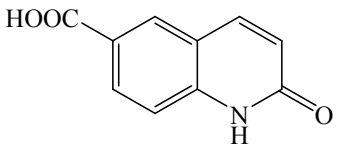

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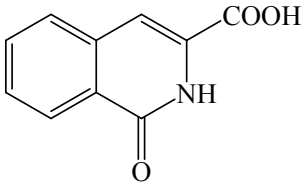

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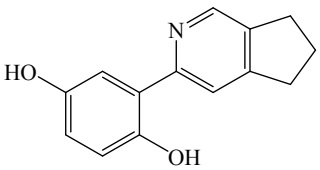

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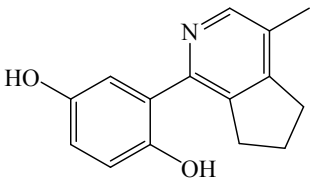

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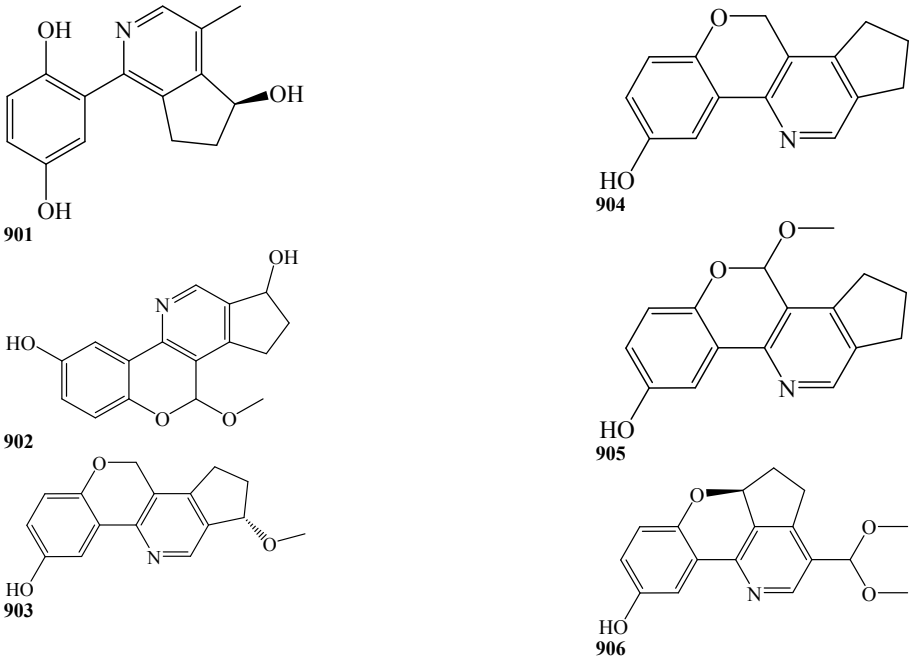

Fig.S2 Metabolites isolated from various *Ganoderma* species

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