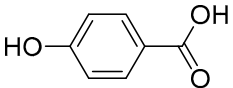
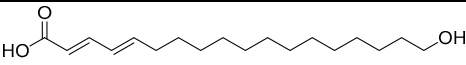
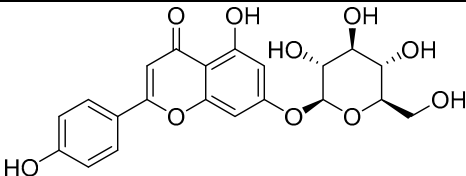
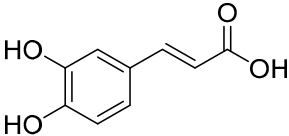
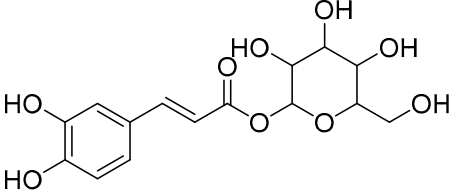
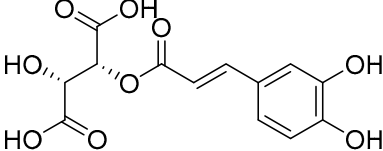
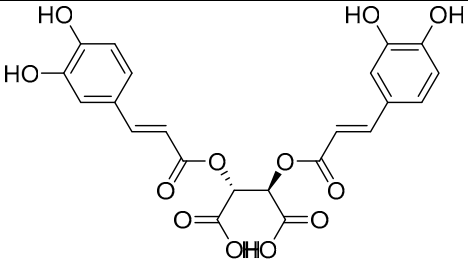
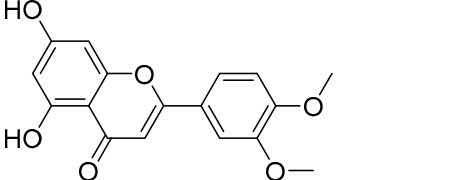
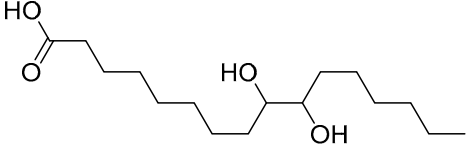
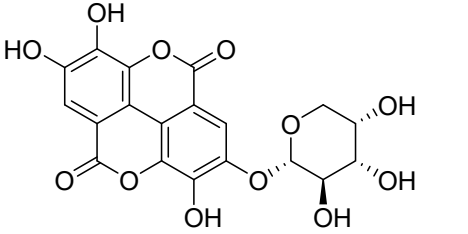
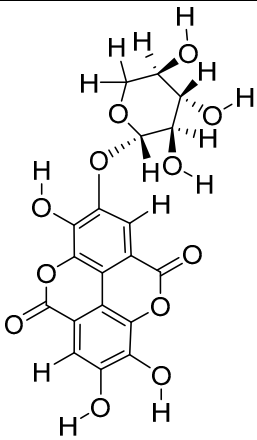
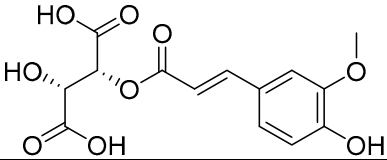
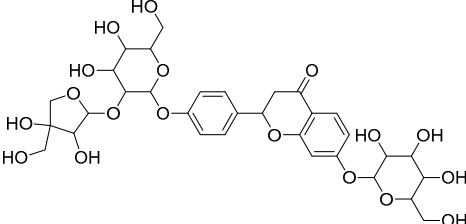
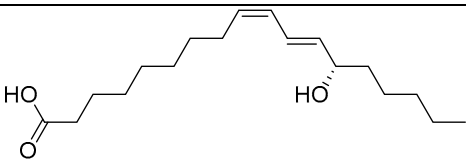
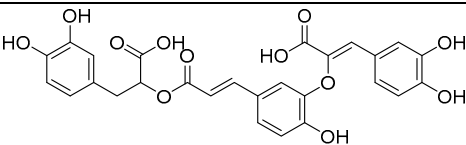
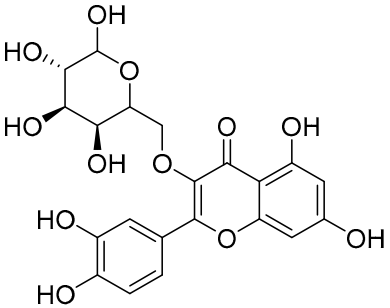
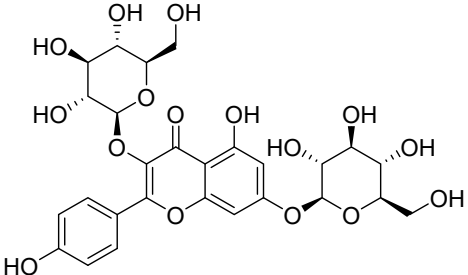
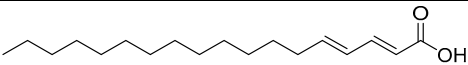
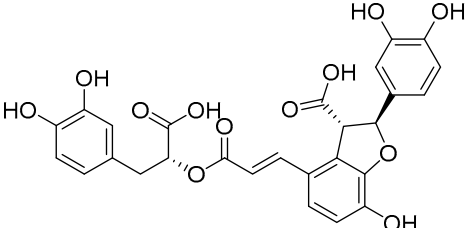


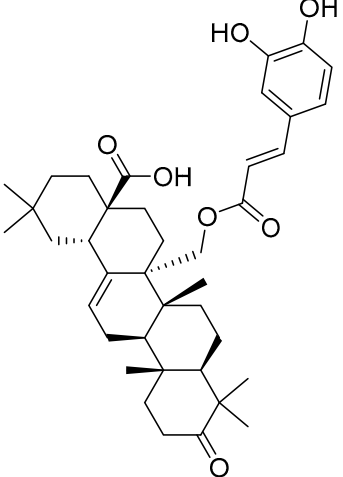
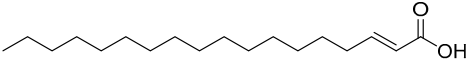
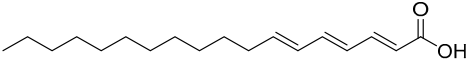
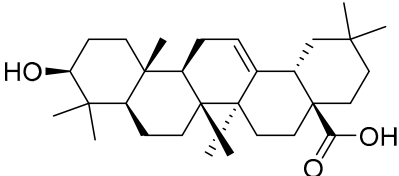
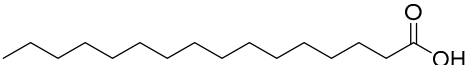
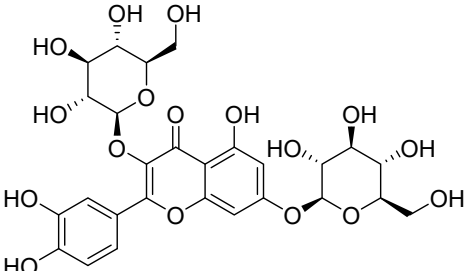
**Table S1.** Chemical constituents from the Basil plant.

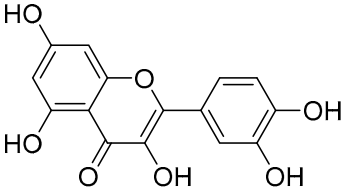
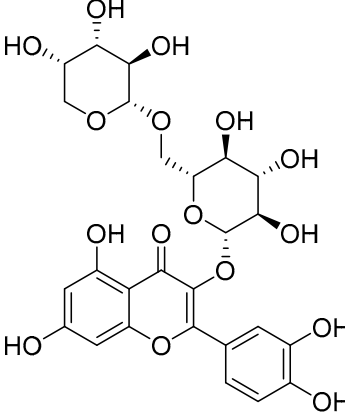
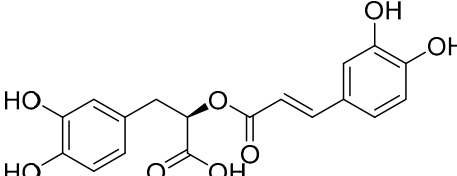
Sr. No	Phytochemicals	Chemical Structures
1	4-Hydroxybenzoic acid	
2	18-Hydroxyoctadecadienoic acid	
3	Apigenin-7-glycoside	
4	Caffeic acid	
5	Caffosylglucoside	
6	Caftaric acid	

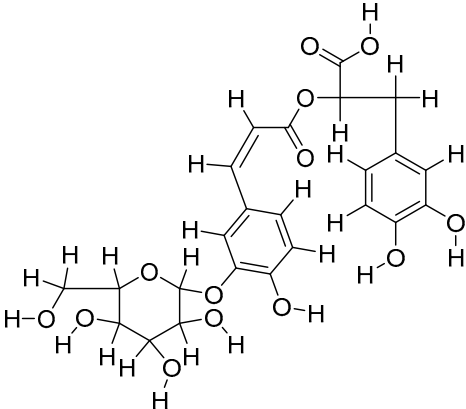
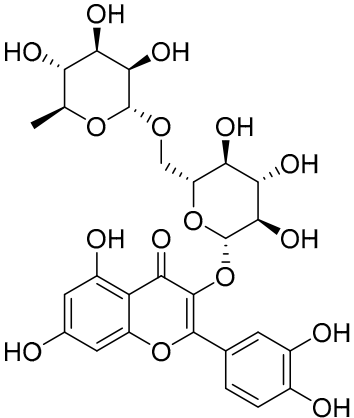
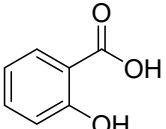
7	Chichoric acid	
8	Dihydroxydimethoxy flavone	
9	Dihydroxypalmitic acid	
10	Ellagic acid arabinoside	

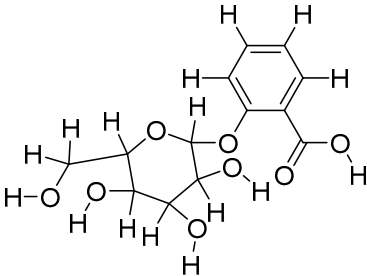
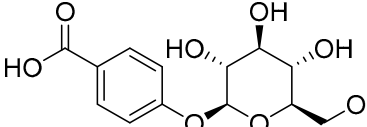
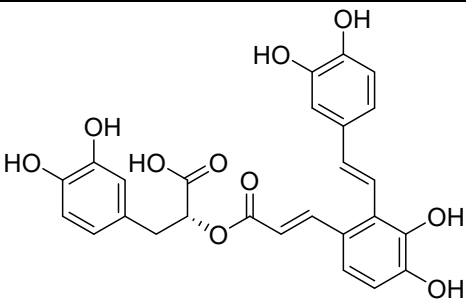
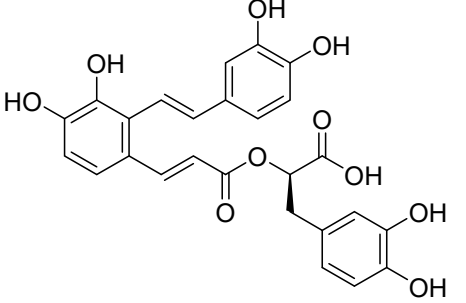
11	Ellagic acid pentoside	
12	Feruloyltartaric acid	
13	Glucoliquiritin apioside	
14	Hydroxydecadienoic acid	
15	Isomelitrica acid	

16	Isoquercetin	
17	Kaempferol-o-glucoside	
18	Linolenic acid	
19	Lithospermic acid	

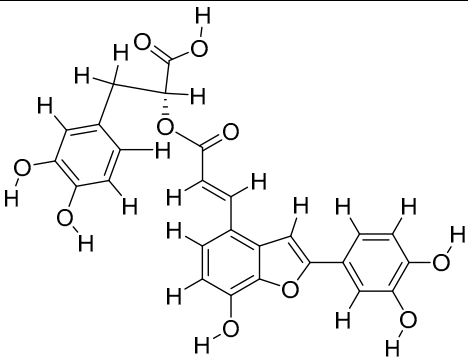
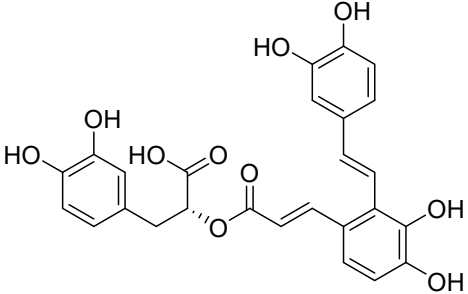
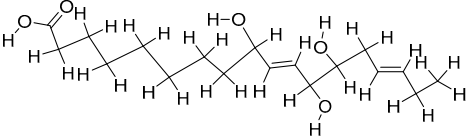
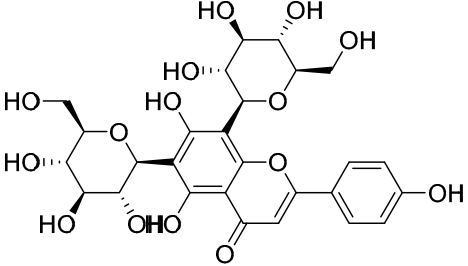
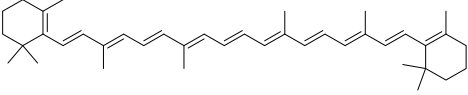
20	Myricerion caffoyl ester	
21	Octadecanoic acid	
22	Octadecatrienoic acid	
23	Olenoleic acid	
24	Palmitic acid	
25	Quercetin diglucoside	

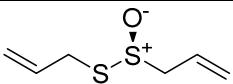
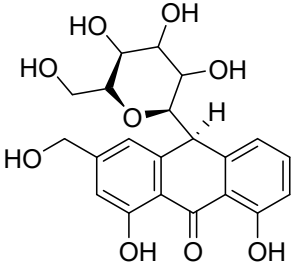
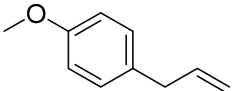
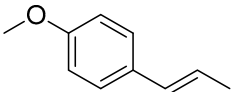
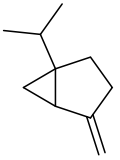
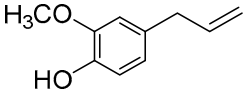
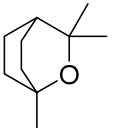
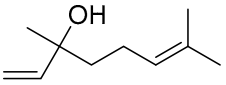
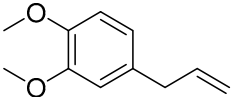
26	Quercetin	 <p>The chemical structure of Quercetin is a flavonoid. It consists of a central chromone ring system. The A-ring (left) has hydroxyl groups at positions 5 and 7. The C-ring (middle) has a ketone at position 4 and a hydroxyl group at position 3. The B-ring (right) is a phenyl ring with hydroxyl groups at positions 3 and 4.</p> <chem>Oc1cc(O)c2c(c1)oc(=O)c(O)c2-c3cc(O)c(O)cc3</chem>
27	Quercetin-3-o-arabinoside	 <p>The chemical structure of Quercetin-3-o-arabinoside shows the Quercetin aglycone linked to an arabinose sugar at the 3-position of the C-ring. The arabinose is in its furanose form, with hydroxyl groups at positions 2, 3, and 4. The linkage is an O-glycosidic bond.</p> <chem>Oc1cc(O)c2c(c1)oc(=O)c(O)c2-c3cc(O)c(O)cc3O[C@H]4O[C@H](CO[C@H]5O[C@H](CO)[C@H](O)[C@H]5O)[C@H](O)[C@H](O)[C@H]4O</chem>
28	Rosmarinic acid	 <p>The chemical structure of Rosmarinic acid is a phenolic compound. It features a central chiral carbon atom bonded to a 3,4-dihydroxybenzyl group, a carboxylic acid group, and a 3,4-dihydroxyphenyl group via an ester linkage. The carboxylic acid group is also shown with a hydroxyl group.</p> <chem>Oc1cc(O)c(O)cc1C(=O)O[C@H](Cc2cc(O)c(O)cc2)C(=O)O</chem>

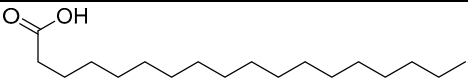
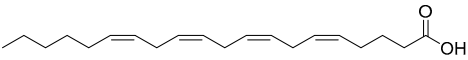
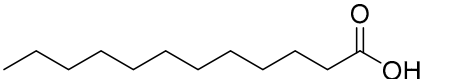
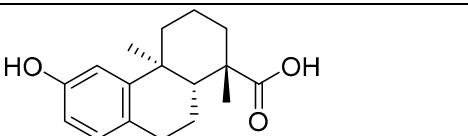
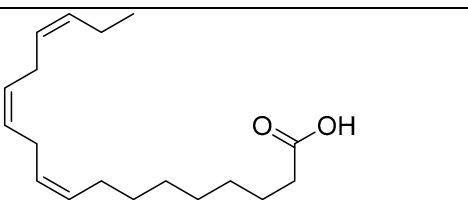
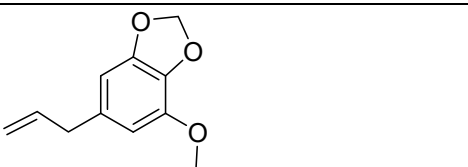
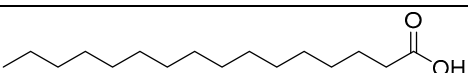
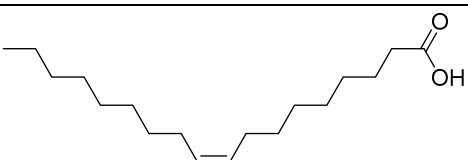
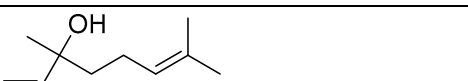
29	Rosmarinic acid-3-glucoside	
30	Rutin	
31	Salicylic acid	

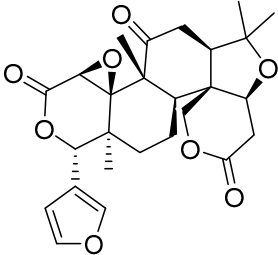
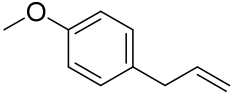
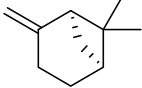
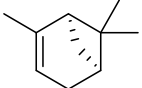
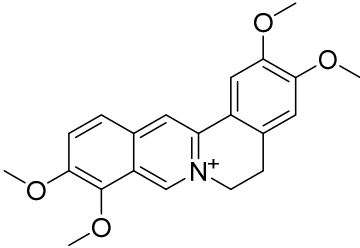
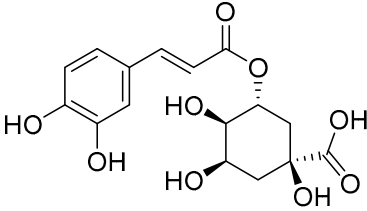
32	Salicylic acid glucoside	
33	Salicylic acid-o-glucoside	
34	Salvianolic acid	
35	Salvianolic acid	

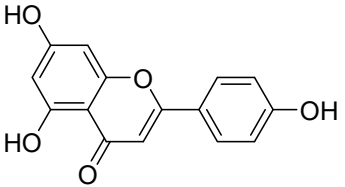
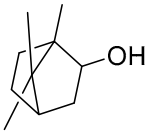
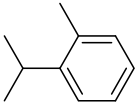
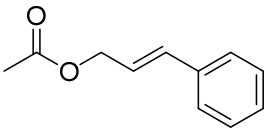
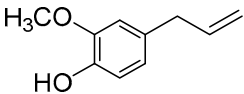
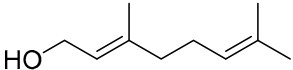
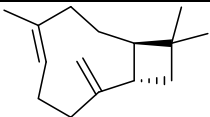
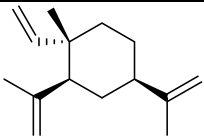
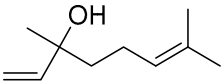


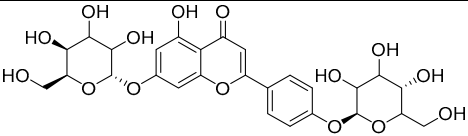
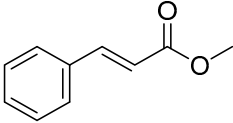
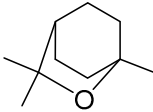
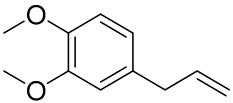
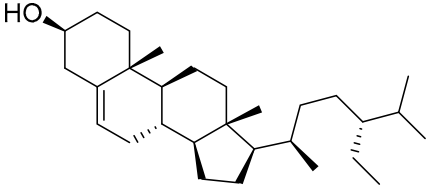
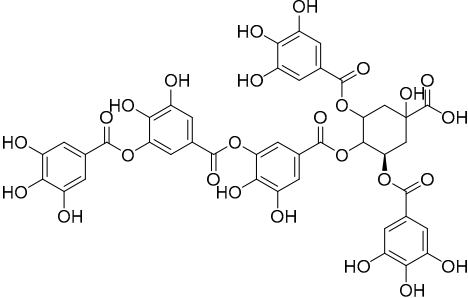
36	Salvianolic acid C	
37	Salvianolic acid A	
38	Trihydroxy octadecadienoic acid	
39	Vicenin	
40	Carotene	

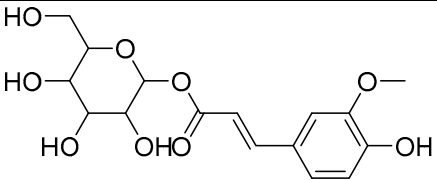
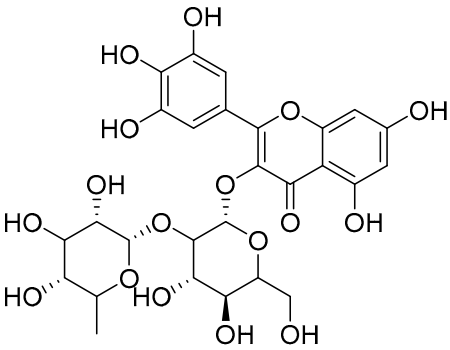
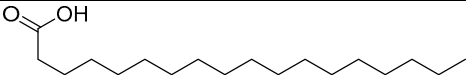
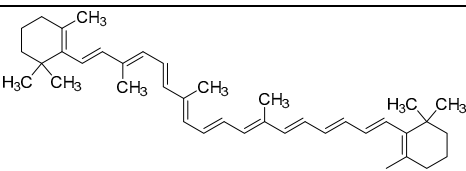
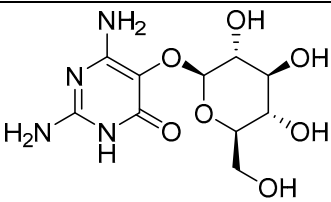
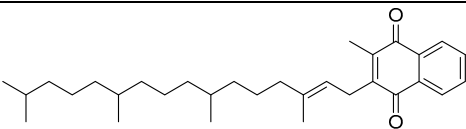
41	Allicin	
42	Aloin	
43	Estragole	
44	Anethole	
45	Sabinene	
46	Eugenol	
47	Eucalyptol	
48	Linalool	
49	Methyl eugenol	

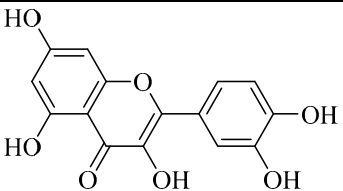
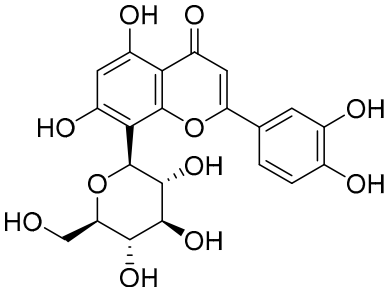
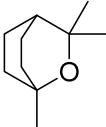
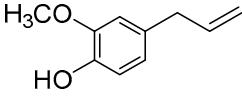
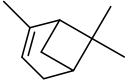
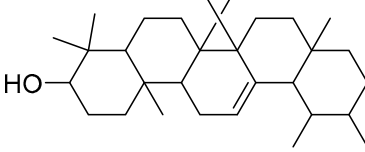
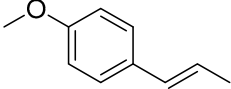
50	Stearic acid	
51	Arachidonic acid	
52	Lauric acid	
53	Carpic acid	
54	$\alpha$ -Linolenic acid	
55	Myristicin	
56	Palmitic acid	
57	Oleic acid	
58	Llinalool	

59	Limonene	
60	Methyl chavicol	
61	$\beta$ -Pinene	
62	$\alpha$ -Pinene	
63	Palmatine	
64	Chlorogenic acid	

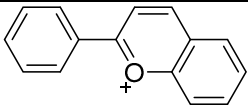
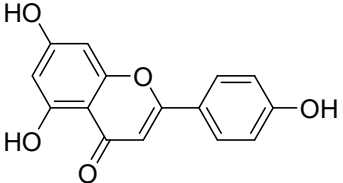
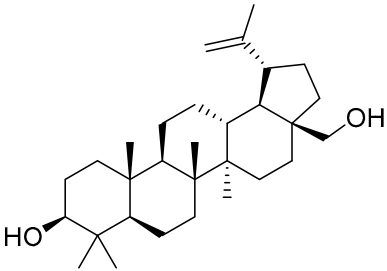
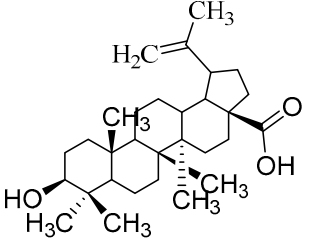
65	Apigenin	
66	Borneol	
67	o-Cyminate	
68	Cinnamylacetate	
69	Eugenol	
70	Geraneol	
71	B-Caryphyllone	
72	$\beta$ -elemene	
73	Linalool	

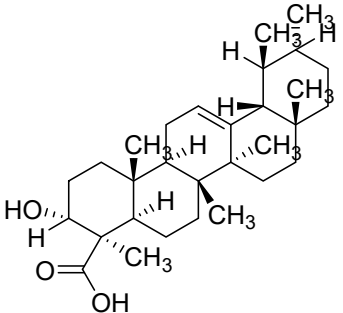
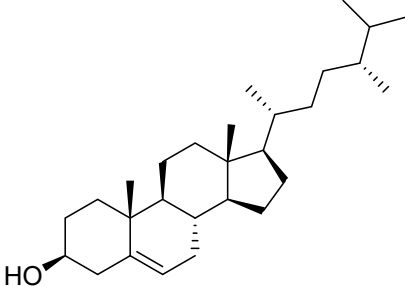
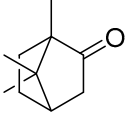
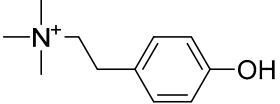
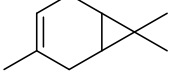
74	Apigenin-7,4-diglucoside	
75	methyl cinnamate	
76	1,8-cineole	
77	Methyl eugenol	
78	beta-sitosterol	
79	Tannin	

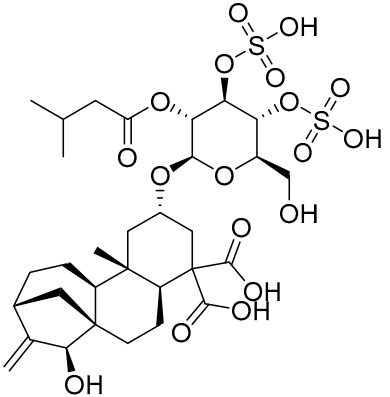
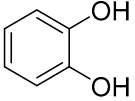
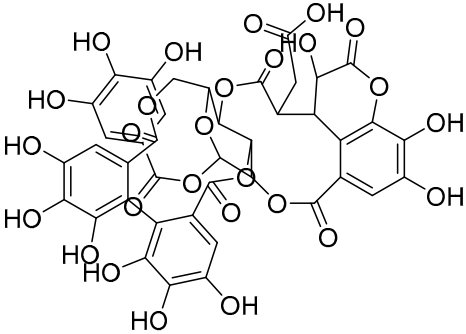
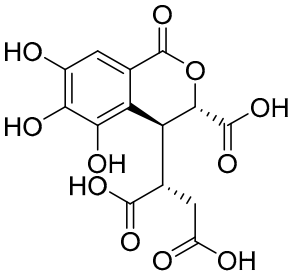
80	ferusoylglucoside	
81	Myricetin 3-neohesperidoside	
82	Steric acid	
83	Beta-carotene	
84	Vicine	
85	Vitamin K	

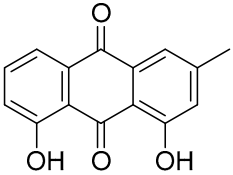
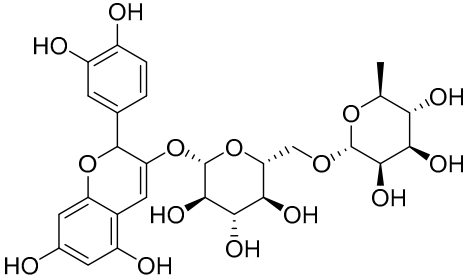
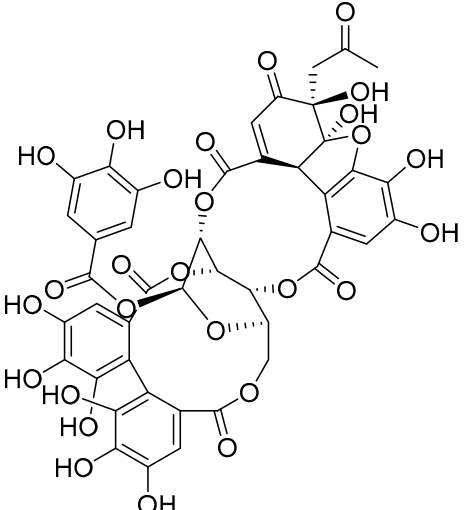
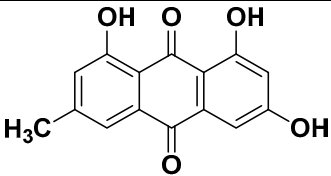
86	Vitamin C	
87	Orientin	
88	Cineole	
89	Eugenol	
90	Alpha pinene	
91	Amyrin	
92	Antheole	

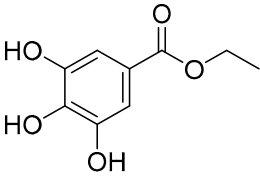
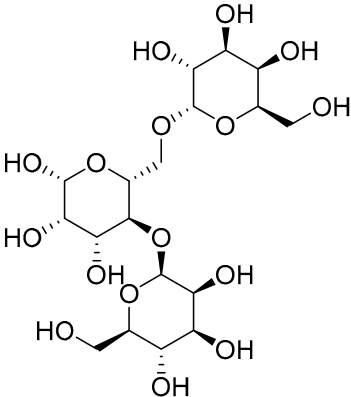
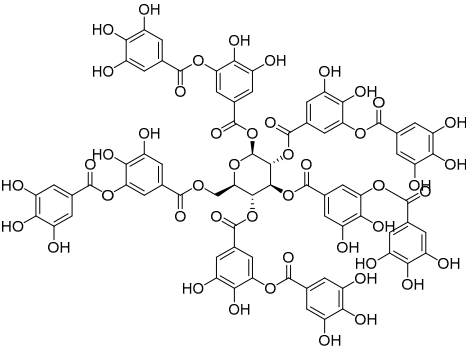


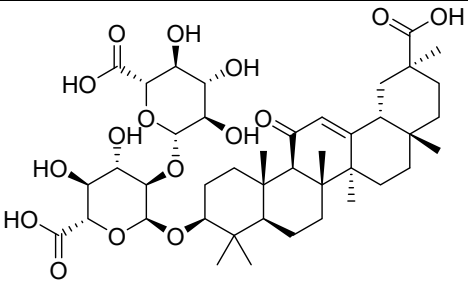
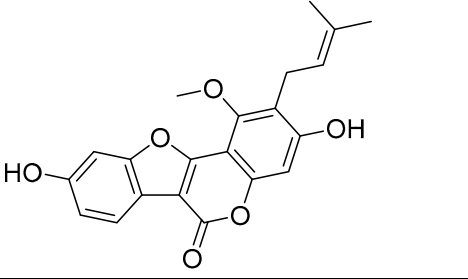
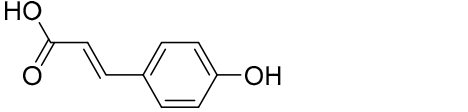
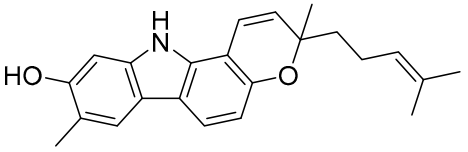

93	Anthocyanin	
94	Apigenin	
95	Beta Cryptoxanthin	
96	Betulin	
97	Betulinic Acid	

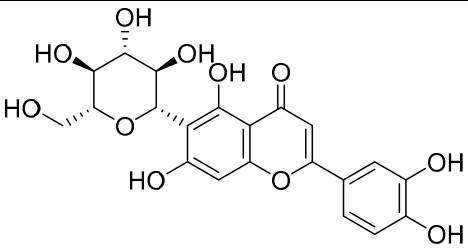
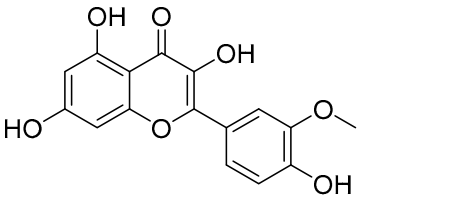

98	Boswellic acid	
99	Campesterol	
100	Camphene	
101	Candicine	
102	car-3-ene	

103	Carboxyatractyloside	 <p>The structure of Carboxyatractyloside consists of a tricyclic aglycone (atractyloside) linked via an ether bond to a disulfate sugar moiety. The sugar is a hexose with a disulfate group at C2 and a carboxylate group at C6. The aglycone has a methyl group at C13, a hydroxyl group at C14, and a carboxylate group at C15.</p>
104	Catechol	 <p>The structure of Catechol is a benzene ring with two adjacent hydroxyl groups at positions 1 and 2.</p>
105	Chebulagic Acid	 <p>The structure of Chebulagic Acid is a complex polycyclic molecule with multiple hydroxyl groups and a carboxylic acid group. It features a central core with several fused and linked rings, including a cyclohexene ring and a carboxylic acid group.</p>
106	Chebulic Acid	 <p>The structure of Chebulic Acid is a complex polycyclic molecule with multiple hydroxyl groups and a carboxylic acid group. It features a central core with several fused and linked rings, including a cyclohexene ring and a carboxylic acid group.</p>

107	Chrysophenol	
108	Cyanidine-3-rhamnoglucoside	
109	Ellagitannin	
110	Emodin	

111	Ethyl Gallate	 <chem>CCOC(=O)c1cc(O)c(O)c(O)c1</chem>
112	Galactomannan	
113	Gallotannin	

114	Glycyrrhizic Acid	
115	Glycyrol	
116	Hydroxycinnamic	
117	Isomahanine	
118	Isomethone	

119	Isorientin	
120	Isorhamnetin	
121	limonene	
122	linalool acetate	