

Table S1. Chemical composition of Chinese cinnamon bark oil.

N o	Retentio n time	Molecula r formula	Name of substance	Cas	Matchin g index	Conten t (%)
1	24.916	C ₉ H ₈ O	Cyclohexanol,5-methyl-2-(1-methylethenyl)-, (1a,2a,5b)-	104-55-2	99.6	22.58
2	18.369	C ₁₀ H ₁₈ O	Cyclohexanol,5-methyl-2-(1-methylethenyl)-, (1a,2a,5b)-	29141-10-4	98.8	0.31
3	10.434	C ₁₀ H ₁₈	cis-Pinane	6876-13-7	96.0	0.28
4	15.604	C ₁₀ H ₁₆	Bicyclo[4.1.0]hept-2-ene,3,7,7-trimethyl-	554-61-0	95.4	0.24
5	33.365	C ₁₅ H ₂₄	(-)-g-Cadinene	39029-41-9	98.4	0.26
6	41.338	C ₁₆ H ₃₀ O ₃	Tridecanoic acid,2-oxiranylmethyl ester; Tridecanoicacid, 2,3-epoxyprop	63978-73-4	89.0	0.31
7	22.780	C ₁₀ H ₁₆ O	5-methyl-2-(1-methylethylidene)-Cyclohexanone	15932-80-6	97.4	0.41
8	12.216	C ₁₂ H ₂₀ O ₂	2-Cyclohexen-1-ol,3-methyl-6-(1-methylethyl)-, 1-acetate	1204-30-4	92.1	0.34
9	11.363	C ₁₀ H ₁₈	Cyclohexene,4-methyl-1-(1-methylethyl)-	500-00-5	92.9	0.58
10	20.651	C ₁₀ H ₂₀ O	DL-Menthol	89-78-1	99.1	0.56
11	34.250	C ₁₅ H ₂₄	α -muurolene	10208-80-7	99.2	0.46
12	11.469	C ₈ H ₁₈ O	3-Octanol	589-98-0	94.9	0.40
13	11.636	C ₁₀ H ₁₈	cis-m-Menth-8-ene	24399-15-3	83.7	0.63
14	35.086	C ₁₅ H ₂₄	d-Cadinene	483-76-1	96.9	1.13

15	25.557	C ₁₂ H ₂₂ O ₂	5-methyl-2-(1-methylethyl) cyclohexanol acetate	16409 -45-3	99.0	0.93
16	11.122	C ₁₀ H ₁₆	Myrcene	123- 35-3	95.4	0.87
17	24.986	C ₉ H ₈ O	trans-Cinnamaldehyde	14371 -10-9	94.8	4.47
18	19.292	C ₁₀ H ₁₈ O	Cyclohexanone,5-methyl-2-(1- methylethyl)-, (2R,5S)-rel-	89-80- 5	96.9	2.23
19	8.517	C ₁₀ H ₁₆	alpha-Pinene	80-56- 8	98.6	1.41
20	35.515	C ₁₀ H ₁₀ O ₂	2'-Methoxycinnamaldehyde	1504- 74-1	99.1	2.51
21	29.374	C ₁₅ H ₂₄	Tricyclo[4.4.0.0.2,7]dec-3- ene,1,3-dimethyl-8-(1- methylethyl)-, (1R,2S,6S,7S,8S)-	3856- 25-5	98.2	3.67
22	18.834	C ₁₀ H ₁₈ O	5-methyl-2-(1-methylethyl)-, (2S-trans)-Cyclohexanone	14073 -97-3	98.7	2.97
23	13.016	C ₁₀ H ₁₆	Cyclohexene,1-methyl-4-(1- methylethenyl)-, (4R)-	5989- 27-5	96.1	8.90
24	10.358	C ₁₀ H ₁₆	beta-Pinene	127- 91-3	97.4	2.40
25	12.016	C ₁₀ H ₁₆	Tricyclo[2.2.1.0.2,6]heptane,1,3, 3-trimethyl-	488- 97-1	97.5	6.45
26	15.416	C ₇ H ₁₂ O ₄	Diethyl malonate	105- 53-3	98.5	6.07
27	20.251	C ₁₀ H ₂₀ O	DL-Menthol	1490- 04-6	99.1	19.78
28	12.810	C ₁₀ H ₁₄	1-methyl-3-(1-methylethyl)- benzen	535- 77-3	91.3	8.85

Table S2. Chemical composition of oregano essential oil.

N o	Retentio n time	Molecula r formula	Name of substance	Cas	Matchin g index	Conten t (%)
1	11.826	C ₁₀ H ₁₆	Tricyclo[2.2.1.0 ^{2,6}]heptane,1,3, 3-trimethyl-	488- 97-1	99	0.61
2	12.532	C ₁₀ H ₁₄	1-isopropyl-2-methylbenzene	527- 84-4	99	1.25
3	12.708	C ₁₀ H ₁₆	Cyclohexene,1-methyl-5-(1- methylethenyl)-, (5R)-	1461- 27-4	97	0.74
4	14.419	C ₇ H ₈ O	o-Cresol	95-48- 7	99	12.62
5	19.643	C ₁₀ H ₂₀ O	Menthol	15356 -70-4	99	0.30
6	23.011	C ₁₀ H ₁₄ O	Thymol	89-83- 8	96	17.12
7	23.086	C ₉ H ₁₂ O	3-(1-methylethyl)-Phenol	618- 45-1	88	1.41
8	27.350	C ₁₀ H ₁₄ O	o-Cymen-5-ol	3228- 02-2	97	30.54
9	29.406	C ₁₁ H ₁₆ O	Benzene,1-methoxy-4-methyl- 2-(1-methylethyl)-	31574 -44-4	93	0.85
10	34.444	C ₁₃ H ₂₀ O	2,4-Diisopropyl-5- methylphenol	40625 -96-5	97	28.22
11	38.867	C ₁₆ H ₂₆ O	2,6-Ditert-butyl-4-ethylphenol	4130- 42-1	91	1.70
12	47.729	C ₁₆ H ₃₂ O ₂	Palmitic acid	57-10- 3	99	0.41
13	52.031	C ₁₈ H ₃₂ O ₂	Conjugated linoleic acid	2420- 56-6	84	2.59
14	55.283	C ₁₉ H ₃₆ O ₃	Hexadecanoic acid,2- oxiranylmethyl ester	7501- 44-2	96	0.23

15	57.771	C ₂₁ H ₃₈ O ₄	9,12-Octadecadienoic acid (9Z,12Z)-, 2-hydroxy-1- (hydroxymethyl)ethyl ester	3443- 82-1	84	0.68
16	57.825	C ₂₁ H ₃₈ O ₃	9-Octadecenoic acid(9Z)-, 2- oxiranylmethyl ester	5431- 33-4	95	0.58
17	60.037	C ₂₁ H ₃₈ O ₄	9,12-Octadecadienoic acid (9Z,12Z)-,2-hydroxy-1- (hydroxymethyl)ethyl ester	3443- 82-1	91	0.16