

SUPPLEMENTARY MATERIAL

The Chemical Composition and Anti-mycobacterial Activities of *Trachyspermum copticum* and *Pelargonium graveolens* Essential Oils

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Table 1. Chemical composition of *Trachyspermum copticum* essential oil by GC and GC-MS.

S. No.	Compounds	RI	(%)
1	α -phellandrene	848	0.12
2	α -pinene	854	0.25
3	Camphene	865	0.02
4	β -pinene	896	1.0
5	β -myrcene	912	0.3
6	p-cymene	954	27.3
7	γ-terpinene	992	18.6
8	isopropenyltoluene	1003	0.02
9	α -terpinolene	1004	0.04
10	cis-sabinene hydrate	1009	0.01
11	Linalool	1013	0.03
12	4-terpineol	1076	0.1
13	α -terpinol	1135	0.1

14	Cuminaldehyde	1164	0.2
15	Thymol	1236	50.7
16	carvacrol	1241	0.05
17	Verbenone	1248	0.1
18	α -amorphene	1382	0.02
19	cis-calamenene	1384	0.02
20	ϕ -Cadinene	1388	0.01
21	caryophyllene oxide	1435	0.02
22	cis-isoapiole	1472	0.04
23	Methoxymesitylene	1791	0.02
24	6-Ethyl-3,4-dimethylphenol	1832	0.03
25	2,5-Diethylphenol	1892	0.04
26	Oleic acid, propyl acetate	1917	0.2

Table 2. Chemical composition of Pelargonium graveolens essential oil by GC and GC-MS.

S. No.	Compounds	RI	(%)
1	β -phellandrene	848	0.1
2	α -Pinene	855	0.5
3	Camphene	865	0.01
4	β -pinene	894	0.1
5	β -myrcene	912	0.13
6	α -phellandrene	923	0.5
7	α -terpinene	933	0.1
8	o-cymene	938	0.34
9	β -phellandrene	943	0.1

10	Limonene	945	0.10
11	β -ocimene	955	0.15
12	β -ocimene	966	0.32
13	cis Linalool Oxide	984	0.15
14	trans Linalool Oxide	997	0.1
15	α -terpinolene	1018	1.41
16	rose Oxide	1022	1.5
17	phenylethyl alcohol	1035	2.4
18	trans-Menthan-3-one	1057	2.9
19	p-menthone	1065	2.7
20	β-Citronellol	1174	39.4
21	Geraniol	1185	23.7
22	Nerol	1197	11.7
23	Cyclodecane	1238	0.1
24	cis-2,6-dimethyl-2,6-octadiene	1264	0.5
25	geranyl acetate	1298	1.5
26	β -bourbonene	1302	0.26
27	β -elemene	1307	0.04
28	α -Gurjunene	1318	0.09
29	trans-Caryophyllene	1325	0.7
30	Citronellyl propionate	1339	1.3
31	α -Caryophyllene	1345	0.14
32	Alloaromadendrene	1349	0.07
33	Germacrene D	1363	0.26
34	β -Salinene	1366	0.03
35	Isoledene	1368	0.03
36	β -Patchoulene	1372	0.2

37	α -Muurolene	1375	0.04
38	cis-Calamenene	1386	0.07
39	ϕ -Cadinene	1389	0.2
40	cis-2,6-Dimethyl-2,6-octadiene	1392	0.12
41	Nerolidol	1398	0.5
42	Farnesol	1433	0.62
43	Spathulenol	1438	0.12
44	Neryl acetate	1468	0.03
45	Cadinene	1485	0.741
46	Alpha-Amorphene	1508	0.102
47	Citronellyl tiglate	1516	0.275
48	Citronellyl n-butyrate	1527	2.6
49	Geranyl tiglate	1546	0.26
50	Z-Citral	1856	0.02
51	Squalene	1882	0.01
52	Oleic acid	1918	0.05

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