

Chemical and bioinformatics analyses of the anti-leishmanial and anti-oxidant activities of hemp essential oil

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Table S1. GC-MS analysis of *Eletta campana* essential oil.

Compound	Area %	RI ^a	RIL ^b
α -pinene	11.9	934	933
camphene	0.3	949	953
β -pinene	3.6	977	978
myrcene	6.8	994	991
α -phellandrene	0.1	1006	1007
Δ^3 -carene	0.5	1011	1009
α -terpinene	0.1	1019	1018
<i>para</i> -cymene	0.2	1028	1024
limonene	2.2	1031	1030
eucalyptol	0.4	1040	1032
<i>Z</i> - β -ocimene	0.5	1043	1035
<i>E</i> - β -ocimene	1.9	1053	1046
γ -terpinene	0.2	1062	1058
terpinolene	2.3	1091	1086
linalyl anthranilate	0.2	1110	1104
fenchyl alcohol	0.1	1123	1123
terpinen-4-ol	0.2	1187	1184
α -ylangene	0.2	1378	1371
<i>Z</i> -caryophyllene	0.3	1414	1413
<i>E</i> -caryophyllene	13.5	1428	1424
α - <i>trans</i> -bergamotene	0.6	1442	1432
α -humulene	5.3	1462	1454
9- <i>epi-E</i> -caryophyllene	0.7	1470	1464
γ -muurolene	0.5	1485	1478
α -amorphene	0.2	1488	1482
β -selinene	1.5	1495	1492
α -selinene	1.7	1504	1501
<i>Z</i> - γ -bisabolene	1.4	1516	1511
γ -cadinene	0.4	1523	1512
selina-4(15),7(11)-diene	1.3	1545	1540
selina-3,7(11)-diene	2.5	1552	1546
Germacrene-B	0.3	1569	1557
caryophyllene oxide	2.2	1599	1587
humulene epoxide	0.7	1626	1613
α -bisabolol	0.5	1697	1688
tetracosane	6.0	2406	2400
heptacosane	23.9	2690	2700
12 unknown compounds	4.8		
^a calculated retention index (RI). ^b retention index reported in literature (RIL) or in commercial databases			

Table S2. GC-MS analysis of *Futura 75* essential oil.

Compound	Area %	RI ^a	RIL ^b
α -pinene	14.9	934	933
camphene	0.3	949	953
β -pinene	3.8	977	978
myrcene	11.8	994	991
α -phellandrene	0.2	1006	1007
Δ^3 -carene	0.5	1011	1009
α -terpinene	0.2	1018	1018
<i>para</i> -cymene	0.1	1028	1025
limonene	1.8	1031	1030
eucalyptol	0.2	1041	1032
<i>E</i> - β -ocimene	2.9	1053	1046
γ -terpinene	0.2	1062	1058
terpinolene	5.1	1091	1086
<i>Z</i> -caryophyllene	0.5	1414	1413
α -cis-bergamotene	0.3	1422	1416
<i>E</i> -caryophyllene	19.3	1428	1424
α - <i>trans</i> -bergamotene	1.9	1442	1432
α -humulene	8.3	1462	1454
9- <i>epi</i> -caryophyllene	1.1	1470	1464
β -selinene	1.7	1495	1492
α -selinene	1.3	1504	1501
selina-4(15),7(11)-diene	0.9	1545	1540
selina-3,7(11)-diene	1.5	1552	1546
caryophyllene oxide	4.3	1599	1587
humulene epoxide	1.1	1626	1613
<i>allo</i> -aromadendrene epoxide	0.4	1650	1644
tetracosane	8.8	2407	2400
13 unknown compounds	6.6		
^a calculated retention index (RI). ^b retention index reported in literature (RIL) or in commercial databases			

Table S3. GC-MS analysis of *Carmagnola selezionata* essential oil.

Compound	Area %	RI ^a	RIL ^b
α -pinene	12.6	934	933
camphene	0.3	949	953
β -pinene	4.1	977	978
myrcene	26.4	995	991
α -phellandrene	0.3	1006	1007
Δ^3 -carene	0.3	1012	1009
α -terpinene	0.3	1019	1018
<i>para</i> -cymene	0.2	1028	1025
limonene	4.7	1031	1030
eucalyptol	0.5	1041	1032
<i>Z</i> - β -ocimene	0.4	1043	1035
<i>E</i> - β -ocimene	2.5	1053	1046
γ -terpinene	0.3	1062	1058
terpinolene	7.0	1091	1086
linalyl anthranilate	0.3	1110	1104
fenchyl-alcohol	0.2	1123	1123
<i>Z</i> -caryophyllene	0.4	1414	1413
<i>E</i> -caryophyllene	19.1	1428	1424
α - <i>trans</i> -bergamotene	0.2	1442	1432
α -humulene	7.2	1462	1454
9- <i>epi-E</i> -caryophyllene	0.6	1470	1464
β -selinene	1.3	1495	1492
α -selinene	1.1	1504	1501
<i>Z</i> - γ -bisabolene	1.1	1514	1511
selina-4(15),7(11)-diene	0.3	1545	1540
selina-3,7(11)-diene	0.5	1552	1546
caryophyllene oxide	3.2	1599	1587
humulene epoxide	1.0	1626	1613
10 unknown compounds	3.6		
^a calculated retention index (RI). ^b retention index reported in literature (RIL) or in commercial databases			