

Supplementary

Table S1. Chemical composition of dried roots-stems obtained from *Eupatorium adenophorum* with headspace at two temperature and four week.

Compound	Time	Temperature (°C)								
		Control	25				35			
			1 week	2 week	2 week	4 week	1 week	2 week	2 week	4 week
Butanol	2.79	3.5	4.1	4.35	7.47	1.36	5.77	9.91	1.46	1.39
Furan, 2,5-dimethyl	3.30	0.7	0.57	0.54	1.03	1.24	0.6	0.64	1.067	1.018
α -Pinene	10.03	0.2	0.21	0.22	0.43	0.45	0.23	0.24	0.33	0.38
Camphene	10.20	1.4	1.65	1.11	1.45	1.31	1.75	1.35	1.69	1.71
Butanoic acid	10.25	5.42	6.35	9.32	1.65	0.37	8.97	11.05	1.41	0.39
Propanoic acid	10.94	1.1	1.8	2.13	0.83	0.91	1.89	2.73	0.43	0.21
Bicyclo-methylene	13.02	2.32	2.61	4.47	5.79	4.39	2.71	3.87	6	5.07
Carene	13.08	5.15	5.01	4.91	5.02	4.36	4.32	3.64	4.07	4.65
Alpha-Phellandrene	13.40	1.98	1.35	1.15	1.52	0.97	1.45	0.91	1.02	0.95
4,8-Dimethylnona-triene	13.56	1.1	1.35	2.45	2.68	2.24	1.62	1.78	2.54	1.97
Methylethylbenzene	13.68	34.1	35.67	30.1	30.49	41.49	31.2	30.69	40.24	35.35
o-Cymene	14.29	33.04	34.3	34.62	36	31	34.68	31.3	32.3	43.35
D-Limonene	14.52	0.25	0.29	0.33	0.84	1.63	0.31	0.38	1.67	0.76
Alpha-Bergamotene	33.87	0.59	0.42	0.28	0.22	0.2	0.38	0.25	0.18	0.14
(E)-Beta-Farnesene	35.62	0.14	0.18	0.2	0.21	0.2	0.18	0.21	0.22	0.22

The amount of main compounds identified in the table is in %.

Table S2. Chemical composition of dried leaves obtained from *Eupatorium adenophorum* with headspace at two temperature and four week.

Compound	Time	Temperature (°C)								
		Control	25				35			
			1 week	2 week	2 week	4 week	1 week	2 week	2 week	4 week
Methylene chloride	2.58	5.1	5.87	6.37	7.02	7.18	5.3	6.05	6.28	6.58
Butanal	2.79	4.32	3.94	3.23	2.1	1.9	4.21	4.1	3.87	3.13
Alpha-Pinene	10.03	1.9	1.65	1.55	0.63	0.53	1.78	0.79	0.75	0.39
Camphene	10.20	4.9	5.2	6	6.45	6.98	4.98	5.2	5.1	5.2
Cyclohexene	13.02	0.83	1.58	1.92	2.4	2	1.48	1.55	1.68	1.29
Carene	13.08	1.83	2.63	2.87	4.78	4.91	1.99	2.36	3.6	3.8
Alpha-Phellandrene	13.40	1.1	1.2	1.42	0.86	0.92	1.19	1.42	1.22	1.12
Benzene methyl	14.25	3.29	3.18	2.41	2.4	2.75	2.22	2.75	2.45	3.1
o-Cymene	14.29	4.42	5.07	4.36	4.02	2.83	4.1	3.9	3.2	3.4
Linalool	17.37	0.53	1.46	1.5	1.57	1.87	0.76	1.0	1.22	0.87
Nonanal	21.61	2.18	2.24	3.81	3.92	4.1	2.42	2.53	2.92	3.21
Alpha-Terpineol	21.83	0.52	0.49	0.45	0.41	0.37	0.49	0.43	0.42	0.4
Alpha-Bergamotene	33.87	2.79	4.55	4.8	5.74	5.86	3.26	3.62	3.53	4.67
Caryophyllene	33.92	2.43	1.45	2.92	2.76	2.66	3.28	5.18	3.39	3.02
Bicyclo dimethyl methylene	34.18	12.3	9.12	12.78	13.18	12.75	10.74	9.37	13.52	11.26
Beta-Famesene	35.62	2.2	2.01	1.8	1.64	1.39	2.19	2.09	1.75	1.75
Zonarene	35.97	2.2	1.97	2.82	2.86	1.69	2.6	3.13	1.65	1.72
Beta-Bisabolene	37.26	5.23	6.24	6.45	5.61	5.43	4.72	5	4.9	7.1
Caryophyllene oxide	41.42	1.79	1.52	0.84	0.65	0.67	1.61	1.32	1.062	0.98