

Supplementary Material

Table S1. Chemical composition of essential oil obtained by hydrodistillation from *E. ciliata* dried (2021 August) herb.

Compounds	*RI _{calculated}	*RI _{theoretical}	Composition, %
2-Ethylfuran	702	721	0.05
2-acetyl-5-methylfuran	972	965	0.06
Eucalyptol	963	954	0.07
Rosefuran	1023	1012	0.08
Elsholtzia ketone	1066	1045	14.12
Furane-2-carboxaldehyde. 5-(nitrophenoxyethyl)-	1079	1057	0.37
(-)-1R-8-Hydroxy-p-menth-4-en-3-one	1110	1098	0.07
Dehydroelsholtzia ketone	1117	1095	78.15
Eugenol	1140	1107	0.15
Beta-Bourbonene	1152	1121	0.66
Isocaryophyllene	1166	1134	0.62
Beta-Cubebene	1170	1147	0.09
Ledene	1174	1177	0.07
Alpha-Caryophyllene	1180	1176	1.87
Alpha-Cubebene	1186	1184	0.05
Naphthalene	1190	1188	0.12
Germacrene D	1192	1194	0.28
Trans-alpha-Bergamotene	1197	1191	0.67
Alpha-Farnesene	1202	1194	0.75
Gamma-Cadinene	1205	1189	0.18
Delta-Cadinene	1208	1199	0.33
Caryophyllene oxide	1224	1203	0.24
Nonane	1243	1212	0.06
Palmitic acid	1275	1254	0.14
Phytol	1286	1273	0.08
Methyl (Z)-5.11.14.17-eicosatetraenoate	1289	1279	0.58
2,6-octadiene. 2,7-dimethyl-	1294	1288	0.09
Sesquiterpenes	-	-	5.93
Oxygenated monoterpenes	-	-	0.22
Oxygenated sesquiterpenes	-	-	5.69
Ketones	-	-	92.27
Others	-	-	1.58
Total	-	-	100.0

*RI – Retention Index

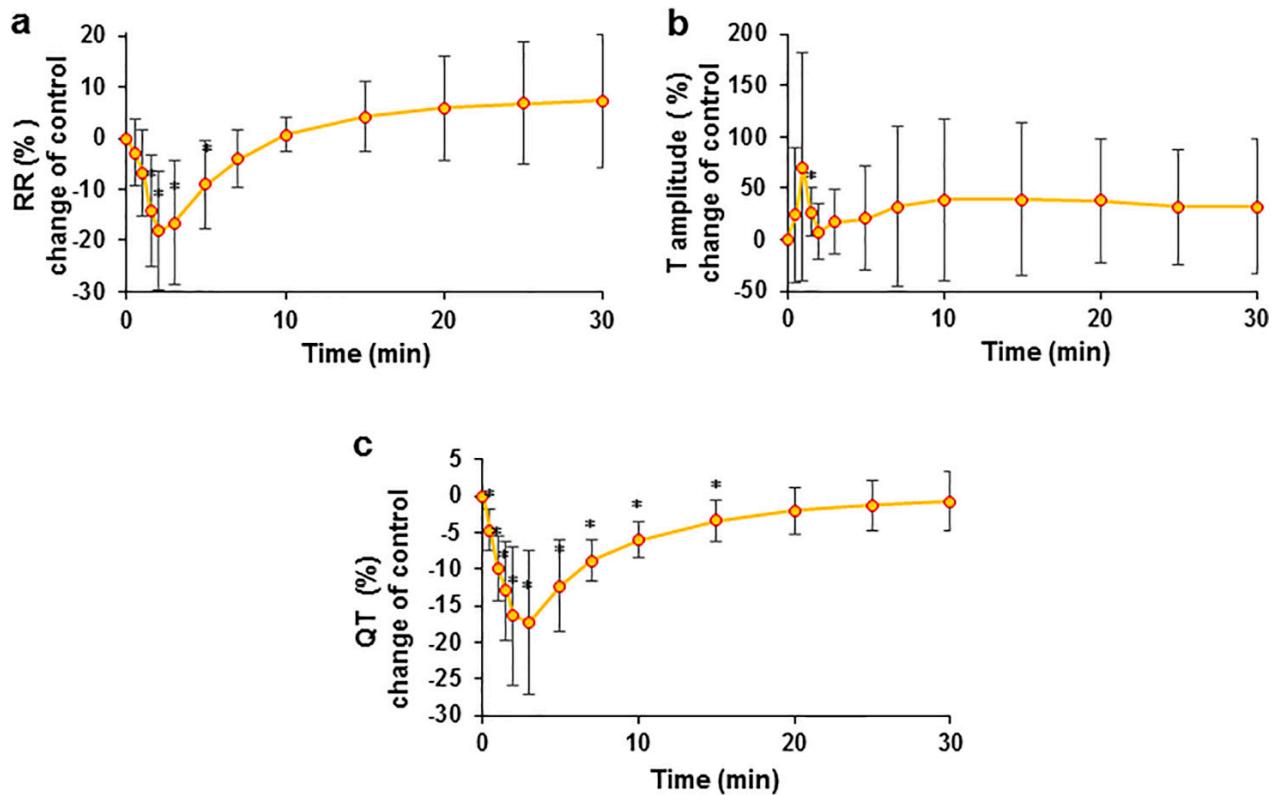


Figure S1. Effect of an intravenous bolus of EO on cardiac electrical activity in swine. Changes in electrocardiogram parameters over time: cardiac cycle ECG recordings at different times after EC bolus: RR interval (a); T wave amplitude (b); and QT interval (c). The data are expressed as the percent change compared to the control. * $p < 0.05$ indicates a significant difference from controls, $n = 8$.

Table S2. Time domain of HRV changes after an intravenous bolus of EC in swine.
* $p < 0.05$ indicates a significant difference compared to the control, $n = 8$.

Parameter	Control	T 2	T 5	T 10	T 20	T 30
SDRR	3.15 ± 1.48	$28.47^* \pm 22.58$	$13.2^* \pm 8.71$	5.88 ± 3.87	$4.55^* \pm 2.01$	4.01 ± 1.78
SDSD	2.92 ± 1.31	3.85 ± 3.77	4.76 ± 6.52	3.87 ± 2.98	3.49 ± 2.29	3.31 ± 1.677
RMSSD	2.91 ± 1.30	3.88 ± 3.76	4.76 ± 6.50	3.86 ± 2.97	3.49 ± 2.29	3.30 ± 1.66

Table S3. Blood parameter changes after an intravenous EO bolus in swine at different time points. Mean \pm SD. * p < 0.05 indicates a significant difference compared to the control, n = 8.

Parameter	T 0	T 1		T 5		T 30		
WBC	12.24	2.47	10.23*	2.11	10.38*	2.82	11.44	2.92
LYM	6.80	1.59	5.94*	1.52	6.05*	1.45	6.44	1.67
MON	0.38	0.15	0.30*	0.12	0.26	0.09	0.26*	0.09
NEU	5.08	2.31	3.98*	1.82	4.04	2.11	4.70	2.59
RBC	5.88	1.07	5.84	1.11	5.95	1.19	5.79	1.19
HGB	109.75	22.11	107.63	22.58	109.00	23.29	107.25	25.26
HCT	0.36	0.08	0.36	0.09	0.38	0.08	0.37	0.08
MCV	61.46	7.49	61.59	7.89	60.36	10.11	63.48	2.70
MCH	18.73	0.61	18.38	0.58	18.28	0.84	18.41	0.76
MCHC	309.13	55.32	304.88	53.52	287.13	16.11	290.25	13.83
RDW	15.68	3.10	15.41	3.24	15.11	1.37	14.91	1.44
PLT	318.25	75.97	290.38*	76.02	289.75	106.49	317.75	59.53
MPV	7.66	0.65	7.59	0.59	7.54	0.32	7.66	0.43
PCT	0.24	0.05	0.22*	0.05	0.22	0.08	0.24	0.04
PDW	17.81	2.02	18.91	2.82	17.54	4.14	18.99	1.42
pH	7.51	0.09	7.52	0.07	7.54	0.08	7.50	0.10
pCO ₂	40.39	10.24	37.93	5.99	35.85	7.75	39.81	11.02
pO ₂	48.64	13.00	54.78	11.48	54.69	13.00	45.76	8.52
cHCO ³⁻	31.15	3.83	30.79	3.51	30.05*	3.47	29.93	3.71
cSO ₂	83.34	10.79	89.39	5.69	88.74*	8.80	81.88	11.91
CTCO ₂	30.40	3.67	30.00	3.32	29.29*	3.28	29.28	3.56
BE (b)	7.54	3.34	7.39	3.56	7.21	3.35	6.35	3.18
BE (ecf)	8.03	3.80	7.93	3.95	7.48*	3.77	6.70	3.66
Na ⁺	142.88	1.73	140.63	3.93	141.50	1.77	141.50	2.00
K ⁺	3.70	0.34	3.88*	0.44	3.90*	0.42	3.93*	0.44
Ca ²⁺	1.22	0.09	1.16	0.13	1.19	0.11	1.21	0.10
Cl ⁻	102.88	2.42	103.63	2.72	103.13	2.75	102.25	2.38
Hct	31.00	6.76	31.38	7.73	31.63	7.61	30.75	7.15
cHgb	10.58	2.32	10.69	2.61	9.45	4.18	10.45	2.47
Glu	55.38	20.58	55.63	22.60	63.25	31.24	72.63	37.80
Lac	1.73	0.54	1.81	0.41	1.93	0.45	2.56	0.93
BUN	5.38	2.07	5.50	1.77	5.13	1.13	5.50	2.00
Crea	1.39	0.30	1.42	0.29	1.37	0.27	1.49*	0.32