

**Table S1.** Chemical composition of *H. cheirifolia* essential oil.

Peak N <sup>o</sup>	RT	RI	<sup>a</sup> Components	Area%
<b>1</b>	<b>8.6250</b>	<b>927</b>	<b><math>\alpha</math>-Pinene</b>	<b>32.59</b>
2	9.1190	939	Camphene	0.43
<b>3</b>	<b>10.114</b>	<b>964</b>	<b>Sabinene</b>	<b>2.32</b>
4	10.229	967	$\beta$ -Pinene	1.33
5	10.875	984	Myrcene	0.45
6	12.301	1017	o-Cymene	0.14
7	12.465	1021	Limonene	0.45
8	15.570	1090	$\alpha$ -Pinene oxide	0.20
9	15.704	1093	Linalool	0.17
10	15.931	1098	(1R)- <i>cis</i> -Verbenol	0.51
11	17.435	1130	<i>trans</i> -Pinocarveol	0.17
12	17.573	1133	(S)- <i>cis</i> -Verbenol	0.15
13	17.727	1136	Verbenol	0.84
14	19.259	1169	Terpinen-4-ol	0.32
15	19.889	1183	(1S)-1,3,3-trimethylnorbornan-2-ol	0.23
16	20.126	1188	Myrtenal	0.23
17	20.697	1200	Verbenone	0.23
18	28.580	1377	Bicyclo[5.2.0]nonane, 4-methylene-2,8,8-trimethyl-2-vinyl-	0.09
19	28.889	1385	1-Methyl-1-ethenyl-2,4-bis(1'-methylethenyl)cyclohexane	1.07
20	30.026	1411	Caryophyllene	1.01
21	31.440	1445	$\alpha$ -Humulene	0.76
22	32.110	1461	(4S,4aR,6R)-4,4a-Dimethyl-6-(prop-1-en-2-yl)-1,2,3,4,4a,5,6,7-octahydronaphthalene	0.09
23	32.395	1468	$\beta$ -Guaiene	0.24
<b>24</b>	<b>32.595</b>	<b>1473</b>	<b>(-)-Germacrene D</b>	<b>11.37</b>
25	32.851	1479	Valencene	1.05
26	33.211	1488	(1S,2E,6E,10R)-3,7,11,11-Tetramethylbicyclo[8.1.0]undeca-2,6-diene	1.78
27	33.375	1492	$\alpha$ -Muurolole	0.14
28	33.553	1496	1-Methyl-1-ethenyl-2,4-bis(1'-methylethenyl)cyclohexane	0.49
29	33.926	1505	Naphthalene, 1,2,4a,5,6,8a-hexahydro-4,7-dimethyl-1-(1-methylethyl)-	0.14
30	34.290	1515	$\delta$ -Cadinene	0.60
31	35.459	1545	(1R,7S,E)-7-Isopropyl-4,10-dimethylenecyclodec-5-enol	0.08
32	35.960	1558	(1S,3aR,4R,8R,8aS)-1-Isopropyl-3a-methyl-7-methylenedecahydro-4,8-epoxyazulene	0.10
33	36.374	1568	Spathulenol	0.93
34	36.480	1571	3,5-Dimethylcyclohex-1-ene-4-carboxaldehyde	0.08
35	36.590	1574	5-Oxatricyclo[8.2.0.0 <sup>4,6</sup> ]dodecane, 4,12,12-trimethyl-9-methylene-, (1R,4R,6R,10S)-	0.65
36	36.789	1579	Caryophyllene oxide	0.30
37	37.591	1600	(1R,3E,7E,11R)-1,5,5,8-Tetramethyl-12-oxabicyclo[9.1.0]dodeca-3,7-diene	0.08
38	37.707	1603	<i>cis</i> -(-)-2,4a,5,6,9a-Hexahydro-3,5,5,9-	0.30

39	38.685	1629	tetramethyl(1H)benzocycloheptene 1H-Cycloprop[e]azulen-7-ol, decahydro-1,1,7- trimethyl-4-methylene-, [1ar- (1a.α.,4a.α.,7.β.,7a.β.,7b.β.)]-	0.05
40	38.828	1633	<i>tau</i> -Cadinol	0.38
41	38.982	1637	Aromadendrene oxide-(2)	0.14
42	39.295	1646	Seychellene	1.66
43	39.626	1655	6-Methyl-2-(4-methylcyclohex-3-en-1- yl)hepta-1,5-dien-4-ol	0.07
44	39.885	1661	Bicyclo[5.3.0]decane, 2-methylene-5-(1- methylvinyl)-8-methyl-	0.15
45	39.991	1664	1,1,4,4-Tetramethyl-1,4-dihydro-2,3- naphthalenedione	0.52
46	40.366	1674	Eudesma-4(15),7-dien-1.β-ol	0.29
47	40.441	1676	2,5-di-tert-Butyl-1,4-benzoquinone	0.24
48	40.607	1681	Shyobunol	0.27
49	40.705	1684	Aristolene	0.12
50	40.775	1685	2,3-Dihydro-3-methoxy-2-(2-methyl-1- propenyl)-1H-inden-1-one	0.26
51	42.569	1735	(1R,7S,E)-7-Isopropyl-4,10- dimethylenecyclodec-5-enol	0.13
52	44.462	1789	9,10-Dimethyl-1,2,3,4,5,6,7,8- octahydroanthracene	1.96
<b>53</b>	<b>44.793</b>	<b>1798</b>	<b>2-(1-Cyclopent-1-enyl-1- methylethyl)cyclopentanone</b>	<b>14.62</b>
<b>54</b>	<b>45.018</b>	<b>1805</b>	<b>Bakkenolide A</b>	<b>9.57</b>
55	45.322	1814	Phenylthioaceticacid, 4-methoxyphenyl ester	1.33
56	45.730	1826	Cyclopropane, 1-butyl-2,2-dimethyl-1- phenylethynyl-	0.17
57	45.800	1828	Neophytadiene	0.08
58	46.361	1845	Aromadendrene oxide-(2)	0.09
59	51.561	2004	2-Cyclopenten-1-one,3- methoxy -4-methyl-	0.32
60	52.215	2025	6-Butyl-3-methoxy-2-cyclohexen-1-one	0.64
61	52.473	2033	3-(1,1-Dimethylallyl)-6-hydroxycoumarin	1.07
62	52.646	2039	Cycloprop[e]indene-1a,2(1H)- dicarboxaldehyde, 3a,4,5,6,6a,6b-hexahydro- 5,5,6b-trimethyl-, (1α,3αβ,6αβ,6βα)-(+)-	0.16
63	52.828	2045	2H-Cyclopropa[g]benzofuran, 4,5,5a,6,6a,6b- hexahydro-4,4,6b-trimethyl-2-(1- methylethenyl)-	0.32
64	53.751	2075	12,13-Epoxy-3,4,7,15-tetrahydroxytrichothec- 9-en-8-one	0.15
65	53.968	2082	(+)-Pyrethronyl (+)-trans-chrysanthemate	0.27
66	54.096	2086	5H-Cyclopropa[a]naphthalen-5-one, 1,1a,2,3,6,7,7a,7b-octahydro-3-hydroxy- 1,1,7,7a-tetramethyl-	0.19
<b>67</b>	<b>58.160</b>	<b>2224</b>	<b>7-Oxabicyclo[4.1.0]heptan-3-ol, 6-(3- hydroxy-1-butenyl)-1,5,5-trimethyl-</b>	<b>2.43</b>
68	58.503	2236	3-Buten-2-one, 4-(2,5,5-trimethyl-3,8- dioxatricyclo[5.1.0.0(2,4)]oct-4-yl)-	0.55

Yield		0.20
Total		100
Monoterpenes	Monoterpeneshydrocarbons (37.71%)	40.76
	Oxygenatedmonoterpenes (3.05 %)	
Sesquiterpenes	Sesquiterpeneshydrocarbons (21.06%)	24.32
	Oxygenatedsesquiterpenes (3.26)	
Other		35.07

<sup>a</sup> Components are listed in order of their RI.

RI: Retention index.

RT: Retention time.