

Supplementary Materials

Table S1. Components name, retention time (min)., molecular weight and molecular formula identified by GC-MS analysis in the *C. longa* ethanolic rhizome extracts from different *Spirulina platensis* aqueous extract (SAE) treatments.

Phytochemicals	Retention time, (min)	Molecular Weight	Molecular formula
(-)-alpha-cedrene	18.882	204.35	C15H24
(-)-Zingiberene	18.369	204.35	C15H24
(1,1-Dimethyldodecyl)benzene	22.800	350.6	C26H38
2,4,4-Trimethyl-3-(3-methylbutyl)cyclohex-2-enone	22.485	208.34	C14H24O
3-Methyl-but-2-enoic acid, 1,7,7-trimethyl-bicyclo[2.2.1]hept-2-yl ester	26.026	236.35	C15H24O2
4-Fluorophenol	15.841	112.1	C6H5FO
4-Hydroxy-3-methylacetophenone	14.756	150.17	C9H10O2
4-Propylphenol	16.012	136.19	C9H12O
alpha.-Curcumene	18.101	174.282	C15H22
Ar-tumerone	21.247	216.32	C15H20O
Benzene, (1,1-dimethylnonyl)-	19.806	232.4	C17H28
Benzene, 1,4-dimethyl-2-(2-methylpropyl)-	20.208	162.27	C12H18
beta.-Sesquiphellandrene	18.870	204.35	C15H24
Caryophyllene	18.607	204.35	C15H24
Cedr-8(15)-ene	18.879	204.35	C15H24
cis oleic acid	28.563	282.5	C18H34O2
cis-Linoleic acid	28.429	266.4	C17H30O2
Coumaran	12.732	146.14	C9H6O2
cuminone	17.132	162.23	C11H14O
Curlone	21.863	218.33	C15H22O
Cyclohexanecarboxylic acid, 3-phenylpropyl ester	24.538	246.35	C16H22O2
Germacron	22.945	218.33	C15H22O
Humulane-1,6-dien-3-ol	21.614	218.33	C15H22O
Linoleic acid ethyl ester	29.007	308.5	C20H36O2
M-cymene	20.201	134.22	C10H14
Oleic Acid	28.560	282.5	C18H34O2
Oleic acid, ethyl ester	29.138	310.5	C20H38O2
Palmetic acid	26.032	256.42	C16H32O2
Pentadecanoic acid	25.716	242.4	C15H30O2
Thymol	11.952	150.22	C10H14O
Tumerone	21.325	218.33	C15H22O
Vanillin	16.464	152.15	C8H8O3