

Investigation on the antidepressant effect of sea buckthorn seed oil through the GC-MS-based metabolomics approach coupled with multivariate analysis

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SUPPLEMENTARY MATERIALS

Table S1 Endogenous metabolites in urine of rats detected by GC- MS.

	Retention time (min)	Metabolites	Ions (m/z)
1	6.82	Linolenic acid	73,95,112
2	6.89	Formic acid	57,71
3	6.95	Malonic acid	55,87,133
4	7.11	L-arginine	77.107
5	7.40	Linoleic acid monoglyceride	73,129,147
6	7.58	Oxalic acid (allyl octyester)	57,71,120
7	7.80	Orthophosphoric acid	81,99,127,155
8	8.79	Succinic acid	66,73,101,129
9	8.87	Benzoic acid	77,105,122,149
10	8.95	Maleic acid	55,71,99,127
11	9.72	Glycine	56,84,128
12	10.12	Glutaric acid	56,84,115
13	10.22	Alphatoluic acid	65,91,136
14	10.53	Malic acid	71,89,117
15	10.62	Alanine	72,88,116
16	13.24	Hexanedioic acid	83,111,128
17	13.40	L-valine	72,98,116,144
18	15.21	L-leucine	58,102,158
19	15.63	L-isoleucine	74,102,130,158
20	15.81	Pimelic acid	55,79,97,125
21	16.31	L-proline	70.100.128,156
22	17.13	Cl-Phenylalanine	103,131,147

23	18.22	4-Methoxyphenylacetic acid	77,91,121
24	18.41	Suberic acid	69,97,115,143
25	19.62	sumiki's acid	112,139,167
26	21.34	Citrate	129,157
27	22.61	Cinnamic acid	91,131,147
28	23.26	Isonipecotic acid	84,128,156,184
29	23.49	Benzoyl-glycine	77,105,134,161
30	25.17	Phenylalanine	103,148
31	25.77	Phthalic acid	149,125
32	26.23	Aminohippuric acid	77,91,120,148,194
33	26.37	Indolepyruvate	130,157
34	27.61	Acetyl citrate	83,101,129,157
35	32.88	Stearic acid	55,87,129
36	34.08	Palmitic acid	157,199,213,269
37	40.79	Glycerol 1-hexadecanoate	83,98,239
38	44.51	Glycerol 1-octadecanoate	83,98,267
