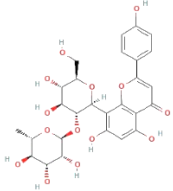
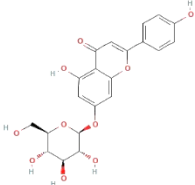
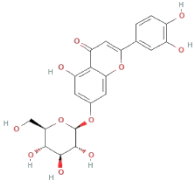
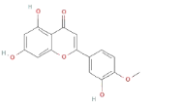
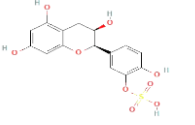
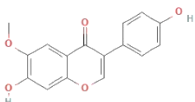
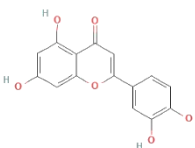
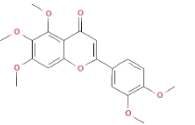
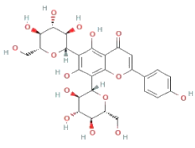
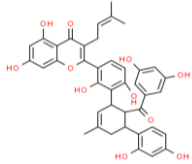
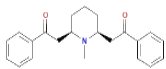
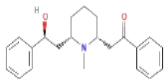
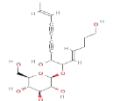
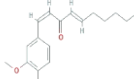
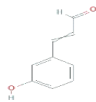
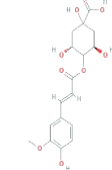
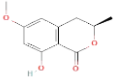
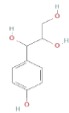
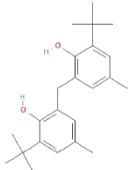
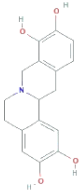
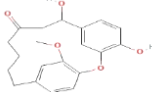
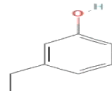
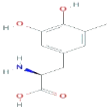
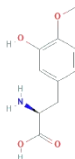
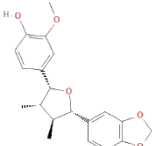
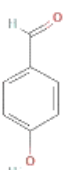
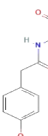
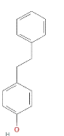
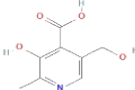
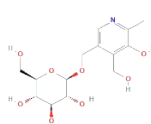
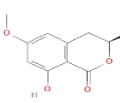
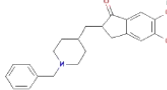
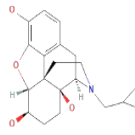
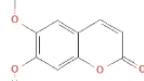


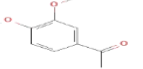
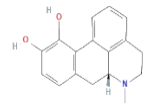
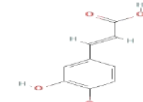
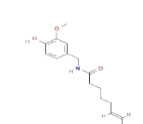
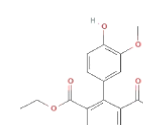
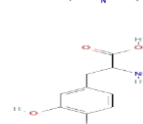
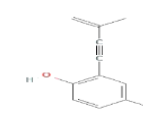
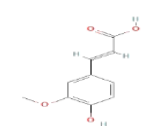
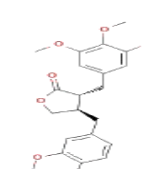
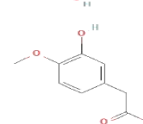
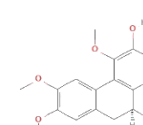
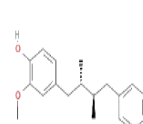
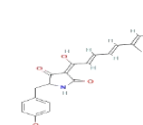
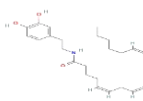
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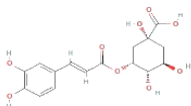
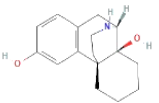
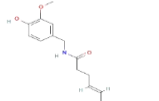
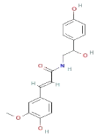
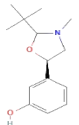
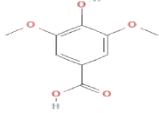
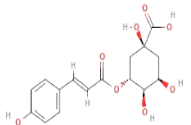
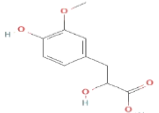
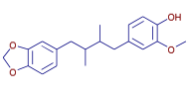
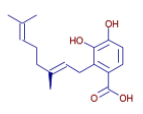
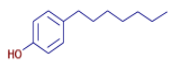
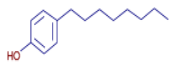
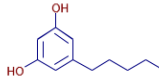
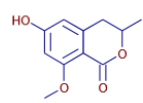
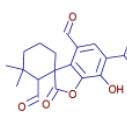
Supplementary 1. The compounds identified in *H. longiflora* extract using HRMS

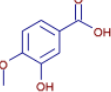
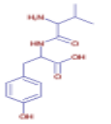
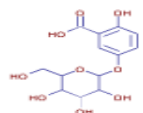
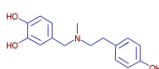
NO	Compound	Retention time (minute)	Chemical structure	Molecular weight	Accuracy (delta mass) (ppm)	Abundance
FLAVONOID						
F1	2-O-Rhamnosylvitexin	6.61		578.16	-2.8	628712.08
F2	Apigetrin	6.57		432.10	-1.79	13783622.24
F3	Cynaroside	5.98		448.09	-1.61	25692755.52
F4	Diosmetin	8.72		300.06	-2.66	139230498.06
F5	Epicatechin-3'-Sulfate	7.66		370.03	-1.43	8342031.68
F6	Glycitein	10.21		284.06	-0.89	440728638.71
F7	Luteolin	7.73		286.05	-1.05	58062863.08
F8	Sinensetin	7.03		372.11	-2.64	84241.83
F9	Violantin	5.74		578.16	-2.23	168738.63

F10	2-(2,4-Dihydroxyphenyl)-5,7-dihydroxy-3-(3-methyl-2-buten-1-yl)-4H-chromen-4-one	11.87		354.10	-3.71	24658.99
MARKER COMPOUND						
M1	Lobelanine	8.34		335.18	-3.38	913118860.90
M2	Lobeline	7.85		337.20	-3.44	33897650384.84
M3	Lobetyolin	6.76		396.17	-0.99	43763679
PHENOLIC						
P1	[6] Dehydroshogaol	13.27		274.15	-2.51	66772.49
P2	3-Hydroxycinnamaldehyde	7.63		148.05	-4.57	5087645.92
P3	4-Feruloylquinic acid	5.10		368.11	-1.39	467716.64
P4	6-Methoxymellein	7.06		208.07	-2.96	1445533.59
P5	p hydroxyphenyl glycerol	4.23		184.07	-2.22	117831.17
P6	Antioxidant 2246 2,3,9,10-Tetrahydroxyberbine	6.72		340.23	-1.81	507674.04
P7	2,3,9,10-Tetrahydroxyberbine	6.72		299.11	-1.81	264248.55
P8	Hydroxygaleon	10.18		342.14	-1.76	118088.27
P9	3-Ethylphenol	4.23		122.07	-1.48	36860964.35

P10	3-Hydroxy-5-methyl-L-tyrosine	5.02		211.08	-1.81	20667815.13
P11	3-Hydroxy-O,5-dimethyl-L-tyrosine	6.17		225.09	-2.76	9148082.60
P12	Austrobailignin	10.28		342.14	-3.67	289290.56
P13	4-hydroxybenzaldehyde	4.52		122.03	-0.47	1387240.40
P14	4-Hydroxyphenylacetyl-glycine	2.74		209.06	-3.17	629254.69
P15	4-Phenethylphenol	14.70		198.10	-2.32	4895878.26
P16	4-Pyridoxic acid	1.22		183.05	-4.74	722717.31
P17	5'-O-beta-D-Glucosylpyridoxine	1.978		331.12	-2.55	170775.72
P18	6-methoxymellein	6.81		208.07	-3.2	605393.22
P19	6-O-DesmethylDonepezil	8.63		365.19	-2.54	598075434.44
P20	6β-Naltrexol	4.75		343.17	-2.12	1487799.65
P21	Scopoletin	5.82		192.04	-1.93	3799718.85

P22	Apocynin	9.10		166.06	-1.4	695467.50
P23	Apomorphine	5.77		166.06	-1.13	550505.39
P24	Caffeic acid	4.20		180.04	-4.63	16881246.95
P25	Capsaicin	4.58		305.19	-3.33	1269684216.56
P26	Oprea1_363756	2.41		204.09	-2.52	129781.26
P27	Dihydroxyphenylalanine	2.82		197.06	-1.57	241405.37
P28	Eutypine	8.97		186.06	-3.71	685866.40
P29	Ferulic acid	8.35		194.05	-2.9	2309770.55
P30	Hernanol	9.75		402.16	-2.87	79832.53
P31	Homoisovanillic acid	5.64		182.05	-1.34	840494.79
P32	Laurolistine	7.63		313.13	-1.62	3001284.86
P33	Macelignan	11.84		328.16	-3.07	173872.28
P34	militarinone C	9.26		423.23	-2.68	36421690391.93
P35	N-Arachidonoyl dopamine	16.21		439.30	-2.65	14094.20

P36	Neochlorogenic acid	3.95		354.09	-0.79	428418.10
P37	Norbutorphanol	8.95		259.15	-2.06	58182795.30
P38	Dinorcapsaicin	5.27		277.16	-1.37	155296741.77
P39	N-trans-Feruloyloctopamine	6.92		329.12	-2.3	465117.47
P40	Berefrine	5.04		235.15	-1.3	111910.04
P41	Syringic acid	4.64		198.05	-3.6	358687.83
P42	trans-5-O-(4-coumaroyl)-D-quinic acid	5.28		338.09	-0.8	1768458.50
P43	vanillic acid	4.82		212.06	-2.85	11834454.00
P44	2-(3,4-Dihydroxyphenyl) ethyl 3-O-(6-deoxy-β-L-mannopyranosyl)-6-O-[(2E)-3-(3,4-dihydroxy phenyl)-2-propenoyl]-β-D-glucopyranoside	5.99		624.20	-2.48	56685.36
P45	4-[(2E)-3,7-Dimethyl-2,6-octadien-1-yl]-2-formyl-3-hydroxy-5-methoxybenzyl stearate	15.56		584.44	-3.02	31966397.64
P46	4-Heptylphenol	5.94		192.15	-2.07	1568321.28
P47	4-Octylphenol	15.10		206.16	-2.79	15492158.50
P48	5-Pentylresorcinol	5.20		180.11	-2.01	6914290.90
P49	6-Hydroxy-8-methoxy-3-methyl-3,4-dihydro-1H-isochromen-1-one	5.24		208.07	-2.77	436438.95
P50	(-)- Rosmadial	9.98		344.16	-3.41	272319.25

P51	8-Hydroxyquinoline	3.37		145.05	-2.08	6497655.07
P52	Isovanillic acid	4.22		168.04	-3.63	751994.36
P53	MFCD02728197	2.71		280.14	-1.26	132271.57
P54	Benzoic acid +20, O-Hex	1.67		316.07	-0.42	32336642.95
P55	4-([2-(4-Hydroxyphenyl)ethyl] (methyl) amino) methyl)-1,2-benzenediol	10.86		273.13	-2.91	20059.40