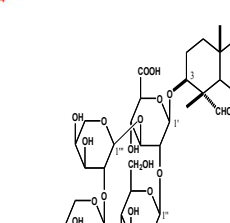
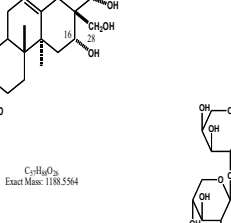


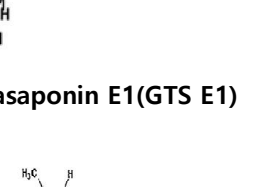
theasaponin E1 (GTS E1)



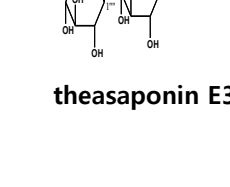
theasaponin E3



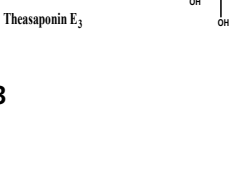
theasaponin C1




theasaponin E2



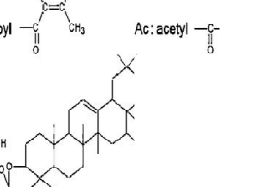
theasaponin E4




theasaponin E5




theasaponin E6




theasaponin E7



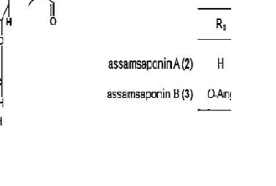
theasaponin E8




theasaponin E9




theasaponin E10




theasaponin E11



theasaponin E12



theasaponin E13



theasaponin E14

assamsaponin A & B

Table S1. Theasaponin E1 NMR data

5. ¹³C-NMR data of 544-4 in pyridine-<i>d</i>₅.					
Position	544-4	reference	Position	544-4	reference
1	38.5	38.3	1'	104.4	104.1
2	25.5	25.2	2'	78.6	78.4
3	84.8	84.5	3'	84.1	84.2
4	55.4	55.2	4'	71.2	70.8
5	48.7	48.4	5'	76.9	77.3
6	20.7	20.4	6''	171.3	171.8
7	32.7	32.5	1''	103.6	103.2
8	40.6	40.4	2''	74.0	73.7
9	47.1	46.8	3''	75.7	75.3
10	36.4	36.1	4''	70.8	70.5
11	24.1	23.8	5''	76.8	76.5
12	123.4	123.1	6''	62.4	62.1
13	143.3	142.9	1'''	102.0	101.7
14	42.0	41.8	2'''	82.3	82.3
15	34.9	34.6	3'''	73.8	73.4
16	68.2	68.1	4'''	68.7	68.4
17	48.3	48.0	5'''	66.5	66.1
18	40.4	40.2	1''''	107.4	107.0
19	47.5	47.2	2''''	76.3	75.9
20	36.6	36.3	3''''	78.5	78.2
21	79.2	78.9	4''''	70.8	70.8
22	74.6	74.5	5''''	68.0	67.5
23	210.3	209.8	1'''''	168.2	167.9
24	11.4	11.0	2'''''	129.3	129.0
25	16.1	15.8	3'''''	137.5	137.0
26	17.1	16.9	4'''''	16.3	15.9
27	27.7	27.4	5'''''	21.4	21.0
28	64.1	64.0	1'''''	170.4	171.1

29	29.8	29.5	2'''''	21.2	20.9
30	20.6	20.3			

Table S2. TheasaponinC1 NMR data

Table 6. ¹³ C-NMR data of 551G3-1 in pyridine- <i>d</i> ₅ .					
Position	551G3-1	Theasaponin C ₁ ^a	Position	551G3-1	Theasaponin C ₁ ^a
1	39.0	38.7	1'	104.4	104.1
2	25.8	25.5	2'	78.8)	78.5
3	83.3	83.1	3'	84.2	84.6
4	43.8	43.5	4'	70.5	71.0
5	48.4	48.2	5'	77.1	77.4
6	18.4	18.2	6''	172.3	172.0
7	33.1	32.8	1''	103.4	103.2
8	40.4	40.1	2''	74.0	73.8
9	47.3	47.0	3''	75.5	75.3
10	37.0	36.8	4''	70.4	70.1
11	24.1	23.9	5''	76.8	76.5
12	123.4	123.1	6''	62.2	61.9
13	144.0	143.7	1'''	101.9	101.7
14	41.9	41.6	2'''	82.6	82.3
15	35.4	35.2	3'''	73.7	73.4
16	70.4	70.1	4'''	68.6	68.3
17	45.1	44.8	5'''	66.9	66.6
18	41.2	40.9	1''''	107.3	107.1
19	47.7	47.4	2''''	76.2	75.9
20	32.3	32.1	3''''	78.5	78.3
21	42.0	41.7	4''''	71.1	70.8
22	73.3	73.0	5''''	67.8	67.5
23	65.1	64.8	1'''''	168.3	168.0
24	13.9	13.6	2'''''	129.8	129.5
25	16.5	16.2	3'''''	136.9	136.6
26	17.2	16.9	4'''''	16.2	15.9
27	27.9	27.6	5'''''	21.3	21.0
28	63.9	63.6			
29	33.7	33.5			
30	25.5	25.2			

Table S3. Theasaponin E3 NMR data

Table 4. ¹³ C-NMR data of 544-3 in pyridine- <i>d</i> ₅					
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Position	544-3	Theasaponin E ₃ ^a	Position	544-3	Theasaponin E ₃ ^a
1	38.5	38.2	1'	104.5	104.2
2	25.6	25.3	2'	78.5	78.3
3	84.4	84.1	3'	84.9	84.5
4	55.5	55.2	4'	71.4	70.8
5	48.7	48.2	5'	77.5	77.3
6	20.7	20.4	6''	171.1	172.0
7	32.7	32.4	1''	103.6	103.3
8	40.6	40.3	2''	74.0	73.7
9	47.1	46.9	3''	75.7	75.4
10	36.4	36.2	4''	70.8	70.4
11	24.1	23.8	5''	76.9	76.5
12	123.4	123.1	6''	62.4	62.1
13	143.1	143.6	1'''	101.9	101.7
14	42.1	41.9	2'''	82.3	82.4
15	34.9	34.4	3'''	73.7	73.4
16	68.2	67.8	4'''	68.6	68.3
17	47.6	47.8	5'''	66.7	66.6
18	40.8	40.5	1''''	107.4	107.1
19	47.4	47.0	2''''	75.7	75.9
20	36.3	36.1	3''''	78.5	78.3
21	81.5	81.7	4''''	71.1	70.8
22	73.6	73.1	5''''	67.8	67.5
23	210.4	209.9	1'''''	168.9	168.7
24	11.4	11.1	2'''''	129.8	129.6
25	16.1	15.8	3'''''	136.3	136.0
26	17.3	16.9	4'''''	16.2	15.9
27	27.7	27.4	5'''''	21.4	21.1
28	66.3	66.0	1'''''	64.3	64.5
29	30.1	29.9			
30	20.6	20.4			

Table S4.NMR data of Assamsaponin A and Assamsaponin B

Assamsaponin A		Assamsaponin B	
δ_C (ppm)	δ_H (ppm, J)	δ_C (ppm)	δ_H (ppm, J)
37.9	1.53 (m)	37.5	1.53(m)
23.6	1.51 (m)	24.6	1.48 (m)
81.3	3.62 (m)	73.4	3.59 (m)
21.0		22.3	
48.2	1.25 (m)	41.4	1.22 (m)
19.6	1.37 (m)	18.6	1.31 (m)
31.4	1.45 (m)	30.5	1.45 (m)
39.3		35.2	
45.7	1.57(m)	41.7	1.59 (m)
35.1		34.6	
22.7	1.62 (m)	23.8	1.61 (m)
122.4	5.11 (br s)	120.4	5.18 (m)
140.8		140.2	
40.3		40.2	
31.3	1.49 (m)	31.6	1.33 (m)
15.4	0.82 (s)	15.0	0.84 (s)
14.3	0.81 (s)	15.0	0.83 (s)
25.9	1.32 (s)	24.3	1.37 (s)
62.8	3.6 (m),	62.3	3.1 (m)
33.4	1.85 (s)	31.4	1.84 (s)
24.3	2.96 (s)	23.9	2.0 (s)
101.3	4.1(br s)	101.3	4.16 (br s)
73.7	3.41 (m)	73.6	3.46 (m)
59.2	2.51(m)	59.3	3.58 (m)
79.4	2.62(m)	78.2	3.60(m)

65.8	3.61 (m)	62.2	3.65 (m)
171.1		171.2	
101.7	4.31 (m)	101.5	4.30(m)
71.4	3.11 (m)	73.5	3.09(m)
73.5	3.26 (m)	69.7	3.29(m)
68.1	3.45 (m)	68.1	3.42(m)
74.6	3.31(m)	72.3	3.37(m)
59.8	3.56(m)	60.2	3.47 (m)
69.3	3.29 (m)	75.1	3.32 (m)
74.6	3.37 (m)	73.6	3.37 (m)
69.5	3.47 (m)	69.3	3.47 (m)
81.6	3.58 (m)	81.7	3.52 (m)
104.6	4.29 (br s)	104.1	4.32 (d, 7.27)
69.3	3.29 (m)	69.8	3.78(m)
76.4	3.10 (m)	76.7	3.67(m)
73.8	3.00 (m)	73.2	3.45(m)
65.7	3.06 (m)	65.7	3.19 (m)
165.4		165.3	
126.3		126.9	
112.4	5.01 (dq)	112.5	6.08 (dq)
12.3	1.89(m)	12.7	1.89(m)
25.3	1.79(s)	25.3	1.78 (s)