

SUPPLEMENTARY TABLE S2. NMR SPECTROSCOPIC DATA (500 MHz, DMSO) FOR COMPOUNDS 4–6

No. of carbon	4. Isorhamnetin		5. Chrysosplenetin		6. Acacetin	
	$\delta_C$	$\delta_H$ (J in Hz)	$\delta_C$	$\delta_H$ (J in Hz)	$\delta_C$	$\delta_H$ (J in Hz)
2	146.6	—	156.0	—	164.7	—
3	135.8	—	138.7	—	104.0	6.87, s
4	175.9	—	178.9	—	182.2	—
5	160.7	—	152.8	—	161.9	—
6	98.2	5.75, d (2)	132.3	—	99.4	6.21, d (2)
7	164.0	—	158.8	—	162.8	—
8	93.6	6.03, d (2)	90.4	6.50, s	94.5	6.51, d (2)
9	156.2	—	152.3	—	157.8	—
10	103.3	—	106.6	—	104.2	—
1'	121.7	—	122.4	—	123.3	—
2'	111.7	7.31, d (2.5)	110.9	7.71, m	128.8	8.03, dd (2, 7)
3'	147.4	—	146.4	—	115.0	7.11, dd (2, 7)
4'	148.8	—	148.4	—	163.8	—
5'	115.6	6.49, d (8)	114.6	—	115.0	7.11, dd (2, 7)
6'	122.0	7.25, dd (2.5, 8)	122.6	7.67, m	128.8	8.03, dd (2, 7)
3-OCH <sub>3</sub>	—	—	—	—	60.1	3.80, s
6-OCH <sub>3</sub>	—	—	—	—	60.5	3.73, s
7-OCH <sub>3</sub>	—	—	—	—	56.9	3.92, s
3'-OMe	55.8	3.4, s	60.2	3.99, s	—	—
4'-OMe	—	—	—	—	56.0	3.87, s
3-OMe	—	—	56.3	3.87, s	—	—
6-OMe	—	—	60.9	3.92, s	—	—
7-OMe	—	—	56.1	3.96, s	—	—

DMSO, dimethyl sulfoxide; NMR, nuclear magnetic resonance.

SUPPLEMENTARY TABLE S3. NMR SPECTROSCOPIC DATA (500 MHz, OR DMSO) FOR COMPOUNDS 7–9

No. of carbon	7. <i>Imperatorin</i>		8. <i>6,7-Dihydroxycoumarin</i>		9. <i>Scopoletin</i>	
	$\delta_C$	$\delta_H$ (J in Hz)	$\delta_C$	$\delta_H$ (J in Hz)	$\delta_C$	$\delta_H$ (J in Hz)
2	159.6	—	161.3	—	161.1	—
3	114.3	6.36, d (9.5)	111.2	6.17, d (9.5)	112.1	6.22, d (9.5)
4	144.7	8.05, d (9.5)	144.9	7.87, d (9.5)	144.9	7.91, d (9.5)
5	113.9	7.63, s	—	6.75, s	110.1	7.22, s
6	126.0	—	143.3	—	145.7	—
7	148.6	—	150.9	—	151.6	—
8	131.2	6.03, d (2)	103.1	6.99, s	103.2	6.78, s
9	144.0	—	144.9	—	150.0	—
10	116.7	—	112.0	—	110.0	—
1'	—	—	122.4	—	—	—
2'	—	7.96, d (2)	110.9	—	—	—
3'	106.9	7.01, d (2)	146.4	—	—	—
4'	148.8	—	148.4	—	—	—
5'	115.6	—	114.6	—	—	—
6'	122.0	—	122.6	—	—	—
2''	69.5	4.98, d (7)	—	—	—	—
3''	—	5.57, m	—	—	—	—
5''	17.2	—	—	—	—	—
6''	24.9	—	—	—	—	—
Me-5''	—	1.70, s	—	—	—	—
Me-6''	—	1.72, s	—	—	—	—
6-OMe	—	—	—	—	56.5	3.82, s

Imperatorin: NMR spectroscopic data (500 MHz, acetone-*d*<sub>6</sub>).

SUPPLEMENTARY TABLE S4. NMR SPECTROSCOPIC DATA (500 MHz, DMSO) FOR COMPOUNDS 10 AND 11

No. of carbon	10. Kaempferol 3- $\beta$ -D-glucoside		11. Quercetin-3- $\beta$ -D-glucoside	
	$\delta_C$	$\delta_H$ (J in Hz)	$\delta_C$	$\delta_H$ (J in Hz)
2	156.9	—	156.6	—
3	133.6	—	133.8	6.87, s
4	177.9	—	177.9	—
5	161.7	—	161.7	—
6	99.2	6.21, d (2)	99.1	6.21, d (2)
7	164.7	—	164.6	—
8	94.1	6.44, d (2)	94.0	6.41, d (2)
9	156.7	—	156.8	—
10	104.4	—	104.4	—
1'	121.4	—	121.6	—
2'	131.4	8.04, d (2)	115.7	7.59, d (2)
3'	115.6	6.89, d (9)	145.3	7.11, dd (2, 7)
4'	160.4	—	148.9	—
5'	115.6	6.89, d (9)	116.7	6.85, d (9)
6'	131.4	8.04, d (2)	122.1	7.57, dd (2.9)
glc-C-1	101.3	5.46, d (7.5)	101.3	5.47, d (7.5)
glc-C-2	74.7	—	74.6	3.73, s
glc-C-3	78.0	—	78.0	3.92, s
glc-C-4	70.3	—	70.4	—
glc-C-5	76.9	—	77.0	3.87, s
glc-C-6	61.3	—	61.4	—
glucose	—	3.58–3.09	—	3.60–3.10
7-OMe	—	—	—	—