SUPPLEMENTARY MATERIAL

A new phenone from the roots of *Paeonia suffruticosa* Andrews

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Abstract: Thirteen phenones were obtained from the 70% ethanol extract of *Paeonia suffruticosa* Andrews. Their structures were determined on the basis of chemical methods and spectral data. Among them, compound **1** was identified as a new compound, compounds **5** and **13** were obtained from genus *Paeonia* for the first time. The inhibitory effects of isolated compounds (**1-12**) on nitric oxide (NO) production in lipopolysaccharide-activated macrophages were evaluated, and NO production was suppressed significantly by compound **7**.

Keywords: *Paeonia suffruticosa* Andrews, phenones, nitric oxide

Table S1 ^1H and ^{13}C NMR spectroscopic data for compound **1** in CD_3OD

No.	$^{13}\text{C}^{\text{a}}$	$^1\text{H}^{\text{b}}$
1	112.2	
2	160.9	
3	100.4	6.50 (s)
4	157.7	
5	139.5	
6	119.5	7.64 (s)
7	203.6	
8	25.6	2.54 (s)
-OCH ₃	55.7	3.89 (s)
Glc-1'	102.9	4.78 (d, 7.2)
2'	74.0	3.46 (m)
3'	77.5	3.42 (m)
4'	70.6	3.34 (t, 8.8)
5'	77.0	3.45 (m)
6'	61.7	3.66 (dd, 12.1, 6.5) 3.91 (dd, 12.1, 1.6)

^a 75 MHz for ^{13}C NMR.

^b 300 MHz for ^1H NMR; the coupling constants (J) are in parentheses and reported in Hz; chemical shifts are given in ppm.

Figure S1 HR-ESI-MS Spectrum of Compound **1**

Figure S2 UV Spectrum of Compound 1

Figure S3 IR Spectrum of Compound 1

Figure S4 The ^1H -NMR Spectrum of Compound 1 in CD_3OD

Figure S5 The ^{13}C -NMR Spectrum of Compound 1 in CD_3OD

Figure S6 The HSQC Spectrum of Compound 1 in CD_3OD

Figure S7 The HMBC Spectrum of Compound 1 in CD₃OD

AV-600-NOESY
Sample:

Figure S8 The NOESY Spectrum of Compound 1 in CD₃OD