Bioorganic & Medicinal Chemistry Letters 20 (2010) 3186–3187

Contents lists available at ScienceDirect

Bioorganic & Medicinal Chemistry Letters

journal homepage: www.elsevier.com/locate/bmcl

Erratum

Corrigendum to "Neolignans from Piper kadsura and their anti-neuroinflammatory activity" [Bioorg. Med. Chem. Lett. 20 (2010) 409]

Ki Hyun Kim [a], Jung Wook Choi [a], Sang Keun Ha [b], Sun Yeou Kim [b], Kang Ro Lee [a,*]

[a] Natural Products Laboratory, College of Pharmacy, Sungkyunkwan University, 300 Chonchon-dong, Jangan-ku, Suwon 440-746, Republic of Korea
[b] East–West Medical Science Integrated Research Center, Graduate School of East–West Medical Science, Kyung Hee University, #1 Seocheon-dong, Kihung-ku, Yongin-City, Kyungki-Do 446-701, Republic of Korea

The authors regret that this article contains a number of errors. The structure of compound **1** was revised. Therefore, the following corrections should be made.

1. In page 409, *lines 5–8 from the bottom right of the text should read as:* In the positive mode FABMS of **1**, a molecular ion peak $[M+H]^+$ at *m/z* 357 was observed, and the molecular formula of **1** was determined to be $C_{20}H_{20}O_6$ by HR-FABMS and a molecular ion peak $[M+H]^+$ at *m/z* 357.1335 was observed (calcd for $C_{20}H_{21}O_6$, 357.1338).

2. In page 410, *line 5 of the text to the right should read as:* one methoxy carbon at δ 59.2 (OCH_3-3′).

3. In page 411, *line 3 of the text to the left should read as:* phenyl-7,8-epoxy-8-substituted-propanol group (unit A).

4. In page 411, *lines 7–8 of the text to the left should read as:* presence of 3-methoxy-4-hydroxy-5-substitued-cyclohexa-1,3-dienone group (unit B).

5. In page 411, *line 9 of the text to the left should read as:* between OCH_3-3' and C-3' instead of between OCH_3-4' and C-4'.

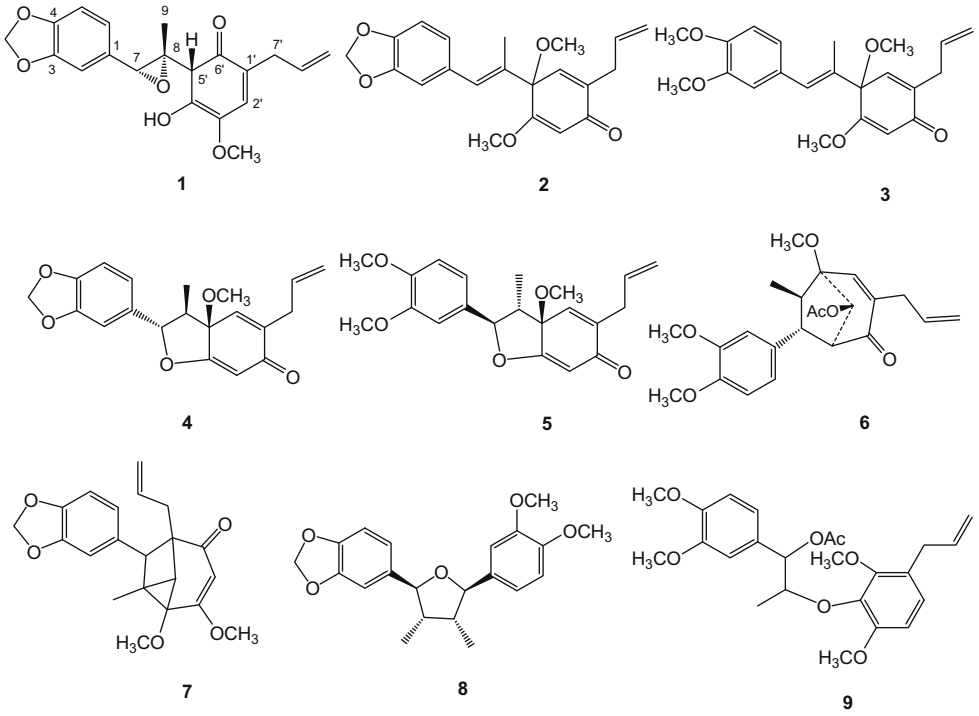


Figure 1. The structures of compounds **1–9** isolated from *P. kadsura*.

☆ DOI of original article: 10.1016/j.bmcl.2009.10.016.
* Corresponding author. Tel.: +82 31 290 7710; fax: +82 31 290 7730.
E-mail address: krlee@skku.ac.kr (K.R. Lee).

0960-894X/$ - see front matter
doi:10.1016/j.bmcl.2010.04.003

Table 1
^{1}H and ^{13}C NMR data for compound **1** (δ in ppm, 500 MHz for ^{1}H and 125 MHz for ^{13}C, in $CDCl_3$)

Number	1		
	δ_H	δ_C	HMBC
1		133.9, C	
2	6.92 (d, 1.5)	108.8, CH	1, 3, 4, 6, 7
3		147.6, C	
4		146.8, C	
5	6.76 (d, 7.5)	108.1, CH	1, 3, 4, 6
6	6.75 (dd, 1.5, 7.5)	122.7, CH	1, 2, 4, 5, 7
7	3.64 (s)	65.3, CH	1, 2, 6, 8, 9, 4′, 5′, 6′
8		50.4, C	
9	0.96 (s)	16.8, CH_3	7, 8, 5′, 6′
1′		132.6, C	
2′	7.00 (s)	157.2, CH	1′, 3′, 4′, 6′, 7′
3′		131.7, C	
4′		147.0, C	
5′	3.36 (s)	58.6, CH	7, 8, 9, 1′, 3′, 4′, 6′
6′		197.2, C	
7′	2.91 (dd, 1.5, 5.5)	33.0, CH_2	1′, 2′, 6′, 8′, 9′
8′	5.82 (m)	135.5, CH	1′, 7′, 9′
9′	5.06 (dd, 1.5, 5.5)	116.7, CH_2	1′, 7′, 8′
	5.08 (dd, 1.5, 12.0)		
O–CH_2–O	5.94 (s)	101.1, CH_2	3, 4
OCH_3-3′	3.82 (s)	59.2, CH_3	3′

Assignments were confirmed by ^{1}H–^{1}H COSY, HMQC, HMBC, and NOESY spectra.

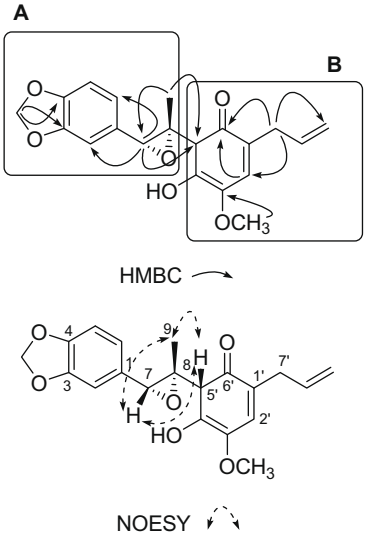
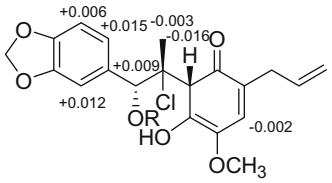


Figure 2. Key 2D NMR (HMBC, NOESY) correlations of **1**.



1s R = (*S*)-MTPA

1r R = *(R)*-MTPA

Figure 3. Difference in the Δ_{SR} ($\delta_S - \delta_R$) values of the chlorinated MTPA esters of **1**.

6. In page 411, *lines 11–13 of the text to the left should read as:* in the HMBC spectrum from H-7 to C-4', C-5', C-6', from H-9 to C-5', C-6', and from H-5' to C-7, C-8, C-9.

7. In page 411, *lines 3–5 of the text to the right should read as:* Compound **1** was fortunately, esterified by (*S*)- and (*R*)-MTPA chlorides to yield the chlorinated (*R*)- and (*S*)-MTPA esters, respectively.

8. In page 411, *lines 8–9 of the text to the right should read as:* C-7 of **1** was the *R* configuration. We therefore propose the structure of **1** in Figure 1, which is similar to that of piperkadsin B.[2]

9. In page 412, *lines 1–5 of the text to the left should read as:* compound **1** represents a rearranged neolignan of piperkadsin B bearing 7,8-epoxy group. Thus, compound **1** was determined to be a new neolignan, (7*R*)-7,8-epoxy-3,4-methylenedioxyphenyl-3′-methoxy-4′-hydroxy-6′-oxo-Δ-$^{1',3',8'}$-8.5′-lignan, namely, piperkadsin C.

10. In Supplementary Content:

***Piperkadsin C* (1):** FAB-MS (positive mode) *m/z*: 357 $[M+H]^+$; HRFABMS *m/z*: 357.1335 $[M+H]^+$ (Calcd for $C_{20}H_{21}O_6$: 357.1338).

11. There were errors in Table 1. The correct format of Table 1 appears below.

12. In Figure 1 was corrected. The correct format of Figure 1 appears below.

13. In Figure 2 was corrected. The correct format of Figure 2 appears below.

14. In Figure 3 was corrected. The correct format of Figure 3 appears below.