Three-membered Ring Sesquiterpenoids with NGF-Potentiating activity from the Roots of *Valeriana fauriei*

The structures of compounds 1~3 reported in this paper, Planta Medica, 2006, 72: 373–375, were incorrect. In this erratum, we report the corrected structures of compounds 1~3 (Fig. 1). Among them, compound 1 is isobicyclogermacrenal previously reported in the literature [1], while compounds 2 and 3 are new sesquiterpenoids. Their NMR data are assigned correctly in Table 1 based on 2D NMR spectra and the comparison of the spectral data with those reported in the literature for 1 [1].

¹ Tucker DJ, Southwell IA, Lowe RF, Russell MF, Brerton IM. ¹H and ¹³C-NMR assignments for the sesquiterpene aldehydes, lepidozenal and isobicyclogermacrenal, from *Eucalyptus dawsonii*. Magnetic Resonance in Chemistry 2007; 45: 1081–3

14 R

$$\frac{1}{3}$$
 $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{13}$ $\frac{1}{1$

Fig. 1 Structures of compounds 1 ~ 3.

| Position | 1 | | 2 | | 3 | |
|--------------------|-----------------------|--------------|--------------------------------|-------|--|--------------|
| | $\delta_{H}{}^{a}$ | δ_{C} | | | $\delta_{\!\scriptscriptstyleH}{}^{\scriptscriptstylea}$ | δ_{C} |
| 1 | 5.00 dd (11.0/5.5) | 124.3 | 4.84 dd (11.0/5.5) | 126.5 | 5.09 dd (11.0/5.5) | 129.6 |
| 2 | 2.07 m 2.16 m | 27.7 | 1.82 m 1.90 m | 27.7 | 1.95 m 2.05 m | 27.2 |
| 3 | 2.74 m 1.94 m | 23.5 | 2.44 d (12.4) 1.66 m | 23.2 | 2.57 m 1.76 m | 22.7 |
| 4 | | 142.9 | | 142.3 | | 142.0 |
| 5 | 6.24 d (9.5) | 156.1 | 6.06 d (9.7) | 156.7 | 6.14 d (9.5) | 155.2 |
| 6 | 1.43 t (9.5/9.5) | 29.8 | 1.13 dd (9.7/8.9) | 29.7 | 1.22 t (9.5/9.5) | 28.9 |
| 7 | 0.90 m | 38.2 | 0.65 m | 37.2 | 0.71 m | 36.4 |
| 8 | 0.81 m 1.78 m | 23.4 | 0.56 m 1.52 m | 23.6 | 0.64 m 1.63 m | 23.2 |
| 9 | 1.96 m 2.13 m | 39.8 | 1.50 m 2.30 m | 34.3 | 1.66 m 2.13 m | 34.5 |
| 10 | | 134.4 | | 137.8 | | 132.4 |
| 11 | | 21.2 | | 21.0 | | 20.2 |
| 12 | 1.13 s | 15.7 | 0.88 s | 15.7 | 0.95 s | 15.2 |
| 13 | 1.10 s | 28.5 | 0.88 s | 28.4 | 0.93 s | 27.9 |
| 14 | 1.19 s | 17.2 | 3.38 d (11.7) 3.10 d (11.7) | 58.1 | 3.89 s | 60.2 |
| 15 | 9.20 s | 194.3 | 8.89 s | 194.2 | 9.03 s | 192.9 |
| OCOCH ₃ | | | | | | 169.9 |
| OCOCH ₃ | | | | | 1.74 s | 20.4 |
| | | | | | | |

Table 1 ¹H- and ¹³C-NMR data for compounds **1~3** in CDCl₃ (*y* values in parentheses).