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].

![Fig. 1 Structures of compounds 1–3.](image)

| Position | 1 | 2 | 3 |
|----------|---|---|---|
| δH*      |   |   |   |
| 1        | 5.00 dd (11.0/5.5) | 4.84 dd (11.0/5.5) | 5.09 dd (11.0/5.5) |
| 2        | 2.07 m | 1.82 m | 1.95 m |
| 3        | 2.74 m | 2.44 d (12.4) | 2.57 m |
| 4        | 2.16 m | 1.90 m | 2.05 m |
| 5        | 2.74 m | 1.66 m | 1.76 m |
| 6        | 1.43 t (9.5/9.5) | 1.13 dd (9.7/8.9) | 1.22 t (9.5/9.5) |
| 7        | 0.90 m | 0.65 m | 0.71 m |
| 8        | 0.81 m | 0.56 m | 0.64 m |
| 9        | 1.78 m | 1.52 m | 1.63 m |
| 10       | 1.96 m | 1.50 m | 1.66 m |
| 11       | 2.13 m | 2.30 m | 2.13 m |
| 12       | 1.13 s | 0.88 s | 0.95 s |
| 13       | 1.10 s | 0.88 s | 0.93 s |
| 14       | 1.19 s | 3.38 d (11.7) | 3.10 d (11.7) |
| 15       | 9.20 s | 8.89 s | 9.03 s |
| OCOCH3   | 194.3 | 194.2 | 192.9 |
| OCOCH3   | 1.74 s | 1.74 s | 192.9 |

Table 1 1H- and 13C-NMR data for compounds 1–3 in CDCl3 (J values in parentheses).

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