Corrigendum

Natural Carboxylic Polyether Derivatives as Lithium Ionophores

Koji Suzuki, Koji Tohda, Hideshi Sasakura, Hidenari Inoue, Kuniaki Tatsuta, and Tsuneo Shirai

J. Chem. Soc., Chem. Commun., 1987, 932.

The assignment of ^{1}H NMR, δ 4.26 (q, *J* 7.4 Hz, 7-H), for macrocyclic monensin monoacetate (**2**) was incorrect. The correct assignment is δ 4.26 (m, 20-H). Further detailed assignments for (**2**) are: ^{1}H NMR (COSY, 270 MHz, $CDCl_3$), δ 4.97 (*J* 18.0 Hz, 26-H_A), 4.82 (dd, *J* 2.7, 9.5 Hz, 21-H), 4.50 (*J* 18.0 Hz, 26-H_B), 4.26 (m, 20-H), 4.17 (dd, *J* 2.5, 5.6 Hz, 5-H), 3.95 (d, *J* 4.5 Hz, 17-H), 3.94 [d, *J* 10.1 Hz, OH(2nd)], 3.77 (dd, *J* 4.5, 7.2 Hz, 3-H), 3.70 (m, 7-H), 3.62 (t, *J* 7.2 Hz, 13-H), 3.48 (s, 35-H), 2.86 (m, 24-H), 2.80 (dq, *J* 4.5, 7.2 Hz, 2-H), 2.21 (m, 15-H_A), 2.18 (m, 18-H), 2.16 (m, 23-H_A), 2.05 [s, 38-H(acetyl)], 1.99 (dd, 8-H_A), 1.98 (m, 22-H), 1.94 (m, 14-H), 1.83 (m, 4-H), 1.82 (19-H_A), 1.79 (m, 6-H), 1.61 (m, 19-H), 1.58 (dd, 8-H_B), 1.45 (q, *J* 7 Hz, 30-H), 1.44 (m, 15-H_B), 1.34 (s, 32-H), 1.17 (d, *J* 7.2 Hz, 36-H), 1.13 (d, *J* 7.2 Hz, 27-H), 1.09 (m, 23-H_B), 0.93 (d, *J* 7 Hz, 34-H), 0.90 (d, *J* 7 Hz, 33-H), 0.90 (t, *J* 7 Hz, 31-H), 0.89 (d, *J* 7 Hz, 29-H), 0.84 (d, *J* 7.0 Hz, 28-H). The tertiary hydroxy group acylation occurs prior to the secondary hydroxy acylation of the macrocyclic monensin. Thus, the correct structure for (**2**) in the figure for the macrocyclic monensin is R^1 = H, R^2 = COMe.

Typeset and printed by Black Bear Press Limited, Cambridge, England