J effrey T. Gautschi, Taro Amagata, Akiko Amagata, Frederick A. Valeriote, Susan L. Mooberry, and Phillip Crews*: Expanding the Strategies in Natural Product Studies of Marine-Derived Fungi: A Chemical Investigation of Penicillium Obtained from Deep Water Sediment.

Pages 362-367: A revision in the stereochemistry for anserinone B (2) (Wang, H.-J .; Gloer, K. B.; Gloer, J. B.; Scott, J. A.; Malloch, D. J . Nat. Prod. 1997, 60, 629-631) from 9S to 9R necessitates corrections of related errors in our paper. Professor F. E. McDonald (Emory University) recognized a discrepancy when the $\Delta_{R-S}$ data for $\mathbf{2}$ were analyzed using the empirical rules previously published (Helmchen, G. Tetrahedron Lett. 1974, 1527-1530; see also Seco, J . M.; Quiñoá, E.; Riguera, R. Chem. Rev. 2004, 104, 17-117). We agree that the published data set requires 9R and not 9S stereochemistry for 2.

Similar corrections must now be made in the stereostructures appearing for anserinone B (2) and (+)-formylanserinone $B$ (3) in our report. Mistakes in the discussion of (-)-epoxyserinone A (4) also need clarification. First, the 9S stereochemistry for 2, propagated from the 1997 paper, needs to be revised to 9R for the reasons discussed above. Second, optical rotation data and biogenetic comparisons between 2 and $\mathbf{3}$ were the basis for the 9S stereochemical assignments proposed for the latter, which must now be revised for $\mathbf{3}$ as 9R and not 9S. Third, we intended to state and draw the structure of 4 as 2S*, 3R*, 4R*, 9S*, but this was not done correctly in all drawings and in some of the discussions. The revised 9R stereochemistry for $\mathbf{2}$ and $\mathbf{3}$ means that the absolute stereochemistry for 4 must be 2R, 3S, 4S, 9R, as shown below, but drawn erroneously in the 2004 paper. Finally, revisions must be made to the captions under each structure in Figure 3 as follows: (i) $2 R * 3 S * 4 S * 9 R *$, (ii) $2 R * 3 S * 4 R * 9 R *$, (iii) $2 S * 3 R * 4 R * 9 R *$, (iv) $2 S * 3 R * 4 S * 9 R *$. The amended absolute structures for compounds 2-4 are shown below.


NP040155A
10.1021/np040155a

Published on Web 07/31/04

