Angewandte Corrigendum

Stereocontrolled Synthesis of Trichodermatide A

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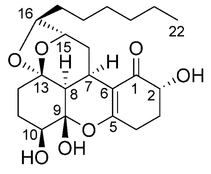
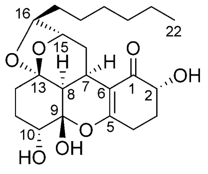
A publication by the Trauner group[1] prompted the authors of this Communication to make structural assignments by re-examination of the NMR experiments for synthetic trichodermatide A: NOESY correlations between H10 and OH9, and between H8 and OH10, were observed. Furthermore, the coupling constant (6.8 Hz) derived from the protons at C7 and C8 indicated a *cis* relationship. Therefore, the configuration of the actual structure of trichodermatide A in Figure 1 should be **1**′. The structure **1**′ is also strongly supported by the additional experiments.[2] With the above correction, compounds **17** and **22** in Scheme 3 and compounds **23**, **24**, **25**, and **26** in Scheme 4 should be revised in the same way with regard to the stereochemical configuration at C10.



originally assigned structure of trichodermatide A (**1**)



revised structure (**1'**)

The sentence “The diastereomer of **17** (C10-α-OH) was not detected because the α face the C8–C9 olefin is probably shielded by the axially oriented C13–α-O ether bond” should be corrected as “The diastereomer of **17** (C10–β-OH) was not detected probably because of the stereoelectronically required axial α-allylic C–H bond”. The sentence “The stereochemistry of the C9 hydroxy group is fixed at the β position by intramolecular hydrogen bonding with C10–β-OH because of its hemiketal character” should be corrected as “... by plausible intramolecular hydrogen bonding with the C13–β-O ether ...”. The total synthesis of trichodermatide A stands as reported.

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[1] E. Myers, E. Herrero-Gomez, I. Albrecht, J. Lachs, P. Mayer, M. Hanni, C. Ochsenfeld, D. Trauner, *J. Org. Chem.* **2014**, *79*, 9812.

[2] Unpublished results, manuscript in preparation.