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Corrigendum to "Approaches to the total synthesis of phomactins" [Tetrahedron Lett. 44 (2003) 2713]☆

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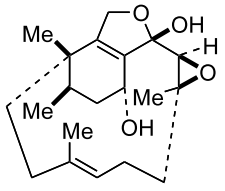
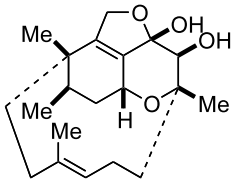
Footnote 5 of the above *Tetrahedron Letter* states that "The spontaneous rearrangement of Sch. 49028 into phomactin A was observed by Pattenden et al. during their synthesis, see ref. 4.[1]" However, it should be made absolutely clear that Goldring and Pattenden did not state in their paper[1] that Sch. 49028 spontaneously rearranged into phomactin A. These authors did not isolate Sch. 49028 (still attributed the originally assigned[2] hydroxy-epoxide structure **1** in the above *Tetrahedron Letter*) and could not therefore study its rearrangement.

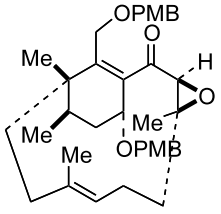
In the final step of their synthesis of phomactin A **2**,[1] Goldring and Pattenden deprotected the bis-*p*-methoxybenzyl ether **3** and isolated phomactin A **2** directly. They did not isolate the hydroxyepoxide **1** (Sch. 49028?) although it may be an intermediate in the conversion of **3** into **2**. Moreover, there is some doubt as to whether the compound identified as Sch. 49028 was correctly identified originally[2] as the hydroxyepoxide **1** or whether it should have been identified as phomactin A **2** since the NMR spectrum reported for Sch. 49028[2] in deuterated chloroform was found by both Pattenden[1] and Halcomb[3] to correspond to that of synthetic phomactin A **2**.



1



2



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References

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