

**Supporting Information to:**

**The Cyclic Organosulfur Compound Zwiebelane A from Onion  
(*Allium cepa*) Functions as an Enhancer of Polymyxin B in Fungal  
Vacuole Disruption**

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*Zwiebelane A*: IR (Nujol):  $\nu_{\max}$  = 2925, 2854, 1733, 1463, 1253, 1156, 1109, and 1087  $\text{cm}^{-1}$  (S=O);  $^1\text{H}$ -NMR (MeOH- $d_4$ , 600 MHz):  $\delta$  = 4.842 (2H, *s*, H-1, H-4), 2.818 (2H, *m*, H-2, H-3), 1.168 (6H, *m*, H-7, H-8)\*<sup>1</sup>;  $^{13}\text{C}$ -NMR (MeOH- $d_4$ , 150 MHz):  $\delta$  = 80.71 (CH, C-1, C-4), 34.57 (CH, C-2, C-3), 12.74 (CH<sub>3</sub>, C-7, C-8); HR-FAB-MS:  $m/z$  = 163.0256 [M – H]<sup>+</sup> (calcd. for C<sub>6</sub>H<sub>11</sub>OS<sub>2</sub>: 163.0251). The above  $^1\text{H}$ -NMR spectra were not first order, and therefore simulation experiments were performed by *g*-NMR analysis of 10 spin systems. The experimental data were in agreement with reported data for *zwiebelane A* [1]:  $\delta$  = 4.842 (H-1, H-4,  $J_{1,4}$  = 6.7,  $J_{1,2}$  = 0.9 Hz, *CHS*<sub>2</sub>), 2.818 (H-2, H-3,  $J_{2,7}$  = 6.8,  $J_{2,8}$  = 0.3,  $J_{2,3}$  = 5.8 Hz, *CHCH*<sub>3</sub>).

## References

1 Davis SR. An overview of the antifungal properties of allicin and its breakdown products--the possibility of a safe and effective antifungal prophylactic. *Micoses* 2005; 48: 95-100