

**Penifulvin A: A Sesquiterpenoid-derived Metabolite Containing a Novel  
Dioxa[5,5,5,6]fenestrane Ring System from a Fungicolous Isolate of  
*Penicillium griseofulvum* (NRRL 35584)**

Sang Hee Shim,<sup>†</sup> Dale C. Swenson,<sup>†</sup> James B. Gloer,<sup>\*,†</sup> Patrick F. Dowd,<sup>‡</sup> and Donald T.  
Wicklow<sup>‡</sup>

<sup>†</sup>*Department of Chemistry, University of Iowa, Iowa City, Iowa 52242 and*

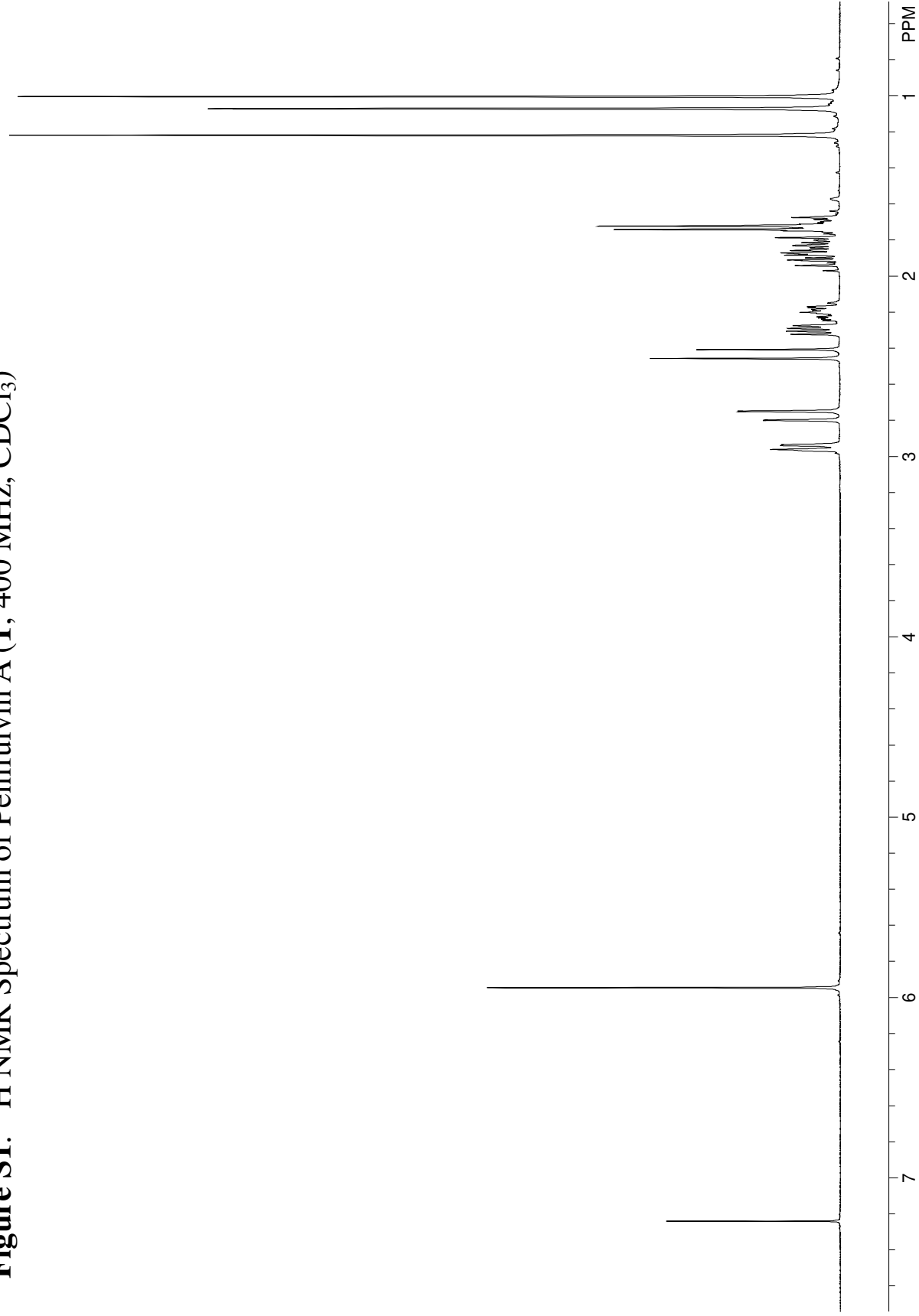
<sup>‡</sup>*Mycotoxin Research Unit, Agricultural Research Service, National Center for  
Agricultural Utilization Research, USDA, Peoria, Illinois 61604*

**List of Supporting Information**

**Figure S1.** <sup>1</sup>H NMR Spectrum of Penifulvin A (**1**; 400 MHz, CDCl<sub>3</sub>)

**Figure S2.** <sup>13</sup>C NMR Spectrum of Penifulvin A (**1**; 100 MHz, CDCl<sub>3</sub>)

**Figure S1.**  $^1\text{H}$  NMR Spectrum of Penifulvin A (**1**; 400 MHz,  $\text{CDCl}_3$ )



**Figure S2.**  $^{13}\text{C}$  NMR Spectrum of Penifulvin A (**1**; 100 MHz,  $\text{CDCl}_3$ )

